

SUNSTONE METALS



STM

AGM 27th October
2022

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Sunstone Snapshot

Ecuador focussed, gold-copper explorer and discoverer

ASX - STM

Market Capitalisation ¹ A\$88.28 mill
 Cash + Equity Investments ² A\$18.2 mill

Shares on Issue 2,574 million
 Top 20 Shareholding 36%
 Institutional and Family Office Shareholding 29%
 Board and Management Shareholding 5.1%

Analyst Coverage - Taylor Collison
 - Morgans
 - MineLife
 - Far East Capital

¹ Based on share price of A\$0.034

² Equity Investments provide exposure to **Copper**, through NASDAQ Stockholm listed Copperstone Resources; and exposure to **Lithium**, through CSE listed United Lithium Corp



Investment Opportunity

- Simple proposition – discovery adds significant shareholder value
- The Sunstone team has a track record of copper-gold porphyry discovery
- Strong share price growth in past 18 months linked to periods of discovery with very significant upside still to deliver
- Expect additional discoveries to be delivered
- Initial MRE at Bramaderos in December to be a starting point to then expand
- Sunstone owns 87.5% of the Bramaderos Gold-Copper porphyry project in southern Ecuador
- Sunstone holds 70%, and can acquire 100%, of the El Palmar Gold-Copper porphyry project in northern Ecuador



The Team

- A high quality team in Ecuador and Australia
- 45 full time Ecuadorian employees, pool of 200 local workers
- In Ecuador we have corporate, social, environmental, safety, technical exploration, logistics, and administration
- A small corporate team in Australia



Ecuador

- Support for responsible mining
- Responsible mining and exploration contributing significantly to FDI, taxes, employment, infrastructure, communities, environmental studies and management
- Investment Protection Agreements signed on several projects



Two Large Modern Operating Mines

Fruta del Norte

Lundin Gold (TSX:LUG) - Ecuador's first modern underground gold mine
2021 produced 430,000 ozs gold at 10g/t

Mirador

Ecuacorriente – producing copper-gold concentrate from open pit for export to smelters in China
673Mt at 0.58% copper and 0.19g/t gold

Several Advanced Projects and Large Exploration Projects

Cascabel

SolGold 85%/ Cornerstone 15% (SolGold and Cornerstone have announced that they will merge)
Alpala deposit - 2,663 Mt @ 0.37% copper and 0.25g/t gold in the Measured and Indicated categories
Top of main orebody ~500m below surface
Tandayama-America – 263 Mt @ 0.23% copper and 0.19 g/t gold in Indicated and Inferred in open pit

Warintza

Solaris (TSX.V:SLS); 7km x 5km area containing cluster of porphyry systems
Warintza Central deposit - 579Mt at 0.47% copper (and 0.03% Mo and 0.05g/t gold) in Indicated category, and 887Mt at 0.39% copper in Inferred category – April 2022

Capital	Quito
Population	17,612,000
Form Of Government	Multiparty republic with one legislative house (National Assembly)
Official Language	Spanish
Total Area (Sq Km)	256,700
Length	650km (~Sydney to Cobar, or ~Perth to Kalgoorlie)
Monetary Unit	US \$
Density: Persons Per Sq Km	68.6
Urban-Rural Population	Urban: 63% • Rural: 37%
Literacy Rate	Male: (2016) 95.4% • Female: (2016) 93.3%
Gross National Income Per Capita (US\$)	5,530
Mining Exports in 2021 (US\$)	2.1 billion (+541% vs 2019)
Exports Top 4 in order	Oil, Prawns, Bananas, Metals

ESG considered across the business

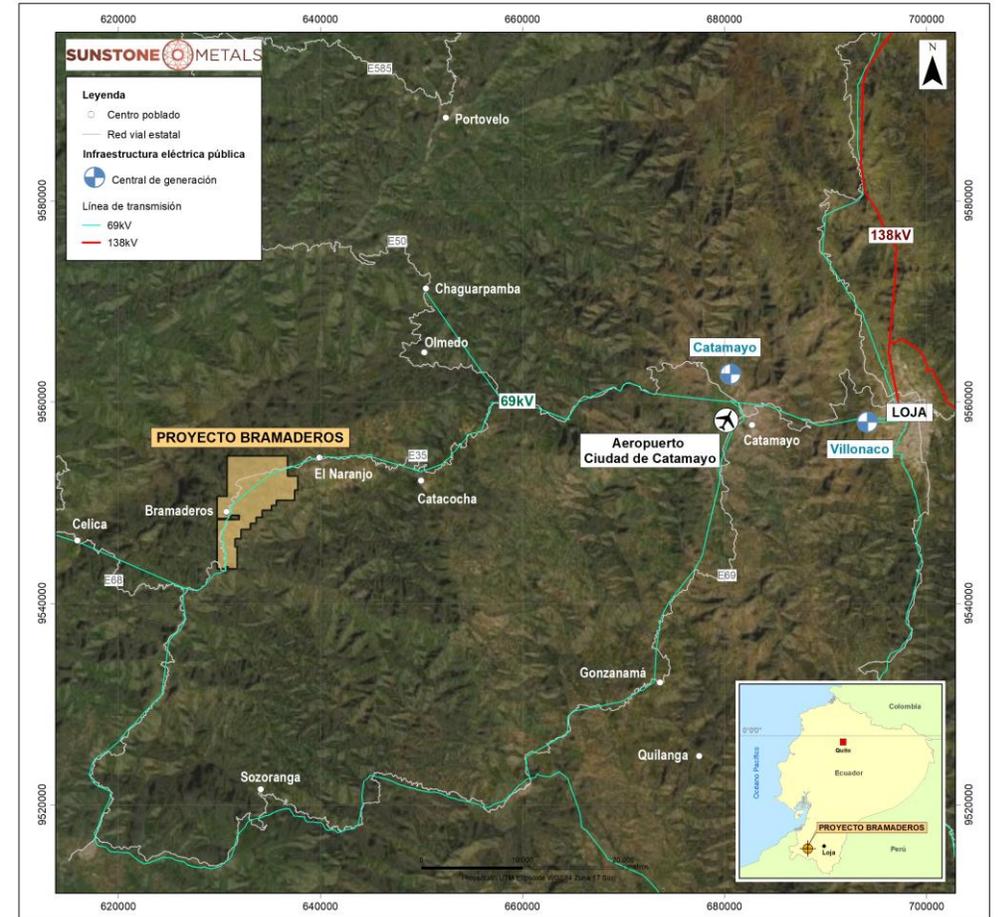


Sunstone takes its **environmental, social and governance** issues very seriously and is committed to improving its social performance in the areas where we work

Sunstone

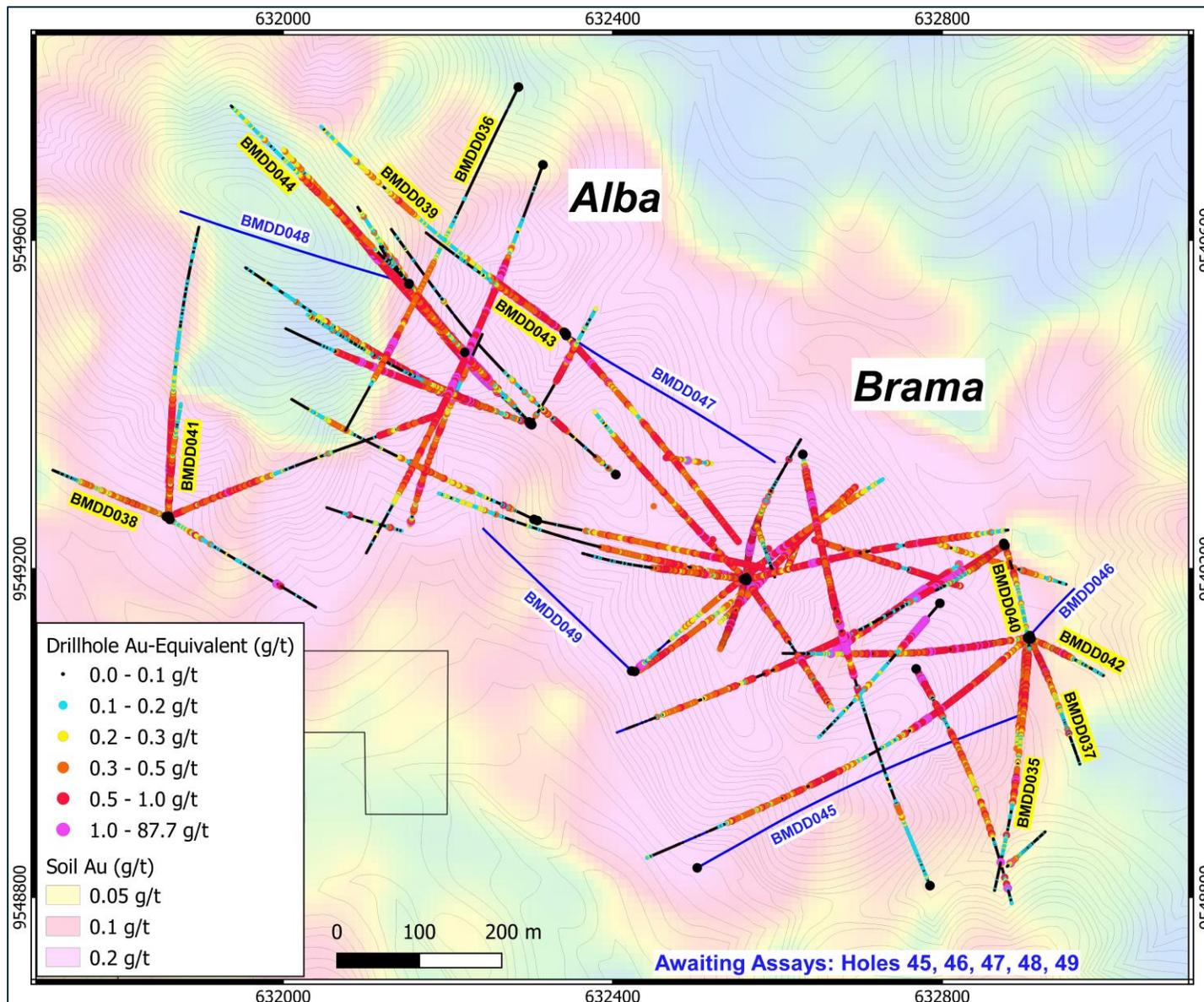
- has significant **environmental monitoring programs** across its projects
- is involved in various **community programs** at Bramaderos and El Palmar
- undertakes considerable **training programs** across a large range of skills for workers and the communities in which we operate
- **works with the local communities** to assist where possible, for example, during the coronavirus pandemic
- offers employment and skills development
- has implemented strict coronavirus operating plans while not compromising local health and safety
- appreciates the strong community support that it has at its projects

Bramaderos, Southern Ecuador



- 4,984ha concession
- Adjacent to the Pan American Highway
- At ~900m asl
- Multiple targets within the concession all easily accessible
- The project is supported by good infrastructure (hydroelectric power, regional airport nearby)
- 88% of Ecuador's power is generated from hydro power stations

Brama-Alba – mineralisation from surface



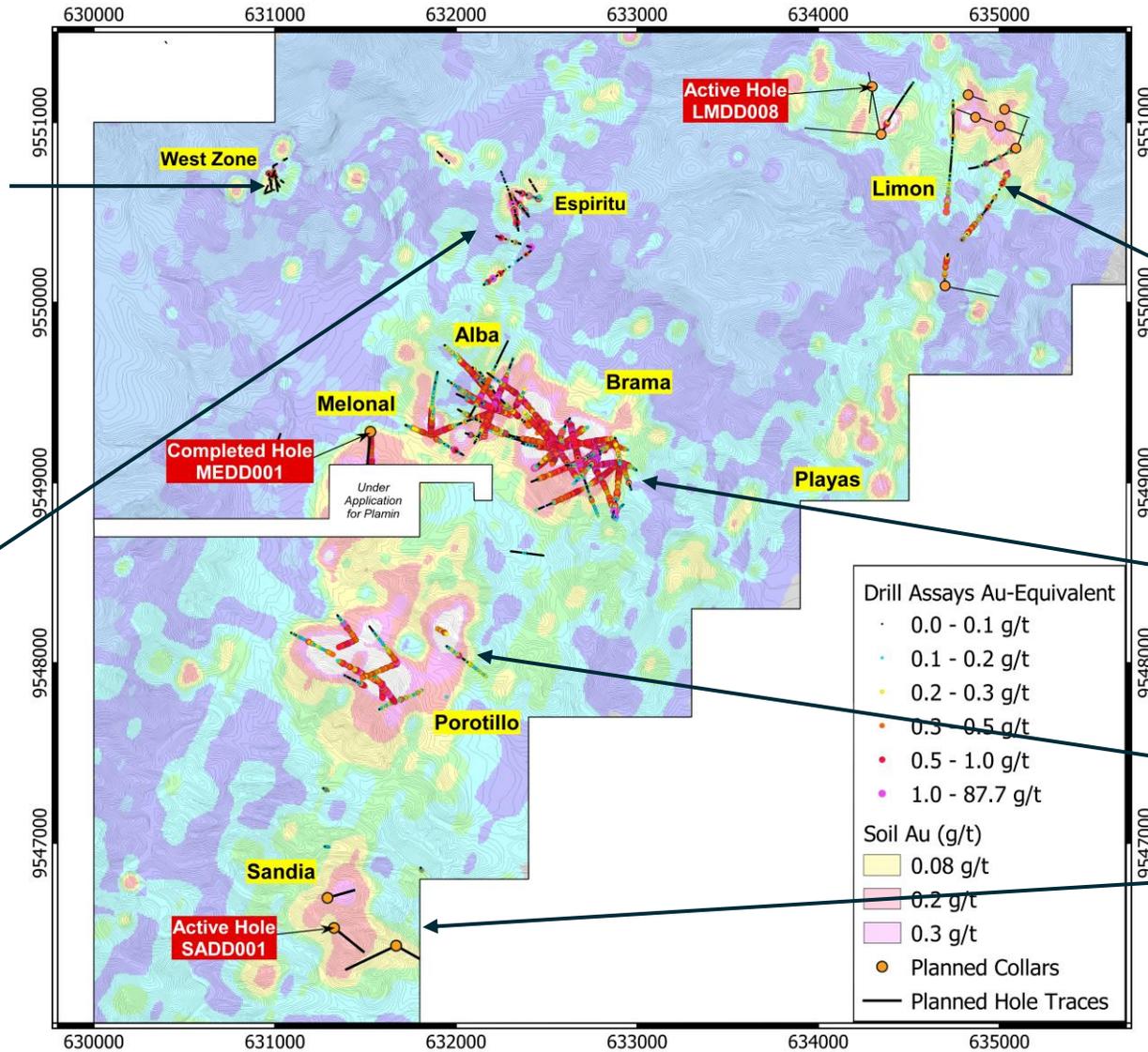
- Large porphyry system, with some higher-grade domains
- Mineralisation from surface, this is an outcropping gold-copper (+minor silver, moly) porphyry
- Initial Mineral Resource Estimate to be delivered in December 2022
- MRE will be based on data from 49 drill holes for 26,260m
- Initial MRE drilling did not 'close off' the orebody

Bramaderos

EPITHERMAL OPPORTUNITIES

WEST ZONE –
Outcropping gold epithermal system
 with 30m at 3.6g/t gold in trench
 Drilling missed depth continuation,
 Further work required

ESPIRITU –
Outcropping silver-gold-lead-zinc epithermal system
 4m at 415g/t silver,
 0.9g/t gold, 6.9% zinc,
 6% lead in trench
 1.1m at 1069g/t silver,
 0.2g/t gold, 5.5% zinc,
 1.3% lead from 225.5m
 in DDH ESDD005
 Further work required



PORPHYRY OPPORTUNITIES

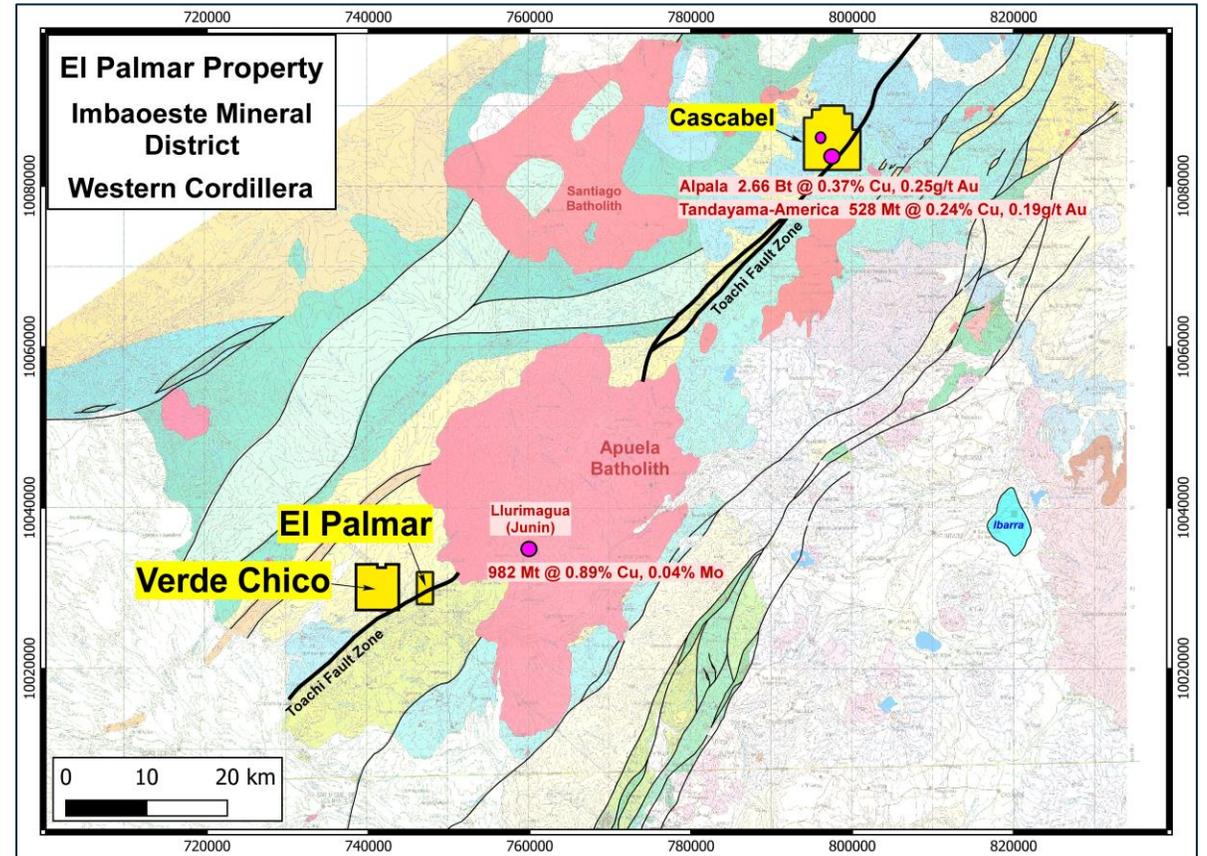
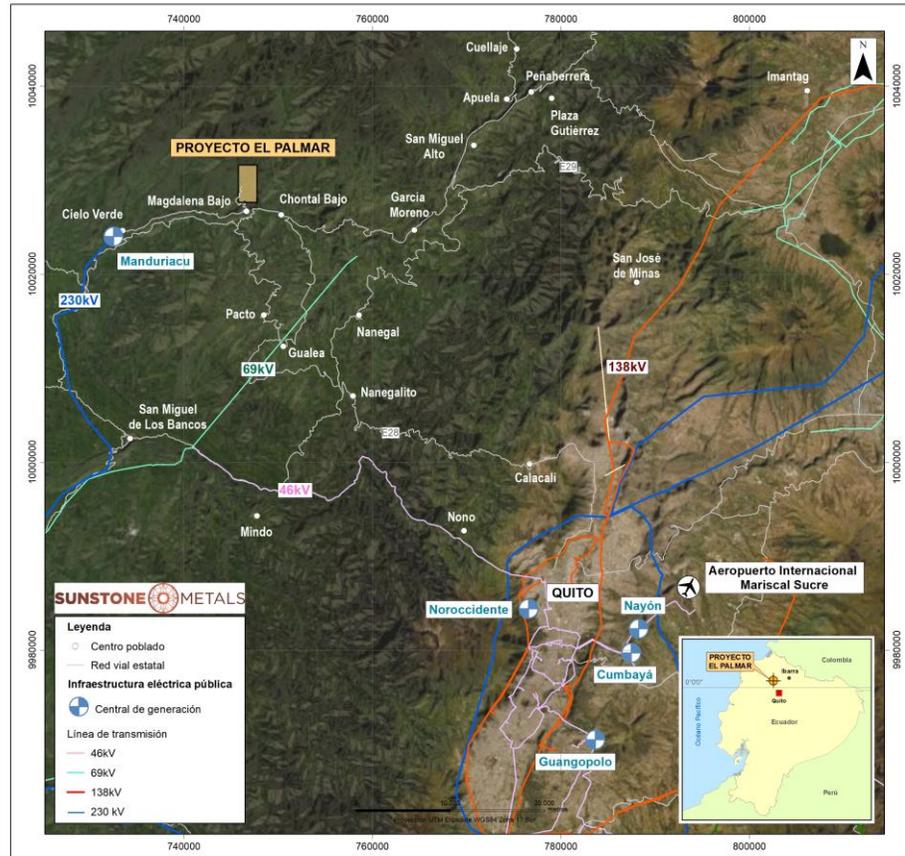
LIMON - Outcropping gold-copper porphyry and high-sulphidation epithermal
 97.6m at 0.71g/t gold and 0.23% copper in trench
 Sunstone drilling (4 holes) in 2019-20 delivered 13.3m at 0.11 gold and 0.43% copper in shallow High Sulphidation epithermal, and 40.5m at 0.1g/t gold, 0.12% copper, 19ppm moly in porphyry 'halo'
 New geophysical targets
Drilling 2022

BRAMA-ALBA – Outcropping gold-copper porphyry >1.2km x 400m
 Initial MRE drilling completed; Mineralisation remains open
MELONAL drilled in 2022 and PLAYAS

POROTILLO – Porphyry gold-copper system with historical drill hole CURI-05 drilled 24m at 1.2g/t gold
 To be followed up

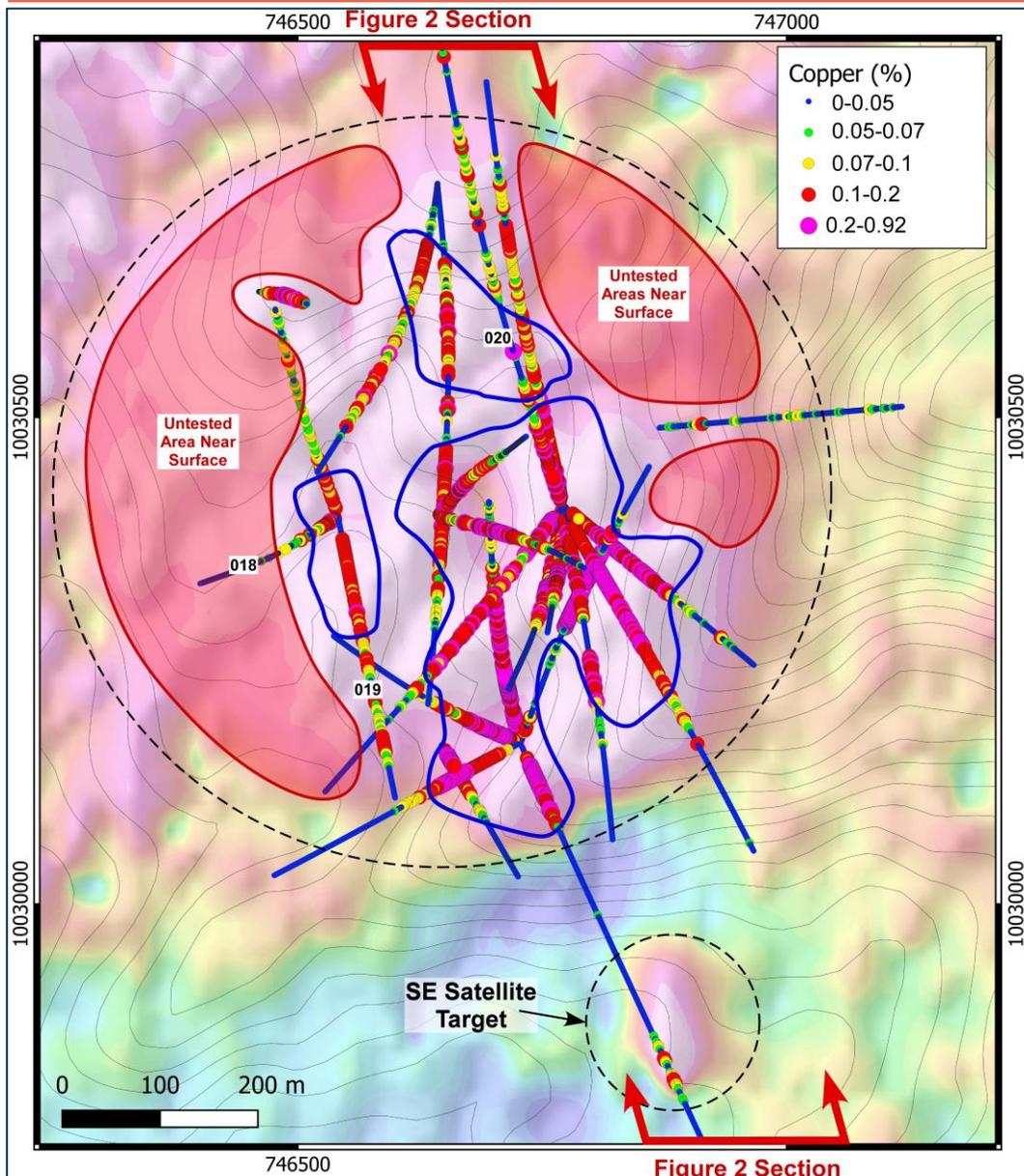
SANDIA – Outcropping gold-copper porphyry
Drilling 2022

El Palmar, northern Ecuador



- Highly prospective belt of rocks related to the Toachi Fault Zone
- To date includes the >2.7Bt Alpa copper-gold porphyry deposit at Cascabel, the >0.53Bt Tandayama-America copper-gold porphyry deposit at Cascabel, and the >1Bt Llurimagua copper-moly porphyry deposit
- Together with orthogonal structural control delivers target zones for porphyry mineralisation

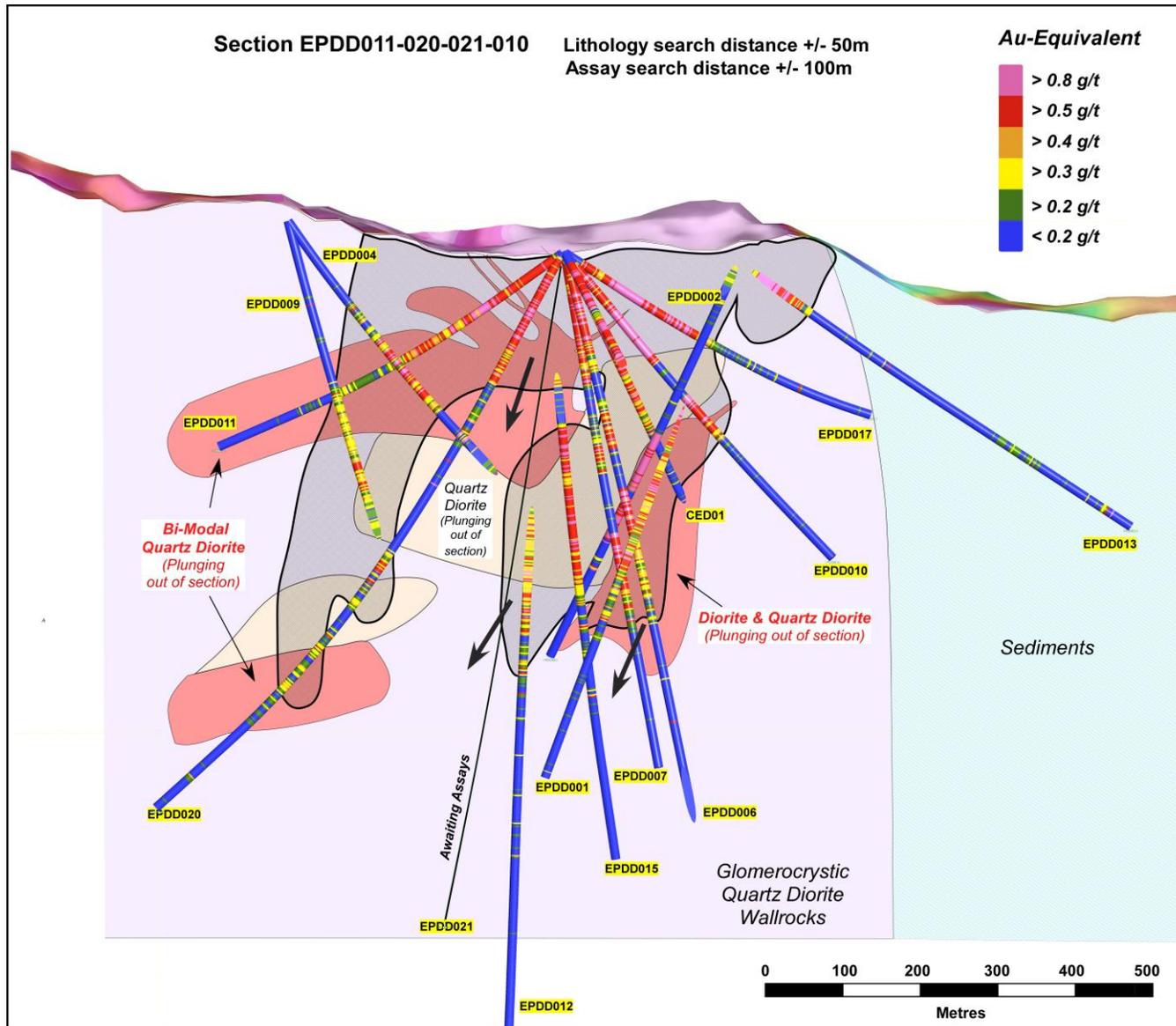
El Palmar; main target- 'T1'



- Mineralisation from surface
- Gold-copper porphyry system with wide intervals (>400m) at >0.4g/t gold and 0.15% copper, and including intervals of 100m – 170m of >0.7g/t gold and 0.2% copper (see ASX announcements 25th May 2022 and 7th October 2021)
- Very significant vertical extent from magnetic modelling
- Copper-gold-silver-magnetic susceptibility all correlate well from surface to ~600m deep
- To date, well mineralised over an area of ~500m x 300m, and to a depth of 500m

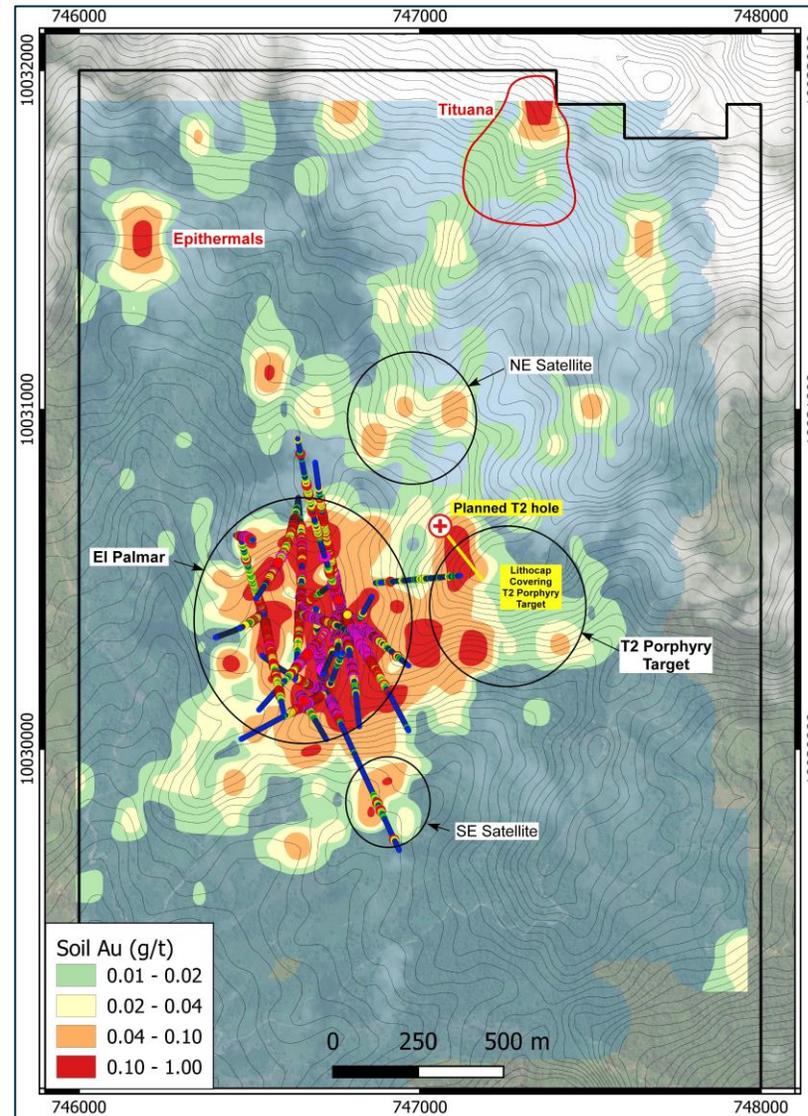
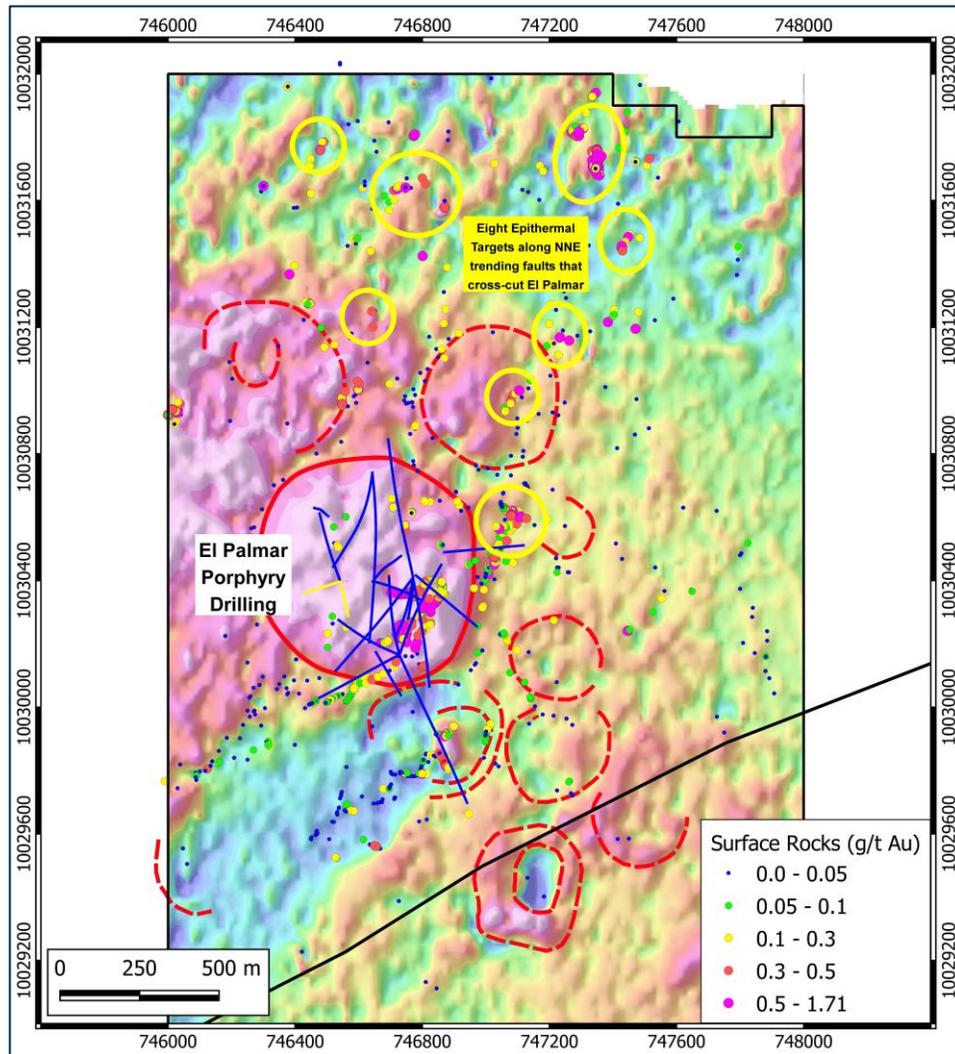


El Palmar; main target- 'T1'



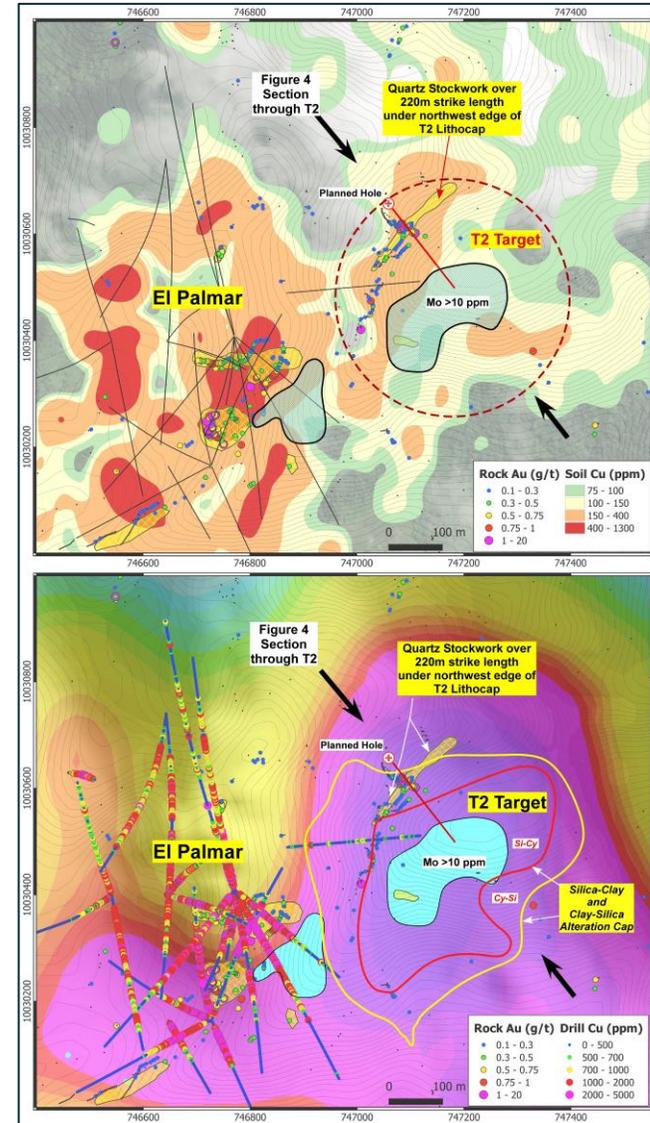
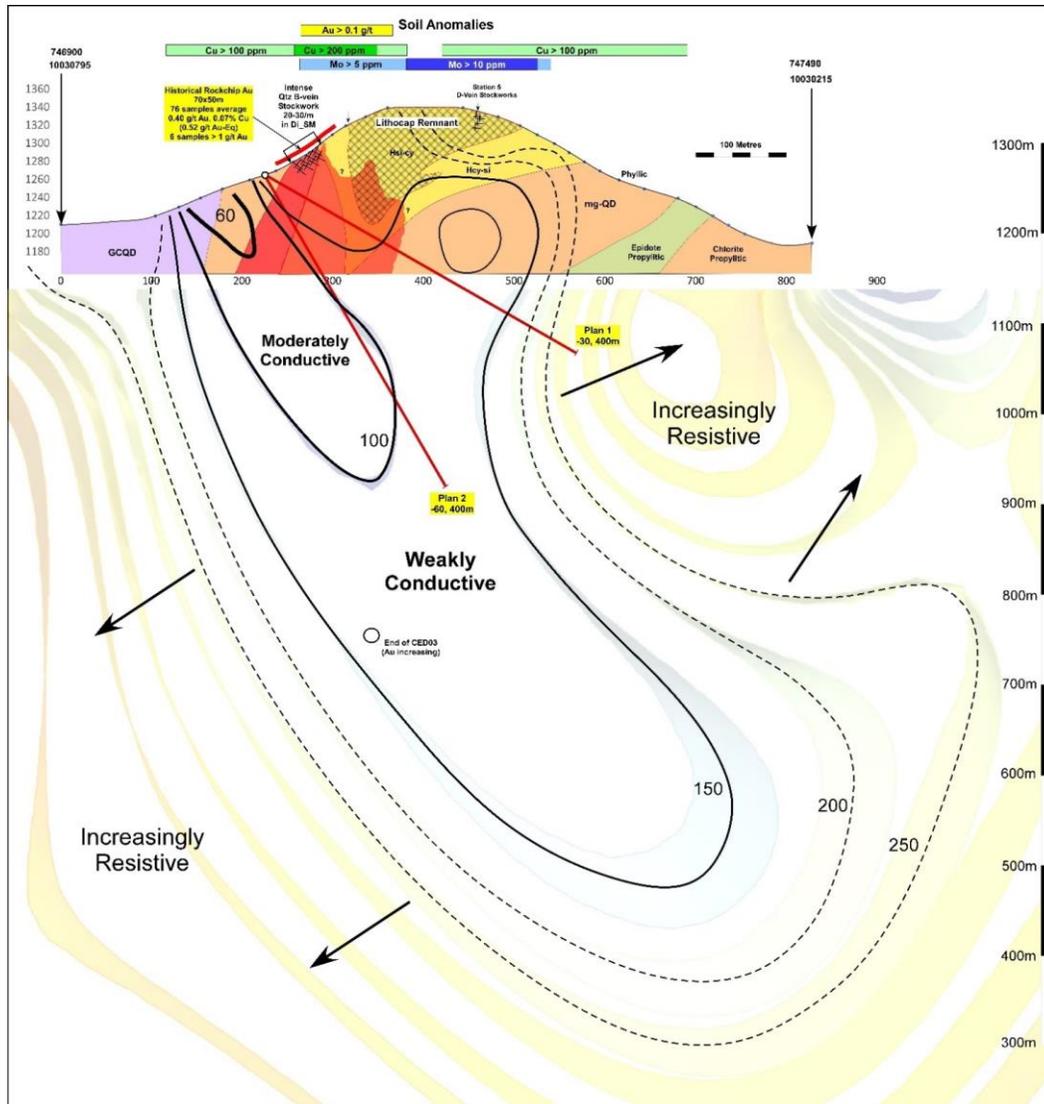
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El Palmar; multiple targets



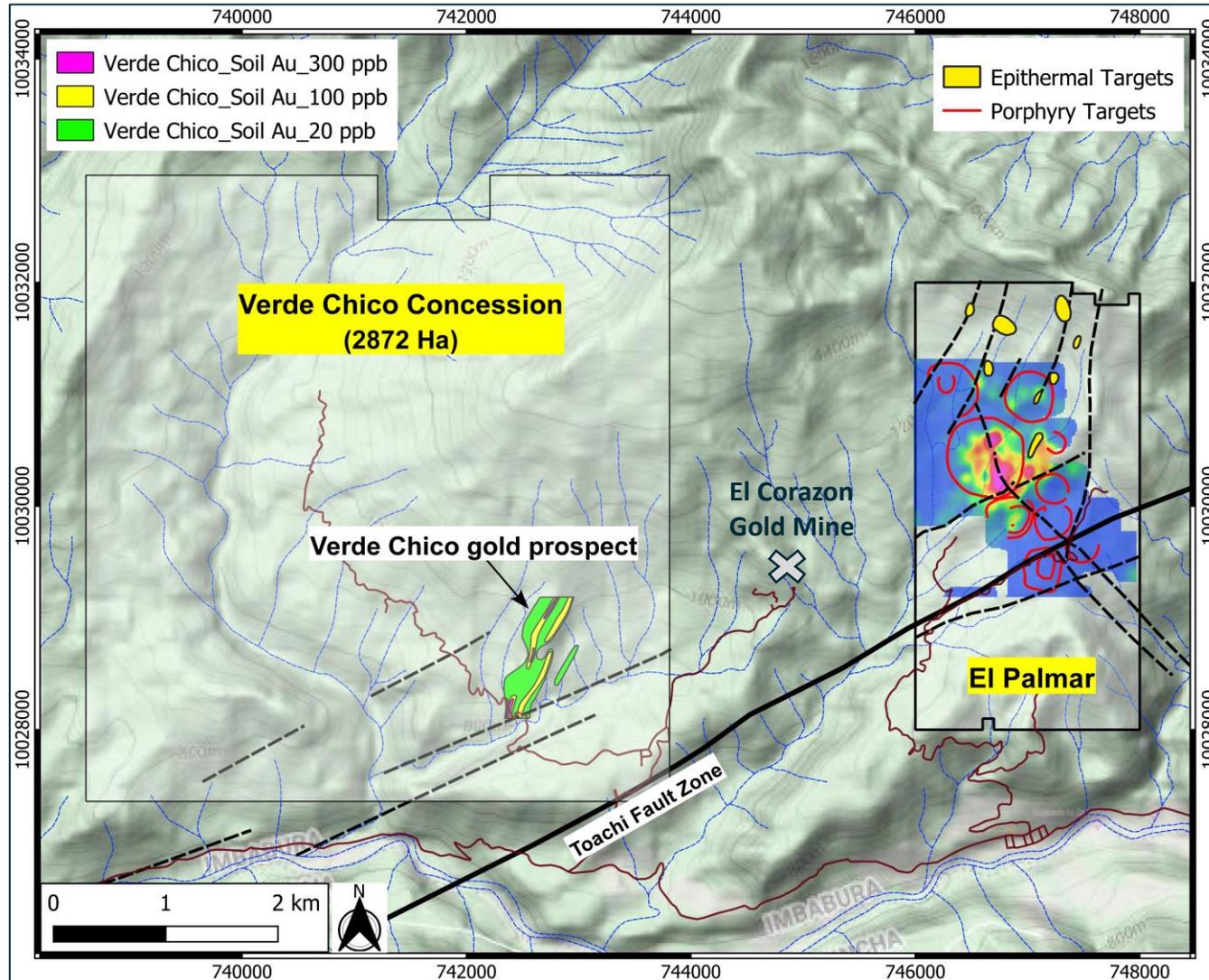
- Soil sampling and geological mapping is ongoing
- In total - 1.5km long cluster of porphyry targets identified to date
- Plus several epithermal targets
- 4 holes for completion in 2022; 3 at T2 and 1 at the SE satellite target (T3). Then resumption of drilling at the main target T1, and drilling at Tituana, in early 2023

El Palmar; Target T2



- Independent datasets confirm T2 as a highly ranked target
- 70m x 50m area of 0.52g/t gold equivalent in rock chip samples
- 6 samples >1g/t gold
- 3 holes planned at T2; first hole nearing completion

Verde Chico



- Located west of El Palmar, and west of the small operating epithermal gold mine El Corazon
- Outcropping high grade gold in trenches and broad lower grade gold intervals in historical drilling
- No modern exploration. Last work carried out in 1998
- Next steps include preparation and signing of full Staged Acquisition Agreement (and associated side agreements), community and social interaction to gain access to the ground, surface exploration – soils, ground magnetics, mapping, and then drilling
- Historical rock chip results include

Perdida vein -	6.5m @ 25.11 g/t Au
Gato vein -	39m @ 3.08 g/t Au
Pavas vein -	26.5 @ 2.28 g/t Au, and 10m @ 11.72 g/t Au
Oso Hormiguero vein -	29m @ 8.26 g/t Au, and 11m @ 9.08 g/t Au
- Historical drilling results include

68.5m at 1.05g/t gold from surface in RVC-08, including 1m at 11.3g/t gold from 40.5m

What's ahead

- ✓ **2022 – early 2023 – Demonstrate very large upside to both El Palmar and Brama-Alba discoveries**
- ✓ **Bramaderos**
 - Brama-Alba drilling ongoing for **initial Mineral Resource Estimate** in December 2022
 - Exploration Target for Brama-Alba developed in December 2022
 - Deliver **additional discoveries** at one or more of Sandia, Playas, Melonal, Limon
 - Currently rigs deployed to Sandia and Limon targets
- ✓ **El Palmar**
 - Continue to drill and **expand main mineralised area** beyond 500 x 300m, and to depth
 - Deliver **additional discoveries** through:
 - Drill satellite porphyry targets in 2022 – T2 drilling underway
 - Define and test epithermal targets in late 2022/early 2023 – Tituana target being prepared for drilling

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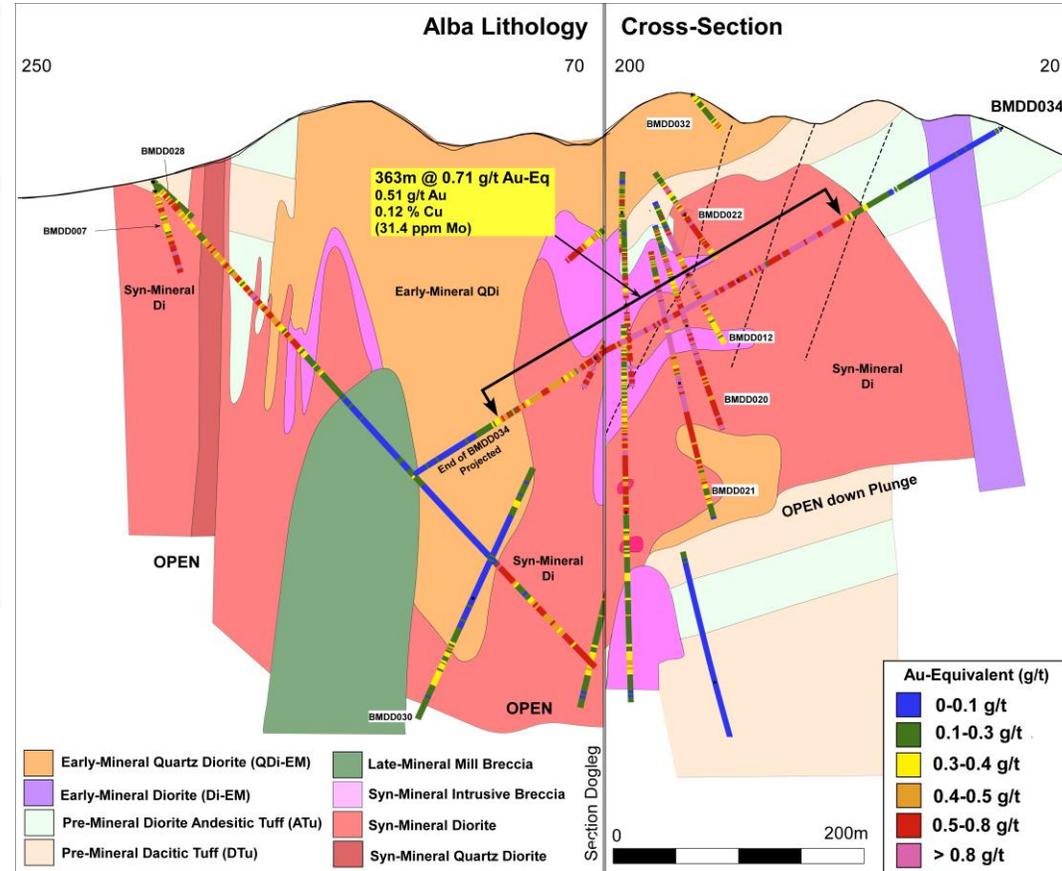
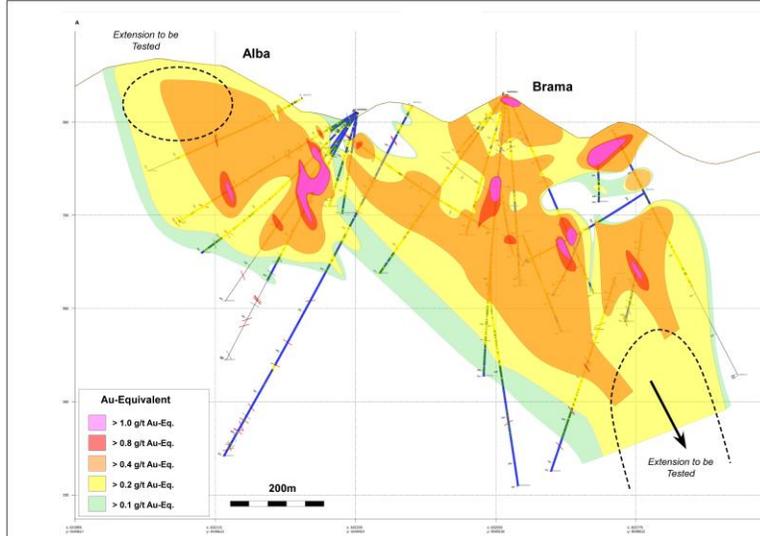
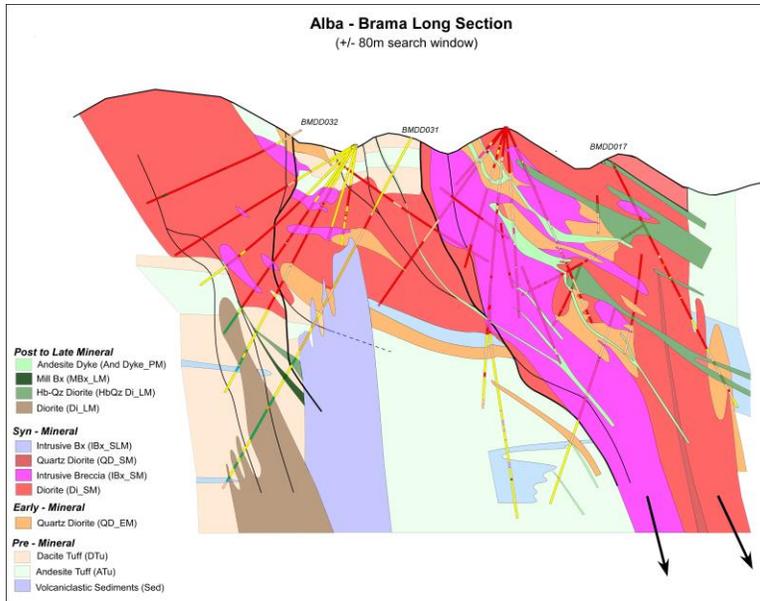


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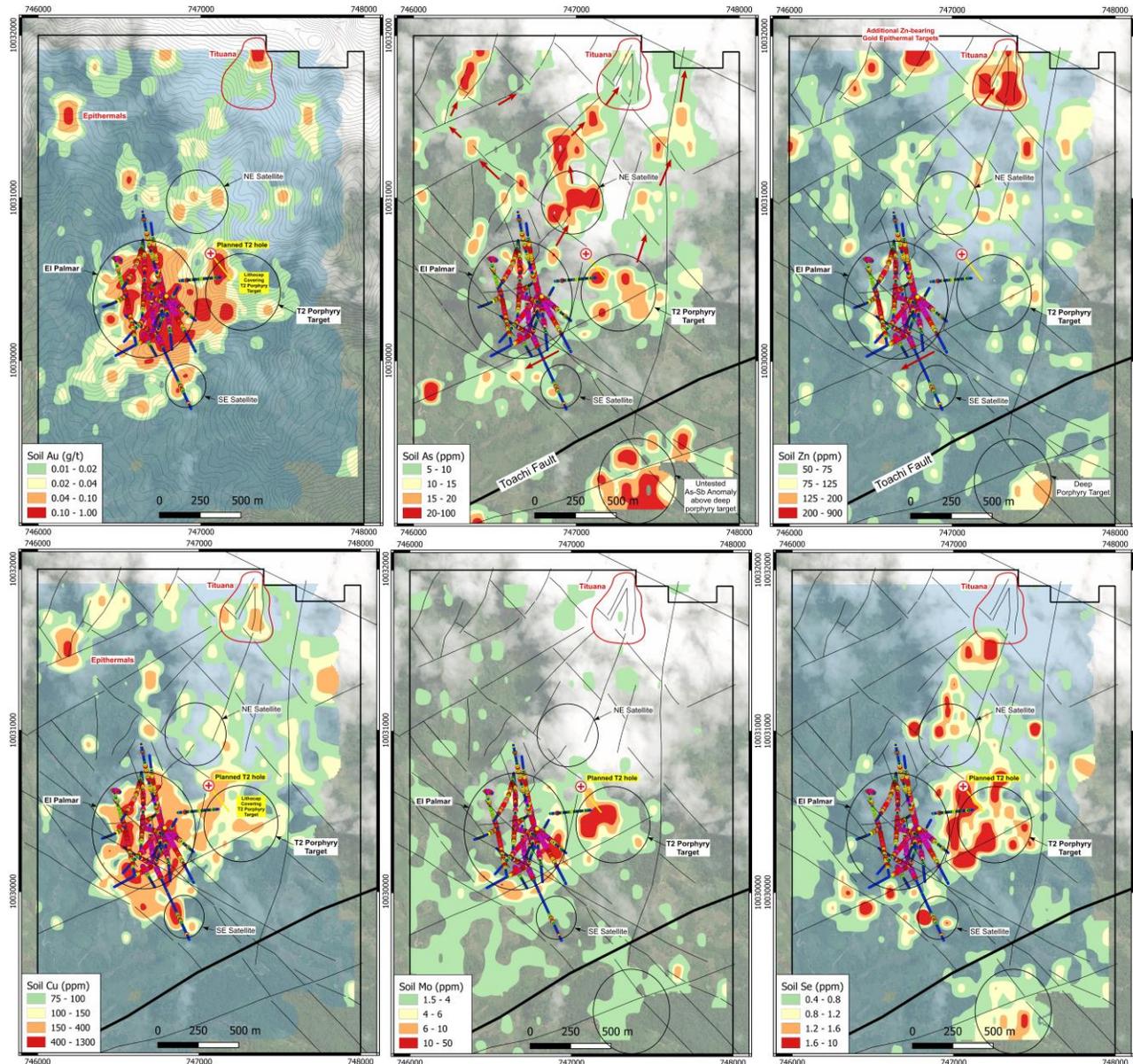
ASX:STM

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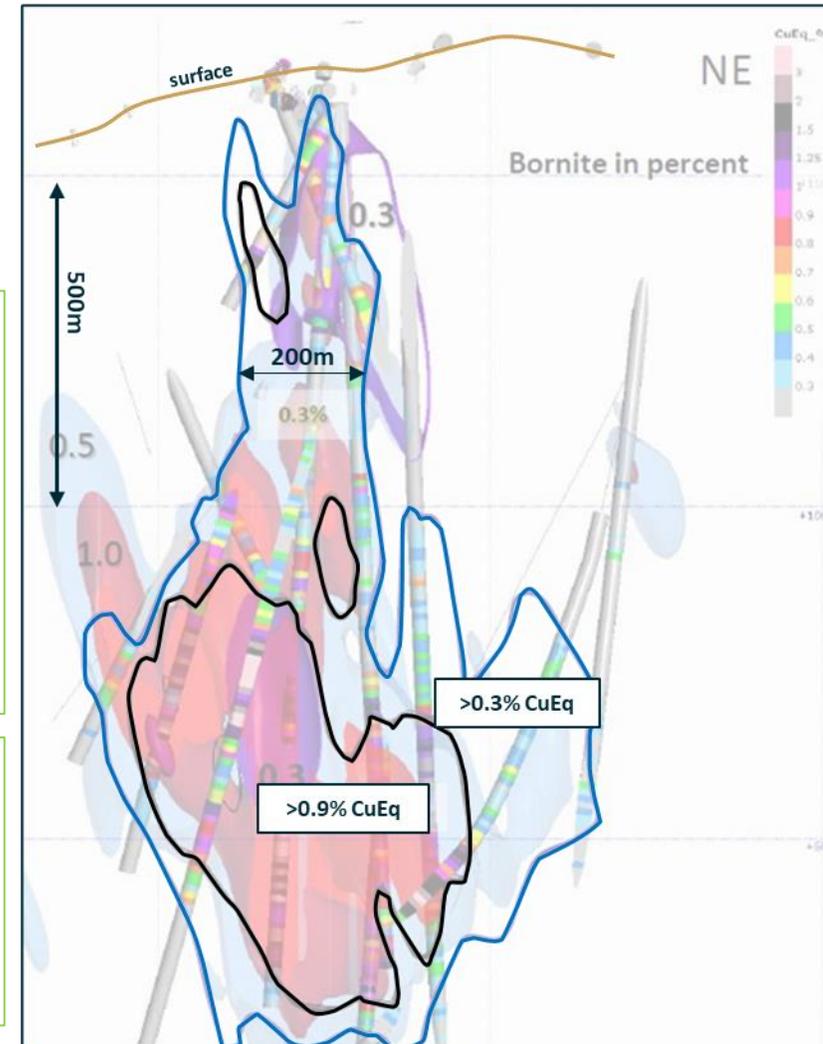
El Palmar; multiple targets



El Palmar – main target; drill holes and vertical slice through original magnetic model – upper 500m high confidence

Upper 500m of plunging magnetic body is a well mineralised gold-copper porphyry deposit; and is currently interpreted to plunge to the north. Exploration drilling is 'chasing' this plunge.

Deep drill targets continue to be defined, based initially on magnetic modelling but more recently on Spartan MT

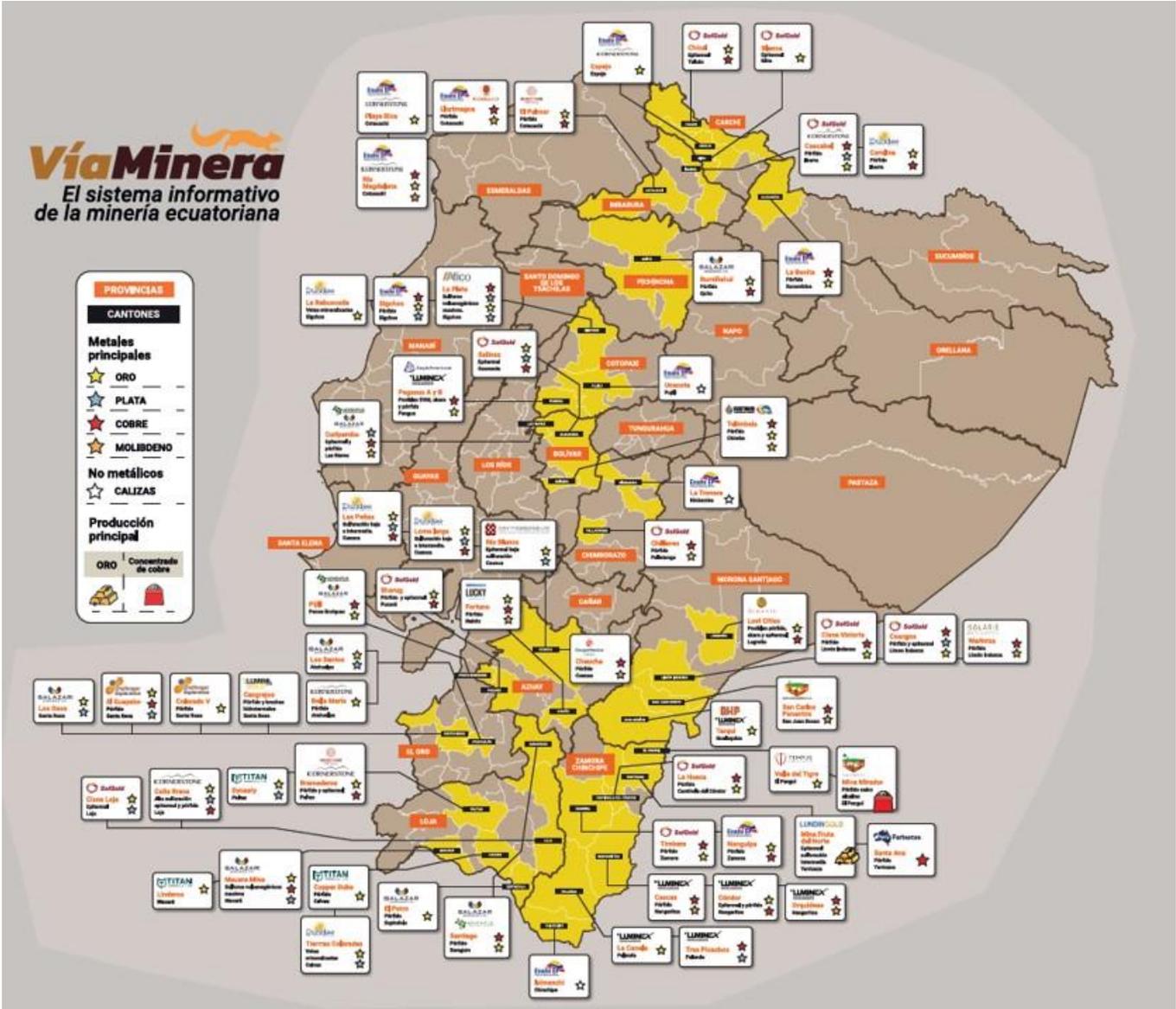


Alpala, Cascabel (SolGold) – x-section of bornite and chalcopyrite-pyrite ratio; and showing CuEq grade domains

(see Garwin, 23 July 2021 GeoHug presentation)

DIAGRAMS AT SAME SCALE

Ecuador



Who is active in country?

- BHP
- Newcrest
- Anglo American
- Barrick
- Codelco
- Lundin Gold
- EquaCorriente
- Dundee Precious Metals
- SolGold
- Cornerstone Capital Resources
- Hancock
- Salazar Resources
- Adventus Mining
- Atico Mining
- Lumina Gold
- Luminex
- Challenger Exploration
- Titan Minerals
- Lucky Minerals
- Aurania Resources
- Tempus Resources

Competent Persons Statement

The information in this report that relates to exploration results and exploration targets and results is based upon information reviewed by Dr. Bruce Rohrlach who is a member of the Australasian Institute of Mining and Metallurgy. Dr. Rohrlach is a full-time employee of Sunstone Metals Ltd and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking 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”. Dr. Rohrlach consents to the inclusion in the report of the matters based on his information in the form and context in which it appears

See ASX announcements

20th October 2022 – Bramaderos

27th September – El Palmar

30th August 2022 – Bramaderos

21st July 2022 – Corporate Presentation

19th July 2022 – Bramaderos

29th June 2022 – El Palmar

1st June 2022 – Bramaderos

25th May 2022 – El Palmar

18th November 2021 – Bramaderos (Alba)

7th October 2021 – El Palmar