



**SUNSTONE**  
METALS

**SUNSTONE METALS LTD. ANNUAL GENERAL  
MEETING, OCTOBER 28, 2021**

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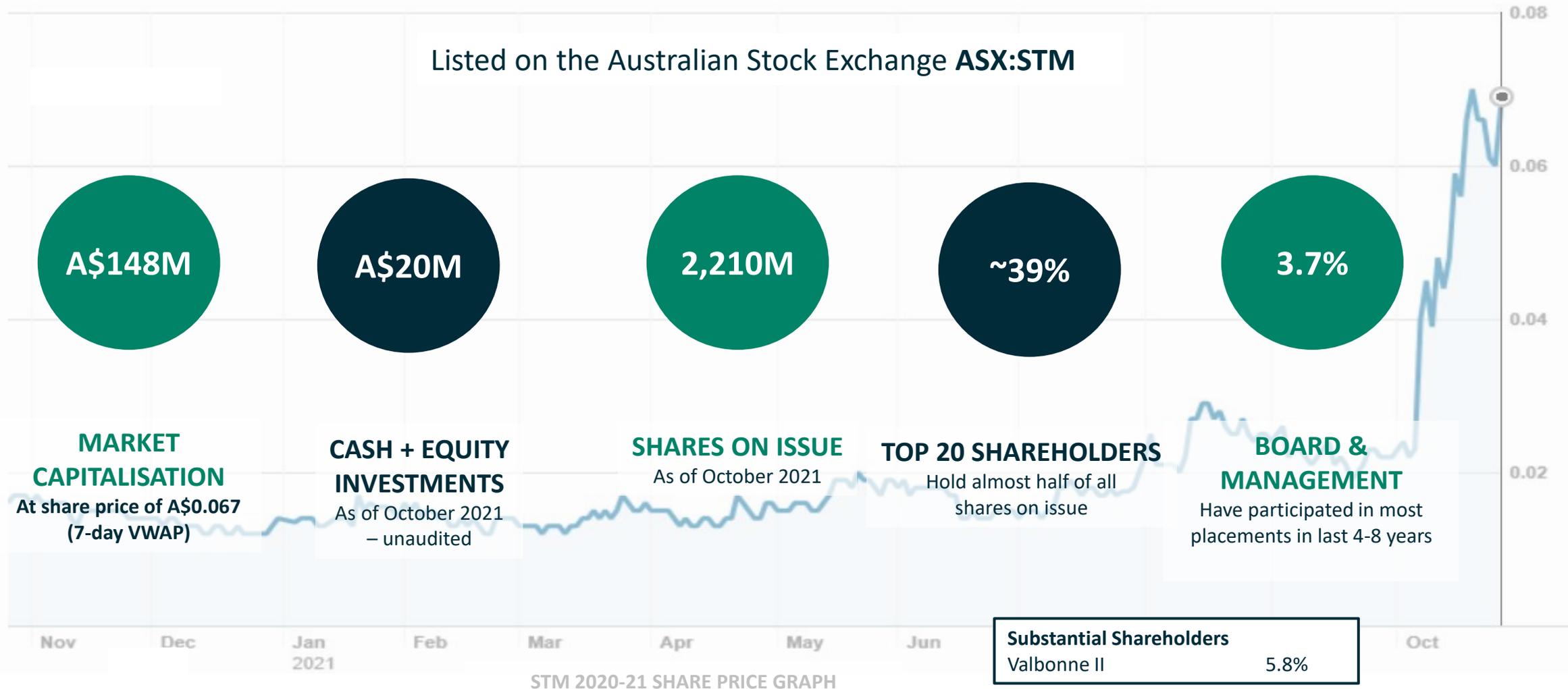
## FORWARD-LOOKING STATEMENTS

This Presentation includes certain statements that may be deemed “forward-looking statements”. All statements in this Presentation, other than statements of historical facts, that address future activities and events or developments that Sunstone expects, are forward looking statements.

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Investors are cautioned that any such statements are not guarantees of future performance and that actual results or developments may differ materially from those projected in forward-looking statements.

# Corporate



# Investment Highlights

## Well funded junior, track record, recent discovery success

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- **Sunstone is well funded and in a strong position to deliver strong shareholder returns with ongoing discovery**
  - Market Capitalisation = ~A\$148 mill
  - Equity Investments + Cash = ~A\$20 mill
  - Delivering Enterprise Value of Ecuador exploration projects = ~A\$128 mill – we would argue, this is undervalued for the early stages of what could be a significant discovery at the El Palmar project
- **Sunstone holds 51%, and is acquiring 100%, of the El Palmar gold-copper porphyry project in northern Ecuador**
  - Through a Staged Acquisition Agreement based on cash payments linked to milestones (US\$300,000 payment to move to 70%, US\$2mill to go from 70 to 100%)
  - The project is located in northern Ecuador, in the same regional belt as the giant Cascabel copper-gold porphyry deposit, and Llurimagua copper-moly porphyry deposit
  - Sunstone has drilled 4 holes so far, all mineralised, 5<sup>th</sup> hole in progress
  - Assays for Holes EPDD001 and part of EPDD002 have delivered a significant gold-copper porphyry discovery with considerable upside
  - 3-D modelling of ground magnetic data is guiding exploration drilling. Gold and copper mineralisation correlate with magnetic rocks
  - Soil sampling in progress to help define additional targets
- **Sunstone owns 87.5% of the Bramaderos Gold-Copper Project in southern Ecuador**
  - The Bramaderos Project has delivered ore grade intercepts of gold and copper, from surface, in the Brama porphyry system. Phase 2 drilling in progress, leading to a mineral resource estimate in early 2022
  - There remains 5 additional highly ranked porphyry gold-copper systems – all of which are mineralised and only partially tested

# The Team

## A high-quality team in Ecuador and Australia

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- A well qualified and focussed team in Ecuador, comprising 100% Ecuadorians, working across the El Palmar and Bramaderos Projects
- The team in Ecuador is expanding and covering all aspects of corporate, social, environmental, safety, technical exploration, logistics, and administration
- A small corporate team in Australia
- Consultant support in specialised areas as needed, including geology, geophysics, ESG, and development
  
- Considerable experience, and a track record of success, in discovery, studies and responsible management of gold-copper porphyry exploration opportunities



# Ecuador

## Building an exploration and mining sector

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New President, Guillermo Lasso, is a supporter of responsible mining

Ecuador is managing through the coronavirus pandemic, with over 60% of the population fully vaccinated

Mining is now playing an important part in Ecuadorian economic growth (*source Bloomberg*);

- mineral resources now represent one of Ecuador's top five exports;
- US\$810 million in exports generated by the mining sector in 2020;
- US\$430 million in taxes paid in 2020 by mining companies in Ecuador
- US\$374 million direct foreign investment for Ecuador during 2020
- Thousands of direct jobs generated across the industry in Ecuador
- Significant expenditure for goods and services in local communities and at the provincial level
- Mining products ~6% of total exports\*, and fourth behind oil, bananas and shrimp. Mining exports growing. \*(by comparison, 61% of exports in Peru are from the mining sector)

Major global mining companies have a presence in Ecuador – BHP, Newcrest, Anglo American, Fortescue, Hancock, Codelco, Lundin

**There will be several very significant gold and copper discoveries and developments in Ecuador over the next few years. Sunstone will be part of that industry growth**

# Ecuador

## Exploration and development is active



### Fruta del Norte

Lundin Gold (TSX:LUG)

High grade underground gold mine; Reserve of 20.8Mt at 8.1g/t gold + 11.8g/t silver; 5.4Moz gold In production; 2021 guidance 380,000 - 420,000 ounces gold; AISC US\$800/ounce; 10.4g/t head grade Ecuador's first modern underground gold mine

### Mirador

Ecuacorriente

Open Pit producing and exporting concentrate; 62,000t copper and 34,000 ounces gold annual production 673Mt at 0.58% copper and 0.19g/t gold

### Cascabel

SolGold 85%/ Cornerstone 15%

Alpala resource

2,663 Mt @ 0.37% copper and 0.25g/t gold in the Measured and Indicated categories, and 544 Mt @ 0.24% copper and 0.11g/t gold in the Inferred category.

Top of main orebody ~500m below surface

### Cangrejos

Lumina Gold (TSX.V:LUM) 100%

568Mt at 0.55g/t gold and 0.11% copper in the Indicated category, and 476 Mt @ 0.41g/t gold and 0.08% copper in the Inferred category.

### Llurimagua

Codelco/Enami (Ecuador) JV; 982Mt at 0.89% copper and 0.04% molybdenum (1.55Bt at 0.51% copper)

### Warintza

Solaris (TSX.V:SLS); small initial resource, huge new drill intersections, 7km x 5km area containing cluster of porphyry systems

# Sunstone Metals

## Community, Safety and Environment



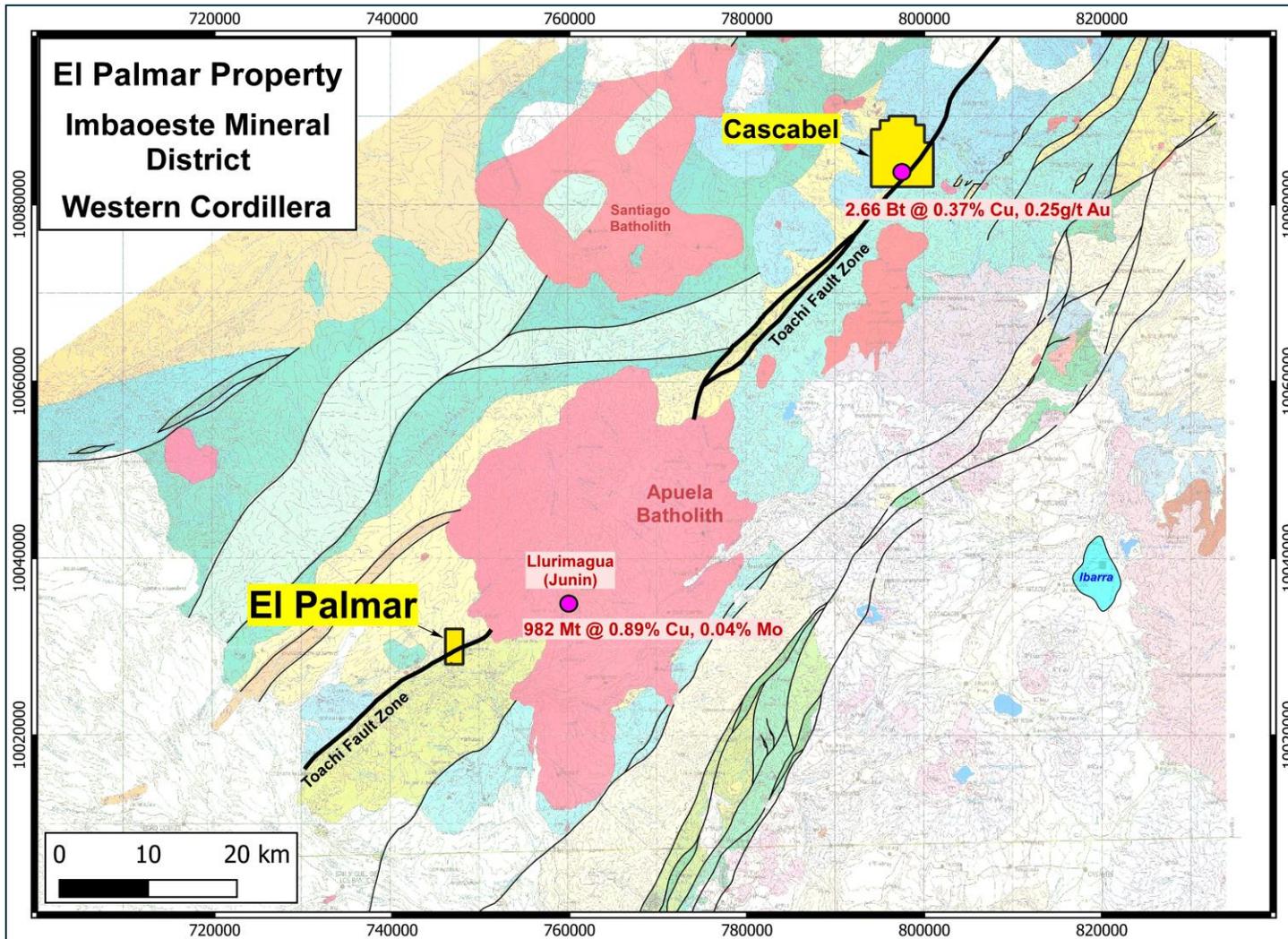
Sunstone takes its **environmental, social and governance** issues very seriously and is committed to improving the quality of life in the areas where we work

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

# El Palmar Project

Within a mineralised belt in northern Ecuador



Prospective for porphyry copper-gold similar to the 2.7Bt Alpala deposit at Cascabel and the 1Bt Llurimagua deposit

## Recent discovery holes drilled by Sunstone

### EPDD001:

- 163.55m at 0.71g/t gold and 0.20% copper (1.05g/t gold equivalent\*) from 52.35m
- Within 480.85m at 0.41g/t gold and 0.15% copper (0.66g/t gold equivalent\*) from 11.3m

Partial assays from hole EPDD002 for the interval 250 – 417.5m are:

- 167.50m at 0.58g/t gold and 0.26% copper (1.02g/t gold equivalent\*) from 250m

See ASX announcement dated 7<sup>th</sup> October 2021

\*AuEq is calculated on a gold and copper basis only, using metals prices at 28<sup>th</sup> September 2021, being US\$1,750/oz gold, US\$4.29/lb copper using the formula: (gold grade in g/t) + 1.68 \* (Cu grade in %).

No metallurgical recoveries have been applied to exploration results.

# El Palmar Project

## Active exploration program

Good access with upgraded roads



Soil sampling in progress across several targets



Ground magnetics completed across concession



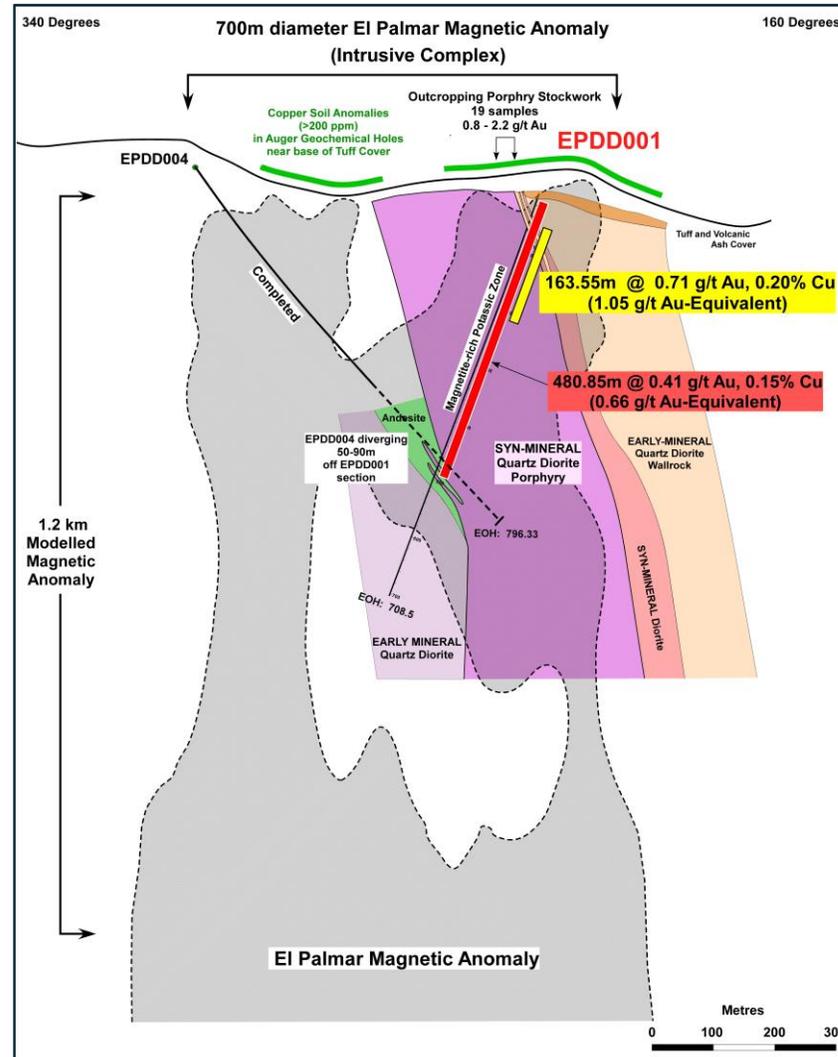
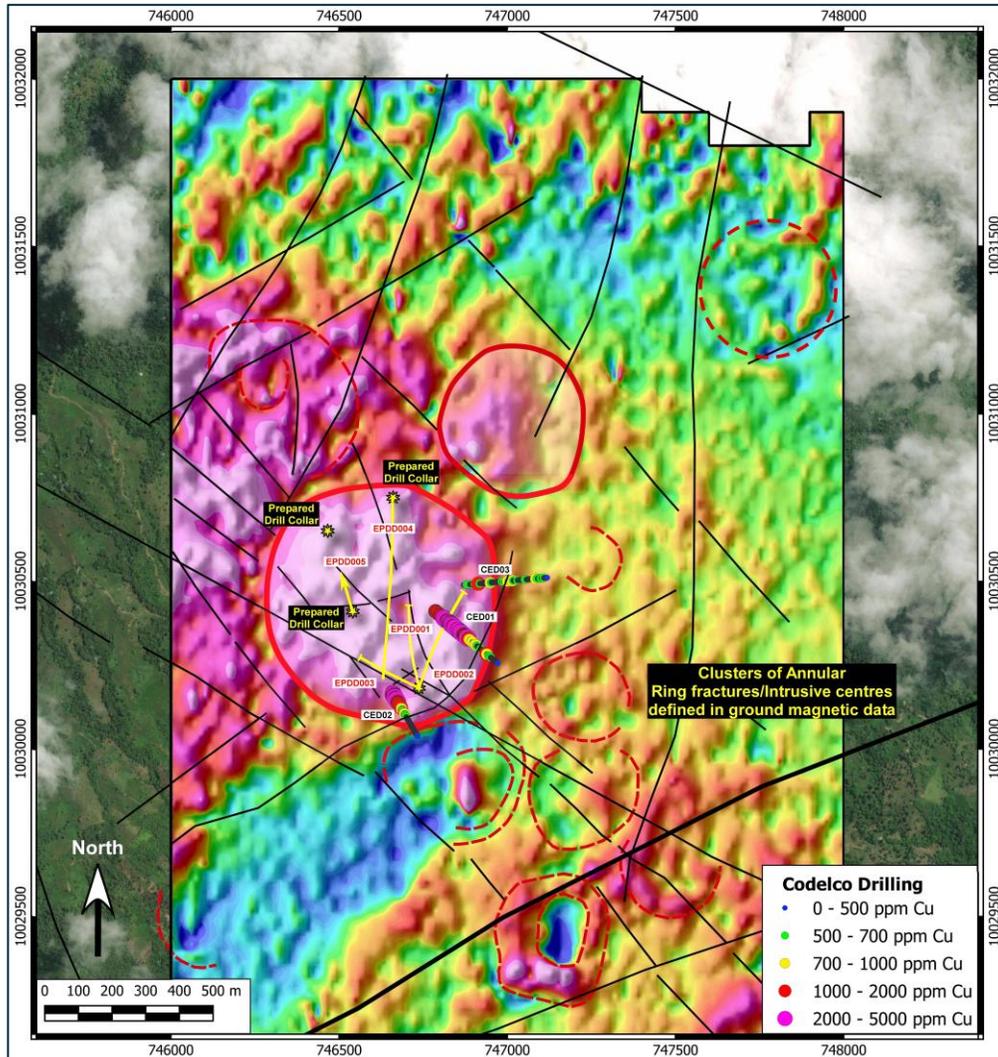
# El Palmar Project

4 drill holes completed, 5<sup>th</sup> in progress



# El Palmar Project

## What do the discovery results mean?



We are optimistic that El Palmar could be a large gold copper porphyry deposit

Mineralisation from surface

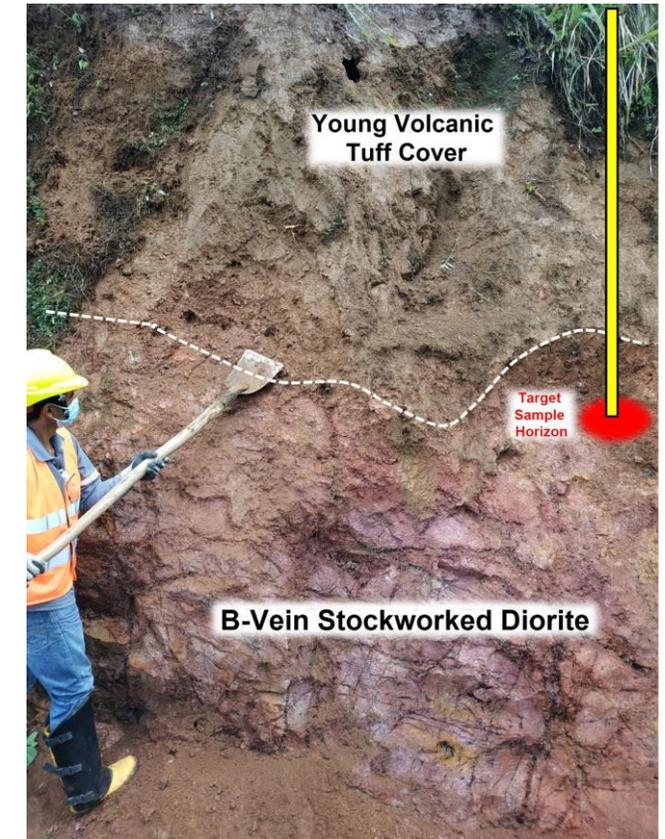
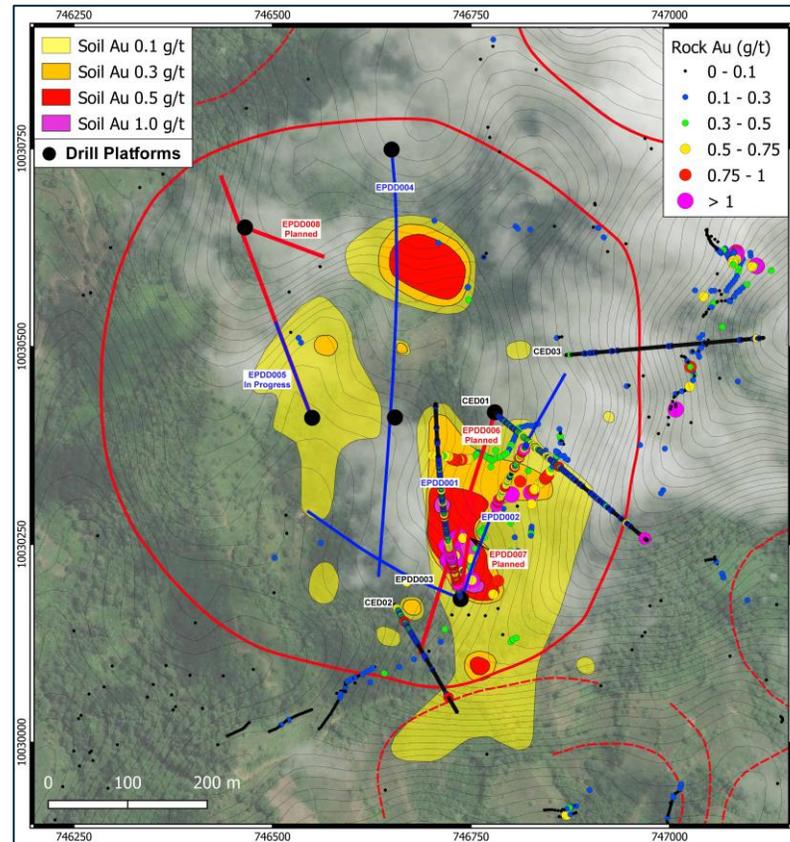
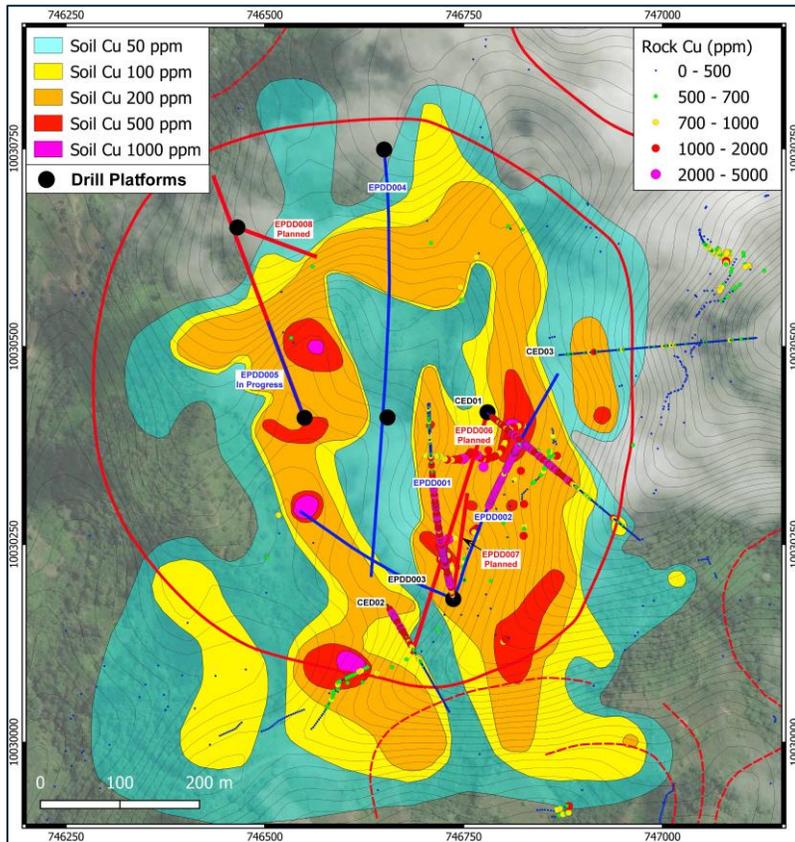
Very significant vertical extent from magnetic modelling

Copper-gold-silver-magnetic susceptibility all correlate – guides initial exploration

Hints to expect higher copper values elsewhere in system

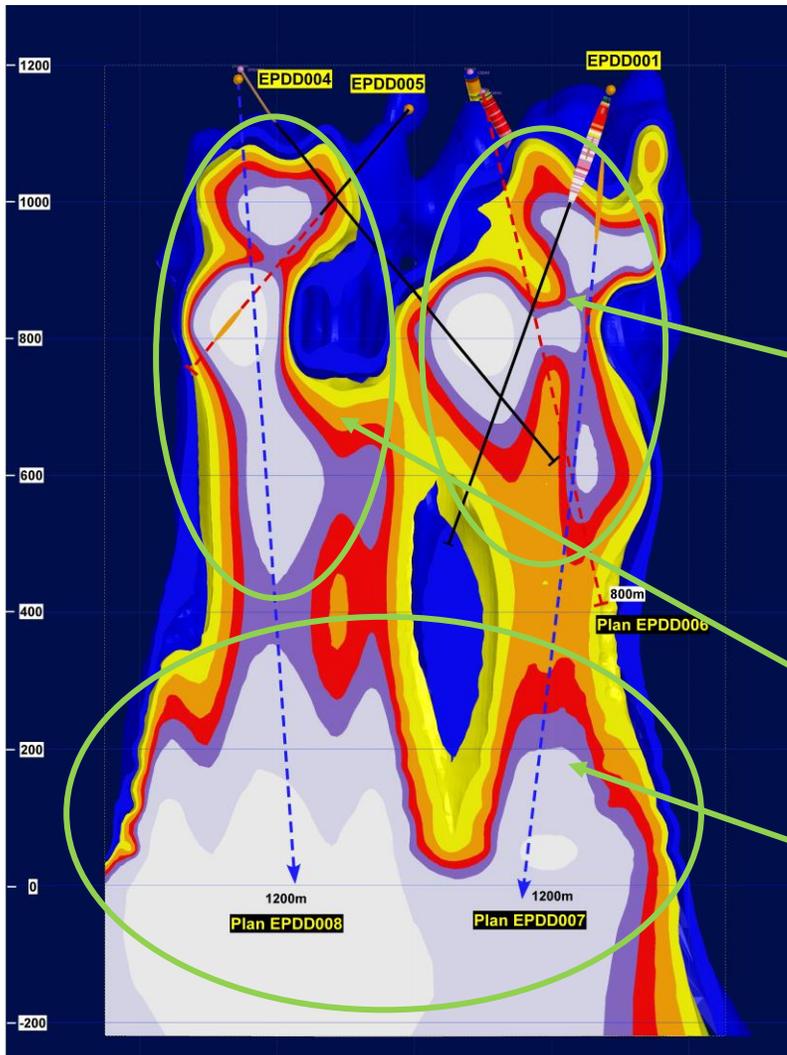
# El Palmar Project

Locally outcropping Porphyry but with cover; Auger soil sampling effective



# El Palmar

Drill targets defined, scale and potential will become evident

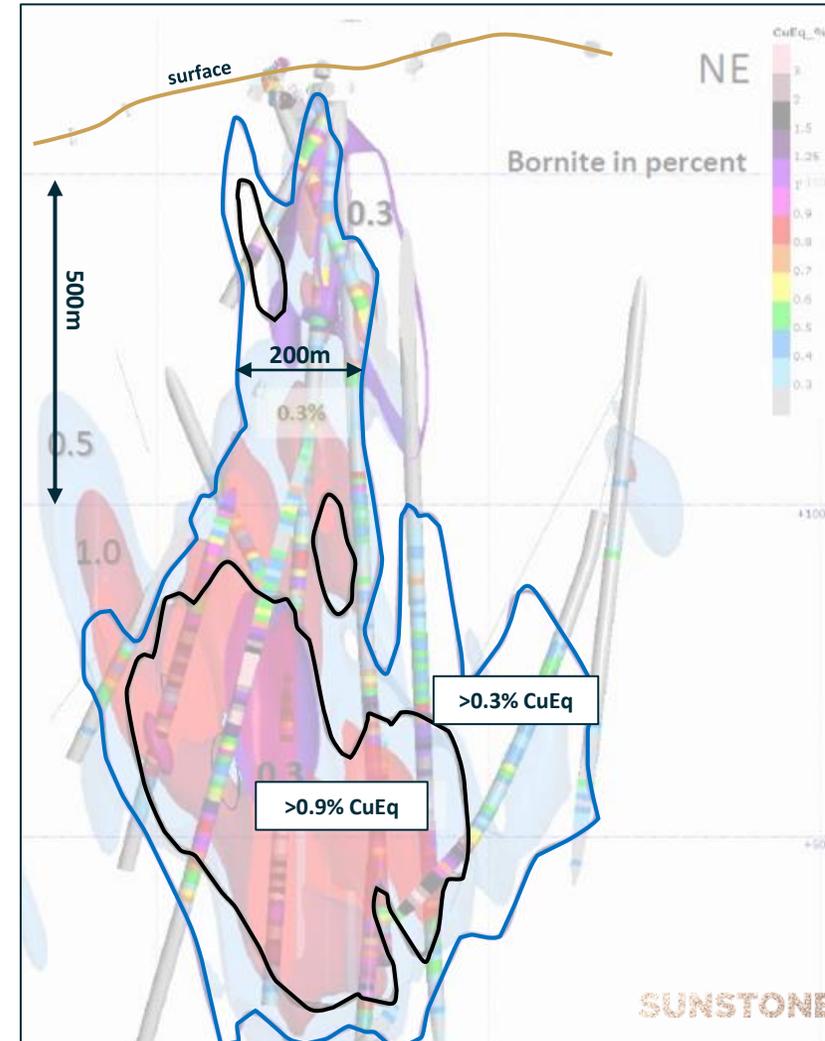


**El Palmar** – main target; drill holes and vertical slice through magnetic model

Upper 400m of sub-vertical SE magnetic body shown to be mineralised from assays from holes EPDD001 and 2

Holes EPDD004 and EPDD005 testing sub-vertical NW magnetic body

Planned holes EPDD007 and 8 to test deeper targets



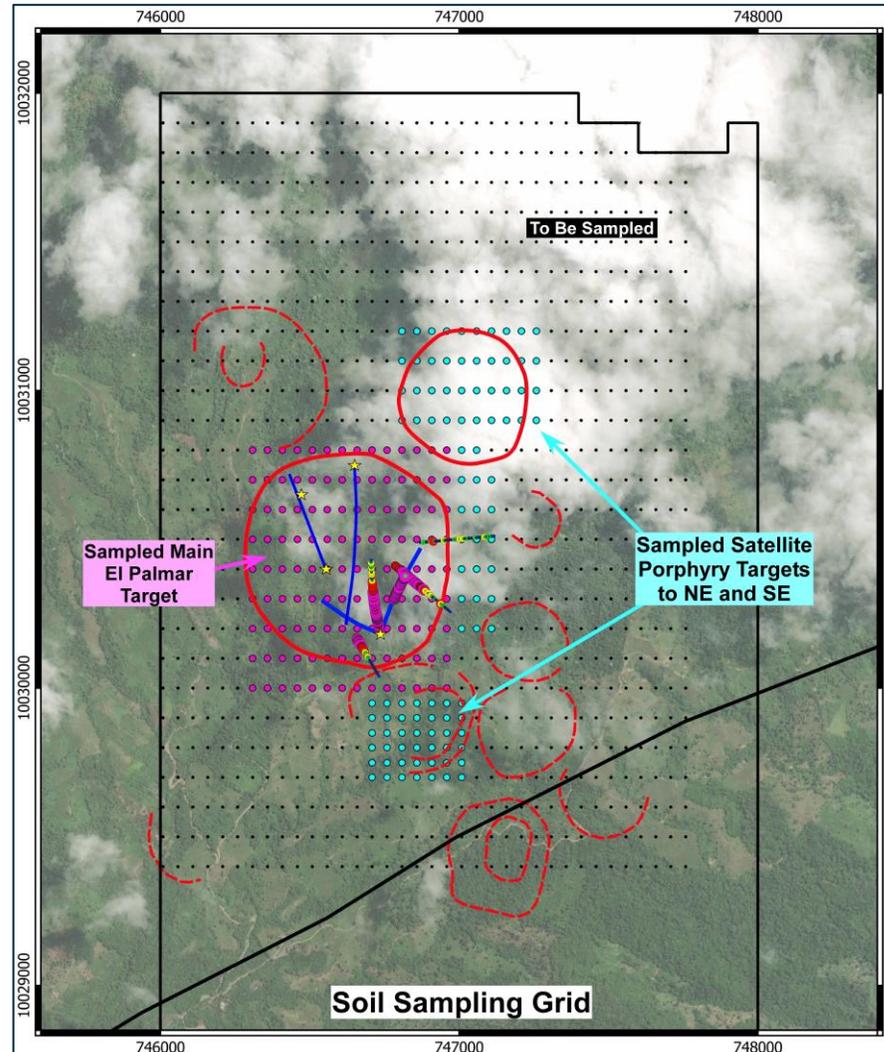
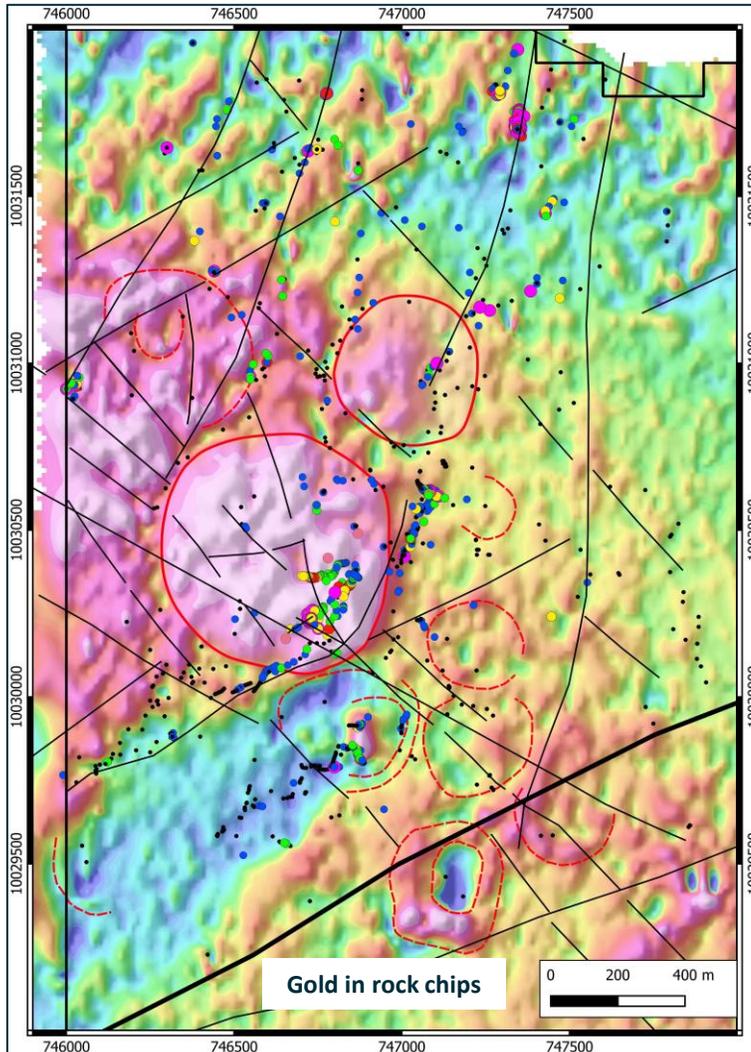
**Alcala, Cascabel (SolGold)** – x-section of bornite and chalcopyrite ratio; and showing CuEq grade domains

(see Garwin, 23 July 2021 GeoHug presentation)

**DIAGRAMS AT SAME SCALE**

# El Palmar Project

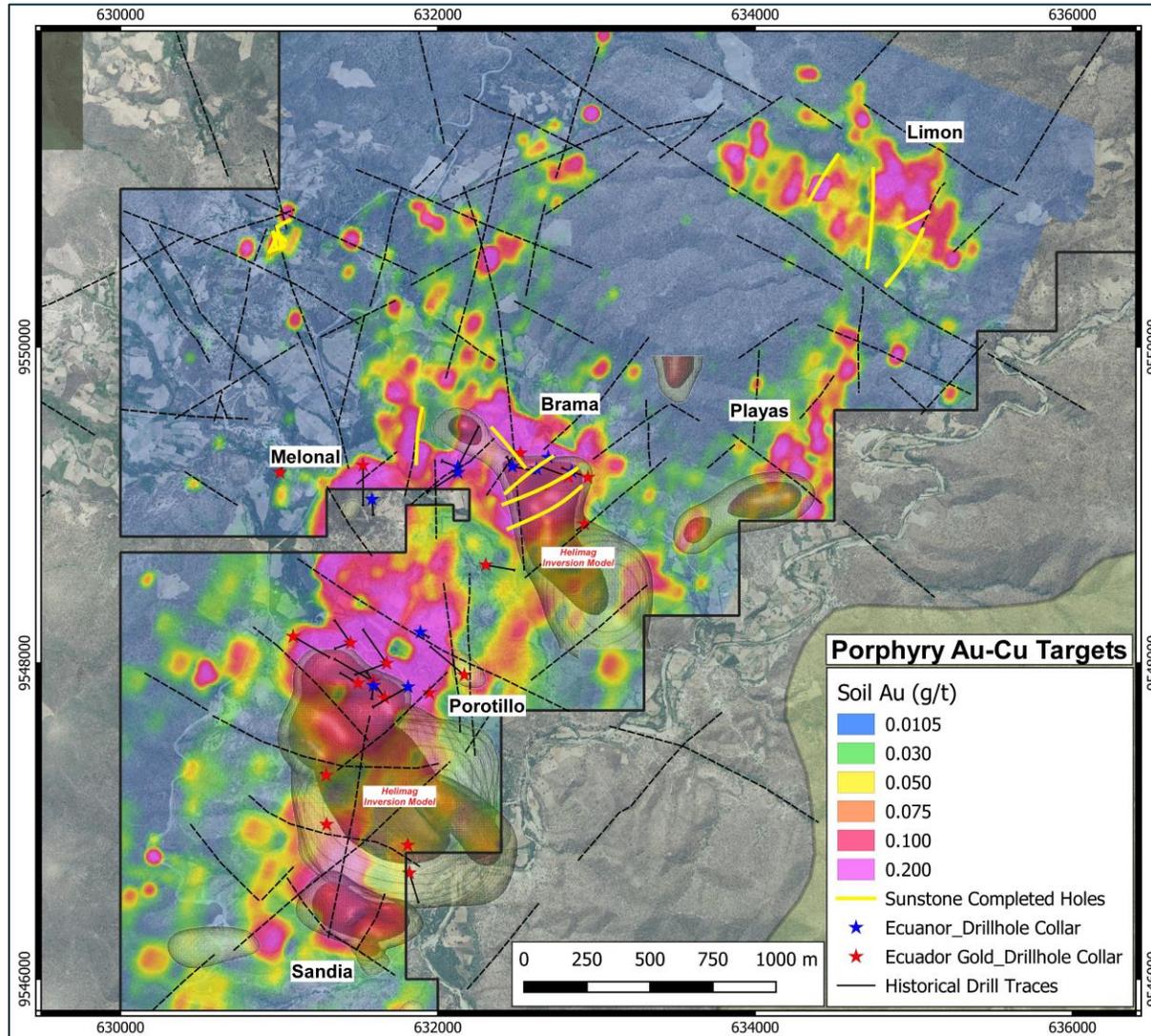
Additional targets being defined and prepared for drilling in 2022



- Magnetics and historical rock chip results identify areas of interest
- 2km long cluster of targets identified to date
- Soil sampling program underway over entire concession
- 4 Additional Porphyry Targets
- 6 Epithermal Targets

# Bramaderos Project

## Multiple Targets – Porphyry gold-copper and epithermal silver-gold



6 porphyry gold-copper systems have been identified and all are mineralized

Currently drilling the Brama target

**Brama** – existing drilling; ore grade intercepts

**Limon** – existing drilling; drilled outside edge of porphyry

**Playas** – no drilling

**Melonal** – very minor drilling found copper and gold

**Porotillo** – historical drilling, some good grades

**Sandia** – no drilling

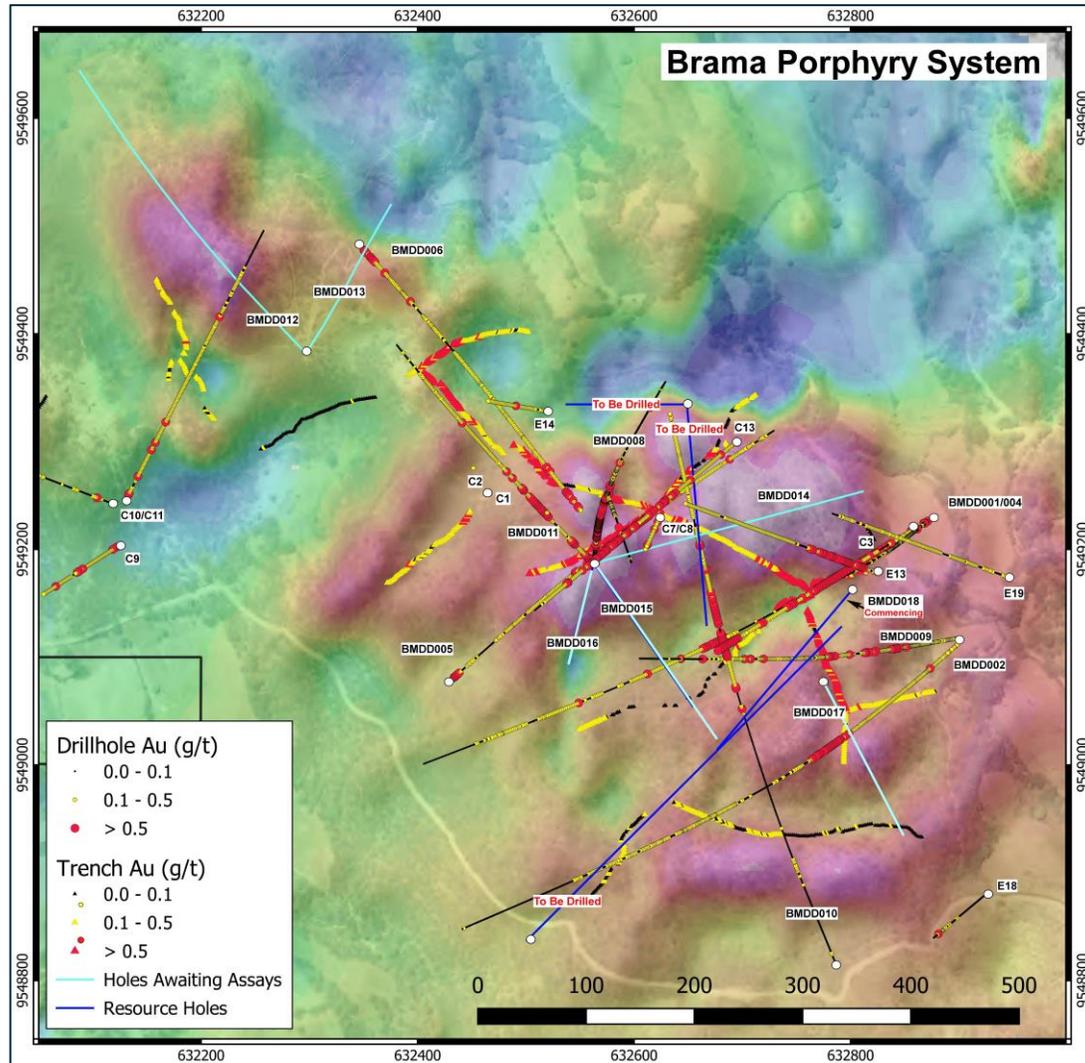
At least 2 known mineralised epithermal gold-silver systems (NE geological extension of Dynasty goldfield)

*ON PAGE 15 - AuEq is calculated on a gold and copper basis only, using metals prices at 28<sup>th</sup> September 2021, being US\$1,750/oz gold, US\$4.29/lb copper using the formula: (gold grade in g/t) + 1.68 \* (Cu grade in %).*

*No metallurgical recoveries have been applied to exploration results.*

# Brama Porphyry

## Large gold-copper system at surface

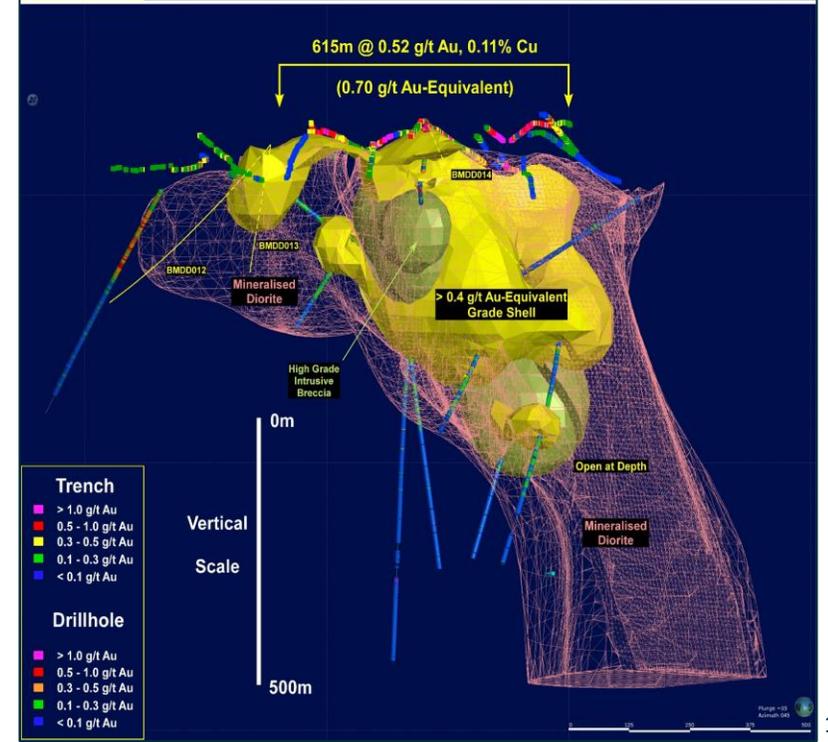
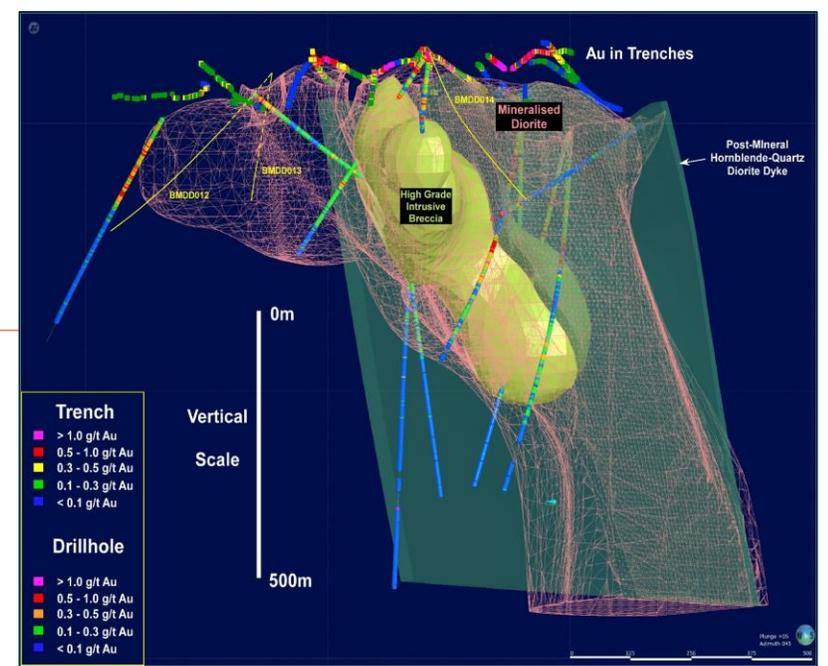
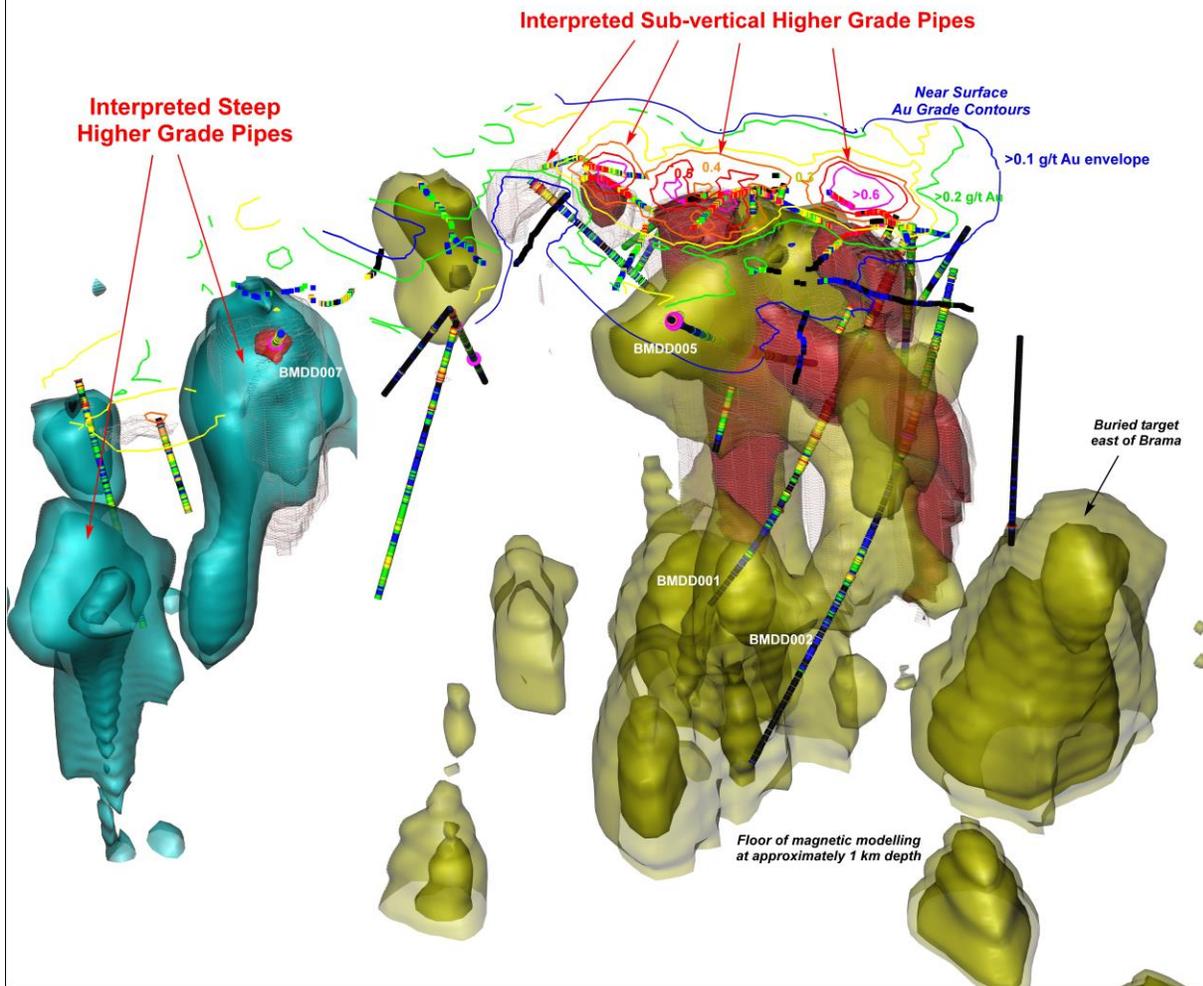


- 16 effective diamond drill holes to date - all mineralized, some ore grade
- Longitudinal trench BM14 – 615.14m at 0.52g/t gold and 0.11% copper (0.7g/t AuEq), including
  - 122.6m at 0.55g/t gold, 0.17% copper (0.84g/t AuEq), and
  - 97m at 0.61g/t gold, 0.16% copper (0.82g/t AuEq), and
  - 179.7m at 0.6g/t gold, 0.09% copper (0.75g/t AuEq)
- BMDD001; 172m at 0.52g/t gold and 0.16% copper (0.79g/t AuEq) downhole, including
  - 96.6m at 0.61g/t gold and 0.18% copper (0.91g/t AuEq), and
- Trench above CURI-03 returned; 140.6m at 0.57g/t gold and 0.15% copper (0.82g/t AuEq), including
  - 68.2m at 0.8g/t gold and 0.18% copper (0.98g/t AuEq)
- BMDD008; drilled a mineralised intrusive breccia intersecting
  - 450m at 0.47g/t gold and 0.1% copper (0.64g/t AuEq), including
  - 84.3m at 0.8g/t gold and 0.11% copper (0.64g/t AuEq)
- BMDD009; 185.3m at 0.4g/t gold, 0.15% copper, (0.64g/t AuEq) from 116.8m
- BMDD010; 170.65m at 0.46g/t gold and 0.15% copper. (0.7g/t AuEq) from 311.75m, including
  - 69.6m at 0.65g/t gold, 0.2% copper, (0.97g/t AuEq) from 347m
- BMDD011; 404.8m at 0.32g/t gold, 0.09% copper, (0.46g/t AuEq) from surface, including
  - 51.3m at 0.54g/t gold, 0.07% copper (0.65g/t AuEq) from surface
- BMDD012-017 drilled
- Four remaining holes in this drill program
- See ASX announcements dated 16 September 2021, 22 April 2021, 20 August 2019

# Brama Porphyry

## Building tonnes, and testing other targets

Inclined View Looking NNE Across the Brama Prospect - (Magnetic Iso-surfaces and Au 0.35, 0.40, 0.50 g/t shells)



# Sunstone Metals

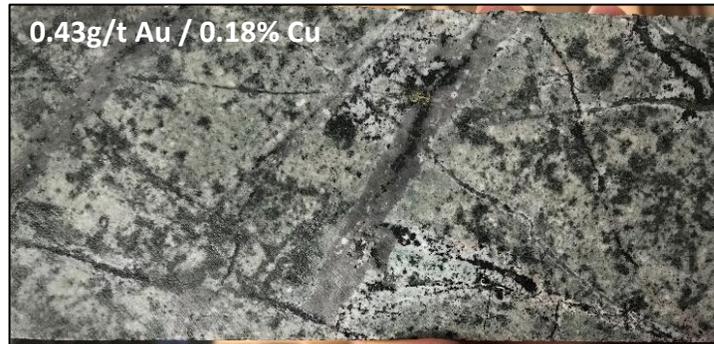
## What's ahead in 2021 and into 2022

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- ✓ **2021-22 – Demonstrate significant upside to El Palmar discovery, no near-term plans for raising capital**
- ✓ **El Palmar**
  - Q4, 2021**
    - drilling (2<sup>nd</sup> rig to be added early December),
    - assays from holes EPDD002 & 3 – mid November; EPDD004 – early December; EPDD005 – December
    - Drill hole EPDD006 to be completed by end Nov; Drill holes EPDD007 & 8 commence in early December
    - expanded soil sampling coverage in progress and assays for first 2 targets to be delivered by mid December
    - concession wide geological mapping and sampling
  - 2022**
    - Deep drilling first assay results expected Feb or Mar 2022 (drill holes to be completed in mid Jan)
    - Drilling on both main anomaly and on satellite targets
- ✓ **Bramaderos**
  - Q4, 2021**
    - Drilling, 1 rig, 2 holes to drill during November
  - 2022**
    - deep penetrating electrical geophysics
    - Inaugural mineral resource estimate over Brama target only

# El Palmar Project

still early days, building an understanding of the geology



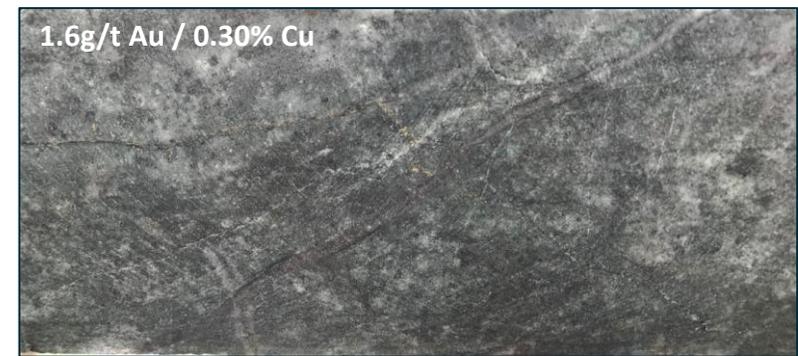
0.43g/t Au / 0.18% Cu

EPDD001: 304m



0.42g/t Au / 0.16% Cu

EPDD001 320m.  
Coarse-grained bornite along shear zone + actinolite.



1.6g/t Au / 0.30% Cu

EPDD002 256m.  
fine-grained diorite with quartz-magnetite veining



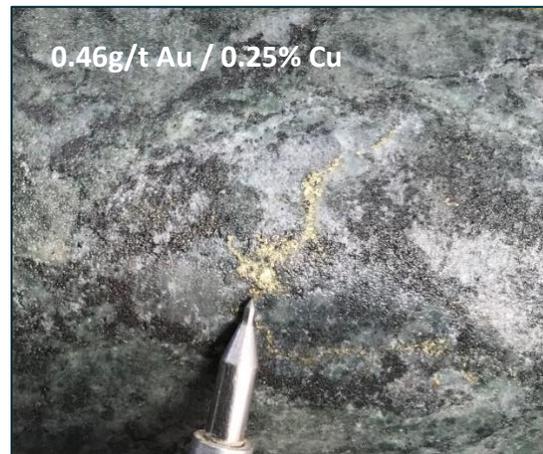
1.03g/t Au / 0.33% Cu

EPDD001 173m



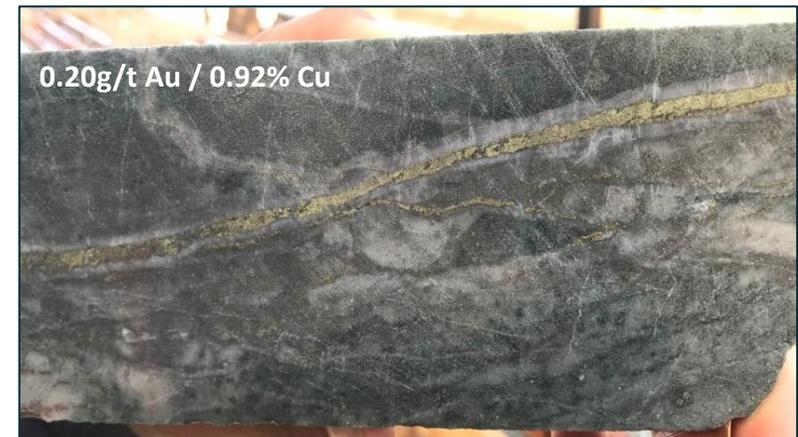
0.22g/t Au / 0.14% Cu

EPDD001 354.3m



0.46g/t Au / 0.25% Cu

EPDD001 225.8m.  
Quartz-magnetite-chalcopyrite vein in quartz-chlorite-magnetite-actinolite-epidote-calcite altered porphyry



0.20g/t Au / 0.92% Cu

EPDD002 332.15m.  
Sulphide veins in quartz diorite

# Competent Persons Statement

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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