



Limon Epithermal Gold-Silver Drilling Results

and El Palmar update



STM

29 March 2023

Disclaimer

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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.

Although Sunstone believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, such statements are not guarantees of future performance and actual results or developments may differ materially from those in the forward-looking statements. Factors that could cause actual results to differ materially from those in forward-looking statements include market prices, continued availability of capital and financing, and general economic, market or business conditions.

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.

Sunstone Snapshot

Ecuador focussed, gold-copper explorer and discoverer

ASX - STM

Market Capitalisation ¹ A\$86.5 mill
Cash + Equity Investments ² A\$11.2 mill

Shares on Issue 2,620 million
Top 20 Shareholding 36%
Institutional and Family Office Shareholding 29%
Board and Management Shareholding 5.1%

Desk notes and Analyst Coverage - Taylor Collison
- Morgans
- MineLife
- Far East Capital



¹ Based on share price of A\$0.033 (30 day VWAP)

² At Dec 31; Equity investments in CSE listed United Lithium Corp and ASX listed NewPeak Metals

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
- Major mining companies present and some active in JVs

Two Large Modern Operating Mines

Fruta del Norte

Lundin Gold (TSX:LUG) - Ecuador's first modern underground gold mine
2022 produced 476,329 ozs gold at 10.6g/t, at an AISC of \$805/oz

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

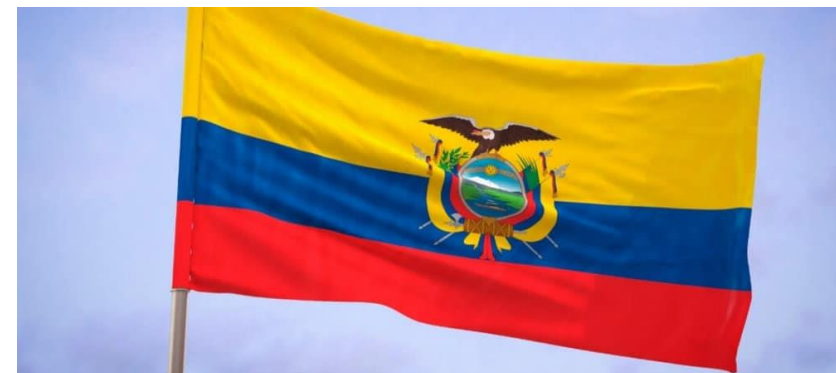
Several Advanced Projects and Large Exploration Projects

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	17.8 million
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 2022 (US\$)	2.78 billion (+600% vs 2019)
Exports Top 4 in order	Oil, Prawns, Bananas, Metals

Investment Opportunity

- Simple proposition – discovery adds significant shareholder value
- Underpinned by Inaugural MRE December 2022; 2.7Mozs AuEq*
- The Sunstone team has a track record of copper-gold porphyry discovery
 - Tujuh Bukit, Indonesia
 - Alpala, Cascabel, Ecuador
- Sunstone in late 2021
 - Initial El Palmar discovery announced 7th October 2021
 - Initial Alba discovery announced 18th November 2021
- Discoveries delivered very strong share price growth in late 2021
- Goal to deliver additional discoveries during 2023
- 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



* See slides 13 & 16

ESG considered across the business



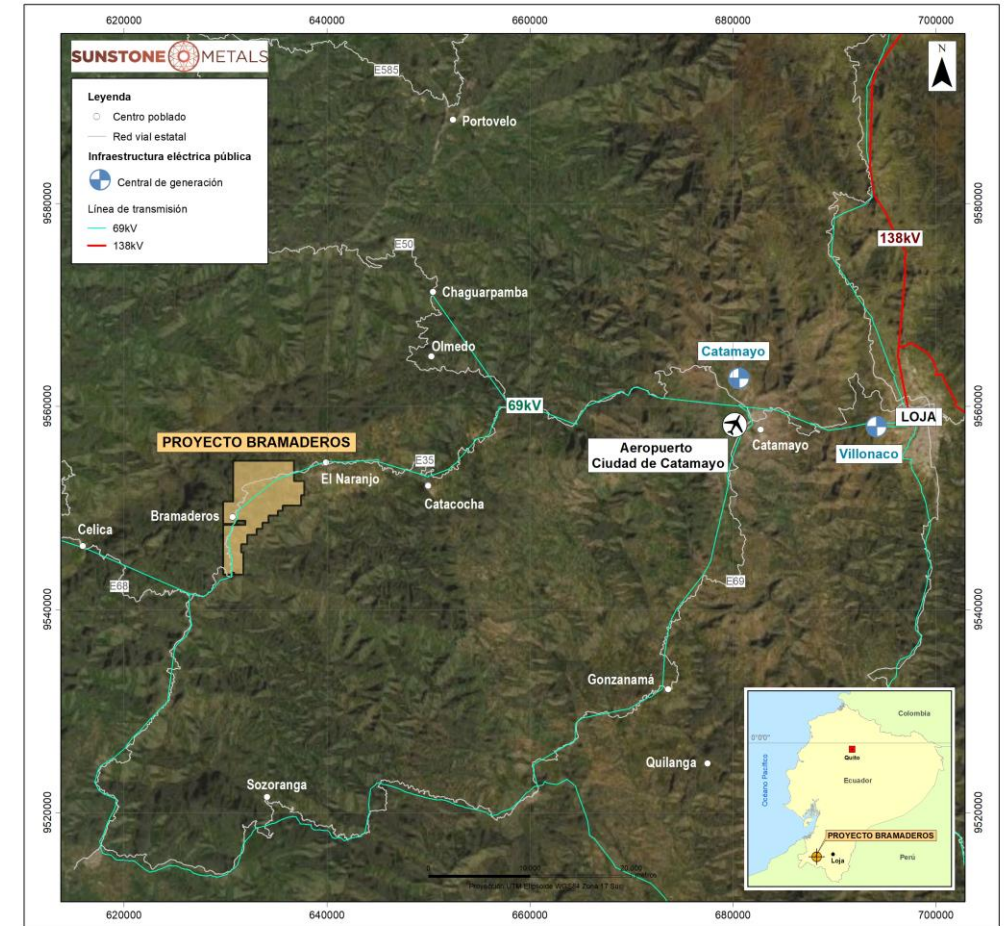
Sunstone appreciates the strong community support that it has at its projects and takes its **environmental, social and governance** issues very seriously. It is committed to advance its social performance in the areas where we work

Sunstone is aiming to produce its inaugural Sustainability Report in Q4 2023

Sunstone

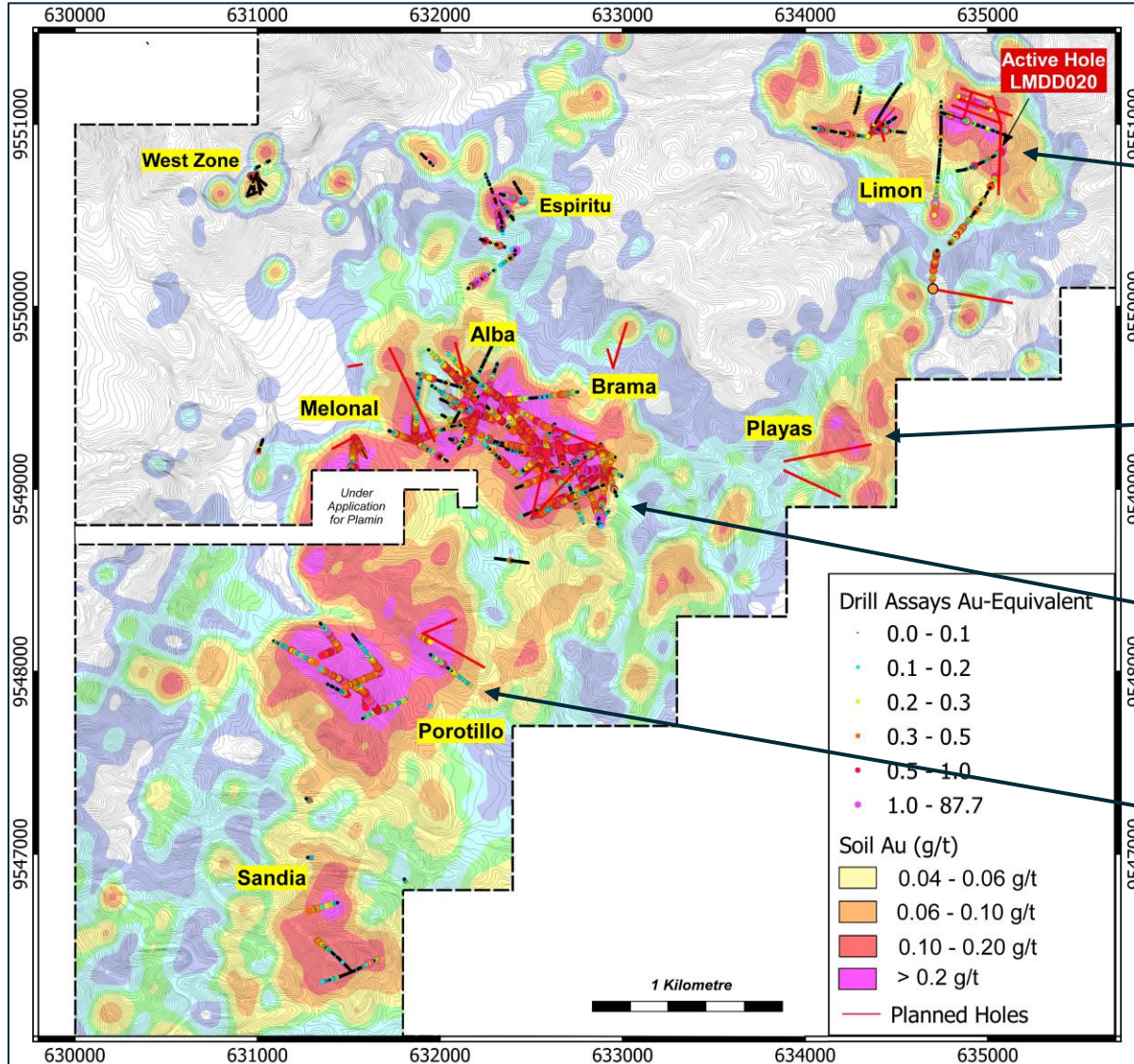
- has significant **environmental monitoring programs** across its projects
- is involved in various **community programs** at Bramaderos and El Palmar
- undertakes considerable **training programs** across a large range of skills for workers and the communities in which we operate
- **works with the 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

Bramaderos, Southern Ecuador



- 4,984ha concession
- Adjacent to the Pan American Highway
- At ~900m asl
- Multiple gold-copper 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

Bramaderos – rich with gold-copper targets



LIMON - Outcropping gold-copper porphyry and HS epithermal
 97.6m at 0.71g/t gold and 0.23% copper in trench
 LMDD010 in 2022 delivered 79m at 0.52g/t gold, 0.19% copper, 9.4g/t silver (0.9g/t AuEq) from 90m
 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 molybdenite in porphyry 'halo'
Drilling 2022-23; porphyry mineralisation included in Exploration Target

PLAYAS – Outcropping gold-copper porphyry
Drilling 2023; not yet included in Exploration Target

BRAMA-ALBA – Outcropping gold-copper porphyry >1.2km x 400m
Initial MRE pit constrained; extensions within the Exploration Target
MELONAL drilling 2022-23; included in Exploration Target

POROTILLO – Porphyry gold-copper system with historical drill hole
 CURI-05 drilled 24m at 1.2g/t gold
Drilling 2023; not yet included in Exploration Target

SANDIA – Outcropping low-grade gold-copper porphyry
 Drilling 2022

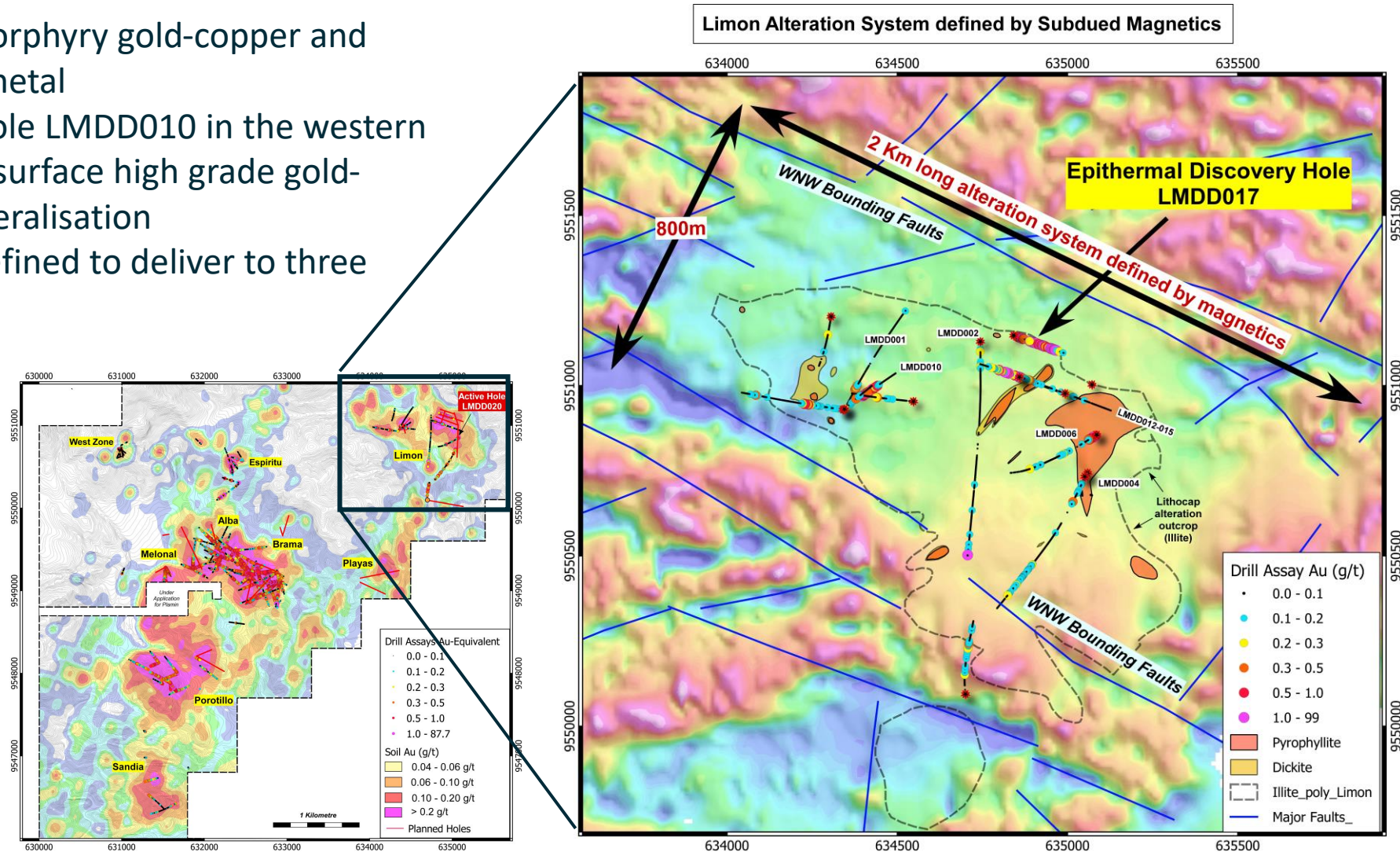
Limon – gold-silver epithermal above porphyry

- Limon drilling has targeted porphyry gold-copper and epithermal gold-silver-base metal
- High grade trench and drill hole LMDD010 in the western target zone intersected near surface high grade gold-copper in porphyry style mineralisation
- The epithermal target was defined to deliver to three goals –

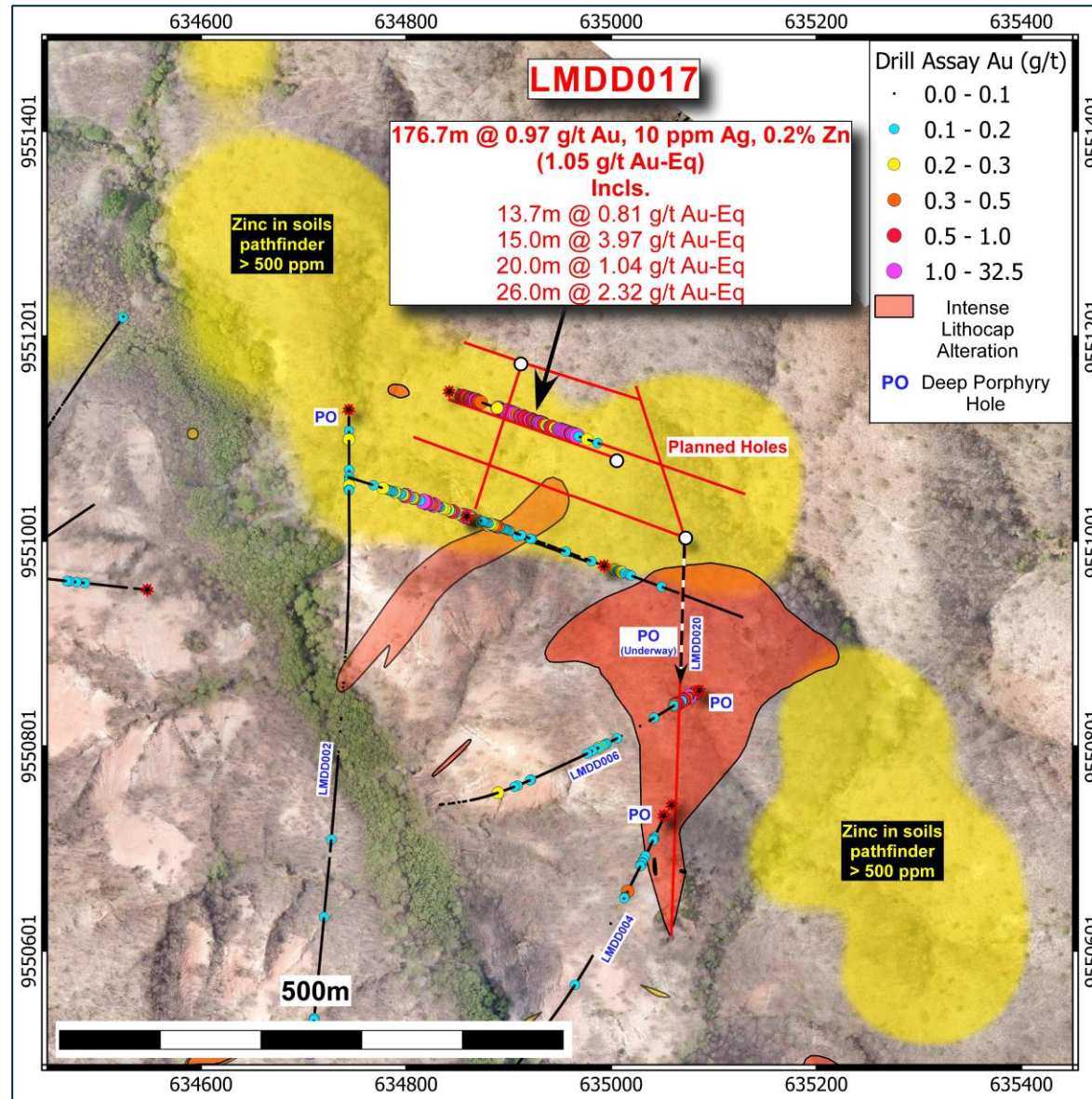
1. Near surface mineralisation
2. High grade
3. Potential 'starter pit'

Today's results deliver this

This could have a very significant impact on the Bramaderos Project

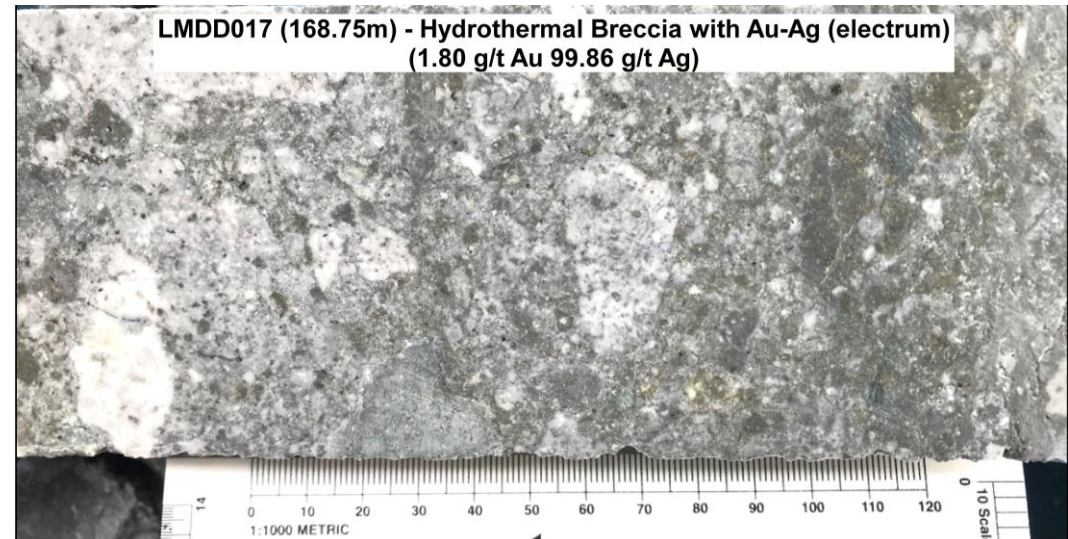
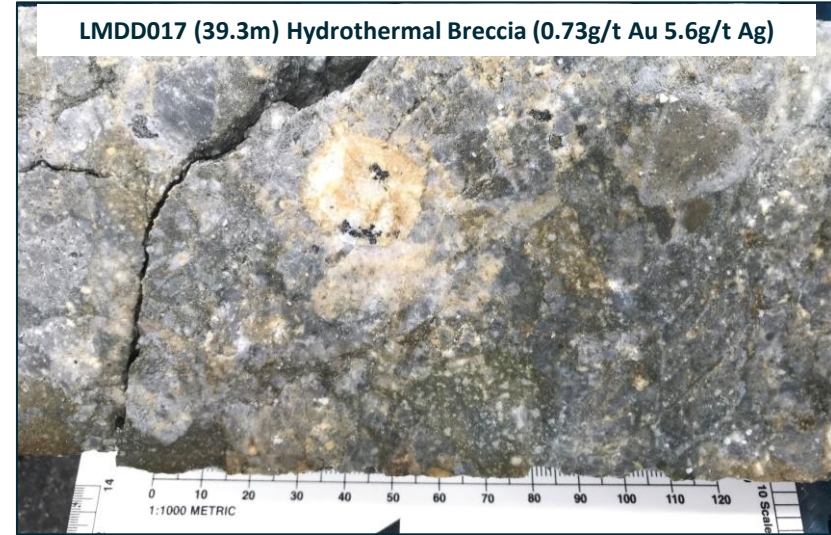
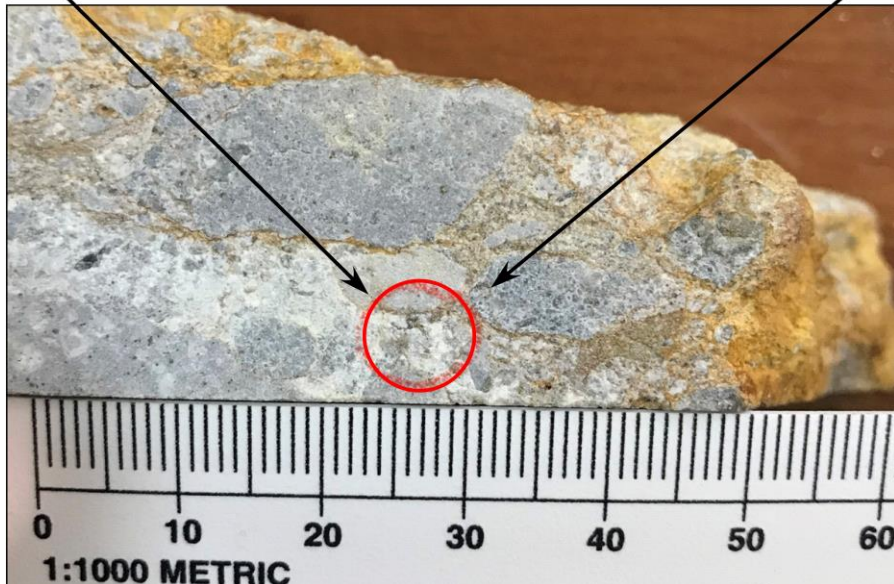
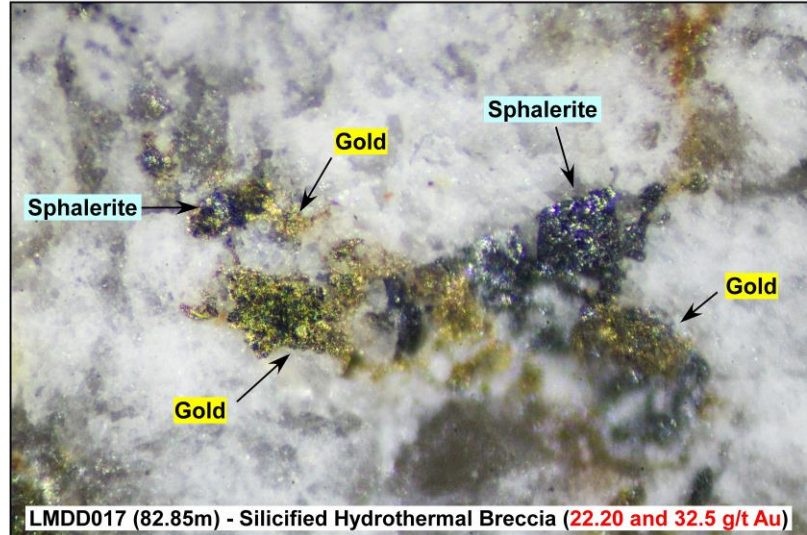


Limon – gold-silver epithermal



- 176.7m at 1.1g/t AuEq* (0.97g/t gold and 10.1g/t silver), from 6.8m in LMDD017, including
 - 13.7m at 0.81g/t AuEq* (0.68g/t gold, 14.9g/t silver), from 29.3m
 - 15.0m at 3.97g/t AuEq* (3.91g/t gold, 7.69g/t silver), from 81.2m, including
 - 1.7m at 22.3g/t AuEq* (22.2g/t gold, 6.8g/t silver), from 81.2m
 - 20.0m at 1.04g/t AuEq* (0.96g/t gold, 9.6g/t silver), from 114.5m
 - 26.0m at 2.32g/t AuEq* (0.2.02g/t gold, 36.2g/t silver), from 157.5m
- Follow-up drilling is being planned and is expected to comprise 10 holes for ~2,100 m and will take 3 months

Limon – gold-silver epithermal



Limon – view to NE



Brama-Alba – initial Mineral Resource estimate

JORC Classification	Tonnage (Mt)	Au (g/t)	Cu (%)	Ag (g/t)	AuEq (g/t)	AuEq* (Mozs)
Indicated	9	0.38	0.09	1.1	0.53	0.2
Inferred	147	0.35	0.11	1.3	0.53	2.5
Total	156	0.35	0.11	1.3	0.53	2.7

- Due to the effect of rounding, the total may not represent the sum of all components

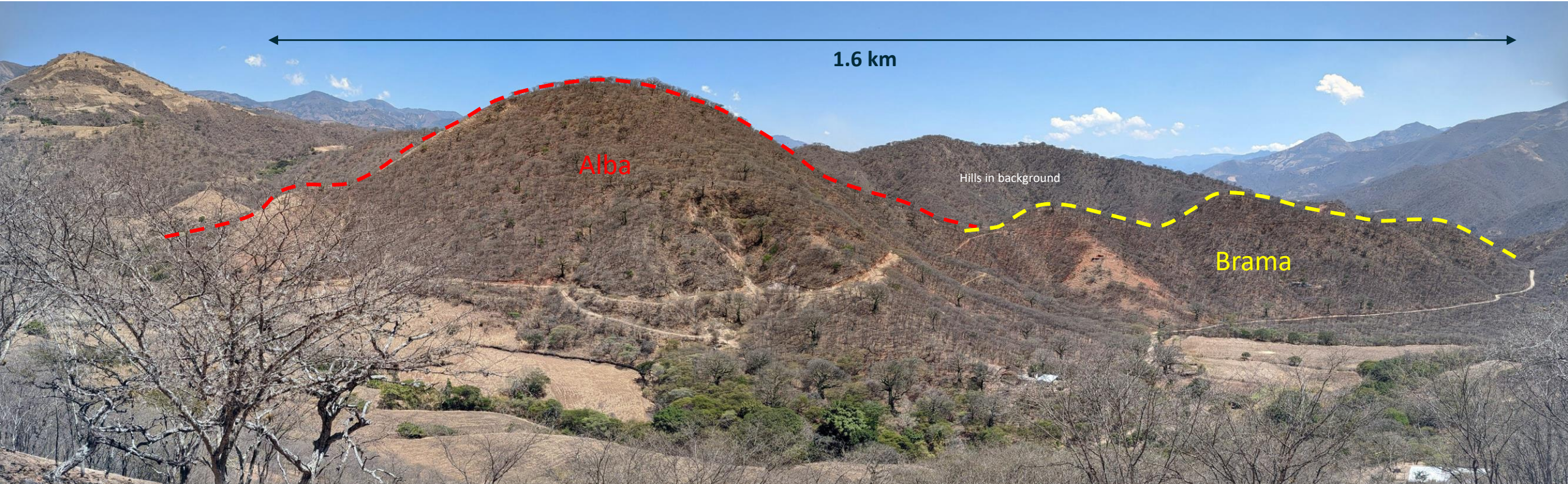
-- A reporting cut-off grade of 0.3 g/t AuEq was adopted.

--- Metal equivalent recovery assumptions are supported by metallurgical test work.

- See ASX announcement dated 13th December 2022 and slide 23 for detail
- Initial MRE – this is expected to grow; see discussion on Exploration Target and other targets
- Pit constrained, mineralisation from surface; **Brama-Alba porphyry systems only**
- MRE is based on data from 53 drill holes for 27,338m, and on 3,064 linear meters of trenching in 13 trenches
- Positive metallurgy (flotation and leach) and potential for additional heap leach opportunity
- 2.7Mozs AuEq*
 - 1.77Mozs gold
 - 169 kt copper
 - 6.5Mozs silver

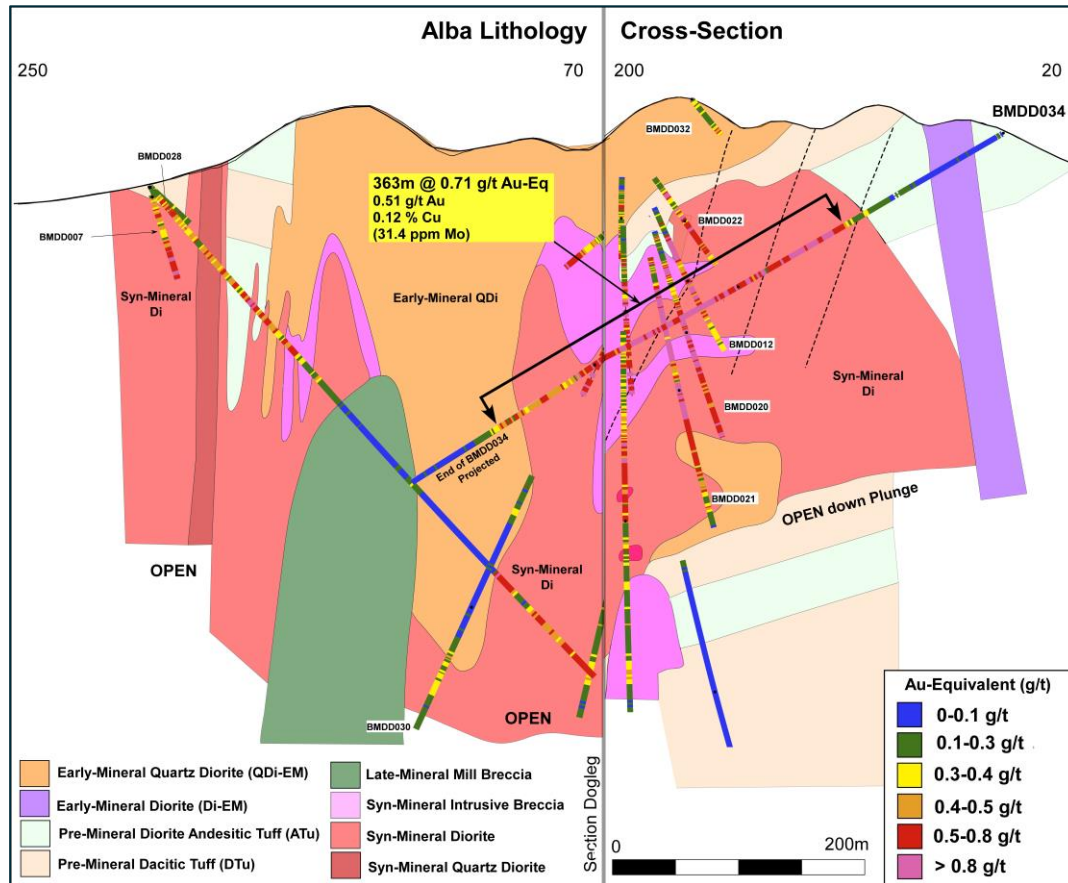
*The gold equivalent calculation formula is $AuEq(g/t) = (Au\ grade \times Au\ price \times Au\ recov / 31.1035) + (Ag\ grade \times Ag\ price \times Ag\ recov / 31.1035) + (Cu\ grade \times Cu\ price \times Cu\ recov / 100) / (Au\ price \times Au\ recov / 31.1035)$. The prices used were US\$1,800/oz gold and US\$9,500/t copper and US\$22/oz silver. Recoveries are estimated at 89% for gold, 85% for copper, and 60% for silver based on metallurgical studies. In Sunstone's opinion all the elements included in the metal equivalents calculation have reasonable potential to be recovered and sold.

Brama-Alba – mineralisation from surface



- View looking NE; December 2022
- 1.2km long mineralised system – so far
- Outcropping gold-copper
- Development would initially mine a hill – very low strip ratio
- Higher grade domains close to surface
- Many opportunities to grow resource, and define higher grades

Brama-Alba – higher grade domains



- Large porphyry system, with some higher-grade domains
- BMDD034 – intersected 202m at 0.86g/t AuEq close to surface at Alba
- BMDD008 – intersected 302m at 0.73g/t AuEq close to surface at Brama
- BMDD012 – intersected 111m at 2.35g/t gold from 93m, including 7.2m at 27g/t gold from 124.8m at Alba

For context

- Cadia East (Newcrest, NSW) underground Indicated MRE grades 0.78g/t AuEq
- Alpala (Cascabel, SolGold, Ecuador) planned underground development, Measured and Indicated, and Inferred MRE grades 0.84 and 0.49g/t AuEq respectively (also a high-grade core at 1.2 – 2.2g/t AuEq)
- Tandayama-America (Cascabel, SolGold, Ecuador) M&I MRE 528Mt at 0.57g/t AuEq
- Boddington (Newmont, WA) M&I MRE grades 0.7g/t AuEq
- Boda (Alkane, NSW) inferred MRE 624Mt at 0.51g/t AuEq
- Kaiser (Alkane, NSW) inferred MRE 270Mt at 0.54g/t AuEq

Brama-Alba – initial Exploration Target

Exploration Target	Min. Tonnage (Mt)	Max. Tonnage (Mt)	Metal Content Min. AuEq (Mozs)	Metal Content Max. AuEq (Mozs)
Brama-Alba (excluding MRE areas)	70	100	0.79	2.57
Melonal	150	200	1.93	4.50
Limon	35	60	0.56	1.54
TOTAL	255	360	3.30	8.60

Exploration Target	Min. Tonnage (Mt)	Max. Tonnage (Mt)	Min. Grade Au (g/t)	Min. Grade Cu (%)	Min. Grade AuEq (g/t)
Brama-Alba (excluding MRE areas)	70	100	0.20	0.10	0.35
Melonal	150	200	0.25	0.10	0.40
Limon	35	60	0.33	0.10	0.50
TOTAL	255	360			0.40

Exploration Target	Min. Tonnage (Mt)	Max. Tonnage (Mt)	Max. Grade Au (g/t)	Max. Grade Cu (%)	Max. Grade AuEq (g/t)
Brama-Alba (excluding MRE areas)	70	100	0.60	0.12	0.80
Melonal	150	200	0.50	0.12	0.70
Limon	35	60	0.60	0.12	0.80
TOTAL	255	360			0.74

3.3 to 8.6Mozs AuEq

Comprising

2.1 to 6.6Mozs gold

255 to 432kt of copper

10.7 to 15.1Mozs silver

Within 255 to 360Mt of mineralised rock

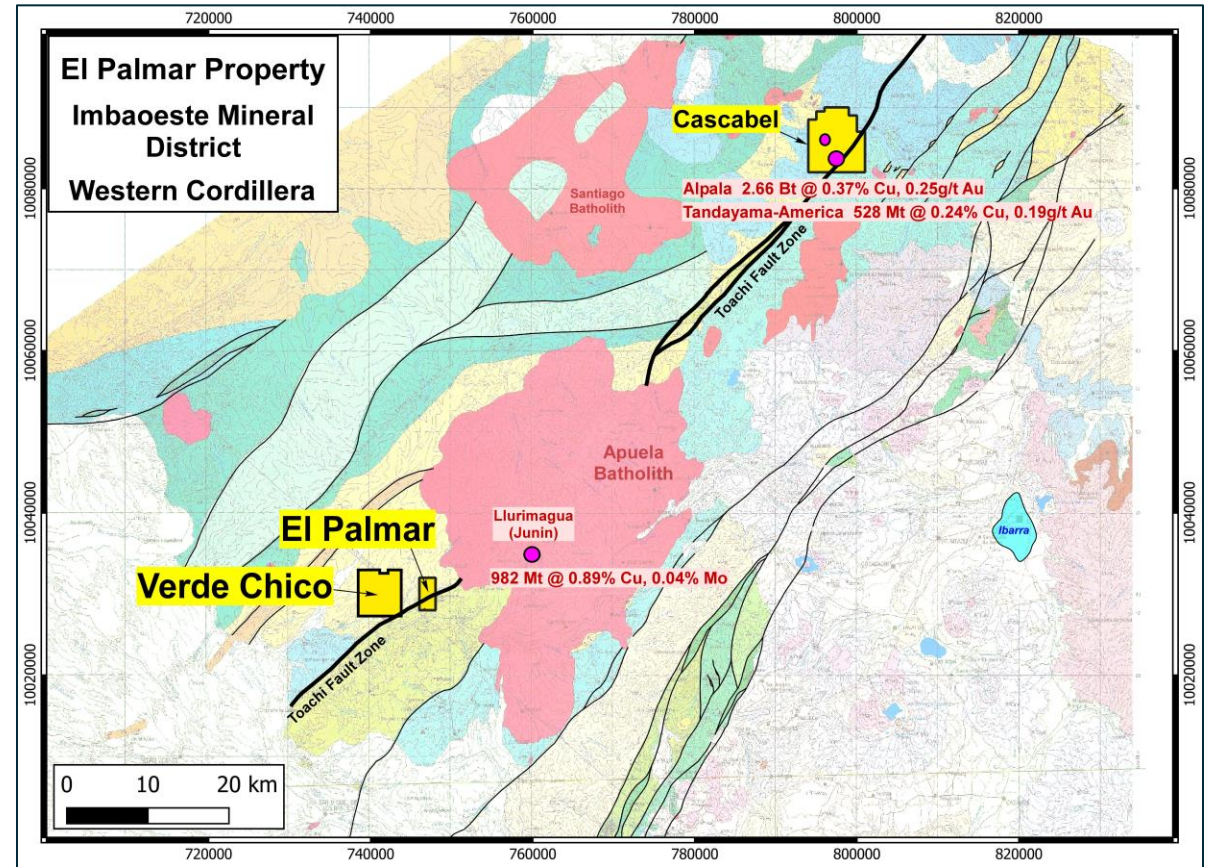
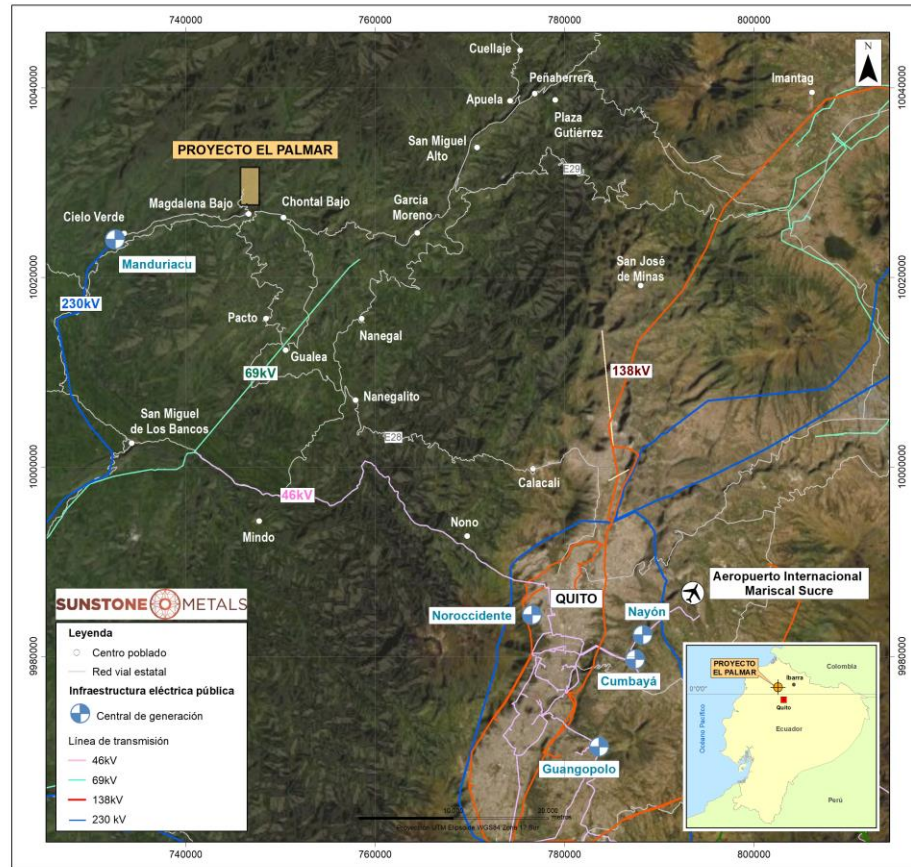
Our aim is to grow the Bramaderos inventory to 10Mozs AuEq with further drilling

And to increase the grade, particularly to define domains of higher grade near surface mineralisation for the ‘front end’ of an operation

Limon results will trigger a review and expected increase in the Exploration Target

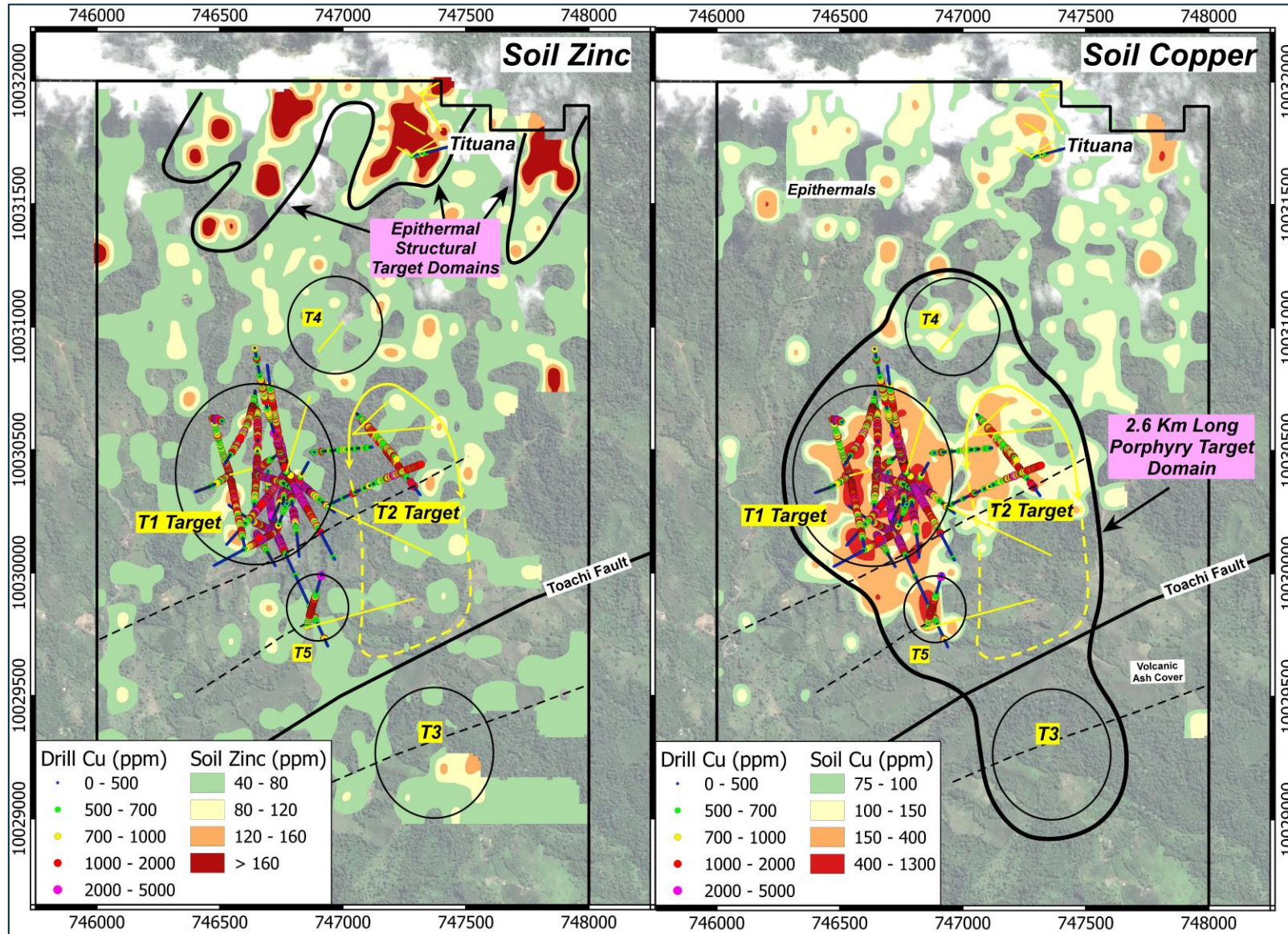
- Due to the effect of rounding, the total may not represent the sum of all components
- See ASX announcement dated 13th December 2022 and slide 23 for full details

El Palmar, northern Ecuador



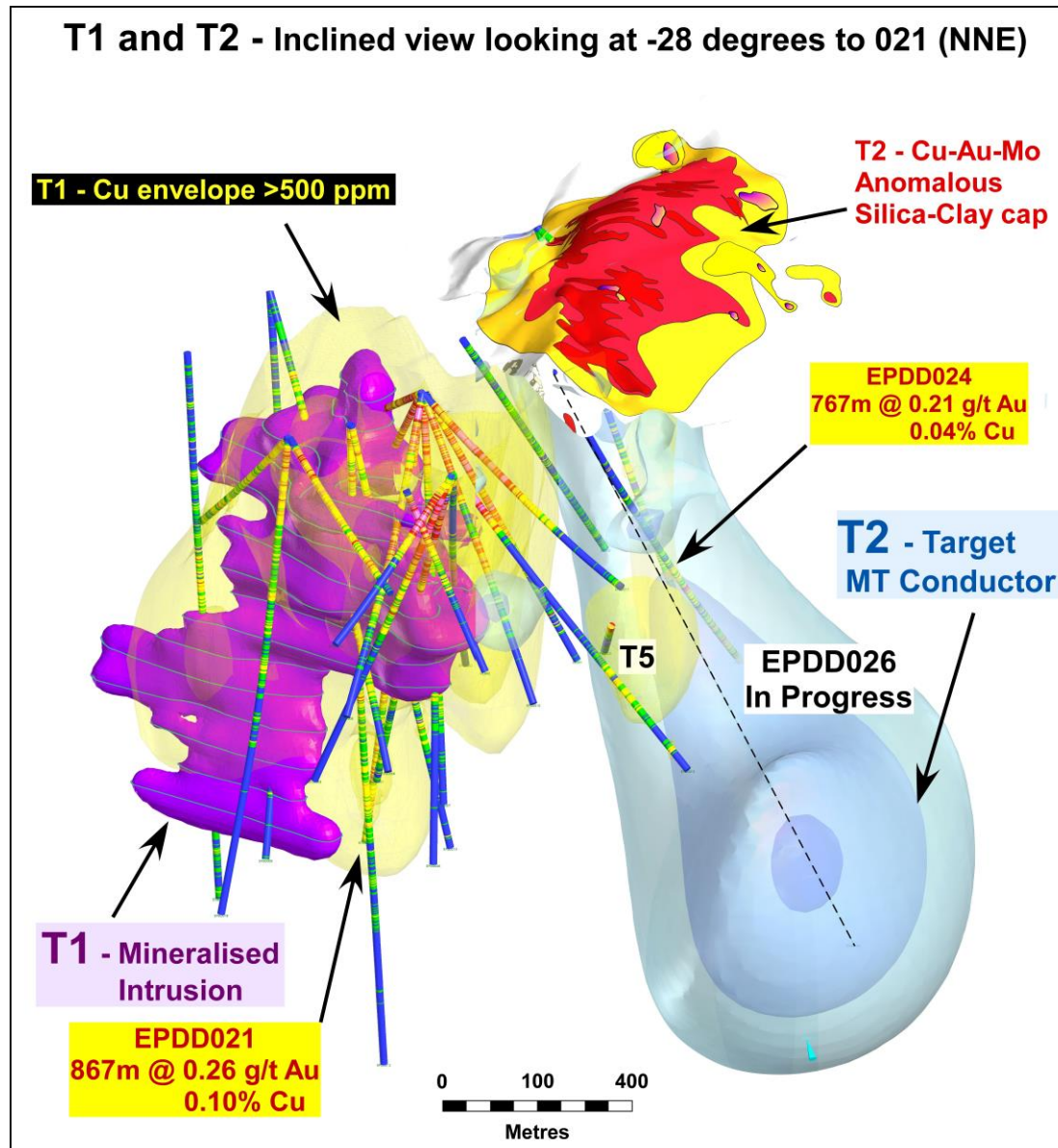
- Highly prospective belt of rocks related to the Toachi Fault Zone
- To date includes the >2.7Bt Alpala copper-gold porphyry deposit at Cascabel, the >0.53Bt Tandayama-America copper-gold porphyry deposit at Cascabel, and the >1Bt Llurimagua copper-moly porphyry deposit
- Together with orthogonal structural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

El Palmar; multiple targets



- Mineralisation from surface
- **At T1**, 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)
- Currently drilling at **T2 and Tituana**
- 2.6km long cluster of porphyry targets identified to date; **T1 to T5**
- Plus, several epithermal targets in northern domain

El Palmar; T1 and T2 gold-copper targets



T1 target; original discovery in 2021

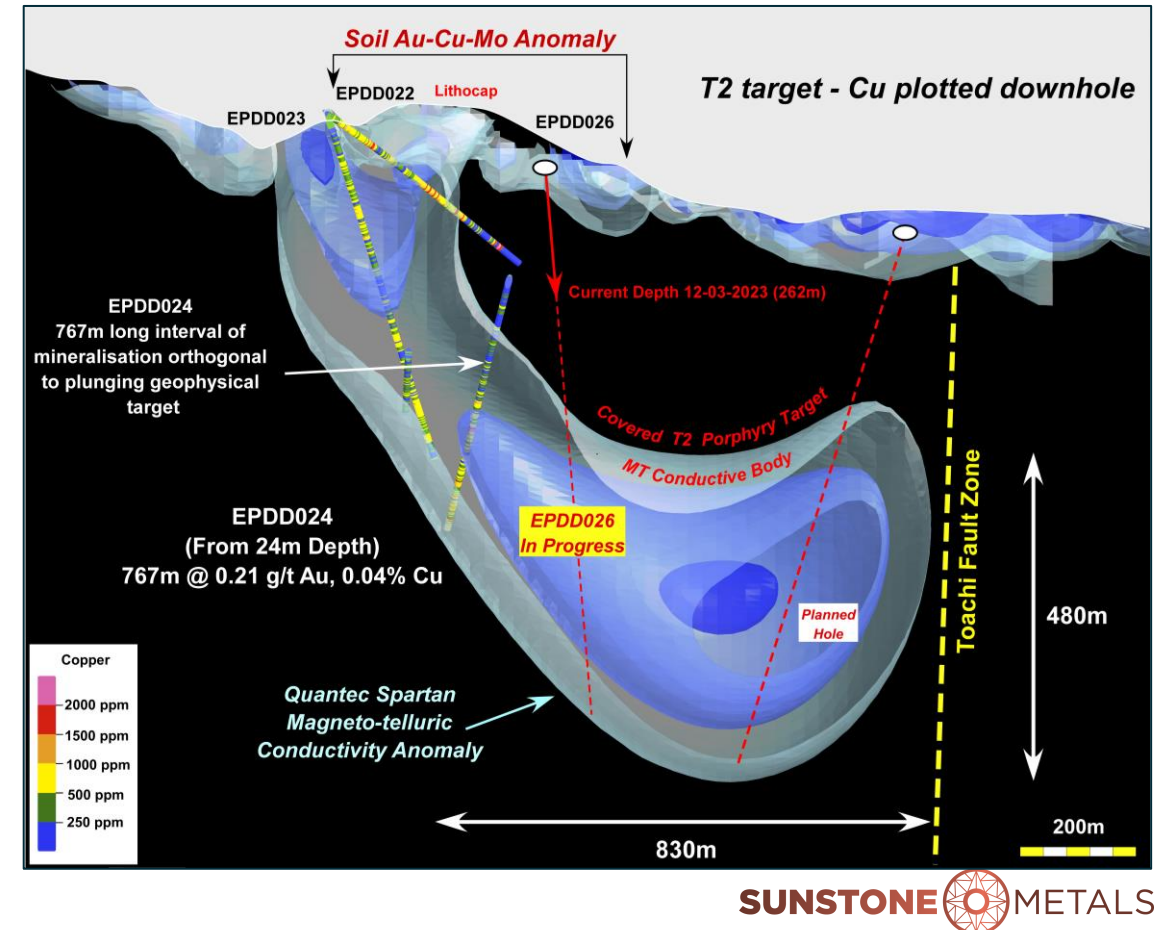
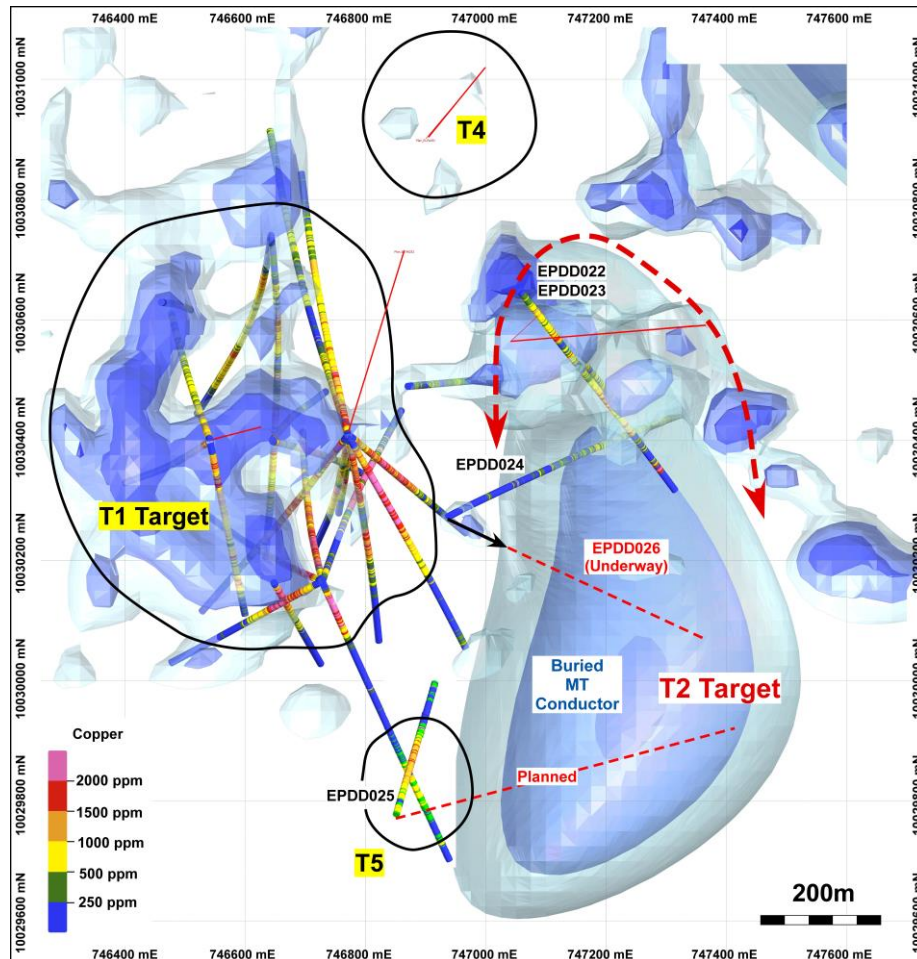
- Gold-copper porphyry deposit mineralised from surface
- Hole EPDD021 intersected mineralisation to a down hole depth of 872m;
 - 866.55m at 0.26g/t gold and 0.1% copper, including
 - Higher grade intervals such as 11.25m (from 501m) of 0.81g/t gold and 0.2% copper
- 3-D model being constructed to enable targeting of next round of drill holes

T2 target; 3 holes drilled, 4th hole in progress

- Porphyry deposit, upper levels gold-copper
- Hole EPDD024 intersected 767m (from 24m) at 0.21g/t gold and 0.04% copper, with higher-grade gold in upper intervals and copper increasing with depth
- Hole EPDD026 in progress, approaching target zone

El Palmar; T2 porphyry gold-copper target

- Mineralisation from surface; outcropping 220m long stockwork zone, epithermal overprint on porphyry
- Very significant MT conductivity anomaly, along trend from increasing copper response in EPDD024
- Bound by regionally significant Toachi fault – a controlling structure to mineralisation at Cascabel, 65km to NE
- Hole EPDD026 in progress and approaching target zone



What's ahead

- ✓ **2023 – deliver new discoveries at both El Palmar and Bramaderos**
- ✓ **Bramaderos**
 - **Limon drilling – follow-up to LMDD017 – will fundamentally change Bramaderos**
 - **Drill to grow Exploration Target**
 - **Drill to convert Exploration Target to Mineral Resources**
 - **Deliver additional discoveries** at Playas, Melonal, Limon, Porotillo
- ✓ **El Palmar**
 - **Deliver additional discoveries** through:
 - **Drill compelling T2 target** – first of 2 drill holes in progress, nearing target zone
 - **Drill other nearby porphyry targets – T3 to T5**
 - **Drill at epithermal targets – Tituana ongoing, then several others**
 - **Continue to drill and expand main mineralised area at T1** beyond 500 x 300m, and to depth
- ✓ **Advance early-stage exploration at Verde Chico**
- ✓ **Move drill rigs to highest priority targets across all projects**

Competent Persons Statement

Competent Persons Statement

The information in this report that relates to Mineral Resources is based on information compiled by Mr Aaron Meakin. Mr Aaron Meakin is a full-time employee of CSA Global Pty Ltd and is a Member and Chartered Professional of the Australasian Institute of Mining and Metallurgy. Mr Aaron Meakin has sufficient experience 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 the Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code). Mr Aaron Meakin consents to the disclosure of the information in this report in the form and context in which it appears.

Exploration Target Competent Person

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

29th March 2023 – Limon epithermal drilling results
16th March 2023 – Drilling commences at T2 porphyry target, El Palmar
18th January 2023 – Limon delivers porphyry discovery
13th December 2022 – Bramaderos MRE and Exploration Target
27th October 2022 – AGM Presentation
20th October 2022 – More wide intersections at Brama-Alba to support initial MRE
27th September 2022 – El Palmar drilling results and new target defined
30th August 2022 – Brama-Alba – best porphyry intersection to date
21st July 2022 – Corporate Presentation
19th July 2022 – Brama-Alba drilling, met test work, resource preparation
29th June 2022 – El Palmar drilling expands gold-copper discovery
21st June 2022 – Sunstone expands land position near El Palmar discovery
1st June 2022 – Brama-Alba, Large and with higher grade zones

About Sunstone Metals

Sunstone has an advanced portfolio of exploration and development projects in Ecuador and Scandinavia. The portfolio comprises:

•**The Bramaderos Gold-Copper Project** where Sunstone owns an 87.5% interest with Cornerstone Capital Resources, a subsidiary of SolGold, holding 12.5% (see ASX announcement dated 10th April 2017, 28th August 2019, and 7 January 2020). The Bramaderos gold-copper project is located in Loja province, southern Ecuador, and is highly prospective for the discovery of large porphyry gold-copper systems, and high-grade epithermal gold systems. The Bramaderos concession is host to multiple fertile mineralised systems with significant discovery potential. The Brama-Alba deposit, within the Bramaderos concession contains an initial Mineral Resource estimate of 156Mt at 0.53g/t AuEq for 2.7Moz gold-equivalent*. In addition to this is the Bramaderos project Exploration Target of between 3.3Moz and 8.6Moz AuEq within 255 to 360Mt at a grade between 0.40 and 0.74g/t AuEq (see ASX release dated December 13, 2022).

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Total	156	0.35	0.11	1.3	0.53	2.7

The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement for the Mineral Resource estimate and Exploration Target referred to above and, that all material assumptions and technical parameters underpinning the estimates continue to apply and have not materially changed. 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 announcement.

The potential quantity and grade of the Exploration Target is conceptual in nature. There has been insufficient exploration to estimate a Mineral Resource for the target area reported. It is uncertain if further exploration will result in the estimation of a Mineral Resource.

*The gold equivalent calculation formula is $\text{AuEq(g/t)} = (\text{Au grade} \times \text{Au price} \times \text{Au recov} / 31.1035) + (\text{Ag grade} \times \text{Ag price} \times \text{Ag recov} / 31.1035) + (\text{Cu grade} \times \text{Cu price} \times \text{Cu recov} / 100) / (\text{Au price} \times \text{Au recov} / 31.1035)$. The prices used were US\$1,800/oz gold and US\$9,500/t copper and US\$22/oz silver. Recoveries are estimated at 89% for gold, 85% for copper, and 60% for silver based on metallurgical studies. In Sunstone's opinion all the elements included in the metal equivalents calculation have reasonable potential to be recovered and sold.

•**The El Palmar Copper-Gold Project** where Sunstone holds 70% of the highly prospective 800ha El Palmar gold-copper porphyry project in Ecuador. Sunstone can acquire 100% through a Staged Acquisition Agreement. A Staged Acquisition Agreement to acquire the nearby Verde Chico Project has also been signed. The El Palmar and Verde Chico gold-copper projects are located in Imbabura province, northern Ecuador, within the same geological belt that includes the giant Alpala, Tandayama-America and Llurimagua porphyry copper-gold and copper-molybdenum deposits.

SUNSTONE METALS



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