



Hannanmetals

COPPER | SILVER | GOLD PERU

*DEFINING LARGE MINERALIZING SYSTEMS
IN PERU'S NEW FRONTIER AREAS*

Corporate Presentation
October 2022



Hannanmetals

TSXV : HAN | OTC: HANNF

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Qualified Person: The qualified person for Hannan’s projects, Michael Hudson, CEO for Hannan, and a Fellow of the Australasian Institute of Mining and Metallurgy, has reviewed and verified the contents of this presentation.



Why HAN:TSXV?

- 1. First mover - Secured “big company” land position:**
 - San Martin sediment-hosted copper-silver
 - Valiente porphyry copper-gold
- 2. Top 10 Peru tenure holder**
- 3. Japanese Government Joint Venture (JOGMEC)**
 - US\$35M - 1/3 of ground position at San Martin
 - Teck 9% equity
- 4. Team of discoverers and value creators**

Capital Structure



INSIDERS:

SHARES ON ISSUE:

FULLY DILUTED:

RECENT PRICE:

MARKET CAP:

CASH:

ENTERPRISE VALUE:

HAN

HANNF

14%

102.0 M

106.8 M

C\$0.29 (05 Oct 22)

C\$29.6 M

C\$3.5 M

C\$26.0 M



Stock Options	Price	No. of Securities
Expiring January 23, 2023	\$0.25	3,295,000
Exp ring May 28, 2023	\$0.28	100,000
Expiring July 21, 2023	\$0.44	250,000
Expiring August 11, 2023	\$0.455	250,000
Expiring September 4, 2023	\$0.13	250,000
Expiring October 8, 2023	\$0.365	100,000
Expiring December 2, 2023	\$0.435	100,000
Expiring June 14, 2024	\$0.285	275,000
Expiring October 4, 2024	\$0.285	30,000
Expiring December 3, 2024	\$0.235	120,000

Directors & Officers



Michael Hudson (Chairman & CEO): *B.Sc. (Hons), GDipAppFin, FAusIMM, MAIG*



Lars Dahlenborg (President): *MSc. MAIG*



David Henstridge (Director): *B.Sc. (Hons), FAusIMM, MAIG, MGSAust*



Georgina Carnegie (Director): *B.Com, AM Harvard*



Ciara Talbot (Director): *B.Sc. (Honours)*



Nick DeMare (Director): *CPA, CA*



Mariana Bermudez (Corporate Secretary)

Hannan is managed by a group with careers built in the exploration industry.

In recent years, the group has raised more than US\$100M for European and Peruvian exploration and development.

Hannan management is highly experienced with a long history of working in Peru.

SOCIAL MANAGEMENT ESG

*Genuinely
Mission Critical*



Peru Top 10 Tenure Holder



Big company land position:

2,093 sq km

The top ten Peruvian tenure holders average US\$50B market capitalization and combined hold 18.0% of the tenure held in Peru



Top ranked Peruvian tenure holders at the end of April 2021, considering granted mining concession and application. The table highlights ranked area under tenure and market capitalization. Source: <https://geocatmin.ingemmet.gob.pe/geocatmin/>

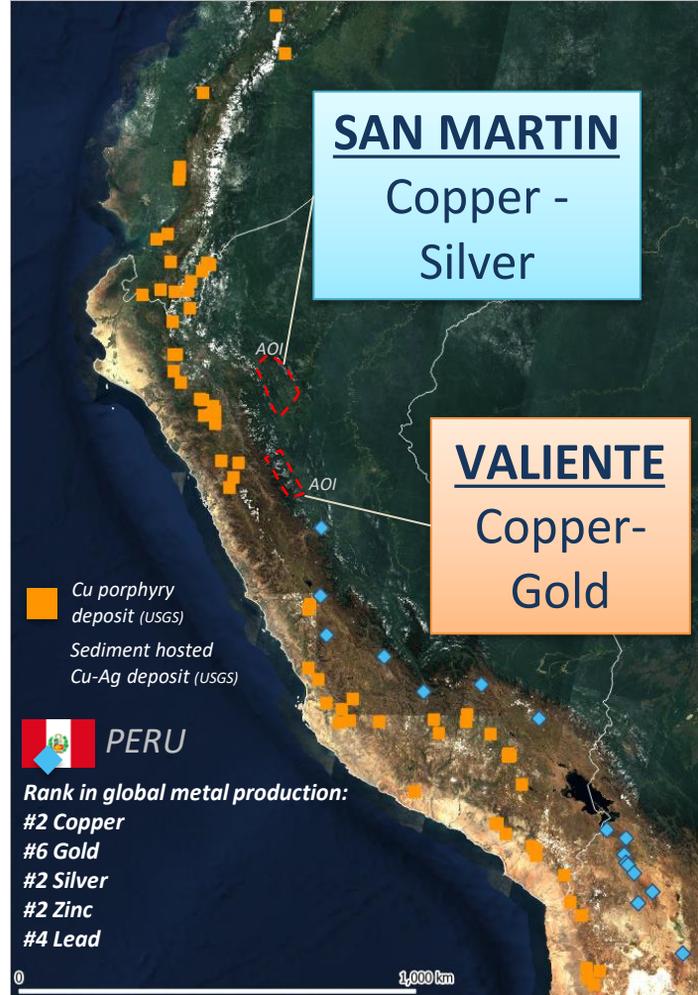
Hannan in Peru

SAN MARTIN

- Sediment Hosted Copper-Silver
- Opportunity to discover a new sediment hosted copper basin

VALIENTE

- Discovered a new Miocene age porphyry copper-gold belt



San Martin – Cu-Ag Sediment Hosted

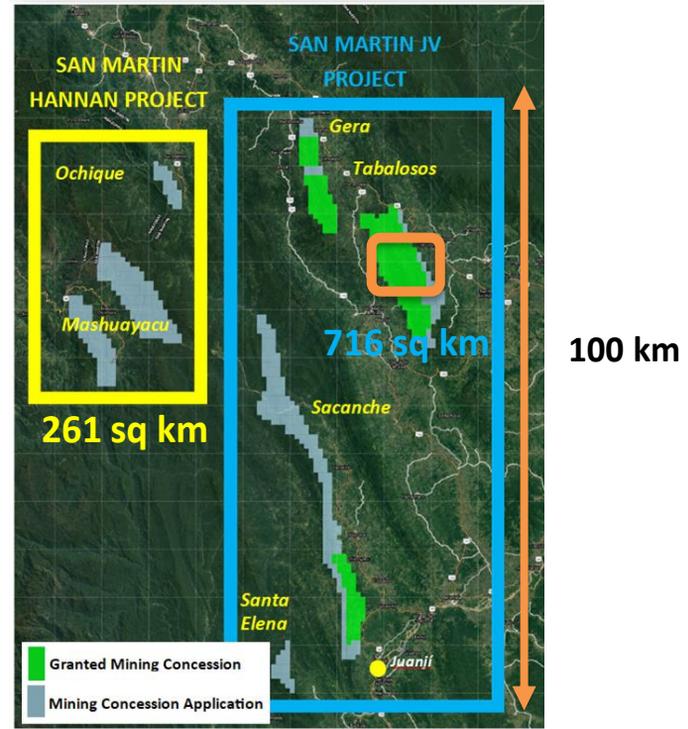
- ✓ Kupferschiefer in Poland analogue
 - ✓ No. 1 global silver producer
 - ✓ No. 7 global copper producer
- ✓ Widths and grade at San Martin (**0.9 metre @ 1.9 % copper and 27 g/t silver**) from 105 channels within 8 km by 1 km
 - ✓ Compares with drill discovery of the Kupferschiefer

In 1957 the discovery drillhole intersected 2.0 metres @ 1.5% copper at 657 metres depth



San Martin Sediment Hosted Copper-Silver

- ✓ 716 sq km – JOGMEC JV option to earn 75% by spending US\$35,000,000
- ✓ 261 sq km - 100% HAN
- ✓ Basin wide mineralizing process – “pancake”
- ✓ High grade Cu-Ag mineralization



Exploration Methodologies

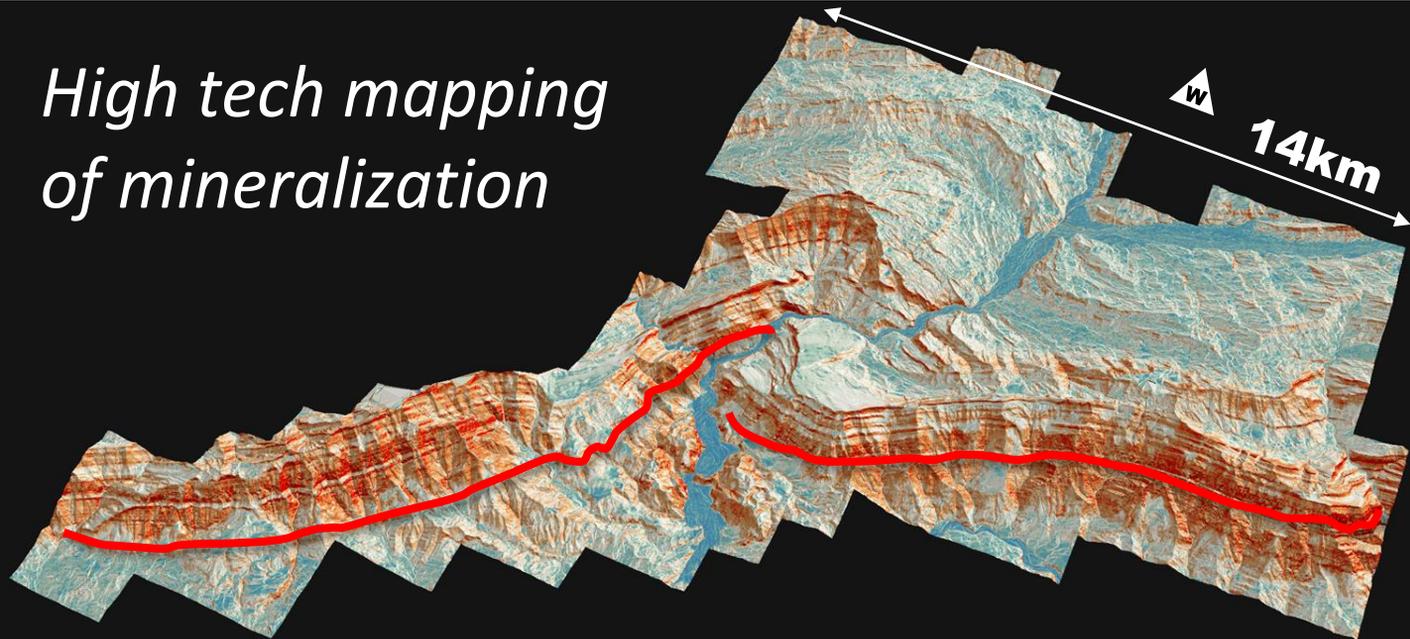


Soil survey:
2.5x6km area
~2500 sample points
125 to 250 m line spacing
10-20 m sample spacing

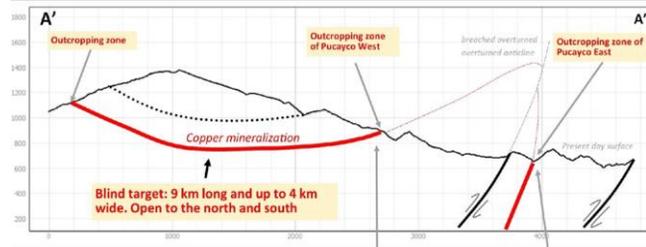
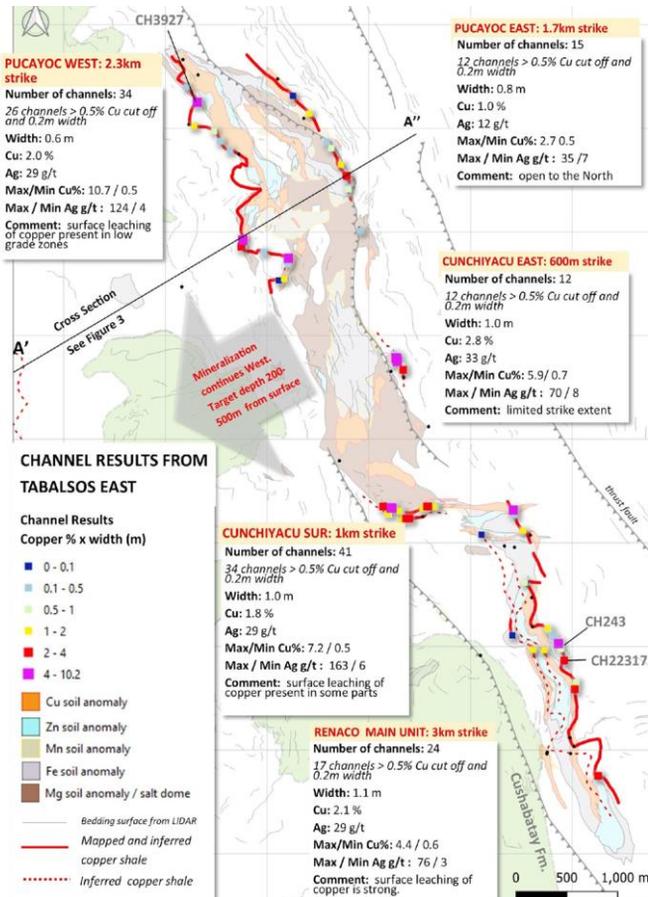
- ✓ Boulders in creeks, stream sediment sampling
- ✓ Systematic soil survey tracking the Cu-Ag shale under the thin overburden. Less than <1% of the bedrock is estimated to outcrop.
- ✓ Mobile analytical technology (multiple pXRFs)
- ✓ 105 channel samples, mapping
- ✓ LiDAR – US\$500K

LiDAR – Machine Learning

*High tech mapping
of mineralization*



TABALOSOS CHANNEL SAMPLING



4% of tenure

✓ Drilling – permitting submitted (archaeological, environmental, social), waiting....Q4 22/Q1 23

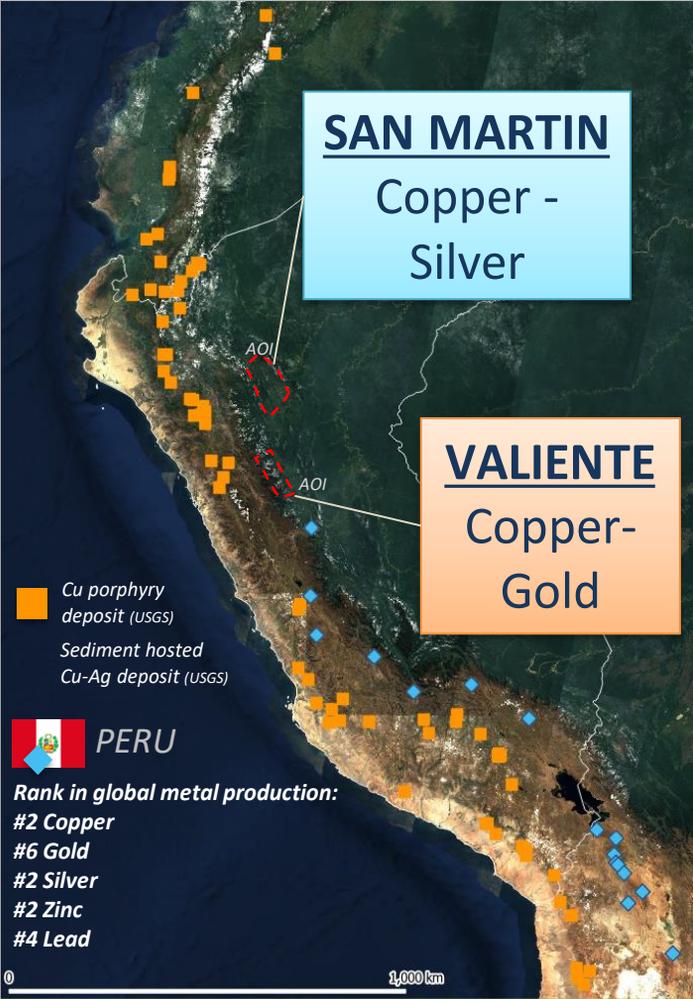
Hannan in Peru

SAN MARTIN

- Sediment Hosted Copper-Silver
- New sediment-hosted copper basin

VALIENTE

- Miocene age porphyry copper-gold belt discovery



Valiente

- ✓ Staked 950 sq km back-arc Miocene age porphyry copper-gold systems in central Peru
- ✓ Emergence of a major new copper-gold mineral camp discovery
 - ✓ 7 mineralized intrusive centers
- ✓ Belen may only represent the first discovery from a series of similar targets within the regional Valiente project
- ✓ Never drilled



Project overview / target areas

PREVISTO:

- 3 intrusive centers
- Gold, copper, molybdenum in intrusive boulders.
- Completed 3 campaigns of reconnaissance work.

DIVISORIA:

- Strong magnetic anomalies and intrusive centers from remote mapping.
- Samples with "high" prospective profile using Sr/Y ratios
- 1-2 days traverses passing the area. No boulders or anomalous BLE

FLOR DE CAFE:

- Distinct magnetic anomaly + intrusive centers from remote mapping with concentric faults
- "V" anomaly in BLEG

BELEN:

- Our key target area and focus of 90% of all work to date. Key areas include:
- Ricardo Herrera porphyry target
- Vista Alegre epithermal target
- Sortilegio porphyry target

SERRANO NORTE

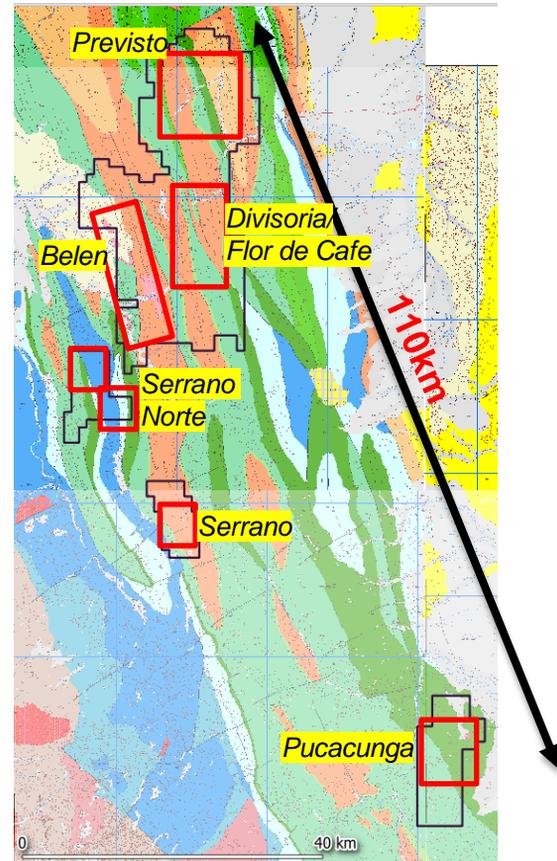
- Distinct intrusive centers from remote mapping coupled with magnetic anomalies.

SERRANO

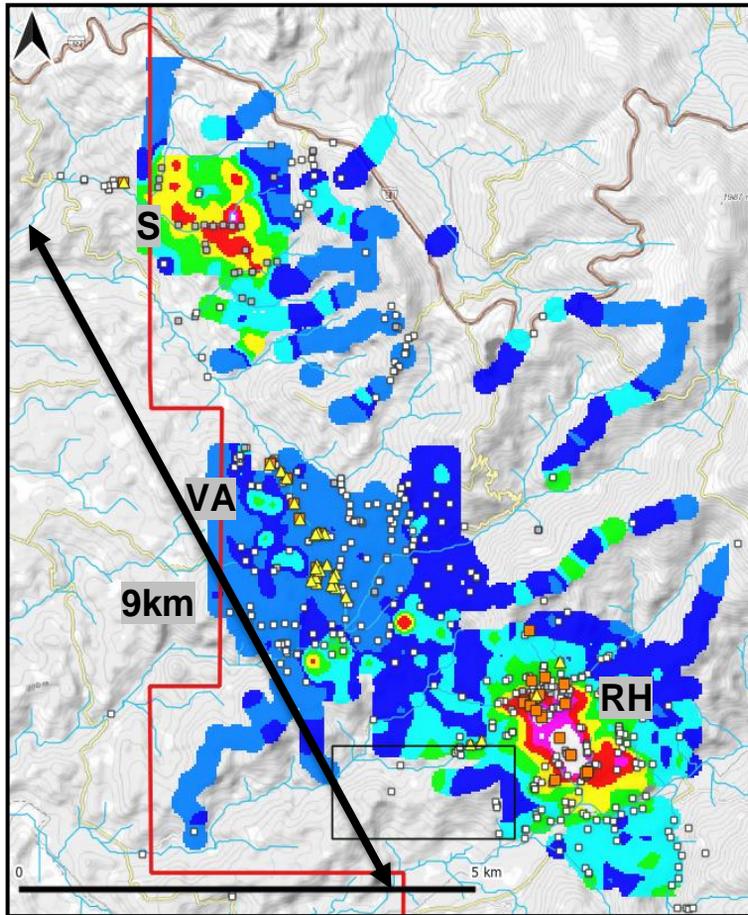
- BLEG and regional magnetic anomalies.

PUCACUNGA

- Strong BLEG and distinct regional magnetic anomaly + boulders in creeks



ROCKS SAMPLES AND Cu SOIL GRID



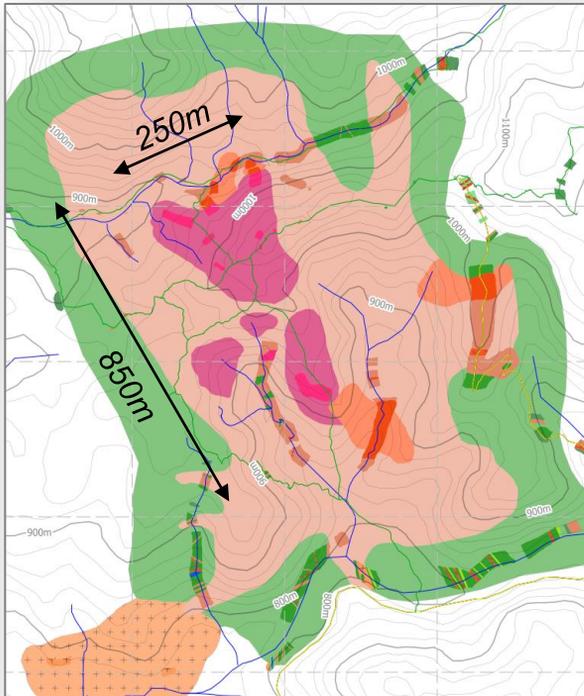
- Results of rocks samples show a big system with trend NW to SE
- Cu anomaly to south east (Herrera)
- Au anomaly for rock samples in the middle (Vista Alegre)
- Potential área to explore in Sortilegio with similar results to Ricardo Herrera

- **S=Sortilegio**
- **VA= Vista Alegre**
- **RH= Ricardo Herrera**

Rocks by ICPMS Cu ppm y FA Au	
✓ □	0 - 500
✓ ▲	Au over 0.1ppm
✓ ■	Cu over 500 ppm
✓ □	No Results

BELEN ZONE – TARGET 1

Ricardo Herrera / San Pablo
Miocene intrusion (15.4Ma)



Quartz Diorite

- Fine to medium grained texture intensely altered to a mass of silica-sericite (grey-greenish)
- Intermediate argillic (cl-ser), potassic alteration relicts (secondary biotite-magnetite).
- “EB” type veinlets -> chlorite in association with py-magnetite-> “M” type veinlets.
- Phyllic (qz-be)
- Few type “A” veinlets.
- Disseminated py >5%
- Pyrite-chalcopyrite-chalcocite-molybdenite-neotocyt mineralization.

BELEN ZONE – TARGET 2 Vista Alegre

Two Au trends in soil data: 2.5km strike

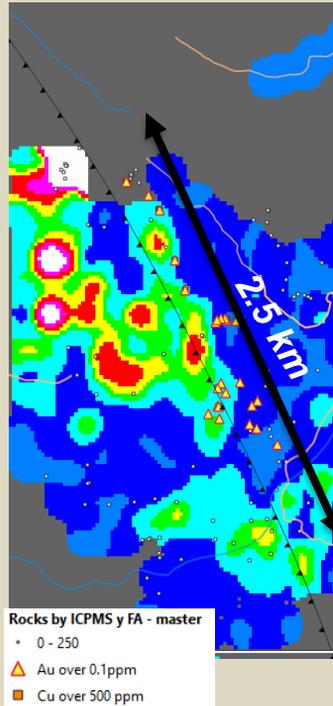
Open along strike

Large gold bearing (1m³) qz-py(cpy) boulders

Unexplained gossan boulders

Up to 1.2 ppm Au in soil (b/c-horizon)

Au bearing boulder samples up to 2.8 ppm Au



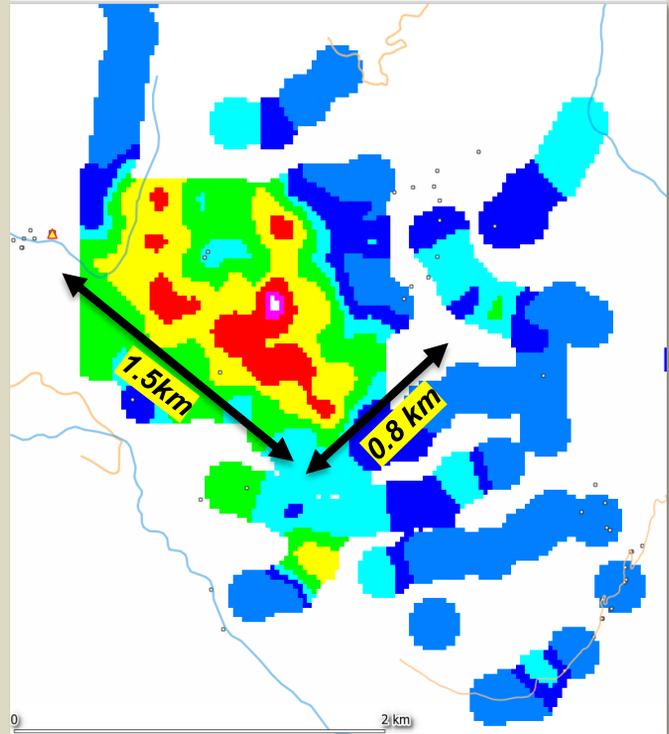
BELEN ZONE – TARGET 3 Sortilegio

**New discovery 6 km
North of Ricardo Herrera**

*Coinciding copper soil anomaly
and magnetic high.*

*Potassic Cu-Au mineralized
boulders in creeks:
0.41 % Cu and 0.16 ppm Au*

*Mapping and channel sampling
is starting in October*



BELEN ZONE – TARGET 3



*Strong
potassic
alteration with
copper and
gold
mineralization*

PREVISTO

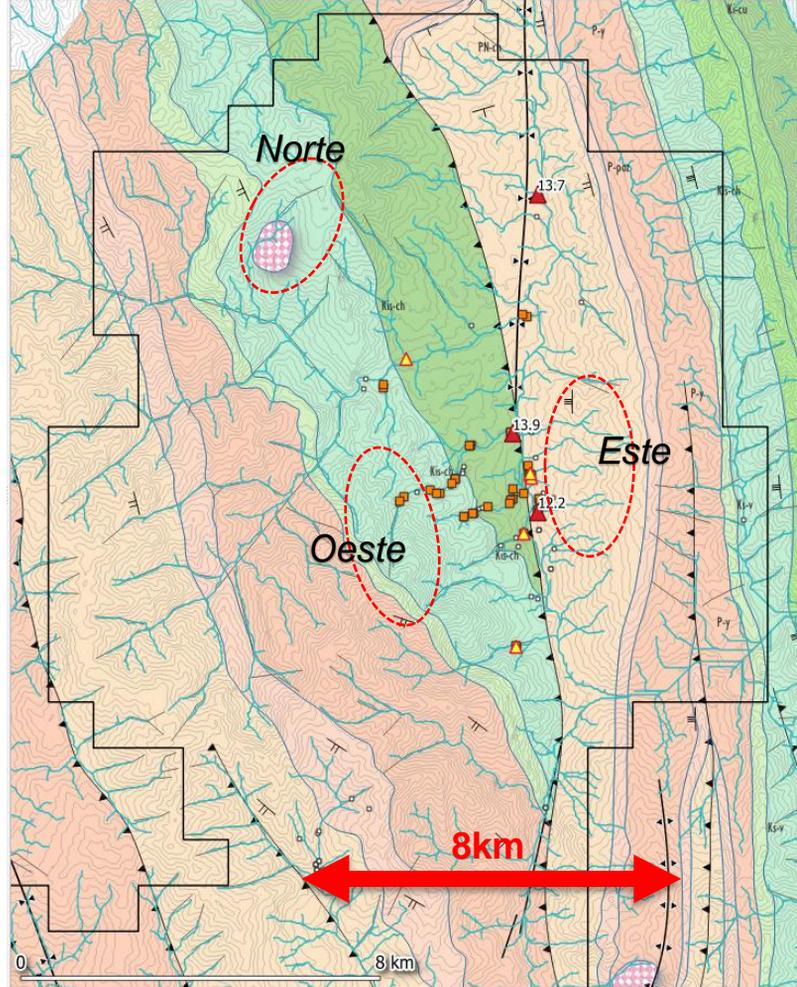
Strong evidence for three separate Miocene age intrusions in a 10x5km area.

Intruding Cretaceous limestone and Pleistocene tuffaceous sandstone

Lithostrucutral interpretation

-  intrusive (Pp-di)
-  salt dome (N-dmsal)
-  Huayabamba Gp Chambira Fmn - sandstone grey/brown (PN-ch)
-  Huayabamba Gp Pozo Fmn - tuffaceous sandstone/siltstone (P-poz)
-  Huayabamba Gp Yahuarango Fmn - sandstone reddish brown (P-y)
-  Vivian Fmn - quartz sandstone (Ks-v)
-  Chonta Fmn - micritic and bioclastic limestone (Kis-ch)
-  Oriente Gp Agua Caliente Fmn - quartz sandstone white/light gray (Ki-ac)
-  Oriente Gp Cushabatay Fmn - quartz sandstone white/yellow (Ki-cu)
-  Oriente Gp - undefined (Ki-o)
-  Sarayaquillo Fmn siltstones gray with coal (Js-s)
-  Pucara Gp dolomitic limestone (TsJi-p)

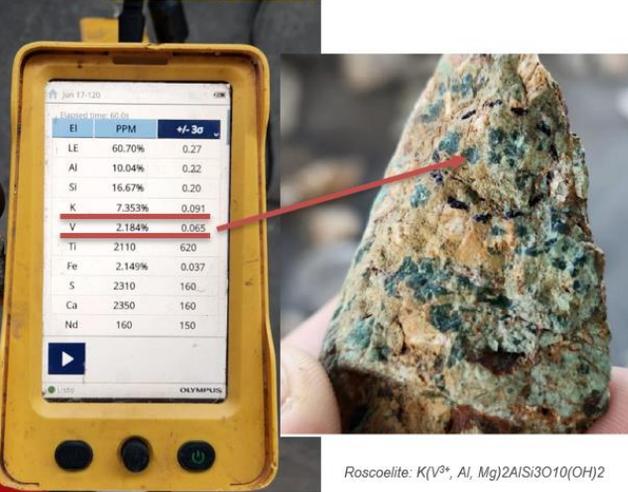
-  U-Pb sample
-  Au >0.1 ppm
-  Cu >500 ppm



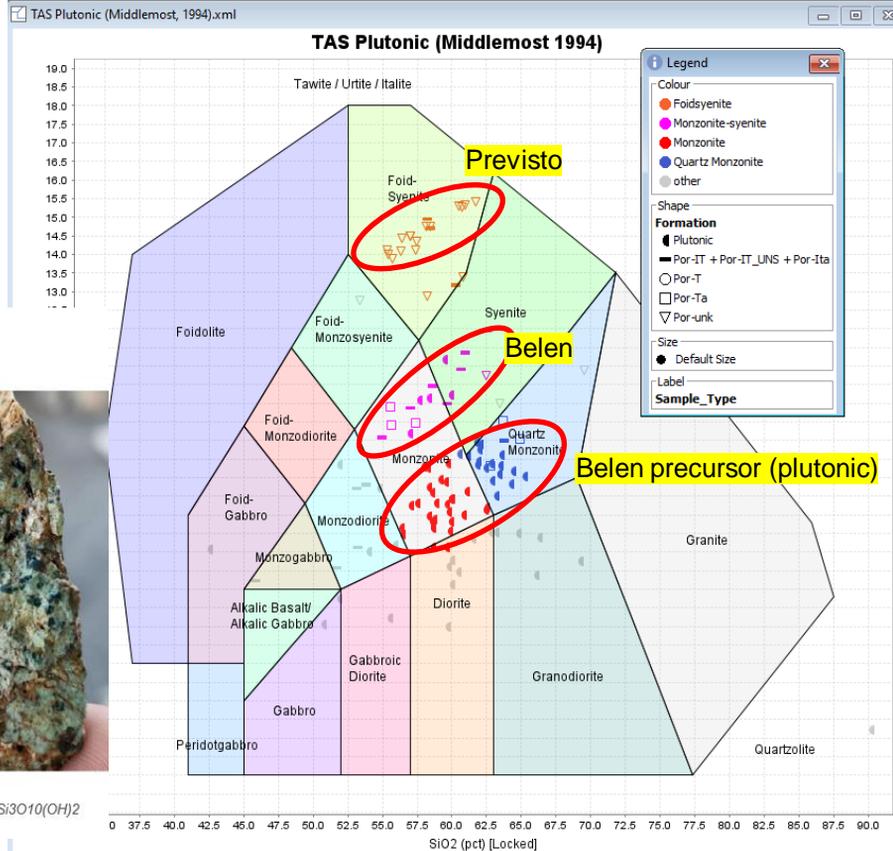
PREVISTO

Litho-geochemistry clearly distinguish this target from the Belen zone with a strong alkalic composition of the porphyry stocks.

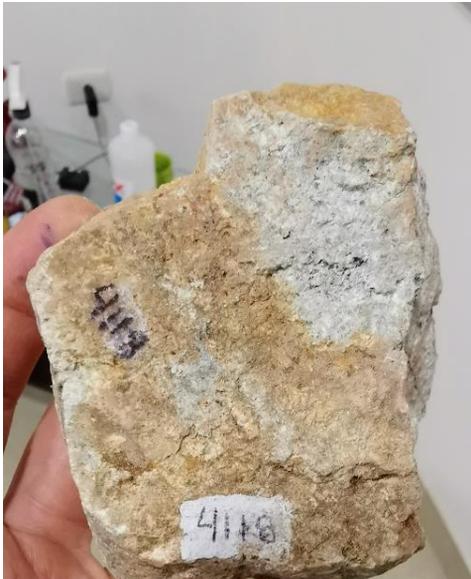
Previsto hand sample – Roscoelite



Roscoelite: $K(V^{2+}, Al, Mg)2AlSi_3O_{10}(OH)_2$



Previsto Este



Supergene mineralization?
Boulder with phyllic alteration
and 1.4% Cu in covellite.
In this area a small float
assayed 25.6% Cu



Breccia boulder with 0.9 g/Au
and >100 g/t Mo

Budget and Work Plan 2022



SAN MARTIN – JOGMEC JV CDN\$2M

- 2022: Build basin scale project, determine continuity at varying scales
- Drill Tabalosos East 2022/23 to test continuity of mineralization at various scales

Valiente – 100 % HANNAN CDN\$2M

- Active field program of 4-6 geologists: Prospecting, mapping, soil sampling, trenching
- Social permitting and stakeholder management
- Regional Aeromagnetics
- First DIA commences Q3

Contact Us



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