

HANNAN METALS

Discovery of large copper and gold mineralizing systems in new frontiers

June 2024



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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.

11 June 2024

Overview

A copper-gold focused exploration company attracting the support of some of the largest players in the copper space

- ✓ Focus on new frontiers ripe for giant discoveries
- ✓ Momentum – first drill permits
- ✓ **Drilling in Chile and Peru 2024.** Anticipating a pipeline of drill ready porphyry-skarn and epithermal targets over the next five years
- ✓ JOGMEC (JV) and TECK (9% equity) partnerships



Valiente (Peru): multiple (up to 18) major copper-gold porphyry, skarn, epithermal systems located in a new, unexplored Miocene belt (100% owned)

San Martin (Peru): high-grade sediment hosted copper-silver analogous to the Central African copper belt (JOGMEC JV)



Cerro Rolando (Chile) a large, blind geophysical porphyry target with fast permitting

Capital Structure

INSIDERS: 14%

SHARES ON ISSUE: 109.6m

FULLY DILUTED: 121.4m

RECENT PRICE: C\$0.425 (10 June 24)

MARKET CAP: C\$38.3m

CASH: C\$1.2m (Feb 29, 2024)

WARRANTS: 3.5m (\$0.35 May 26)



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Options

	Price	No. of Securities
Expiring June 14, 2024	\$0.285	250,000
Expiring October 4, 2024	\$0.285	30,000
Expiring December 3, 2024	\$0.235	50,000
Expiring December 28, 2025	\$0.28	3,453,000
Expiring March 1, 2026	\$0.28	150,000
Expiring August 22, 2028	\$0.25	4,363,500
		8,296,500



Peru: Targeting giant metal districts

Big company land position

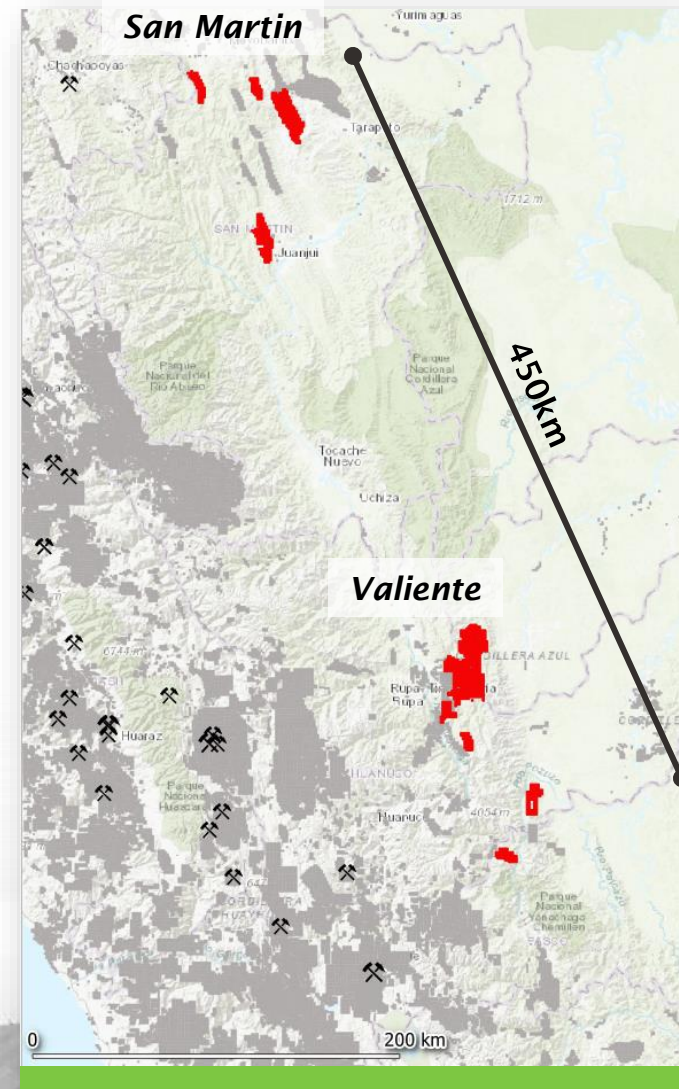
**Hannan Tenure in Peru:
1,686 km²**

Valiente 1,001 km²

Discovery of unexplored Miocene-age porphyry copper-gold belt capable of hosting multiple mineralizing systems

San Martin 685 km²

High-grade unexplored copper basin with key features analogue to the Central African Copper Belt



Investment Highlights

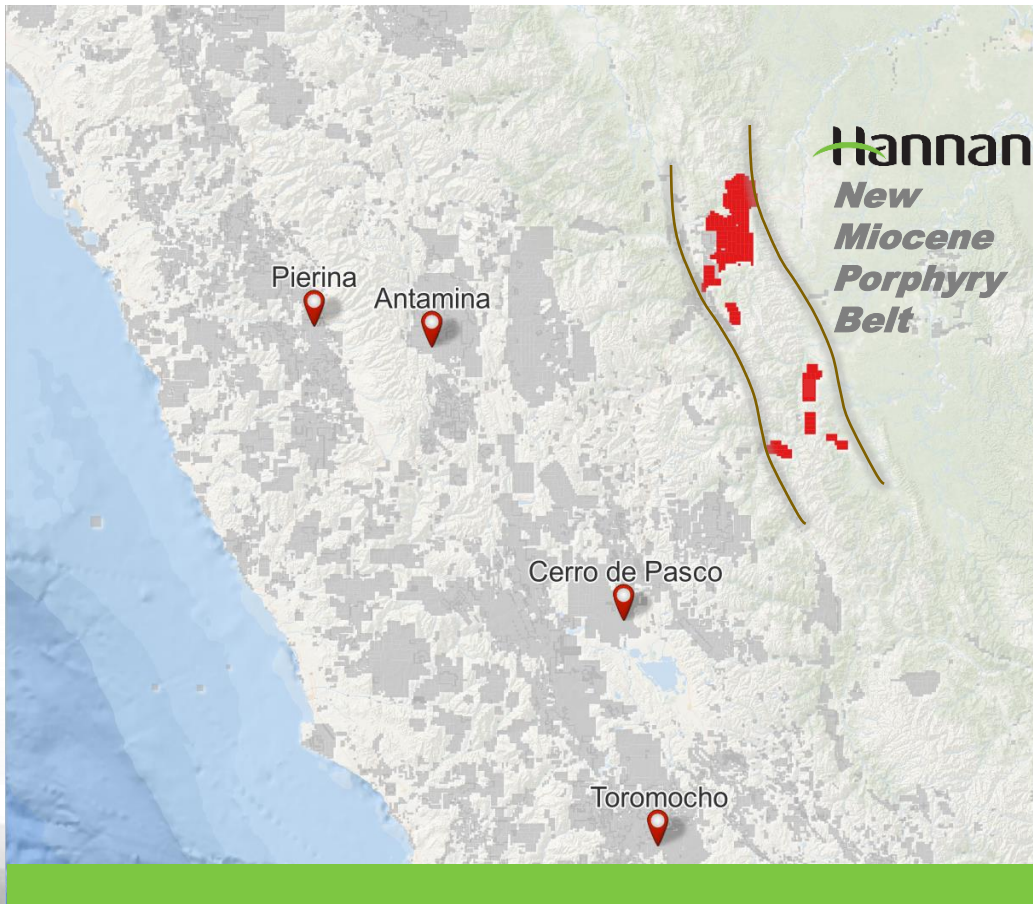
1. First mover and large land position with de-risked drill ready targets
2. Emerging porphyry district with low hanging fruit and potential for giant discoveries
3. Exploration results recognized by strategic investment from Canada's largest mining company and a key joint venture agreement with the Japanese government (JOGMEC) at San Martin, Peru
4. Maiden drill permitting ongoing at both Valiente and San Martin projects in Peru.
5. **Drilling in : CHILE Q2 2024/ SAN MARTIN Q3 2024 / VALIENTE 2025**





Peru – Valiente: A Giant Opportunity

A unique opportunity 100 % owned by Hannan



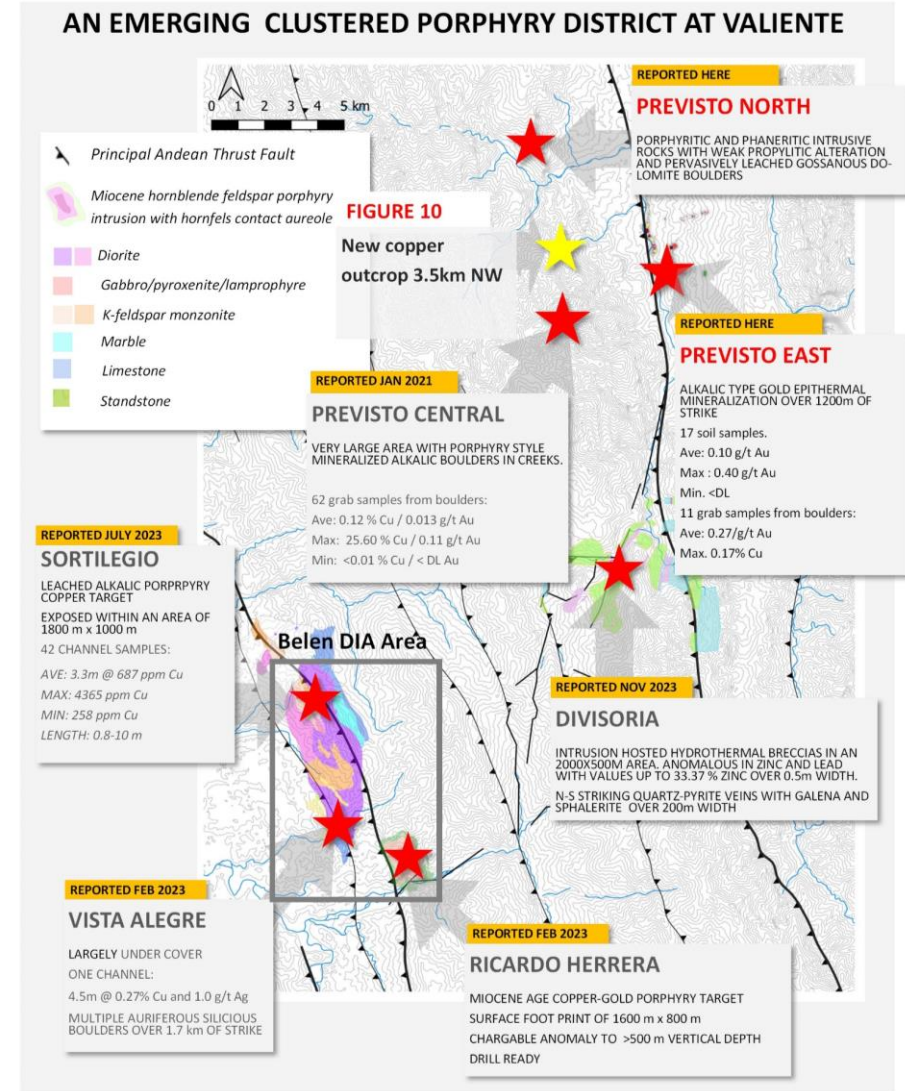
- ✓ The Valiente project is a new a porphyry-epithermal belt discovered by Hannan in 2021 in the central eastern Andes.
- ✓ Cluster of 18 Miocene porphyry intrusions from calc-alkaline to alkaline character across 150 km by 40 km belt
- ✓ Hannan's total tenure 1001 sqkm
- ✓ Plan to sequentially derisk, permit and drill multiple porphyry centres over the next 5 years



Peru – Valiente Porphyry Cluster

A giant metal district in pre-discovery stage

- ✓ Footprint comparable to giant porphyry districts in the Andes
- ✓ Multiple intrusive events peaking at 21Ma, 15ma and 11Ma (Miocene-age – key timing in Andes)
- ✓ Mineralized porphyry/skarn/epithermal targets identified in at least 18 areas across the whole belt.
- ✓ Pipeline of exploration targets that will deliver sequential drill results over multiple targets over the next 2-5 years.



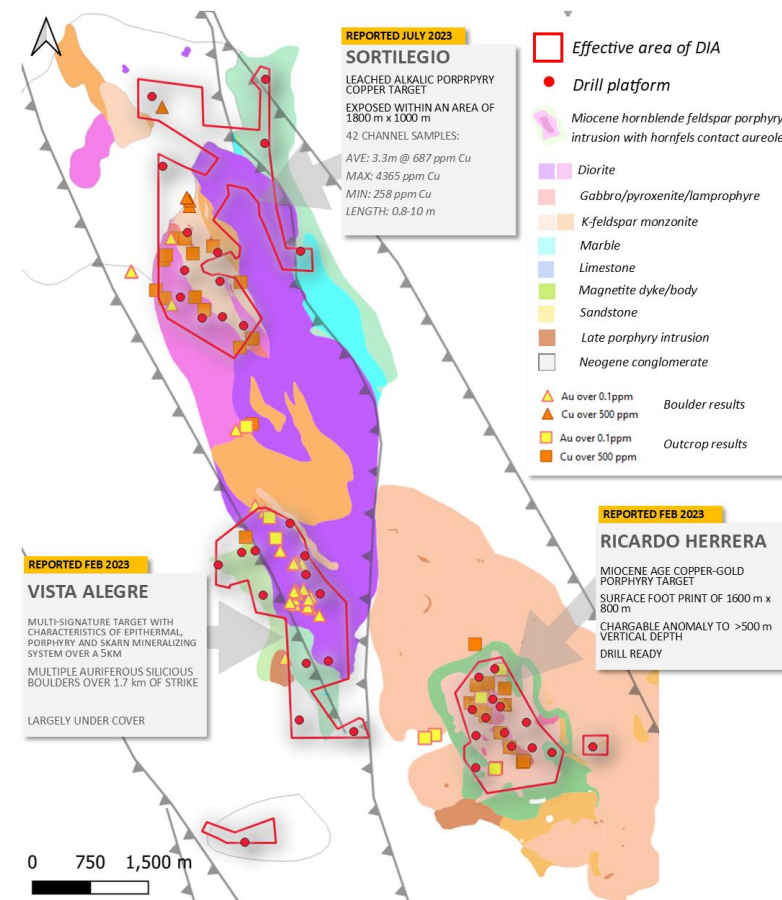


Peru – Valiente Belen Prospect

Maiden program is permitting multiple targets over 17 x 4 km corridor

- ✓ Ricardo Herrera: leached copper-gold porphyry, with well-developed quartz veining at upper topographic levels and evidence for an enriched chalcocite
- ✓ Vista Alegre: 1.8 km long gold-bearing epithermal target area identified by large gold mineralized boulders of quartz-pyrite and iron oxides as well as strongly gold anomalous soil samples, IP
- ✓ Sortilegio: high-grade system with assays up to 16.0% Cu and 4.4 g/t Au from a porphyry

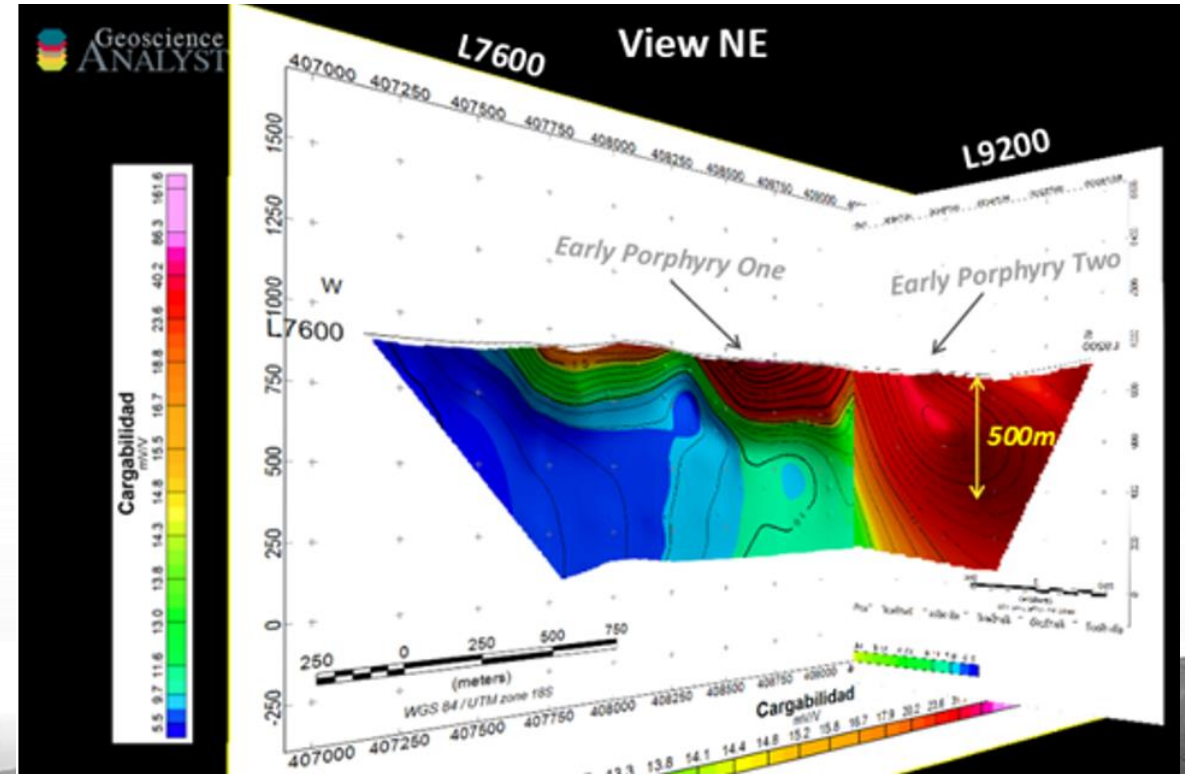
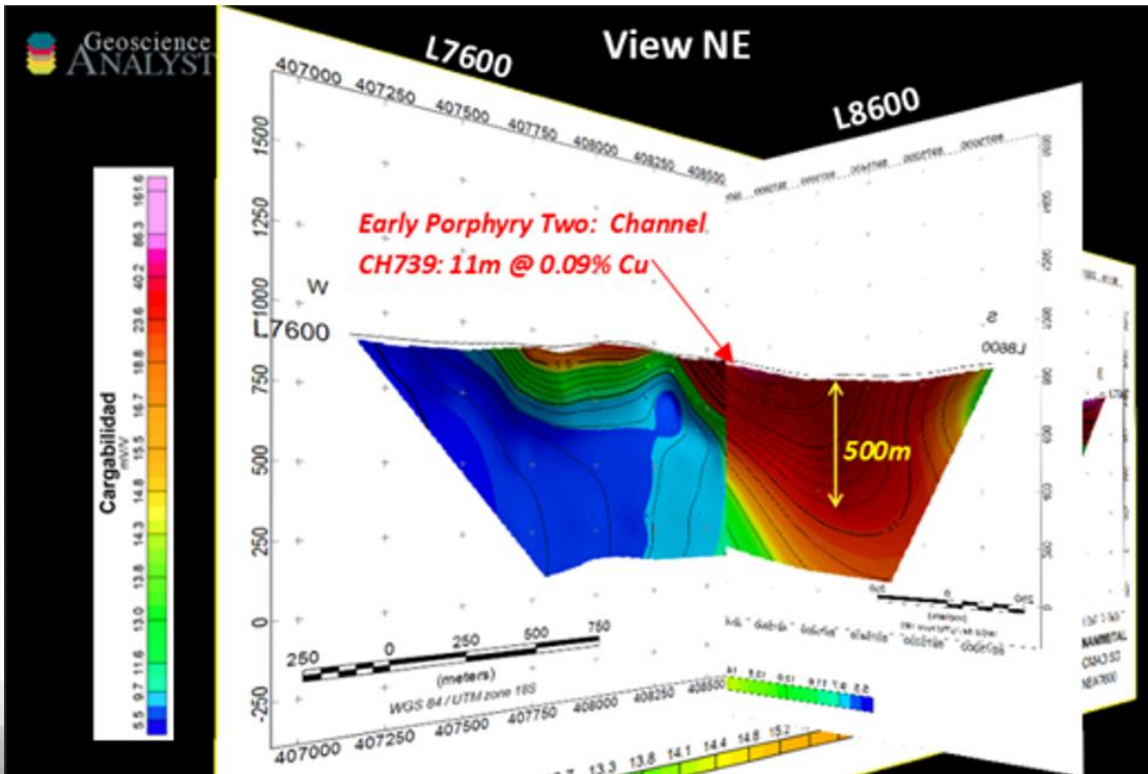
The Valiente Project - Drill Permitting





Peru – Valiente Ricardo Herrera Cu-Au Porphyry Target

The IP Pole-Dipole geophysical survey defined a larger combined chargeable and resistivity zone over an area of 800 m by 600 m on surface, and to at least 500 m depth, to the maximum depth limits of the survey.





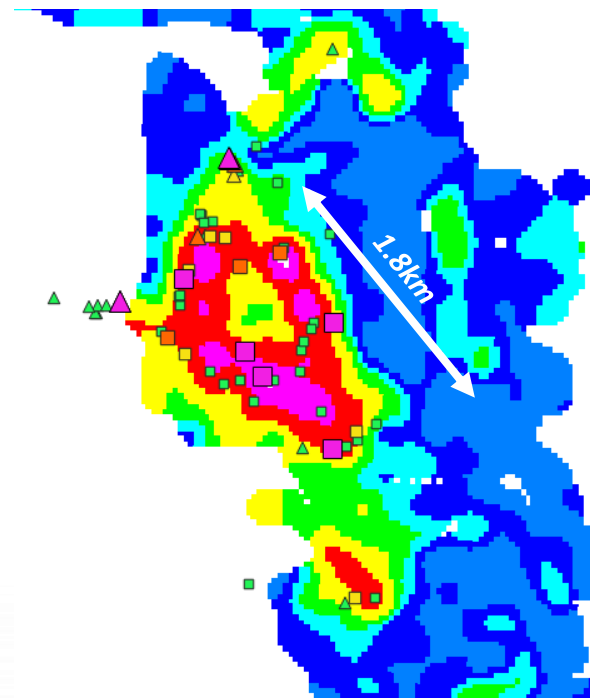
Peru – Valiente Belen Prospect

Channel results

- ✓ 71 channels completed to date in creeks where best exposure of bedrock is exhibited.
- ✓ Total length sampled: 449m
- ✓ Channel sampling were focused on 6 core zones where the intensity of stockwork veinlets was the greatest.
- ✓ 42 channels have been taken from the 6 zones with >20 veinlets / meter. Of these 38 channels have composite values of 2.54m @ 788 ppm Cu and with a maximum of 4365 ppm Cu and minimum of 258 ppm Cu with a length from 0.8m to 10m



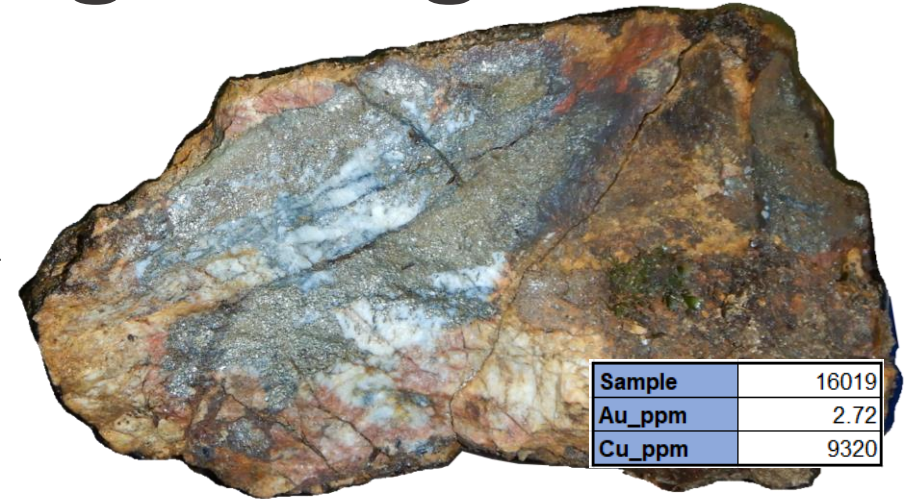
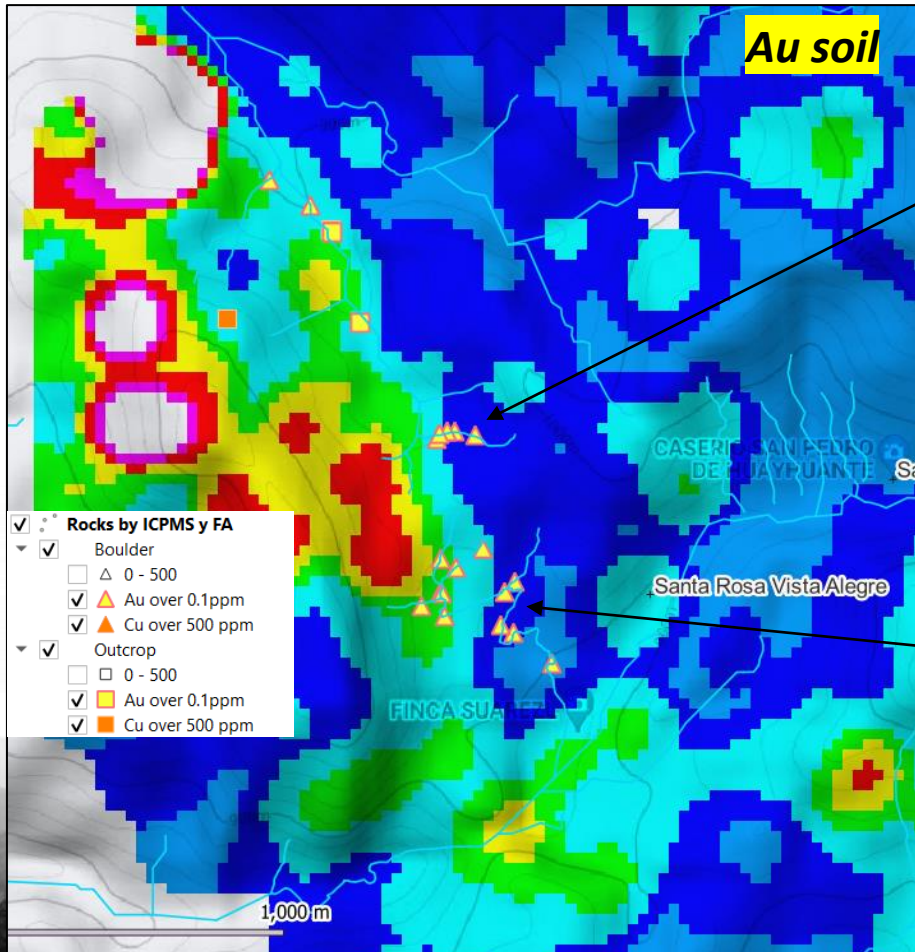
Results Copper soil samples



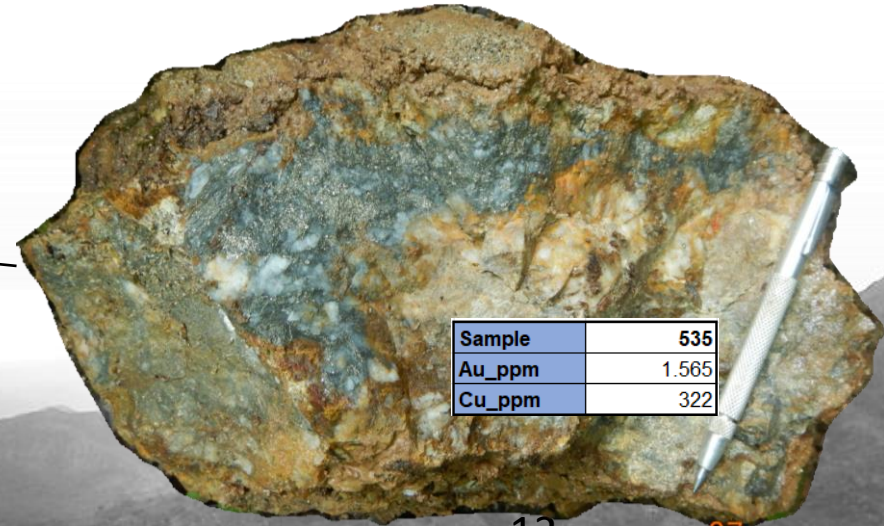


Peru – Valiente Vista Alegre Target

Epithermal gold target with combined 3km of strike



Sample	16019
Au_ppm	2.72
Cu_ppm	9320



Sample	535
Au_ppm	1.565
Cu_ppm	322

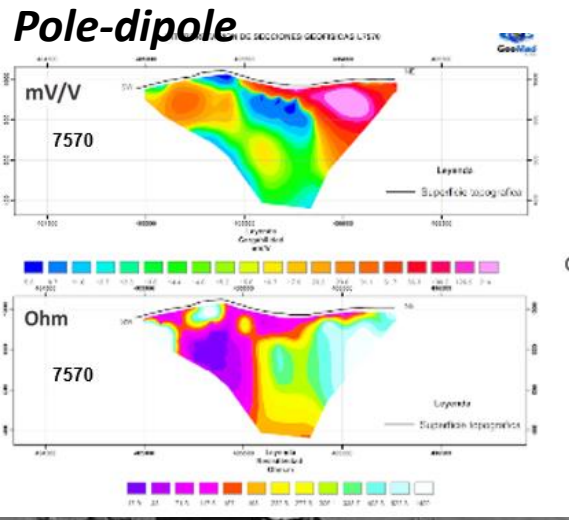
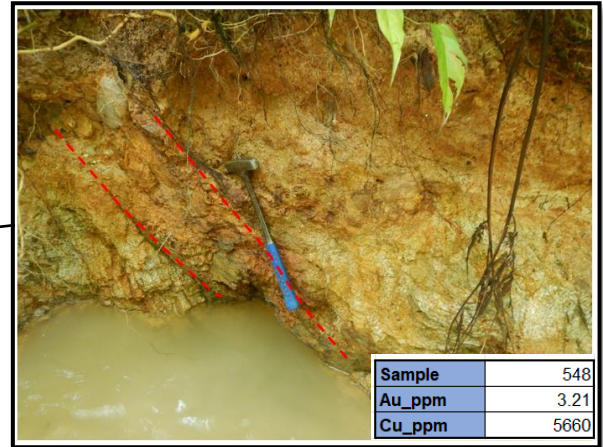
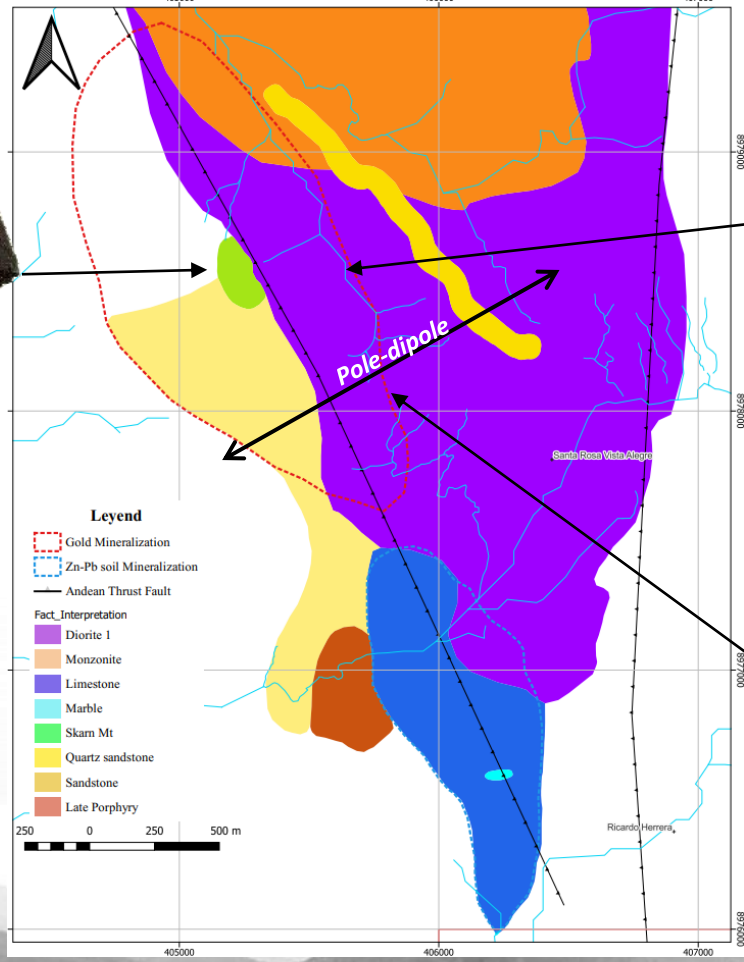


Valiente – Belen Zone – Vista Alegre Target

Local geology

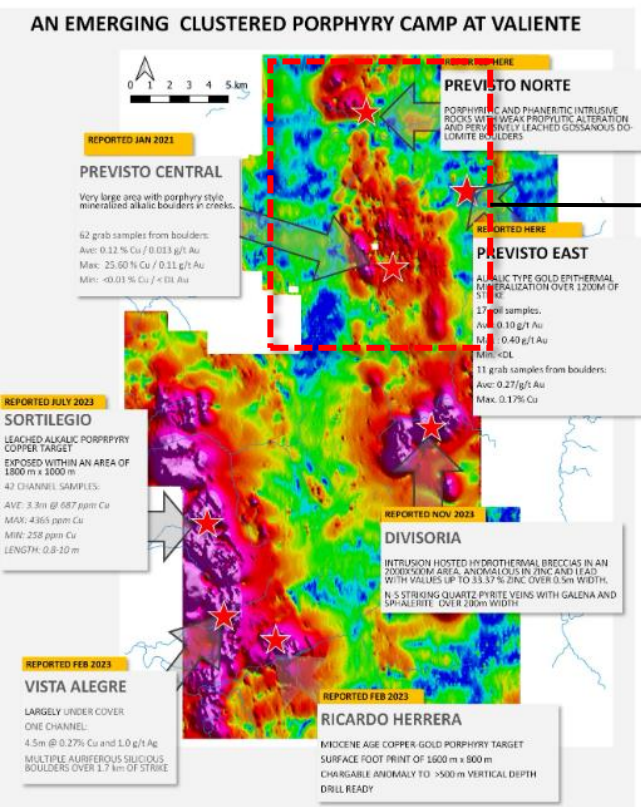


Sample	14001
Cu_ppm	257
Au_ppm	0.011
Zn_ppm	109

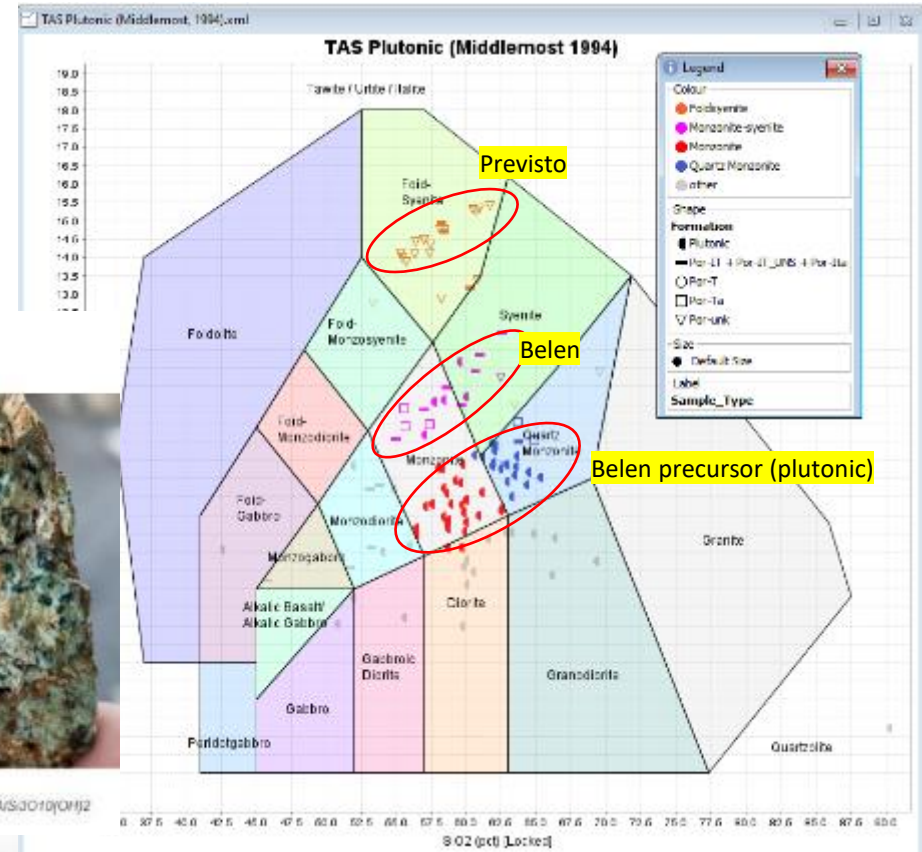
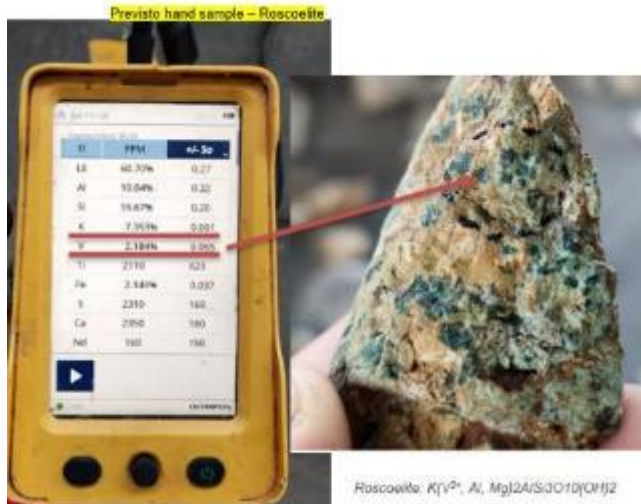




Valiente – Previsto Target

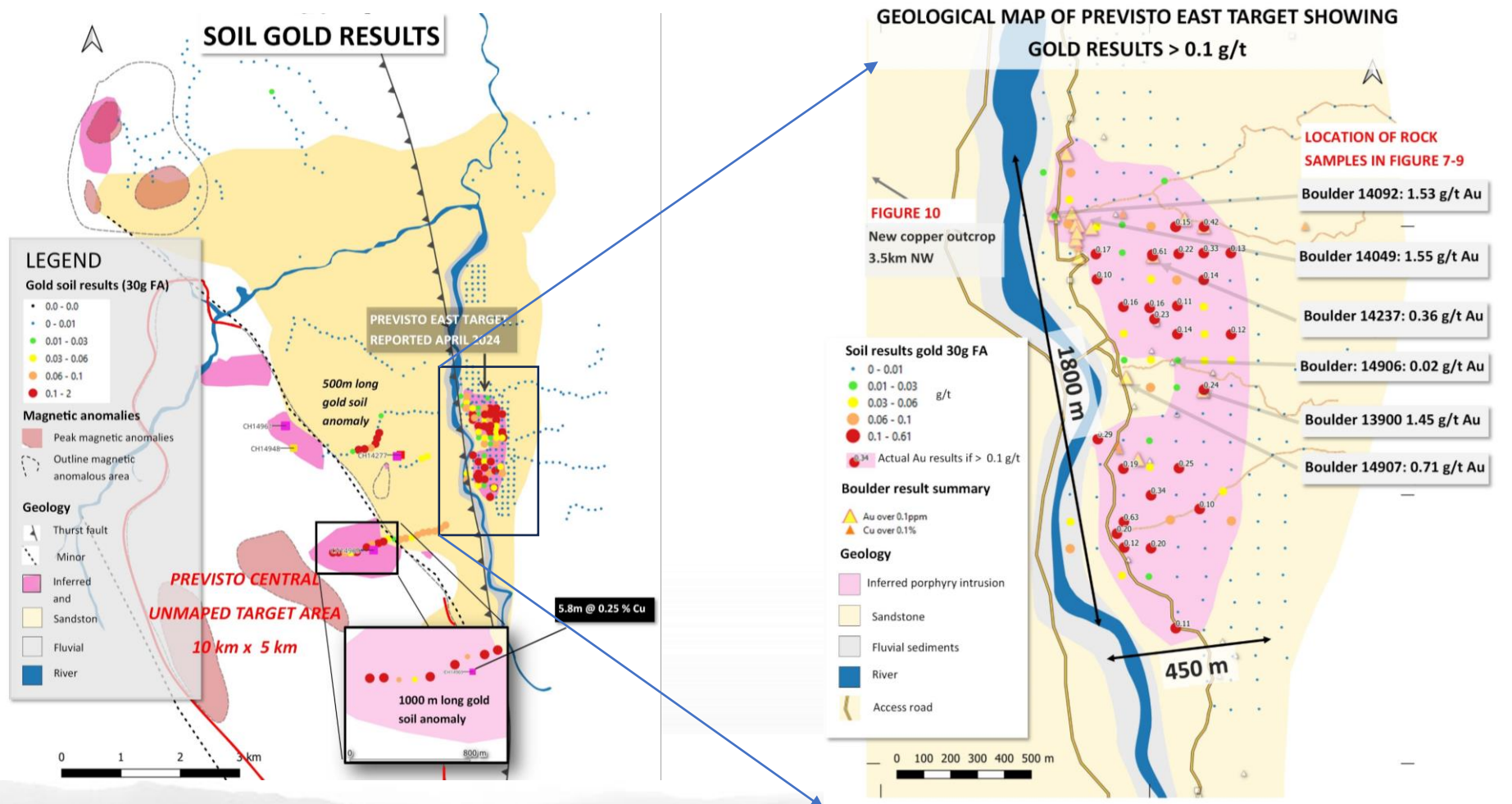


Litho-geochemistry distinguish this target from the Belen zone with an alkaline composition of the porphyry stocks.





Valiente – Previsto Target





Peru – San Martin Cu-Ag Project

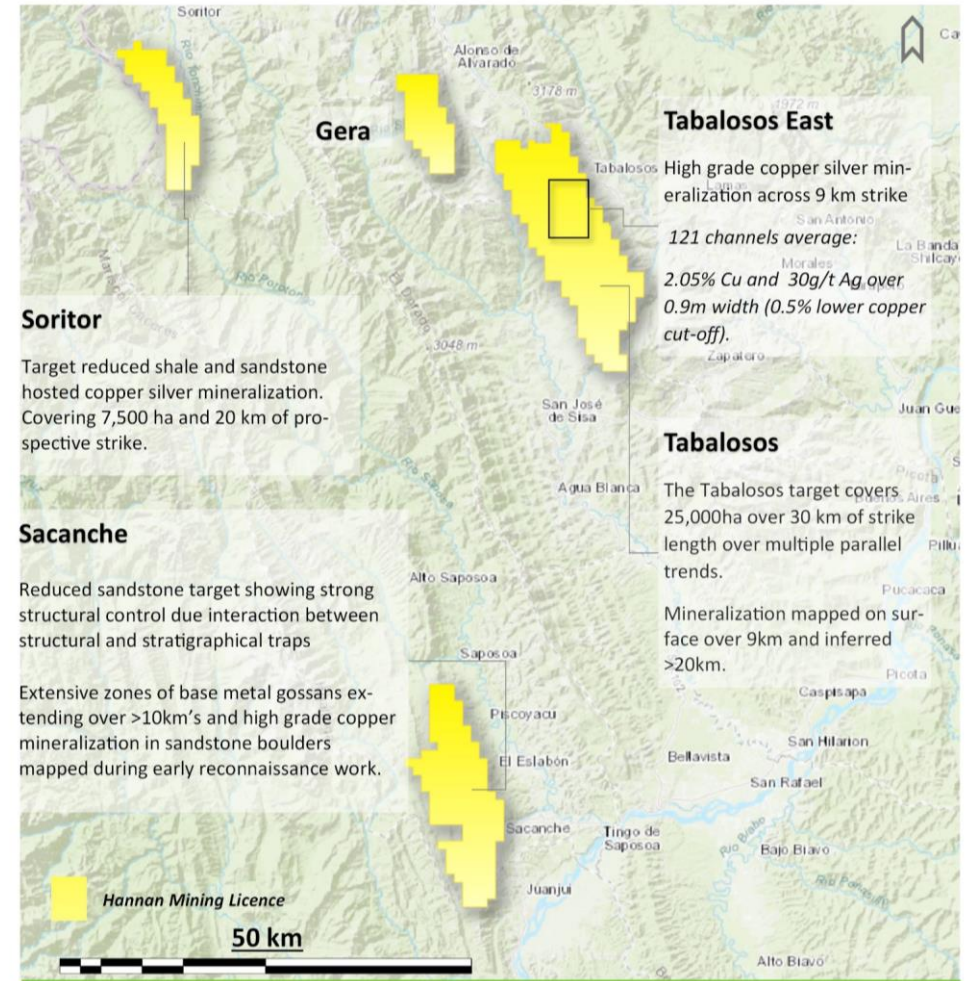
Reduced Sandstone Target Style

Highly sought after and prospective style of sediment hosted copper mineralization discovered in San Martin

Extensive zones of base metal gossans extending over >10km's and high-grade copper mineralization in sandstone boulders

DIA Drill Permit Granted Jan 2024

New discovery at Soritor: 2.3 km of strike including 5.8 m at 3.1% copper and 65 g/t silver from surface.





Peru – San Martin Cu-Ag Project

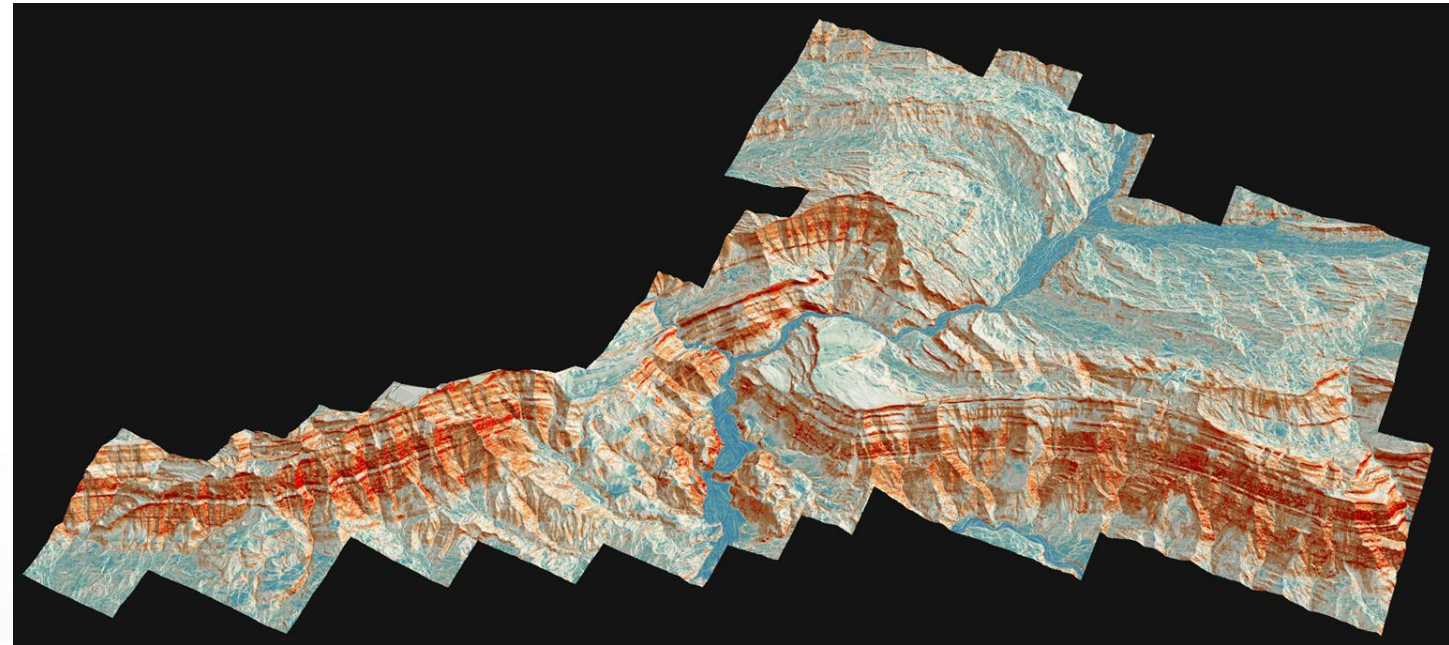
An emerging sediment hosted copper basin

Key geological elements for the development of giant deposits

Analogous to the Central African Copper Belt, the San Martin Project evolved as a salt rich intra-cratonic basin and was subsequently affected by compressional deformation

Two targets reduced shale and reduced sandstone target.

HANNAN LiDAR SURVEY





Peru – San Martin Cu-Ag Project

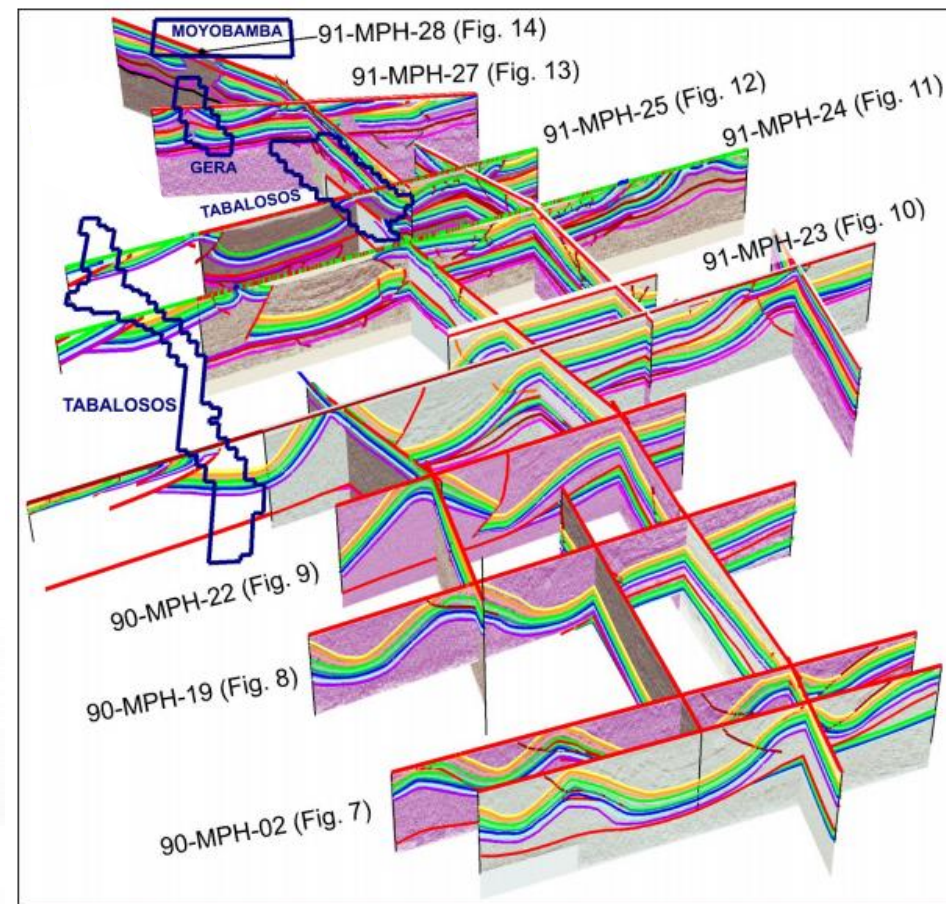
Geological de-risking

Project has been de-risking with 2D seismic to understand basin evolution and fluid pathways

LiDAR is used to map mineralization at low cost under the dense jungle canopy.

High grade copper silver mineralization across vast areas. *121 channels average:*

2.05% Cu and 30g/t Ag
over 0.9m width
(0.5% lower copper cut-off)



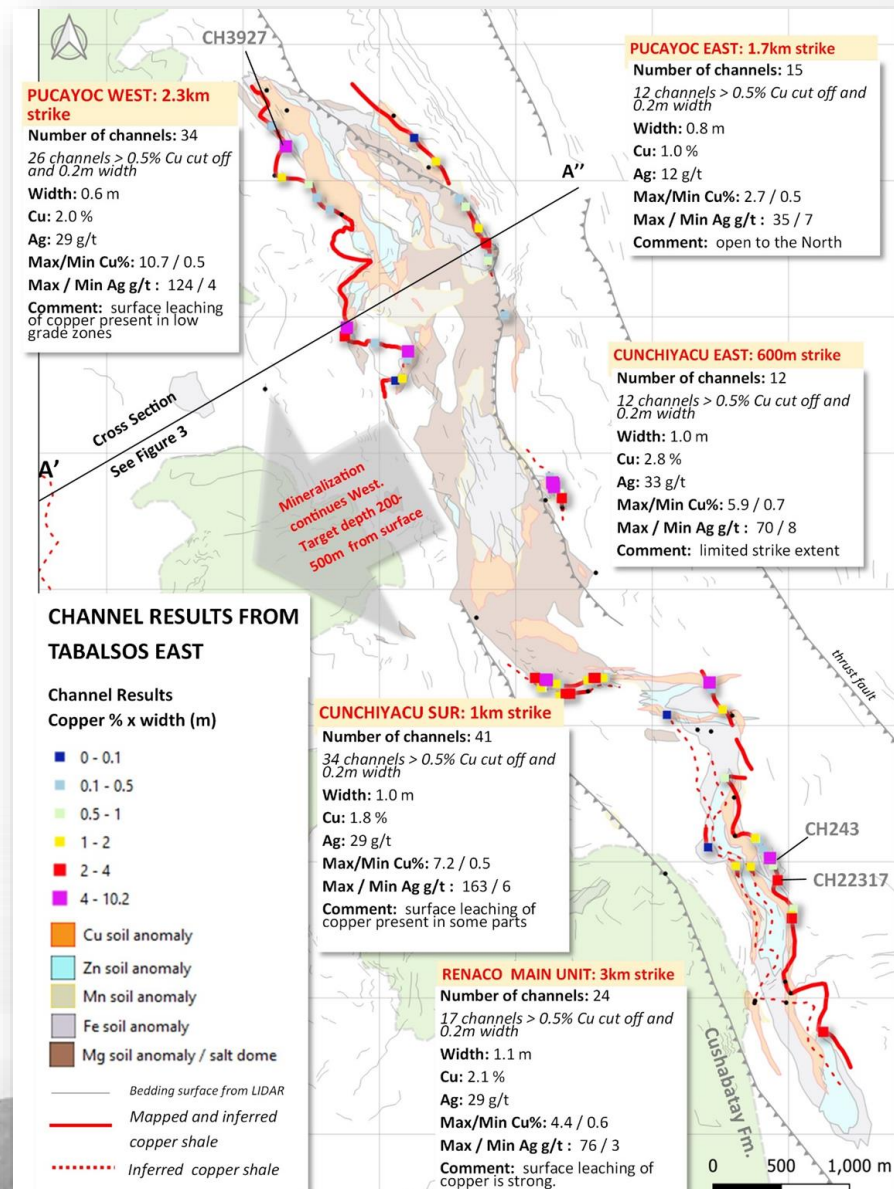
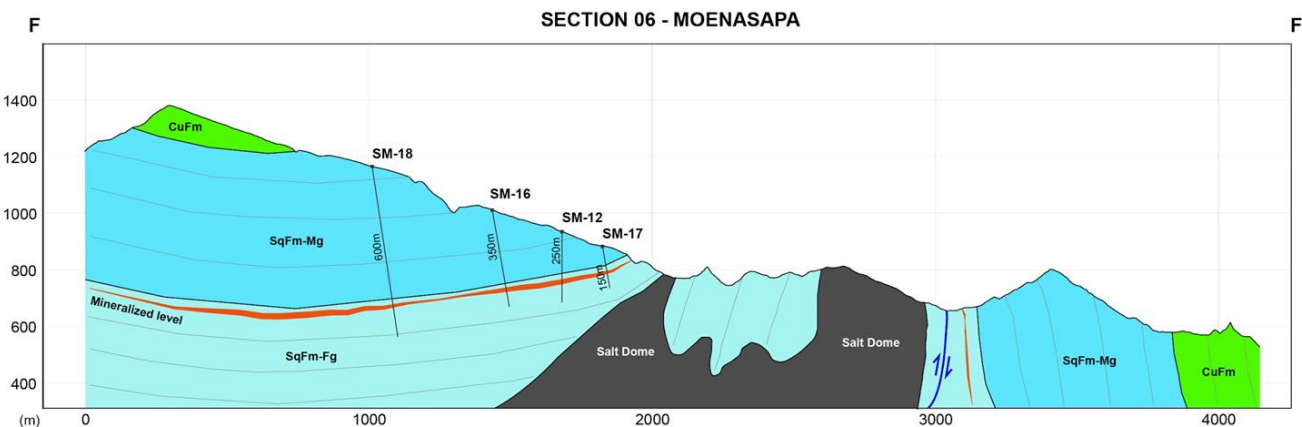


Peru – San Martin

Drill Program 2024 – Q2

2000m drill program – fully funded by JOGMEC

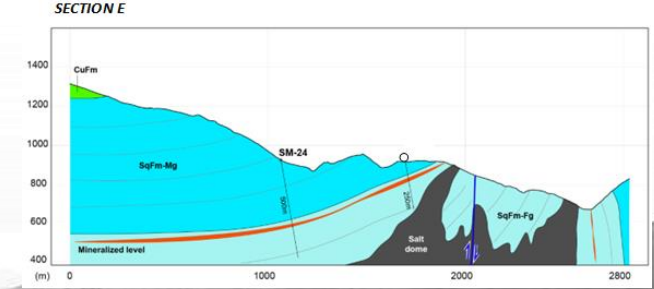
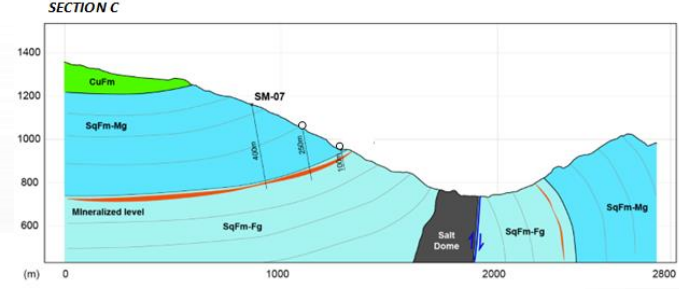
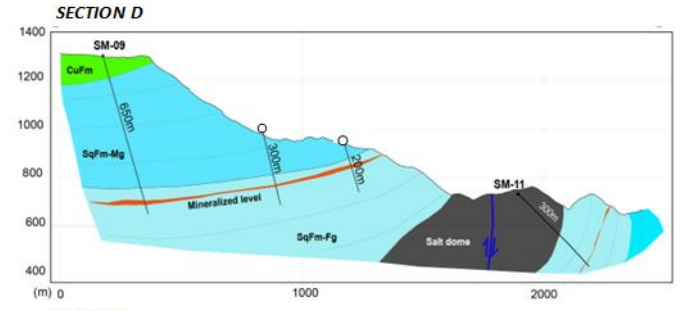
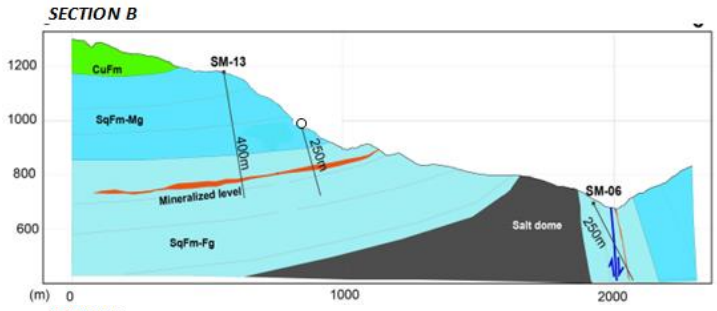
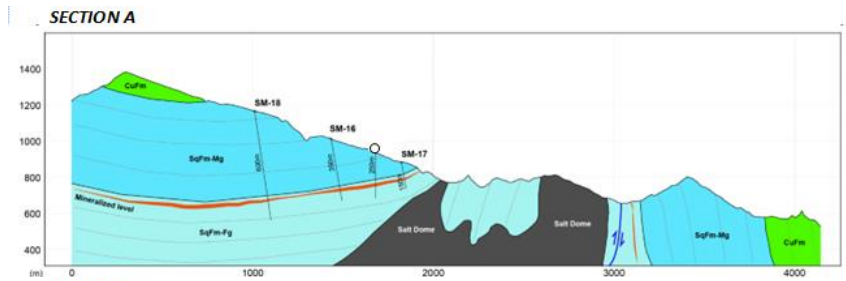
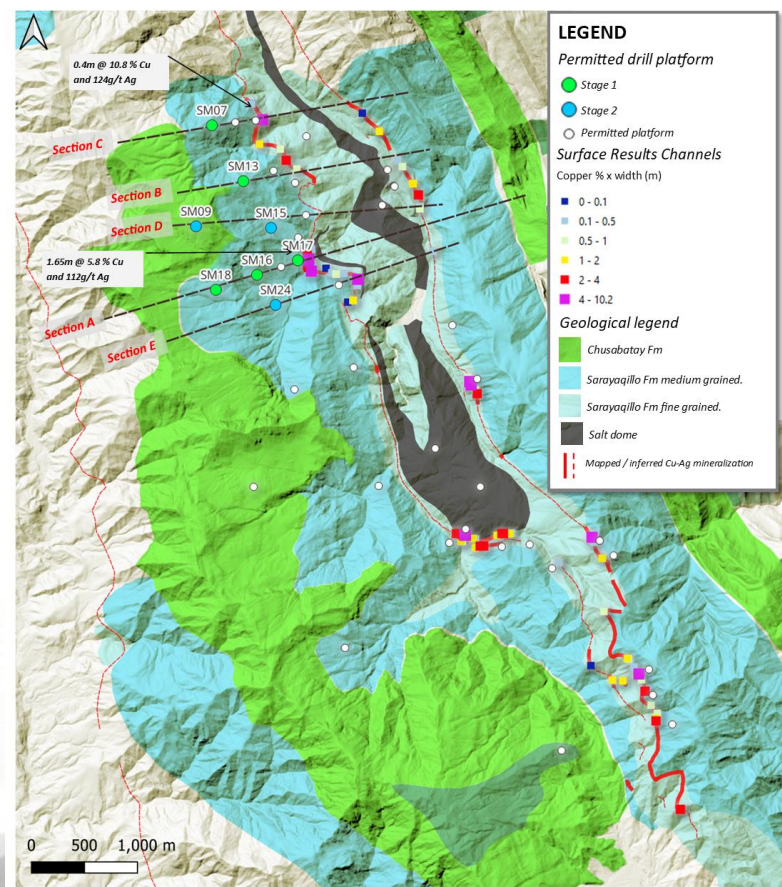
Outcropping high grade copper mineralization over 7 km of strike and down to a vertical depth of at least 500 meters





Peru – San Martin

Drill Program 2024 – Q3

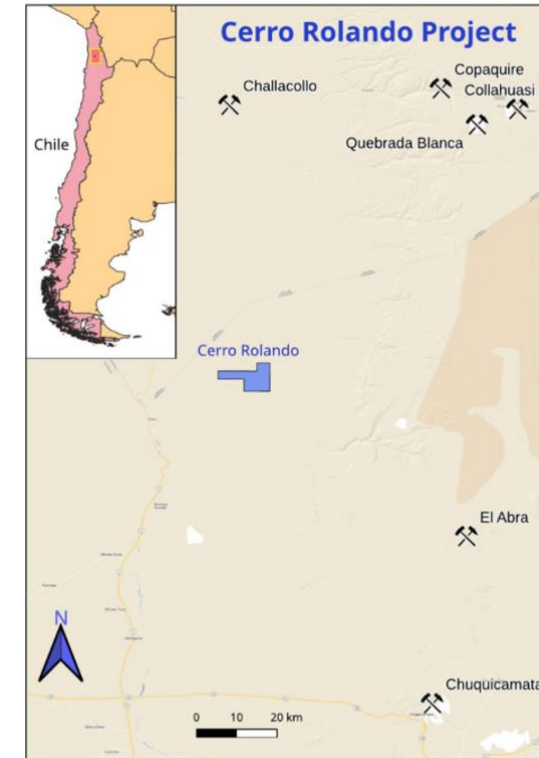
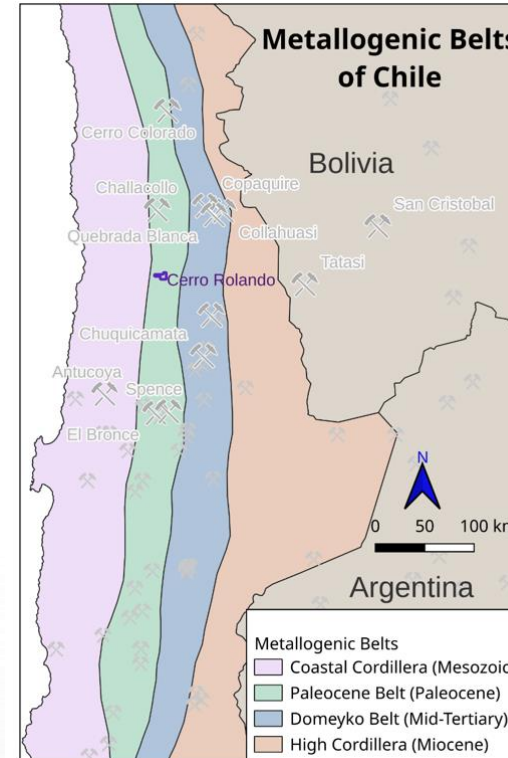




Chile – the Cerro Rolando Porphyry Project

Grass root opportunity in worlds premier copper province

- | Letter of Agreement to acquire 100% interest in the Cerro Rolando Copper porphyry project.
- | Located in the Palaeocene metallogenic belt of Chile
- | Airborne EM data models a conductor at the base of 200-metre-thick cover over 1.2 km of strike.
- | The conductor is interpreted to be a potential chalcocite enrichment blanket lying above a modelled magnetic body, interpreted to be the potassic core of a copper-bearing porphyry





Chile – the Cerro Rolando Porphyry Project

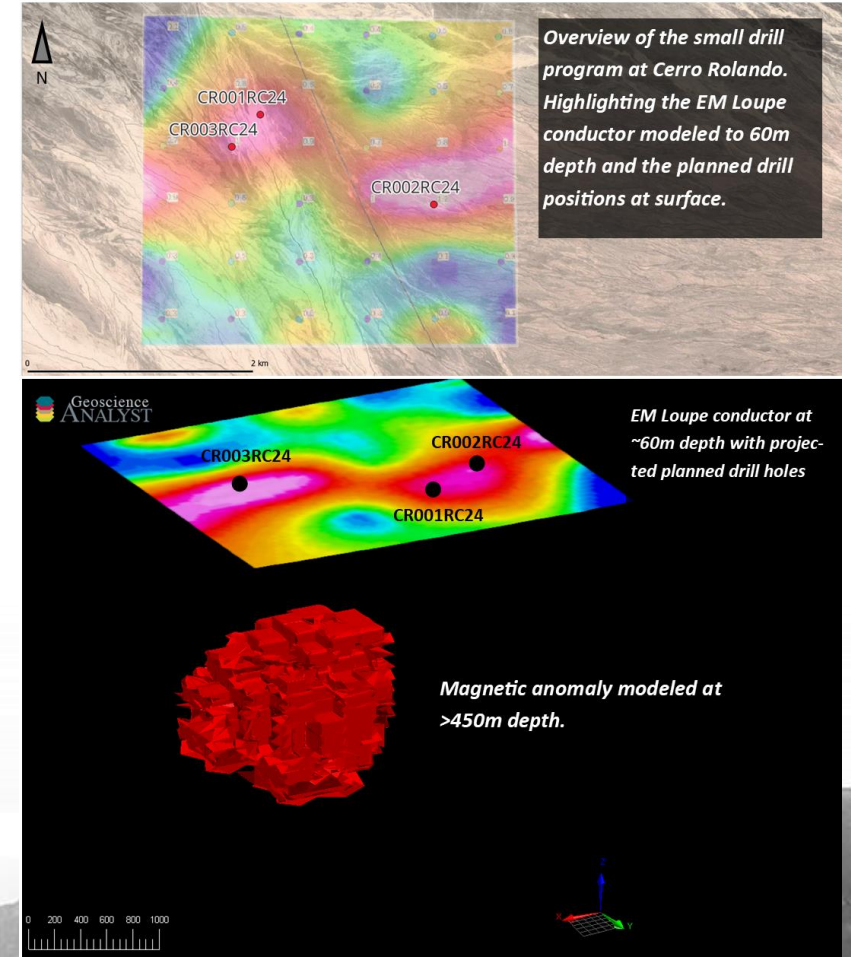
Grass root opportunity in worlds premier copper province

Completed initial geophysical surveys in 2023 (MAG EM LOOP)

Complex geological conditions but results supports perched sulphide /supergene mineralization within a leached cap.

The EM conductor is coinciding with a strong magnetic anomaly modelled at +450m depth.

Micro drill program in Q2 2024 to test model



Hannan in 2024

A red truck is crossing a wooden suspension bridge over a river. The bridge is made of wooden planks and has metal cables supporting it. The river is brown and turbulent. The surrounding area is a dense, green forest with many trees and bushes. The sky is not visible, but the lighting suggests it's daytime.

Q1-Q4 VALIENTE – 100 % HANNAN

DRILL PERMITTING IN PROGRESS
ACTIVE TEAM EXPLORING PREVISTO CENTRAL
ESTABLISH MULTIPLE DRILL AREAS OF COPPER-GOLD
TARGETS OVER THE NEXT 5 YEARS

Q3 - SAN MARTIN PERU

2000m DRILL PROGRAM JV WITH JOGMEC -
FULLY FUNDED. TARGETING COPPER SILVER

Q2 – CERRO ROLANDO CHILE

MICRO DRILL PROGRAM (120m) TO
TEST BLIND SUPERGENE PORPHYRY
COPPER TARGET

HANNAN METALS

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TSXv: HAN

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