

Hannanmetals

COPPER | SILVER | GOLD | PERU

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

JANUARY 2021

TSXV : **HAN** | OTC: **HANNF**

Disclaimer



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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.

JAN 2021

Overview

Hannan is a first mover. New frontier districts in Peru

- Hannan is a first mover in new frontiers. Basin-scale copper-silver districts and a back-arc porphyry copper-gold targets – vast tenure position of 1,869 sq km
- Created significant interest from majors

Completed one of the larger JV agreements in the junior space

- Fully funded Option and Joint Venture Agreement with Japan Oil, Gas and Metals National Corporation ("JOGMEC").
- JOGMEC has the option to earn up to a **75% beneficial interest in the San Martin Project by spending up to US\$35,000,000** to deliver to the joint venture ("JV") a feasibility study.
- 87 mineral concessions for a total of 660 sq kms.

Continue to progress exploration on its other projects in Peru

- 2020 – a thinking year, compilation and acquisition of proprietary databases
- Hannan recognized the exceptional potential for large copper-silver-gold deposits in Eastern Peru and has aggressively staked a commanding position over 1,869 square kilometres of prospective geology

Looking to repeat in 2021, exploring 1,209 sq km in own right

- A top 10 tenure holder in Peru – a “minnow amongst the whales”
- Multiple field teams now active on JV areas and own projects

Making a Splash: Peru Top 10 Tenure Holder

"Some of the world's largest mining companies share our belief that big grassroots discoveries are best made within big land positions"

RANK	Owner	sq km	Market Cap US\$M
1	FRESNILLO PERU S.A.C.	6,873	12,043
2	NEXA RESOURCES PERU S.A.A (incl. COMPANIA MINERA MILPO S.A.A.)	4,743	1,080
3	COMPANIA MINERA ARES S.A.C. (HOCHSCHILD MINING PLC)	4,580	1,566
4	SOCIEDAD MINERA VICUS EXPLORACIONES S.A.C. (AURANIA RESOURCES LTD)	4,022	125
5	COMPANIA DE MINAS BUENAVENTURA S.A.A.	3,738	2,857
6	VALE EXPLORATION PERU S.A.C.	3,478	97,060
7	BHP BILLITON WORLD EXPLORATION INC. SUCURSAL DEL PERU	2,651	183,173
8	NEWMONT PERU S.R.L.	2,177	50,440
9	MINERA BARRICK MISQUICHILCA S.A.	2,151	42,660
10	HANNAN METALS LTD	1,869	28
11	RIO TINTO MINING AND EXPLORATION S.A.C.	1,863	155,708

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

Capital Structure



HAN



HANNF

INSIDERS:

16%

SHARES ON ISSUE:

81.0 M

FULLY DILUTED:

111.1 M

RECENT PRICE:

C\$0.39 (30 Nov)

MARKET CAP:

C\$31.5 M

CASH:

C\$1.4 M

ENTERPRISE VALUE:

C\$30.1 M

Options

Expiring November 14, 2021	\$0.10	861,000
Expiring November 15, 2021	\$0.10	120,000
Expiring February 1, 2022	\$0.26	50,000
Expiring January 23, 2023	\$0.25	3,545,000
Expiring 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

Warrants

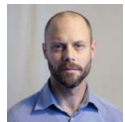
Expiring April 24, 2021	\$0.15	1,402,500
Expiring April 30, 2021	\$0.15	322,500
Expiring July 6, 2021	\$0.25	6,819,300
Expiring February 18, 2022	\$0.30	14,016,588
Expiring July 13, 2022	\$0.35	2,000,000



Directors & Officers



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



Lars Dahlenborg (President): *MSc.*



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



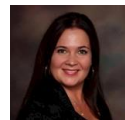
Georgina Carnegie (Director): *B.Com, AM Harvard*



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



Nick DeMare (Director): *CPA, CA*



Mariana Bermudez (Corporate Secretary)



Quinton Hennigh – Technical Adviser

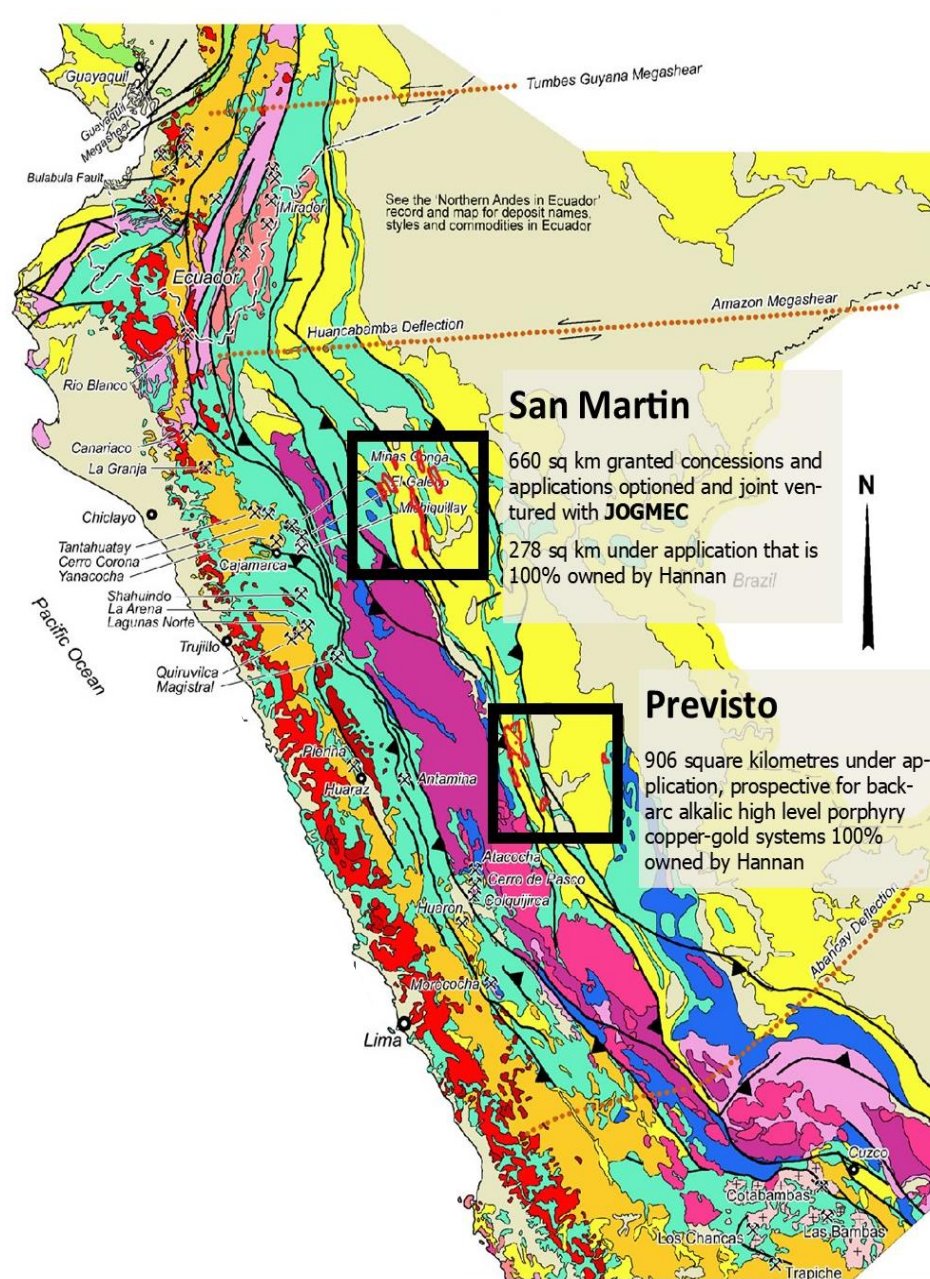
Hannan is managed by a group with careers built in the exploration industry.

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.

Hannan in Peru

- In **San Martin**, a fully funded Option and Joint Venture Agreement with Japan Oil, Gas and Metals National Corporation ("JOGMEC").
 - JOGMEC has the option to earn up to a **75% beneficial interest in the San Martin Project by spending up to US\$35,000,000** to deliver to the joint venture a feasibility study on 660 sq km, while Hannan is exploring 278 sq km of concessions in own right.
 - On a basin scale, the project exhibits district wide mineralization hosted in reduced sedimentary rocks covering at least **120 kilometres of strike and 50 kilometres**
- At **Previsto**, 932 square kilometres of mining concession applications prospective for back-arc alkalic high level porphyry copper-gold systems in central eastern Peru

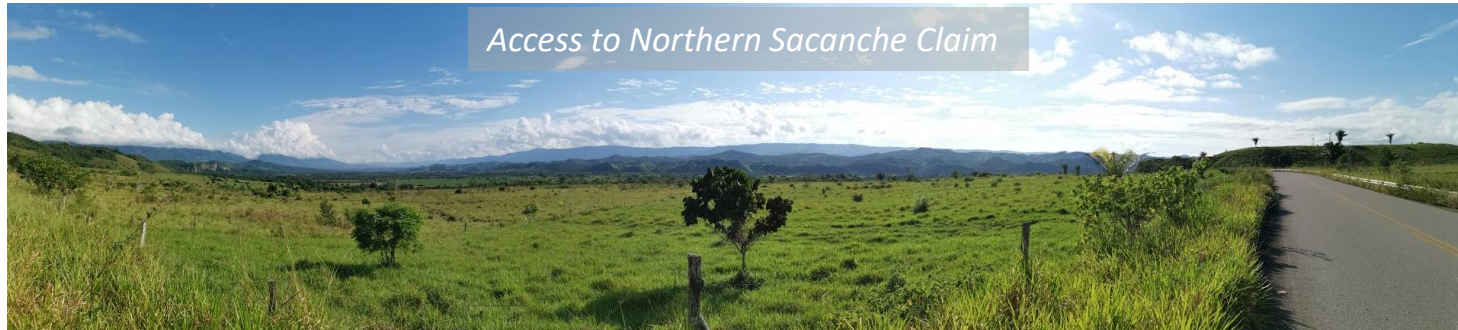


Key Points –San Martin JOGMEC JV



- The target areas are aligned along **linear trends** of ~ **100km strike length**
- **Two target styles identified** – structurally hosted and stratiform Cu-Ag mineralization
- Best results from **outcrop (channel samples)** – 20km apart:
 - **3m @ 2.5% Cu & 22g/t Ag** (LD190517-19)
 - **2m @ 5.9% Cu & 66g/t Ag** (TC190536-38)
 - **0.6m @ 8.7% Cu & 59g/t Ag** (TC190536-38)

San Martin JOGMEC JV Project



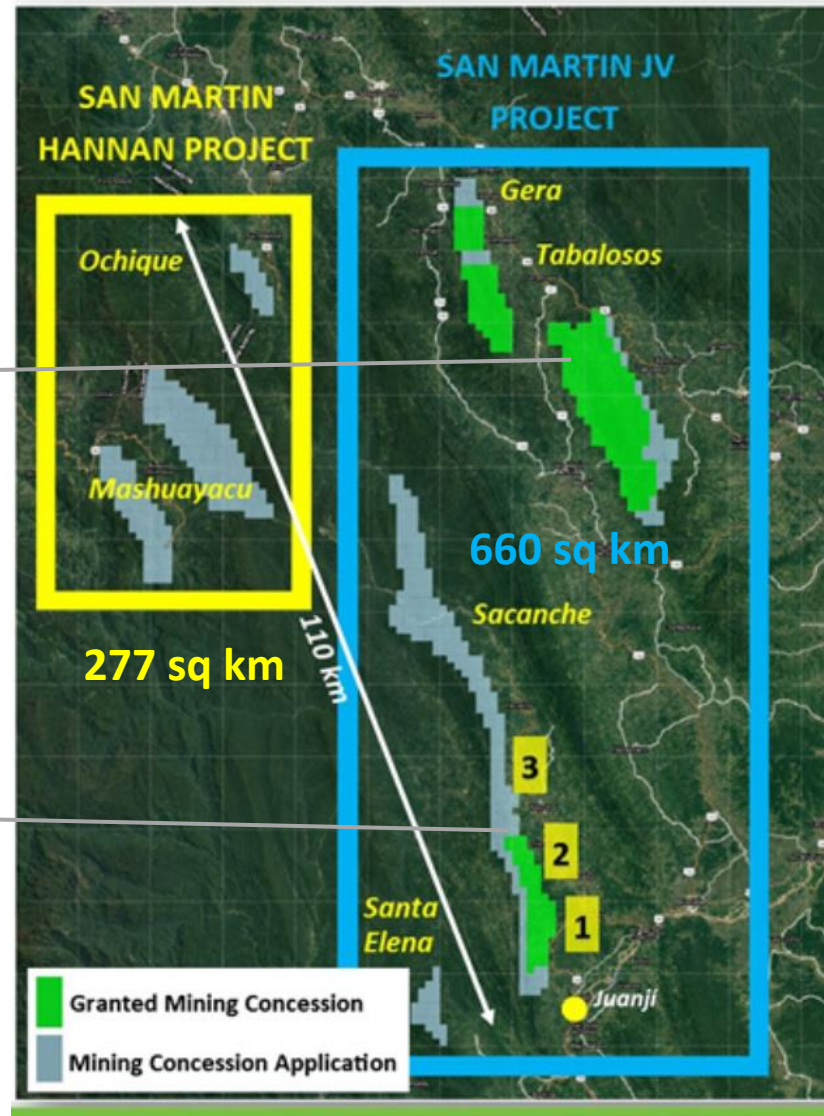
San Martin - Scale

Tabalosos:

Initial sampling outlining 4 separate areas of high-grade copper and silver over 15 kilometres of strike within at least 2 structural corridors. Nineteen mineralized boulders (>0.1% copper) range in grade from **0.1% to 8.3% copper** and **0.2 g/t silver to 109 g/t silver** with an average grade of **2.8 % copper and 27.2 g/t silver**

Sacanche:

1) 3m @ 2.5% Cu and 22g/t Ag 2)
2m @ 5.9% Cu and 66g/t Ag 3)
0.6m @ 9.0% Cu and 59g/t Ag



Travel time

✈ Lima-Tarapoto 1h
🚗 Tarapoto – Juanjuí 2:30h
🚗 Tarapoto – Tabalosos 40min
🚗 Tarapoto – Moyobamba 2h

How the Magic Happens: Copper- Silver Mineralization Forms At Multiple Levels for Multiple Opportunities

All the right ingredients:
Sources rocks, traps and
>500m thick evaporites



SYSTEM/EPOCH	Age M.Y.	Formation	m	Bedrock map color
CRETACEOUS	Late	Fm. Vivian	250	Yellow
		Fm. Chonta	600-900	Yellow
	Early	Fm. Agua Caliente	200-450	Green
		Fm. Esperanza	200	Green
		Fm. Cushabatay	500-800	Green
JURASSIC	Malm	Fm. Sarayaquillo	1200-1800	Blue
	Dogger			
	Lias			
TRIASSIC	Late	Fm. Condorsinga	400	Grey
		Fm. Aramachay	300	Grey
		Fm. Chambará	500	Grey
	Middle	Fm. Pareni Salt	>500	Black
	Early			
PERMIAN		Shiani, Noi, Ene Cobacabana		Brown

1. Cushabatay-hosted target +50 metre thick gossans

Bituminous sandstone host

Analogue: Udokan, Russia: 2.8Gt @ 0.97% Cu 11.9g/t Ag

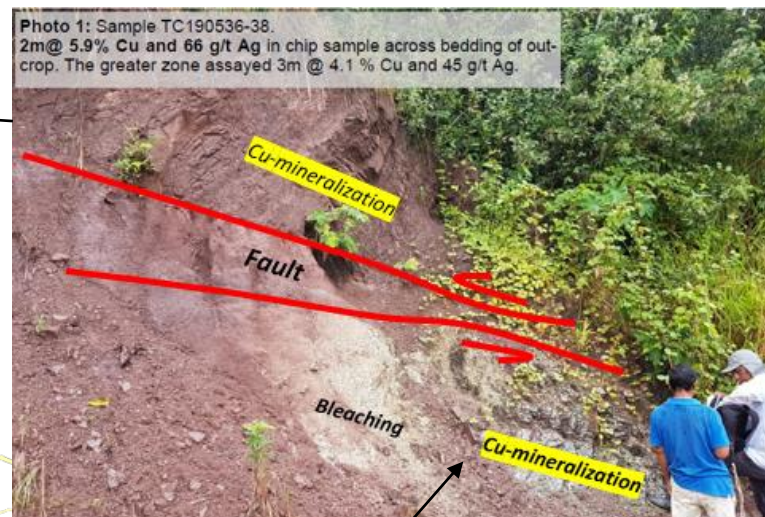
2. Sarayaquillo-hosted target 2-5 metres @ 2-5% Cu, 30-100g/t Ag

Reduced facies type

Analogues: Central African Copper Belt/ European Kupferschiefer

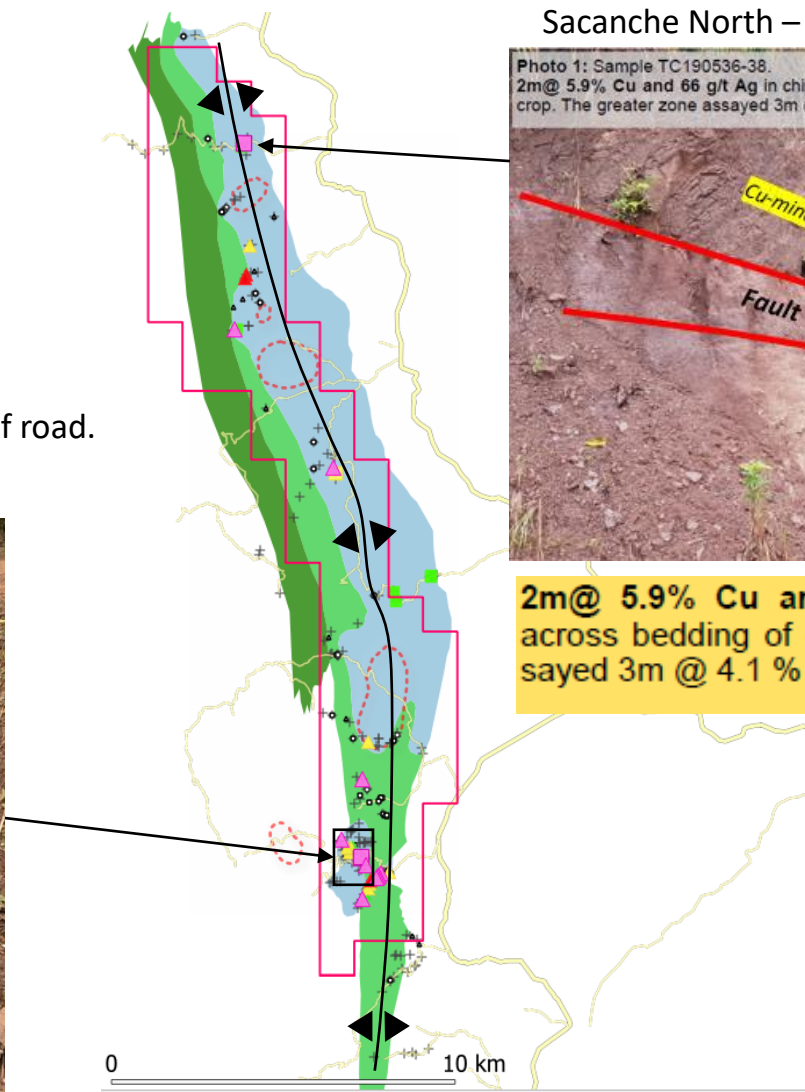
Sacanche Cu-Ag mineralization

Sacanche North – exposure at side of road.

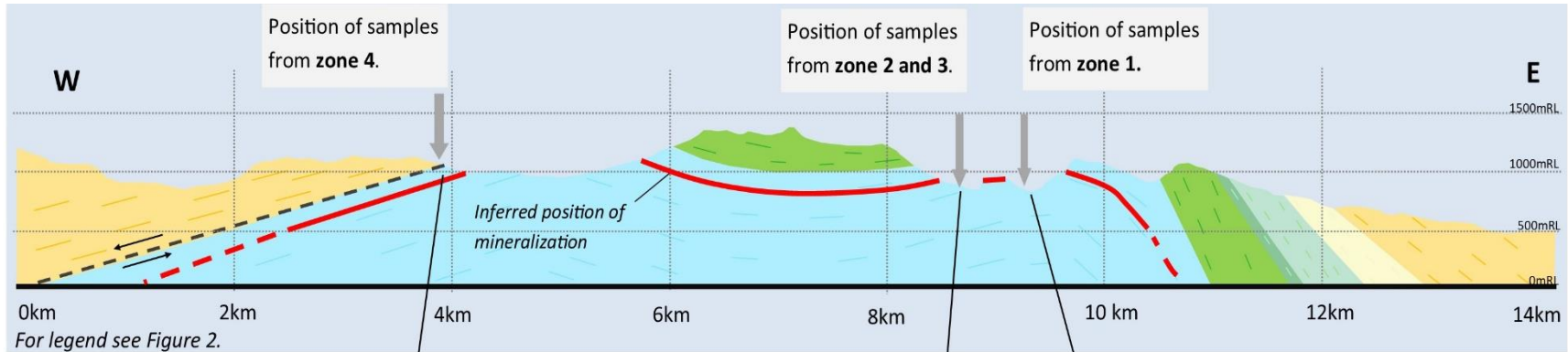


2m @ 5.9% Cu and 66 g/t Ag in chip sample across bedding of outcrop. The greater zone assayed 3m @ 4.1 % Cu and 45 g/t Ag.

Sacanche South – exposure at side of road.



Tabalosos – 80km north of Sacanche



High grade sample from zone 4

Sample is finely laminated by carbon

LD1904

Cu: 2.83 %
Ag: 27.4 ppm

High grade sample from zone 3

Sample is rich in organic material and chalcocite

LD1904

Cu: 8.26 %
Ag: 109 ppm

High grade sample from zone 1

Sample is rich in organic material and chalcocite

LD1606

Cu: 6.31 %
Ag: 93 ppm

Copper-Silver Mineralization:

Sample from zone 2

Albitized boulder with carbon lamination.

LD1709

Cu: 1.18 %
Ag: 14.5 ppm

Sample from zone 1

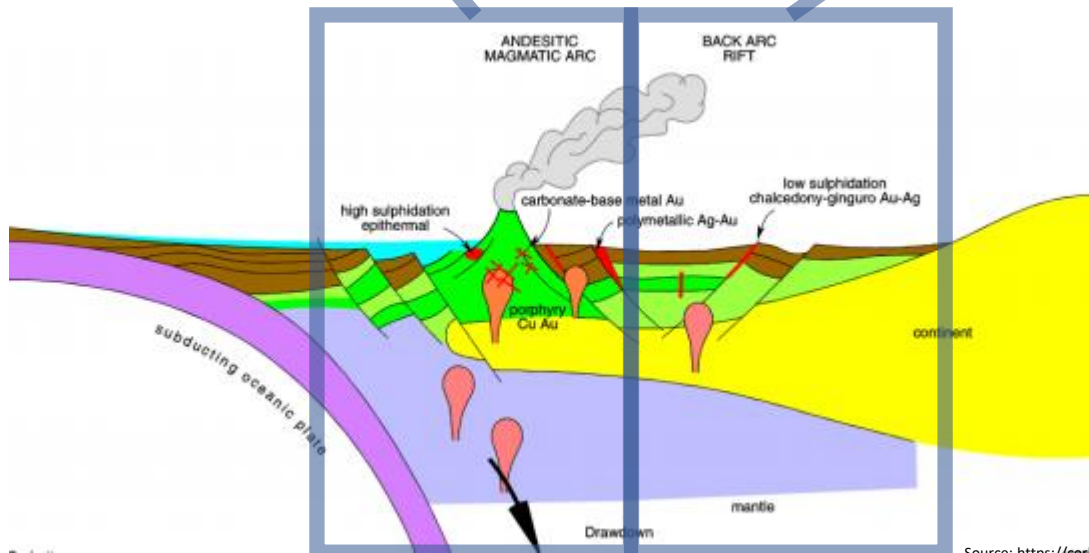
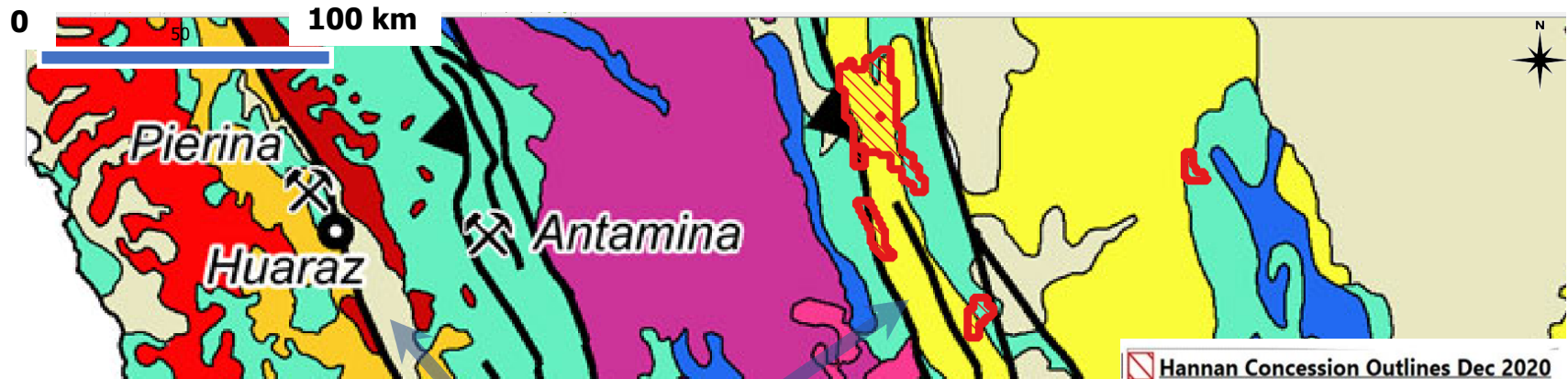
Albitized boulder with carbon lamination.

LD1601

Cu: 2.15 %
Ag: 26.2 ppm

Previsto - 906 sq km

- Back-arc alkalic gold-copper porphyry
- Reconnaissance field crews active, further information will be made as it becomes available soon!



Budgets and Timelines

- Active COVID-safe field programs underway, a year of discovery
- JOGMEC Budget April 2020 -March 2021: **US\$1M**, 2021/22: **US\$2M**
 - 2021 Aim: Continue to build basin scale project, determine continuity at varying scales
 - Social program
 - BLEG
 - Reconnaissance mapping
 - Soil surveys, channel sampling
 - LiDAR
 - Drilling permitting starting, initial drill testing late 2021
- HANNAN BUDGET 2021: **CDN\$1M**
 - 2021 Aim: Define significant gold-copper porphyry discovery
 - BLEG
 - Reconnaissance mapping
 - Airborne Mag

Summary

- Opening up new search spaces via grassroots discovery
- \$35M JV with JOGMEC
- Hannan recognized the exceptional potential for large copper-silver-gold deposits in this part of Peru and has aggressively staked a commanding position over 1,869 sq km of prospective geology;
- Collecting data, making discoveries, creating value



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