

Exploring Copper-Gold Assets at

# **PEÑAS NEGRAS**

April 2024

TSXV: SEND



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David Royle (FAusIMM (CP)) supervised the preparation of and approved the scientific and technical information pertaining to Penas Negras Project contained in this presentation. David Royle is a qualified person as defined by National Instrument 43-101 - Standards of Disclosure for Mineral Projects.



#### WHY INVEST IN SENDERO RESOURCES



100% ownership of 120 km² of claims in highly prospective areas with option to earn 80% in additional 91.7 km² for total of 211.7 km²

Geographically located and similar geology to notable projects In Vicuna such as Filo del Sol and Josemaria

Cluster of porphyry, epithermal, and telescoped porphyry targets



#### **Outstanding Team**

Outstanding in-country technical team with vast experience in the Andes, led by Hernan Vera, former VP of Barrick Argentina

Porphyry and Andean Expert David Royle as Chief Technical Advisor



#### **Attractive Valuation**

Attractive entry point to participate in the exploration of this exciting new Vicuna District

Strong shareholder base with 33% insider ownership



#### **KEY PERSONNEL**

#### Hernan Vera

#### Chief Executive Officer

Former Barrick Argentina VP, Yamana VP and Co-Founder and CEO of Reyna Gold (REYG:TSXV) and AngloGold GM; Corporate and Board of Directors Co-founder/CFO of Reyna Silver (RSLV:TSXV); experience

Over 34 years of experience in exploration, mine Director of Emerging Markets Capital, a mining operations, construction and metallurgical plants in South America, North America and Africa

Led the Cerro Vanguardia (AngloGold Ashanti). Veladero (Barrick Gold) and Gualcamayo (Yamana Gold) mines from feasibility to production

Property Vendor of Penas Negras claims

#### **Zachary Goldenberg**

#### Director

Principal of Liberty Venture Partners, a public venture capital investment and advisory firm based in Toronto, Canada

Member of the TSXV Ontario Advisory Committee

Recipient of the ICD.D designation from the Institute of Corporate Directors

JD / HBA from Western Law and Richard Ivey School of Business

#### Michael Wood

#### **Executive Chairman**

Director of Cassiar Gold (GLDC:TSXV)

focused investment firm based in Hong Kong

MBA from Hong Kong University of Science and Technology and BSc Economics Cardiff University

#### Juan Pablo Vera

#### Senior Geologist

Over 7 years of experience in mineral exploration of porphyry and epithermal systems in Argentina

4 years working at the Peñas Negras Project

Extensive knowledge in GIS technologies, geological modeling, and resource estimation

Geology graduate from the National University of San Juan, Argentina. Recognized for outstanding academic performance

#### **David Royle**

#### **Technical Advisor**

Senior management positions Newcrest, Newmont and MIM (Mount Isa Mines now owned by Glencore)

Led exploration teams responsible for the discovery of several major discoveries in South America including Cerro Negro (Newmont), Argentina (Au), Rio Blanco (Zijin Mining), Peru (Cu-Mo) and Pierina (Barrick), Peru (Au-Ag)

David is a Chartered Professional Geologist (AusIMM), Fellow of the Society of Economic Geologists and Fellow & CP of the Australian Institute of Mining and Metallurgy

#### **Glady Castro**

#### Senior Geologist

Geologist with over 15 years of experience in coppergold porphyry systems with 8 years spent working on the Penas Negras project

Previously worked with Anglo American on the Penas Negras project

Extensive knowledge of the Cerro Verde North and Cerro Verde South target areas

#### **Jimmy Lim**

#### Director

Former Senior Advisor to Morgan Stanley Asia General Industrials Group

Director of 5E Advanced Materials (FEAM: NASDAQ) and Stanmore Resources (SMR:ASX)

20+ years experience in Energy Metals and Mining, former Morgan Stanley, Goldman Sachs and JP Morgan Resources Banker

Recently led 1.4bn Stanmore acquisition from BHP for South Walker Creek and Poitrel metallurgical coal mines

#### **Rolando Lopez**

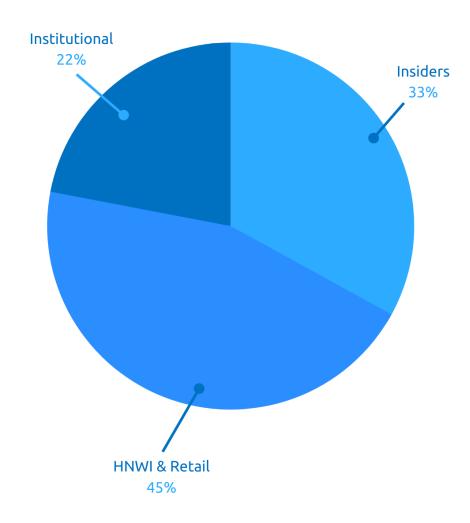
#### Project Manager

Sr Geologist, 30 years of experience working in, exploration, feasibility, construction and mining operation.

Mine manager and Mining production manager in Cerro Vanguardia mine (Anglogold). General manager of Gualcamayo mine (Yamana Gold), and Mine manager in Don Nicolas mine (Argentine Mining Company).

Graduated: Geologist from UNSJ (San Juan) and of Management Development Program from Cape Town University.

### **CAPITAL STRUCTURE**



### **Summary Details**

Market Capitalization @ 20c	\$13.2m CAD
3-Month Average Volume	371,091 Shares
20c Options	5,100,000
20c Finders Warrants	1,396,665
30c Warrants	14,039,875
Shares Outstanding	66,408,438



## THE VICUÑA DISTRICT

# A Geological Hotspot

(El Indio to Maricunga)

- 40% of the world's current copper supply comes from several giant deposit clusters in the central Andes<sup>1</sup>
- The area traditionally consisted of the Maricunga belt and the El Indio belt separated by a gap
- Recent exploration has shown that there is no gap and El Indio to Maricunga is a continuous magmatic belt
- Vicuña Belt formally defined by Sillitoe et al, as 40 km long NE-oriented corridor of porphyry and epithermal deposits from Filo Del Sol to Caserones<sup>2</sup>

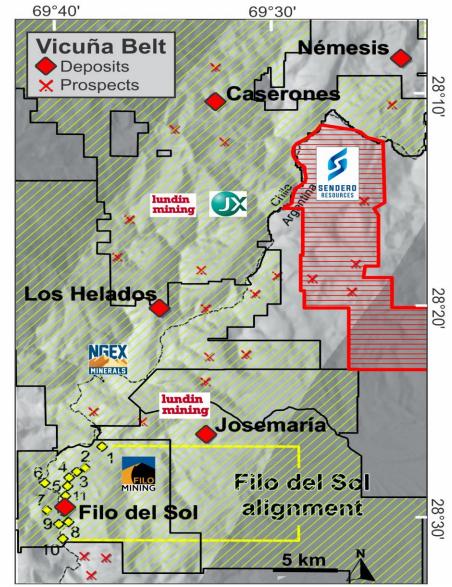
 Source: The World Copper Factbook 2022 by International Copper Study Group (ICSG)
 Geology of Porphyry Cu-Au and Epithermal Cu-Au-Ag Mineralization at Filo del Sol, Argentina-Chile: Extreme Telescoping During Andean Uplift



### **EMERGING VICUNA BELT**

# Giant Cluster of Telescoped Porphyry Systems

- Vicuña belt formally defined for the first time in May 2023 by
   Sillitoe et al<sup>1</sup>, in geological paper: Geology of Porphyry Cu-Au and Epithermal Cu-Au-Ag Mineralization at Filo del Sol, Argentina-Chile: Extreme Telescoping During Andean Uplift
- Extensive removal of the Oligocene to early Miocene volcanic cover occurred in response to the kilometer-scale uplift of Permo-Triassic basement on major N to NE trending reverse faults<sup>1</sup>
- Very rapid regional uplift, continuous mineralizing activity and high rates of surface erosion result in a "Telescoped" Cu-Au Porphyry Systems"
- Magmatism related to porphyry and epithermal deposits in the Vicuna Belt was formed in the Late Oligocene to Middle Miocene (25-14 Ma)<sup>1</sup>



**Figure 1: Vicuna Belt** Source: Geology of Porphyry Cu-Au and Epithermal Cu-Au-Ag Mineralization at Filo del Sol, Argentina-Chile: Extreme Telescoping During Andean Uplift. Richard H. Sillitoe et al May, 2023

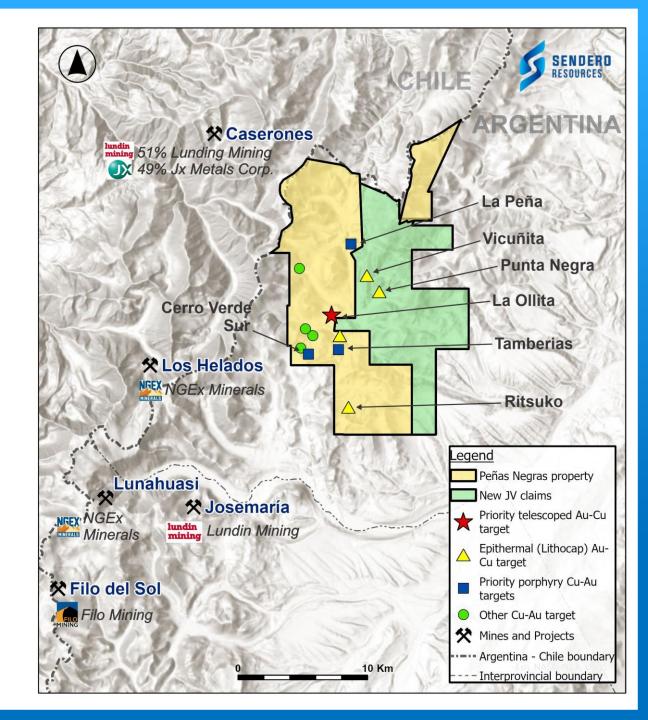


<sup>(1)</sup> Geology of Porphyry Cu-Au and Epithermal Cu-Au-Ag Mineralization at Filo del Sol, Argentina-Chile: Extreme Telescoping During Andean Uplift Richard H. Sillitoe et al

<sup>(2)</sup> Comments on selected Porphyry copper prospects in Northwestern Argentina and Northern and Central Chile, May 2012, Richard H. Sillitoe

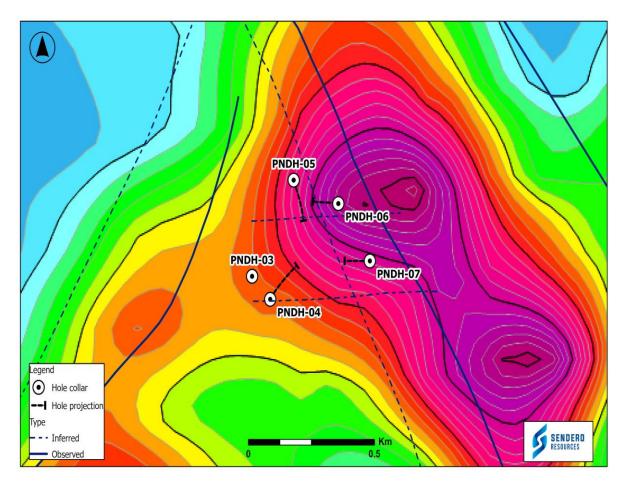
## PEÑAS NEGRAS PROJECT OVERVIEW

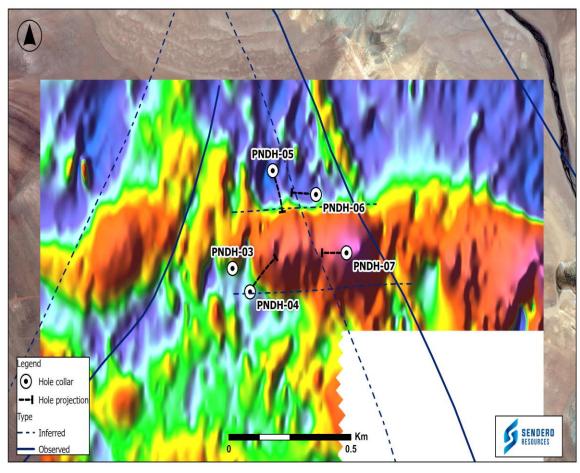
- 100% ownership of 120 km² of claims in highly prospective areas with option to earn 80% in additional 91.7 km² for total of 211.7 km²
- Surrounded by world-class super giant discoveries:
- Josemaría: M&I Resource 1.1bt of 0.29% Cu, 0.21 g/t Au and 0.9 g/t Ag
- Caserones: M&I Resource 1.5bt of 0.28% Cu, 100ppm Mo
- Los Helados: Indicted Resource 2bt of 0.40%
   Cu, 0.15 g/t Au and 1.5 g/t Ag
- Filo Del Sol: Indicated Resource 432.6mt of 0.33% CU, 0.33 g/t Au and 11.5 g/t Ag



# LA OLLITA - COMPOSITION HIGH-SULFIDATION EPITHERMAL/PORPHYRY (TELESCOPED) SYSTEM

**GEOPHYSICAL TARGETING WITH DRILL HOLE LOCATIONS** 



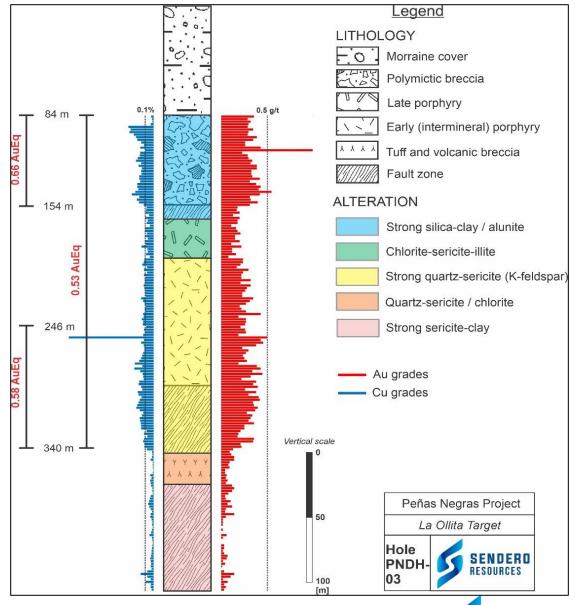


Induced Polarization (IP)

**Ground Magnetics** 

# LA OLLITA COMPOSITION HIGH-SULFIDATION EPITHERMAL/PORPHYRY (TELESCOPED) SYSTEM

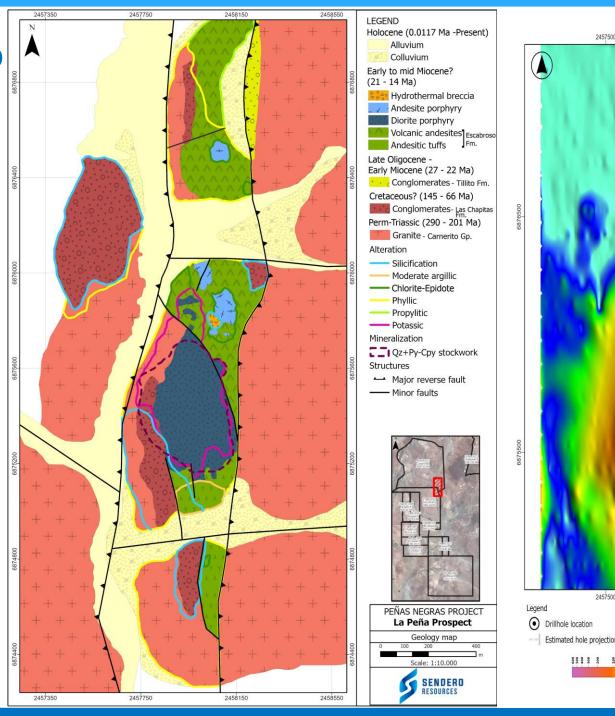
- PNDH003, intersected 256m of 0.53 g/t AuEq including 70m of 0.66 g/t Au Eq
- An advanced argillic lithocap and several phases of porphyry intersected
- The upper part of the hole intersected a phreatomagmatic breccia with intense pervasive residual vuggy silica and clays with alunite with pyrite-enargite-chalcocite and black sulfide veins.
- Below 159m the hole intersected high sulfidation mineralization and advanced argillic alteration overprinting porphyry-style sericite and potassic (K-feldspar-biotite) alteration with A-type quartz veinlets.
- Metal Values up to 1.11 g/t Au (110-112m), 1.35% Cu (254-256m),
   9.4 g/t Ag (254-256m) and 200pm of Mo (86-88m) were intersected





# LA PEÑA: COPPER-GOLD PORPHYRY SYSTEM

- PNDH001 intersected 226m of
   0.22 g/t AuEq including 12m of
   0.34 g/t AuEq
- Intersected porphyry-style stockwork including magnetite veinlets (M-type), A and B-type quartz, anhydrite and gypsum veins
- Widespread disseminated pyrite with traces of chalcopyrite and molybdenite were encountered throughout the hole
- Hydrothermal and phreatomagmatic breccias cut the porphyry intrusive bodies.



PNDH-01

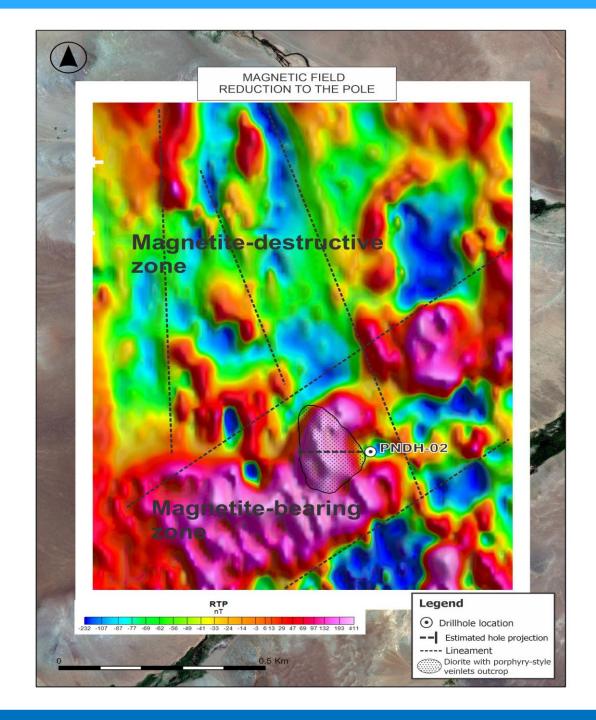
0.1 0.2 0.3 0.4

La Peña Target

Total field integral analytical signal

# Tamberías: Porphyry & Epithermal Target (Potential Telescoped)

- PNDH002 intersected 168m of 0.22 g/t AuEq including 8m of 0.71 g/t Au Eq
- Intersected Au-CU mineralization in porphyry intrusives with breccia phases.
- Alteration is chlorite-illite-sericite overprinted on potassic alteration.
- Quartz-magnetite veinlets and stockwork veining of gray quartz are recognized throughout the entire hole.
- Abundant disseminated pyrite, with traces of chalcopyrite and molybdenite, are present throughout the hole.





# PEÑAS NEGRAS PROJECT 2024 WORK PROGRAM



January - April	March - June	July - August	September - October	November
Ongoing drilling ~4,500m program underway at La Peña, Tamberías, La Ollita & Cerro Verde South	Consistent flow of drill results from Phase I program	Compile, analyse and interpret extensive drill data collected from Phase I program	Define & develop high priority drill targets	Recommence drilling at the Peñas Negras Project Phase II, 10,000m -

