



Sobek Project, Chile



MIRASOL

RESOURCES LTD

FOCUSED ON DISCOVERY

TSX-V: **MRZ**
OTC: **MRZLF**

121 Mining Investment London
May 15-16, 2024

MIRASOL RESOURCES

Cautionary Statement

This presentation contains certain statements that may be deemed “forward-looking statements”. All statements in this presentation, other than statements of historical fact, that address future operations, resource potential, exploration drilling, exploitation activities and events or developments that the Company expects to occur, are forward looking statements. Forward looking statements are statements that are not historical facts and are generally, but not always, identified by the words “expects”, “plans” “anticipates”, “believes”, “intends”, “estimates”, “projects”, “potential” and similar expressions, or that events or conditions “will”, “would”, “may”, “could” or “should” occur. Information inferred from the interpretation of drilling results and information concerning mineral resource estimates may also be deemed to be forward looking statements, as it constitutes a prediction of what might be found to be present when and if a project is actually developed. Although the Company 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 may differ materially from those in the forward-looking statements. Factors that could cause the actual results to differ materially from those in forward-looking statements include market prices, exploitation and exploration successes, and 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 actual results or developments may differ materially from those projected in the forward-looking statements. Forward looking statements are based on the beliefs, estimates and opinions of the Company’s management on the date the statements are made. The Company undertakes no obligation to update these forward-looking statements in the event that management’s beliefs, estimates or opinions, or other factors, should change, except as may be required by applicable law.

This presentation may use the terms pit constrained mineral resources estimate and indicated resource. The Company advises that these terms are recognized and defined in Canadian securities regulations (under National Instrument 43-101 “Standards of Disclosure for Mineral Projects”). Investors are cautioned not to assume that any part of or all, of the mineral occurrences in these categories will ever be converted into reserves.

All material project information in this presentation has been previously disclosed to the public by Mirasol.

Tim Heenan (MAIG), President for Mirasol has reviewed and approved the technical content of this presentation and is a Qualified Person under NI 43 -101.

Mirasol - Key Highlights



- Leading exploration company with a track record of success

- \$60 million liquidity event in 2012 from the discovery and sale of the Joaquin Project

- Conservative share structure with significant insider ownership

- Quality copper, gold and silver exploration projects

- Focused on highly-prospective and mine-friendly jurisdictions of Chile and Argentina

- Established in-country permitting and operating experience

- Well-funded exploration and JV partnerships

- Extensive exploration underway: detailed geological and structural mapping and geochemical sampling

- Drill campaign at Flagship Sobek Project

Share Structure and Treasury

Well-Funded

Cash

~C\$4.2 Million

Estimated cash position (end of quarter Dec 31, 2023 – Adj. for est. expenses & proceeds of Financing April 23/24)

Conservative Share Structure

Shares Outstanding

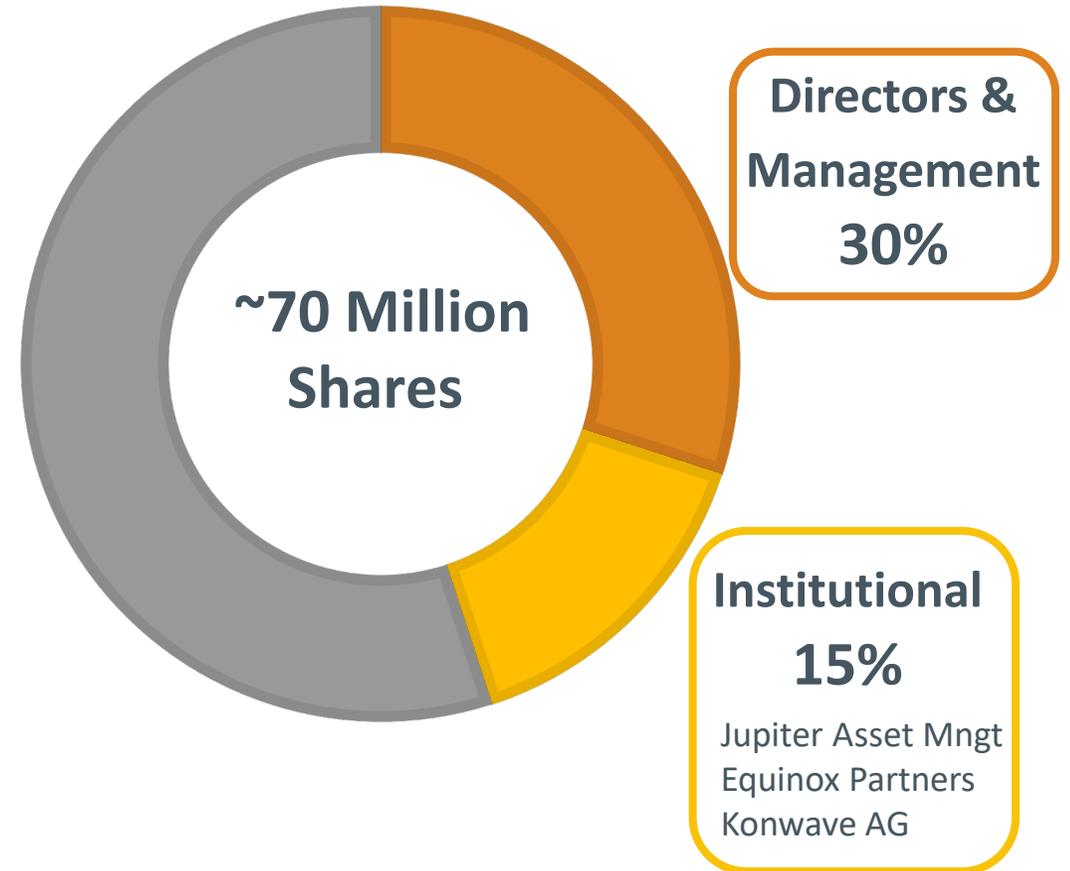
69.7M

Shares Fully Diluted

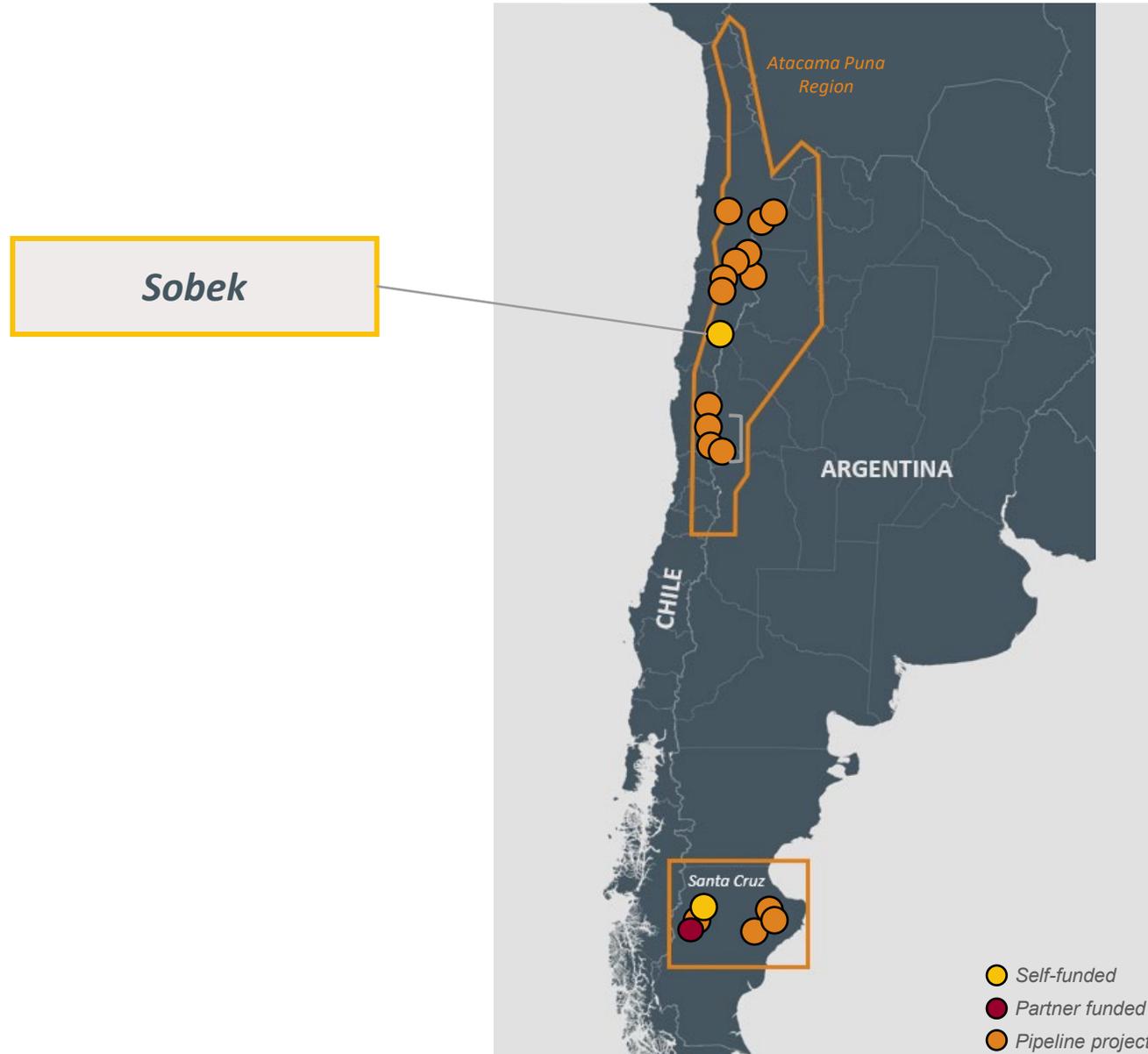
74.6M

Market Capitalization

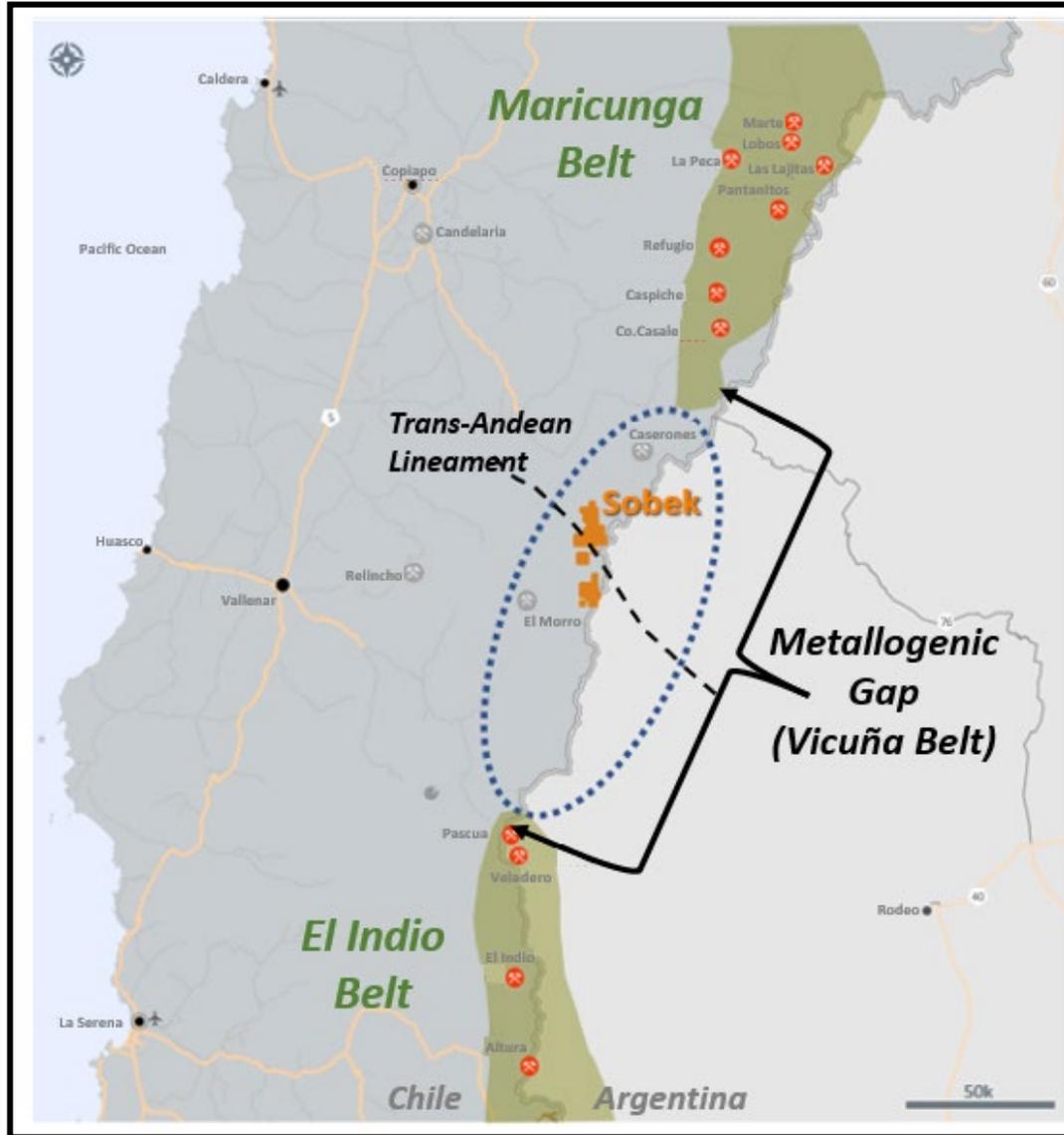
~C\$39M



Flagship - Self-Funded & Active Project - Sobek



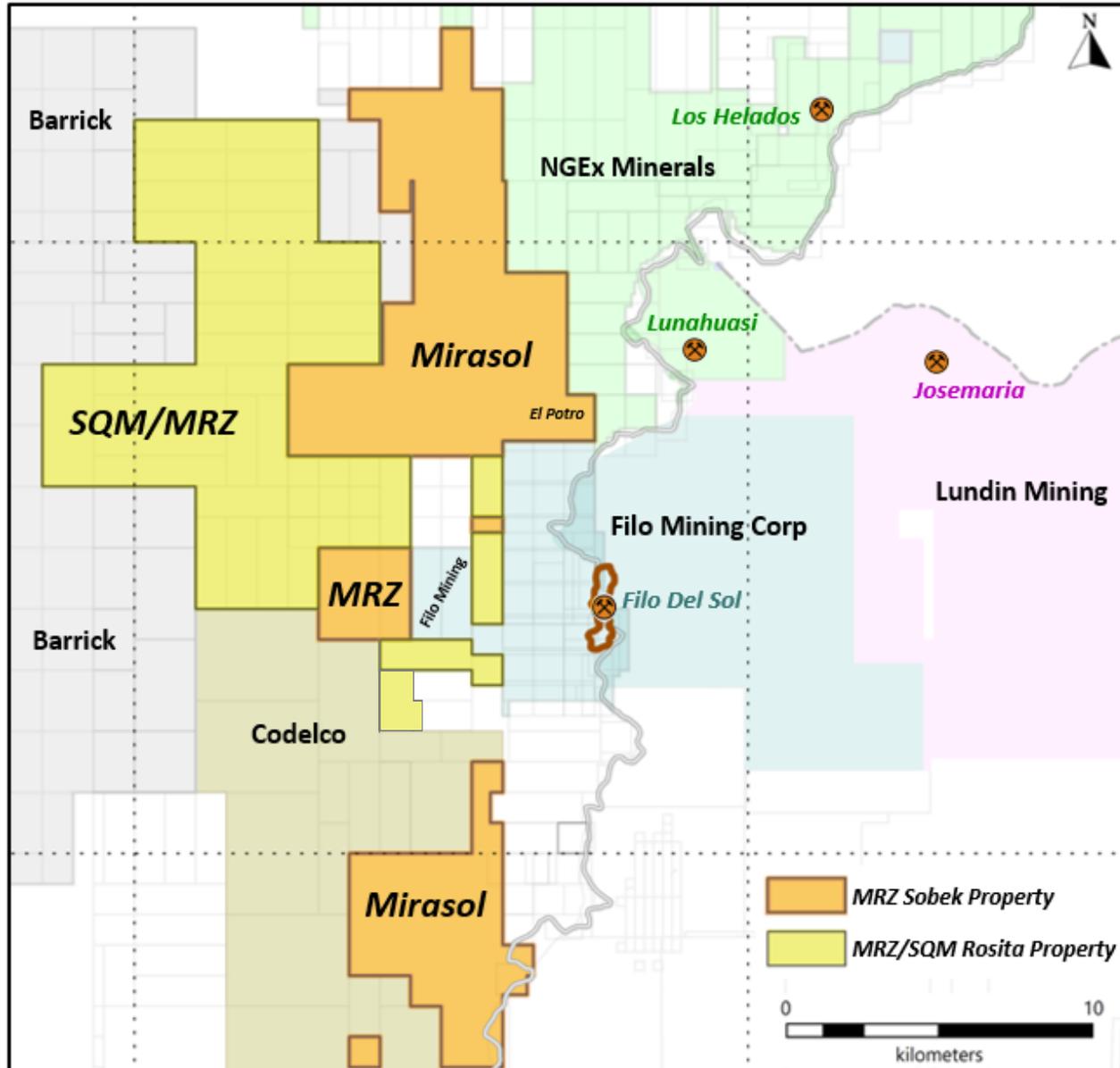
Sobek - Targeting & Staking Rational (2016)



Mirasol's Project Generation Initiatives in the Andes along the Chl/Arg Border.

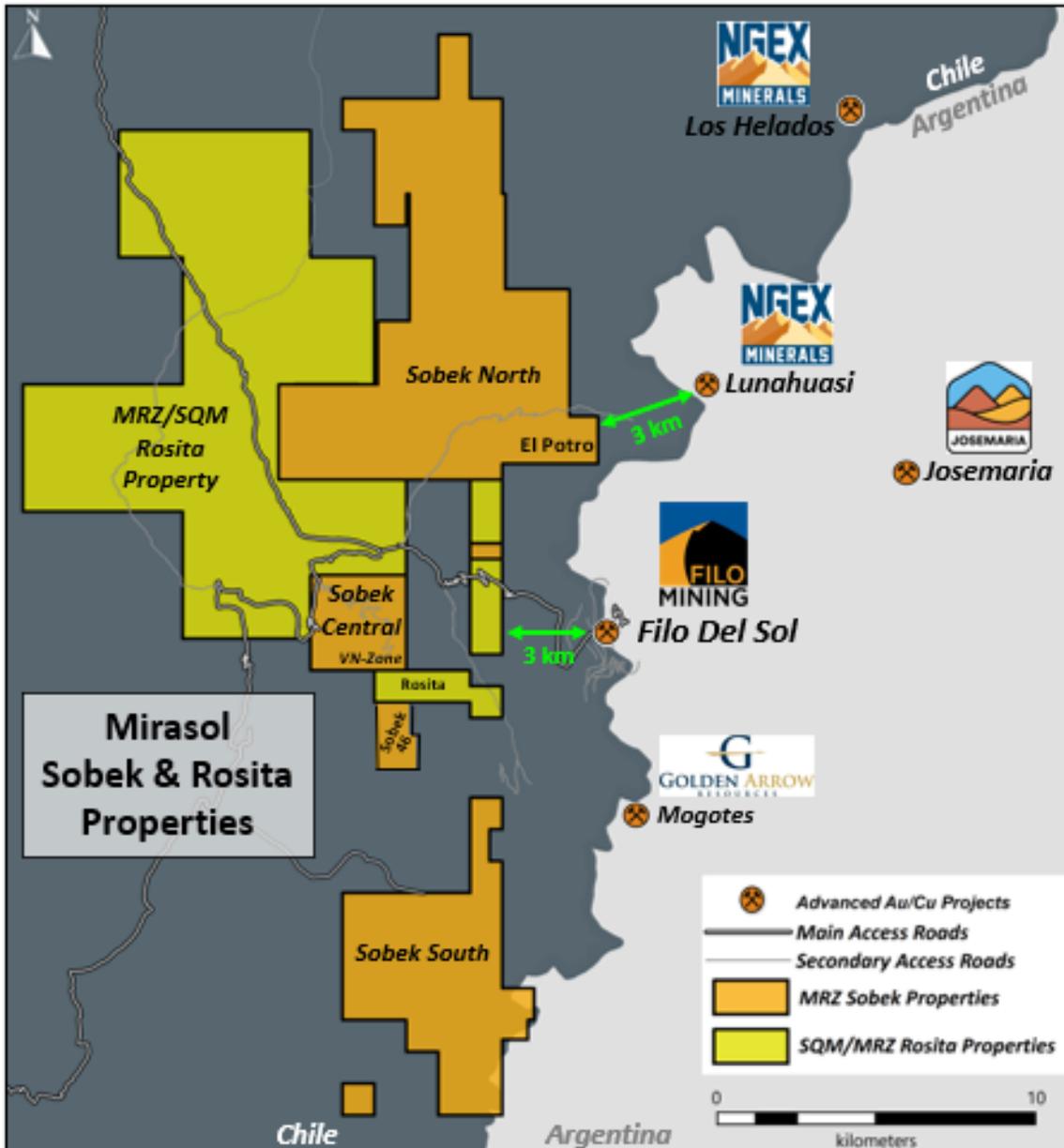
- Looking for those NNW trans-Andean lineaments, which are the key controls in almost all major deposits in Chl/Arg.
- Looking for “GAPS” in the metallogenics, meaning “a notorious lack of advanced projects/mines within the GAP.”
- In this case with the Sobek area, we have the globally recognized districts of the Maricunga to the north and the El Indio Belts to the south of the GAP.

Sobek – Strategically Positioned in the Vicuña District



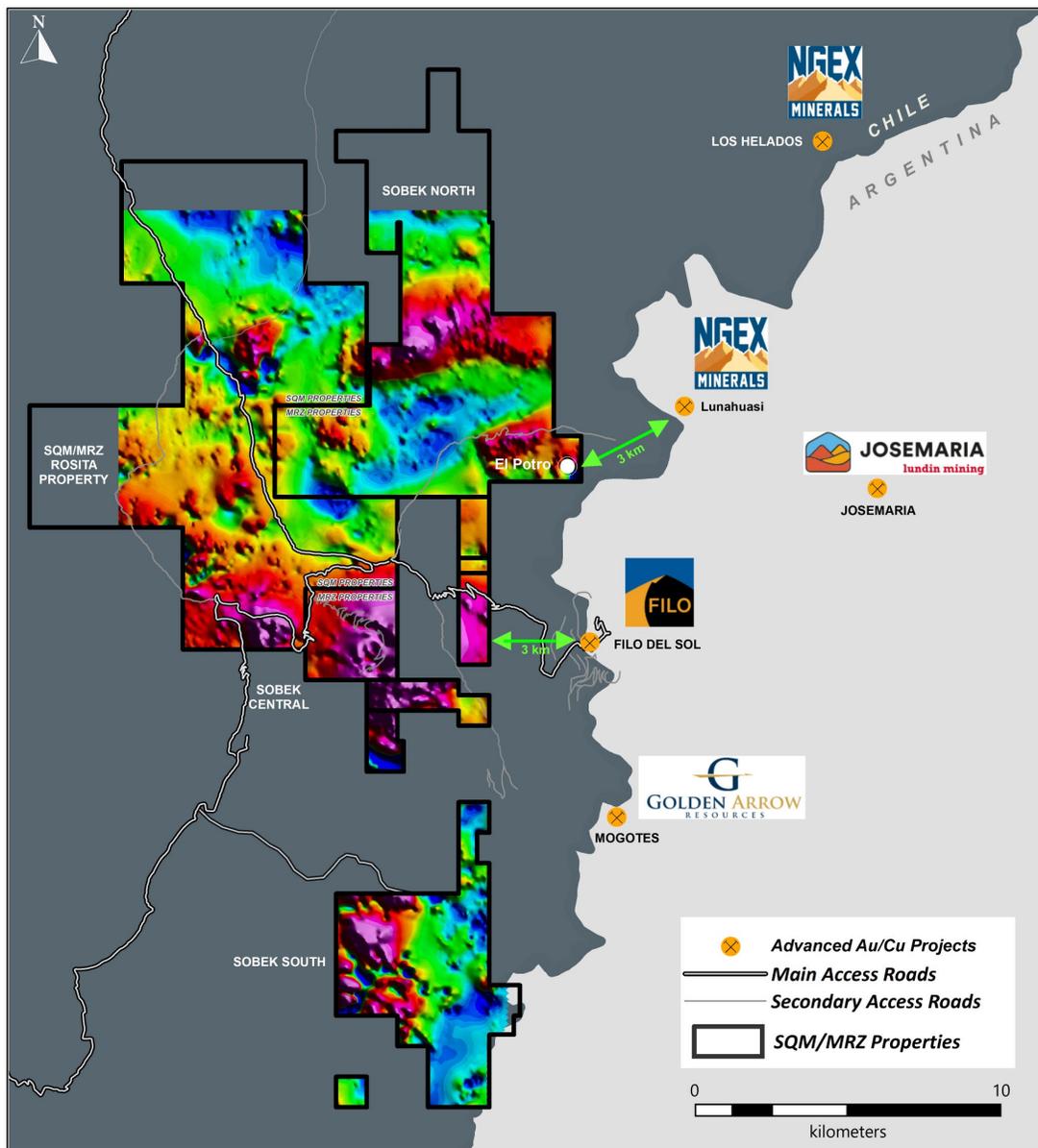
- NGEX Josemaria - Lunahuasi - Los Helados
- Filo Mining - Filo del Sol
- Barrick
- Codelco
- Soquimich (SQM)
- Mogotes Syndicate Mineral Pty.
- Pan American Silver – Las Flechas (X-Yamana)
- Pacific Mining Company(CMP)
- SCM El Morro
- Lagunas Bravas
- + other small companies and individuals....

Vicuña District - Giant Copper-Gold District



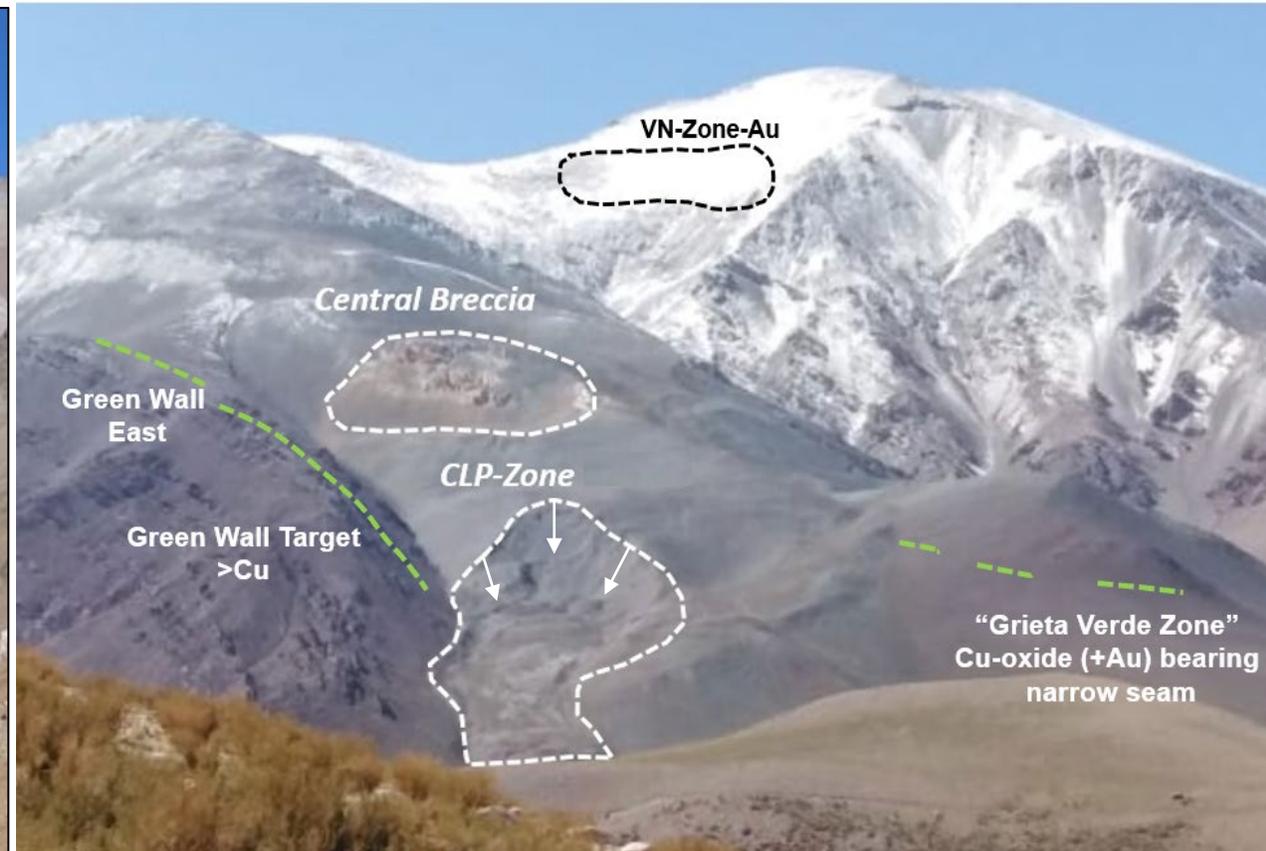
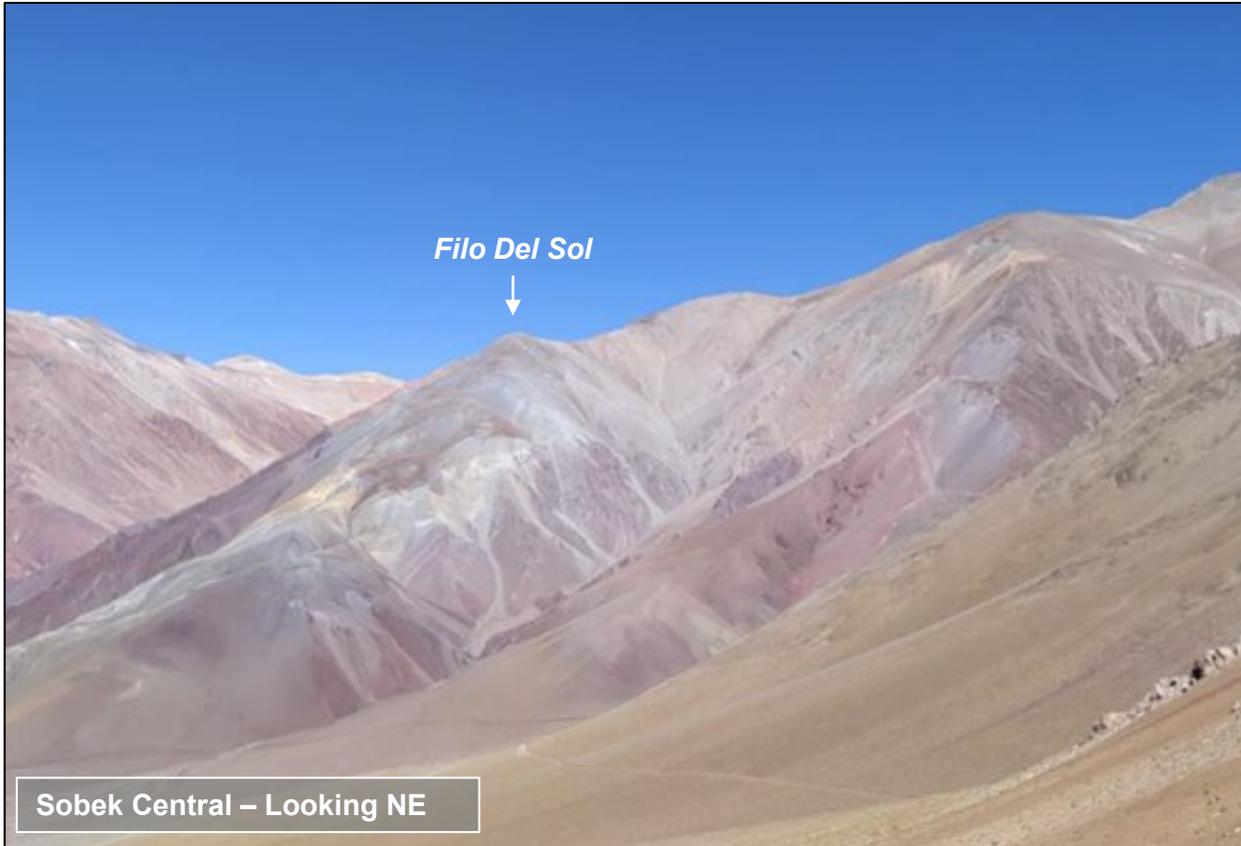
- Sobek & Rosita - located in the globally recognized Vicuña copper-gold district
- Mio-Pliocene age mineral belt, northern Chile
- 3 km west of new Lunahuasi discovery (fmr. Potro Cliffs) by NGEx Minerals
- 3 km west of Filo del Sol with Josemaria to the east and Los Helados to the north
- 11,140 ha, 100% owned Sobek Property
- 11,500 ha, 80% earn-in Rosita Property with SQM
- Porphyry Copper / HSE Gold Project
- Staked based on prospective local geology and structural architecture
- 3-hour drive from Copiapo along 114kms of paved highway, and 40kms of well-maintained gravel roads

Sobek / SQM Rosita - Regional AirMag Survey



Strong alteration in new SQM Rosita package

Sobek Central - Prospects



The initial reconnaissance campaigns confirmed the presence of interesting mineralization and alteration, it what appeared to be a very under explored part of the district,

Original Anomalous Gold in Select Rock Samples from the VN Zone

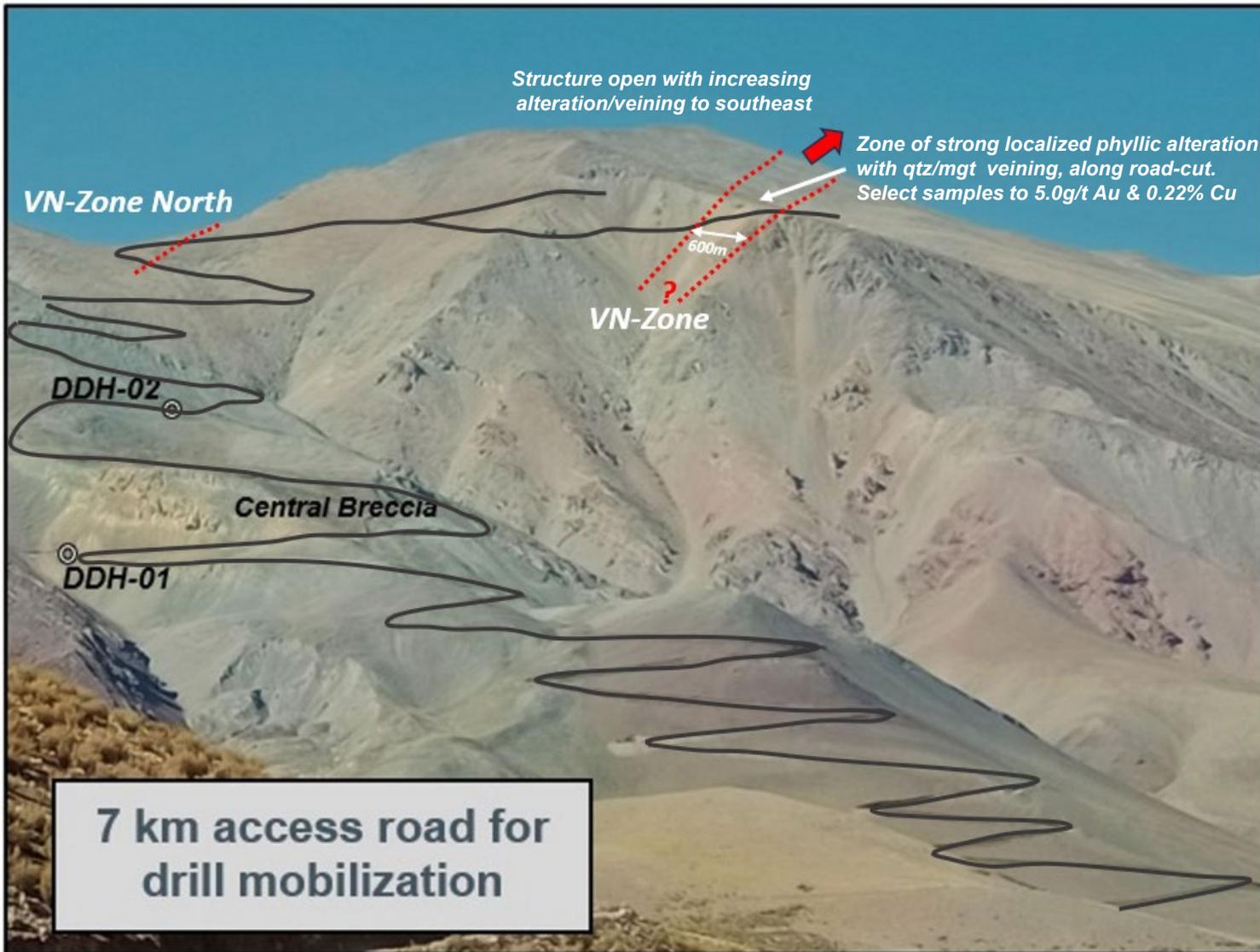
Sample	Au-ppm	Cu-ppm
MCR0024669	0.241	234.00
MCR0025102	1.610	767.00
MCR0025103	1.040	260.00
MCR0025104	0.123	100.00



Petrology Sample MCR0025103

Recent Samples from the VN Zone up to **5.0 g/t Au** & **0.22% Cu**

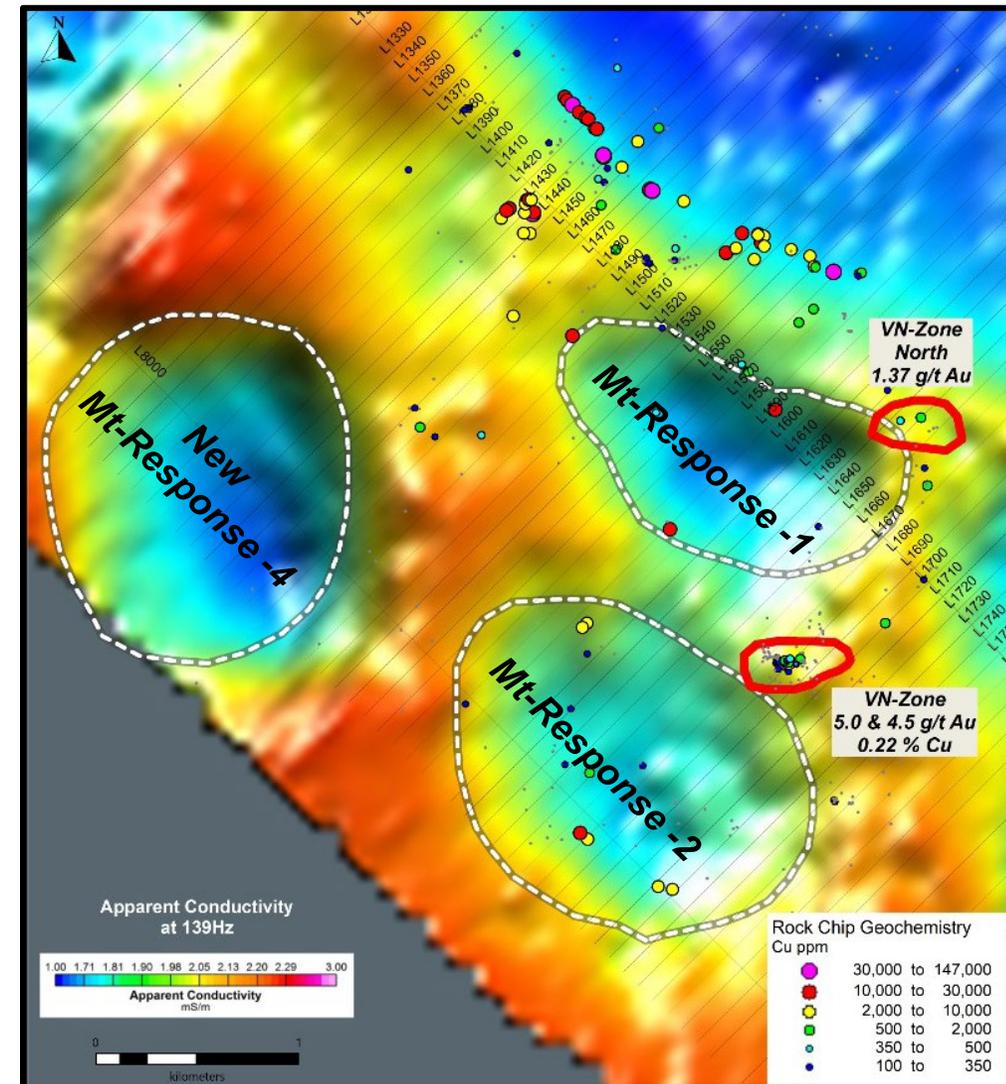
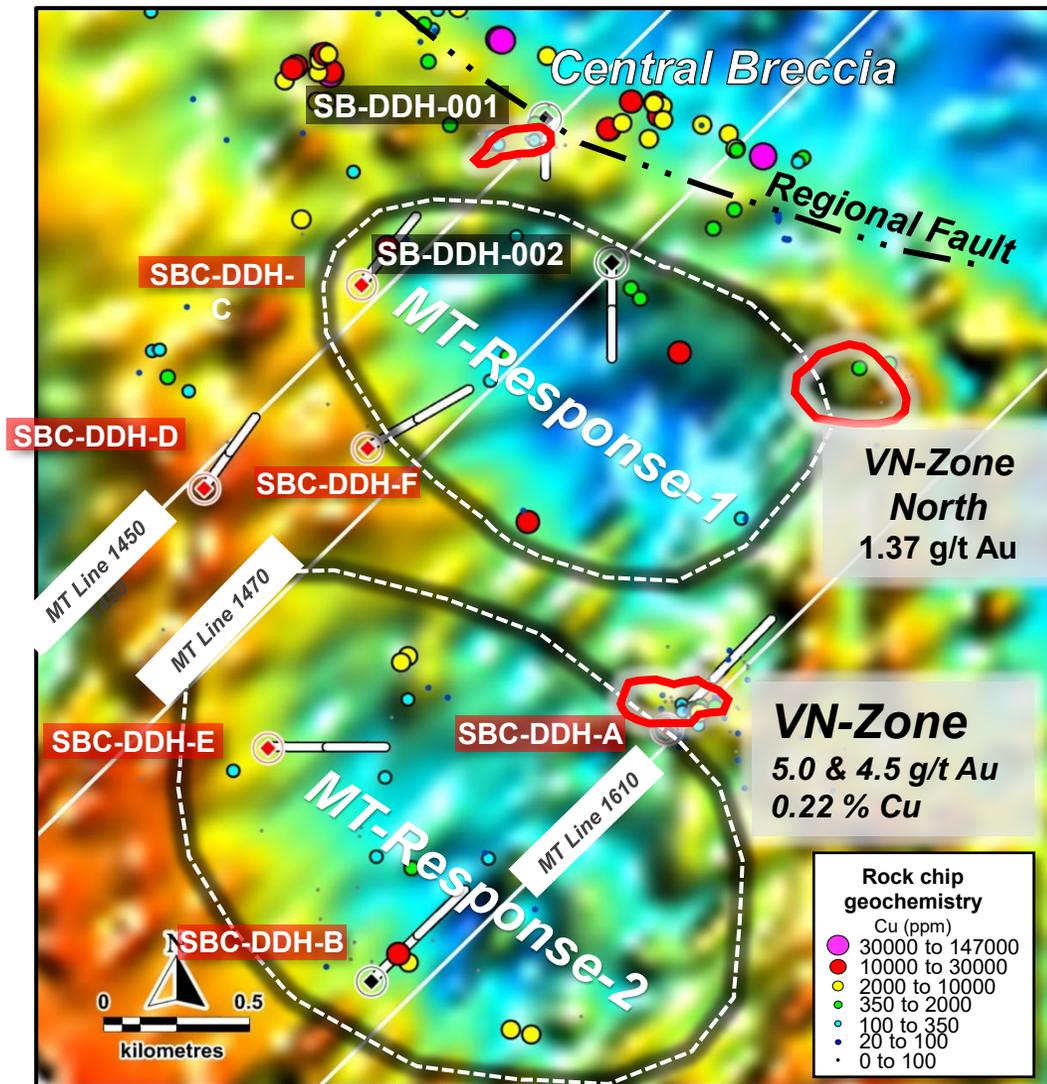
Sobek - Access Road to VN-Zone



- Road-cut channel sampling complete with geochemical results pending
- Electrical IP Pole-DiPole Geophysical survey currently underway at VN-Zone

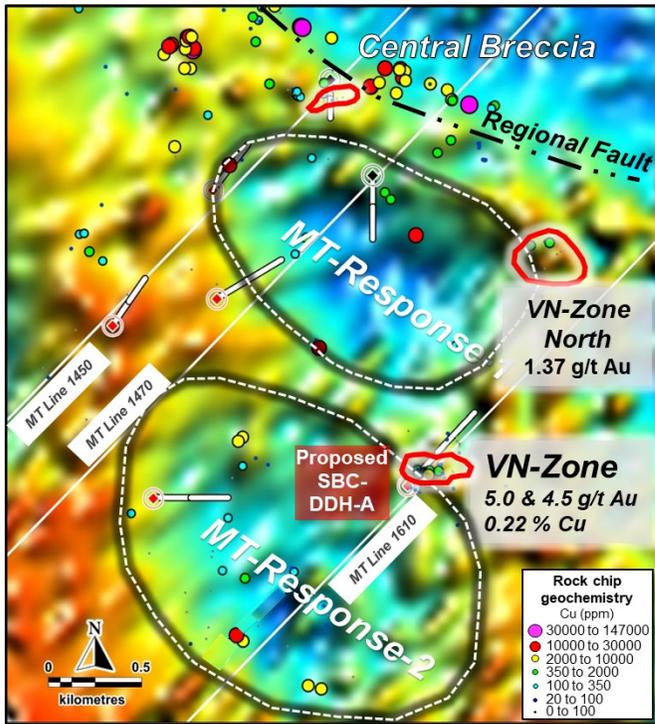
Cu/Au mineralized "M" Veins along road-cut

Sobek - Mobile MT Survey – “Cluster” of Oval MT-Targets

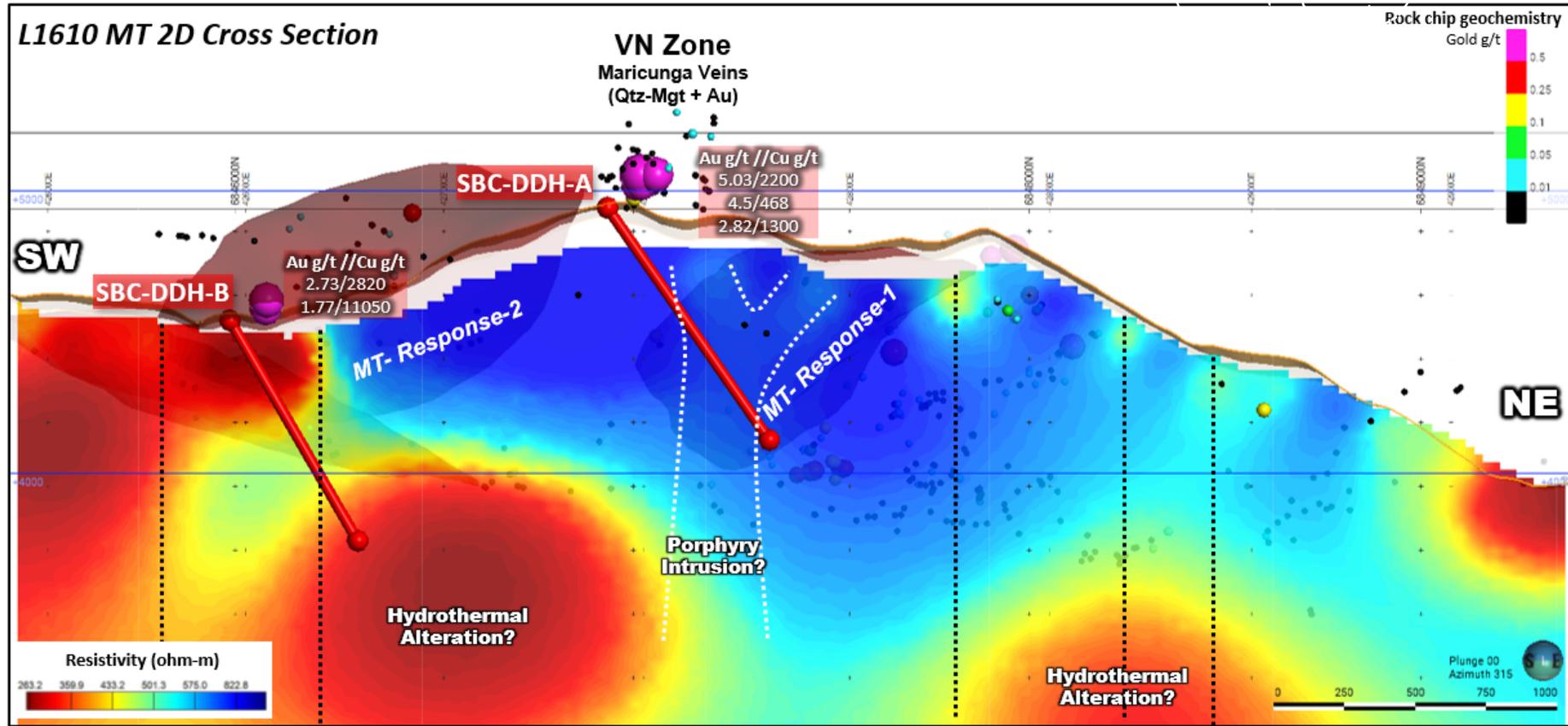


Additional strong MT target to evaluate to the west

Sobek - Priority Drill Target - VN Zone Cross Section



Sobek Central – airborne Mobile MT geophysical survey responses with new drill target

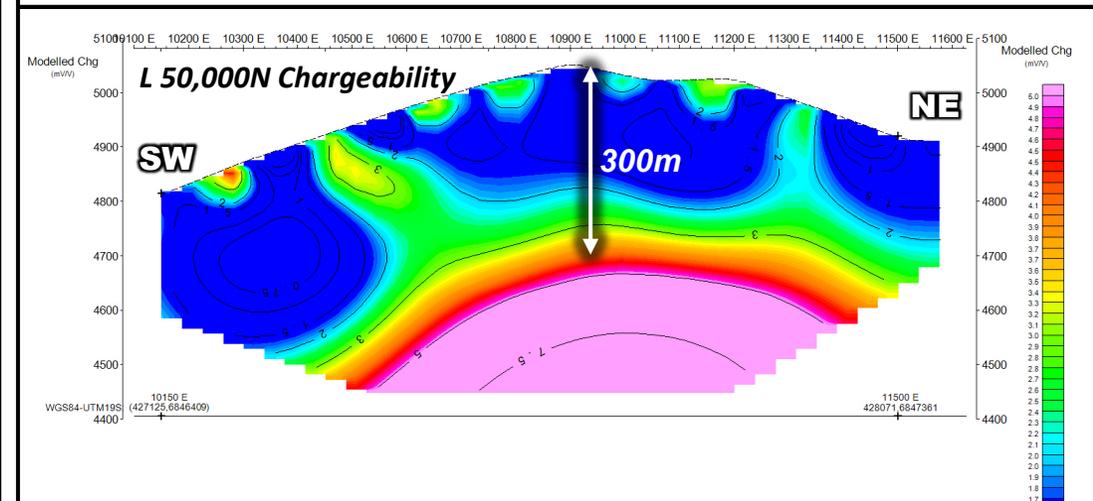
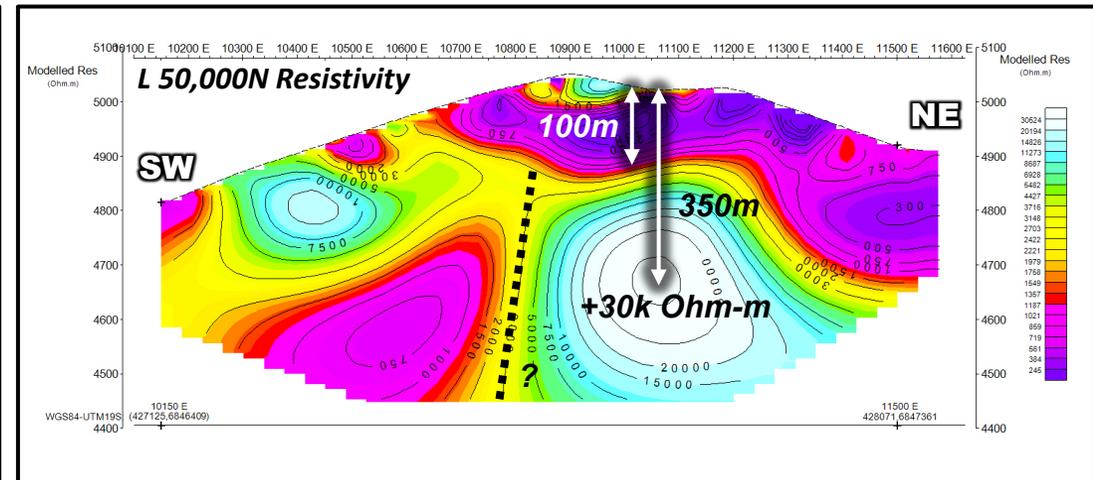
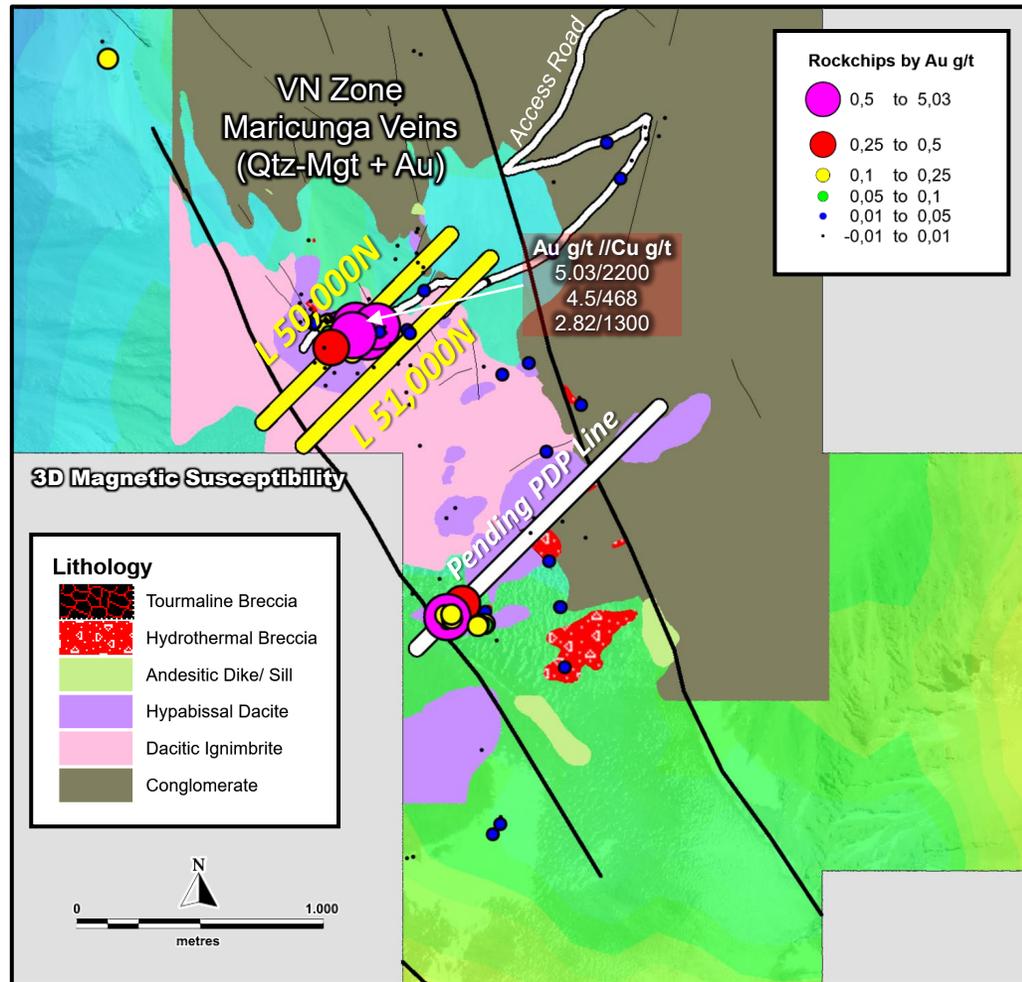


→ Proposed drill hole SBC-DDH-A at the VN Zone

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Sobek - VN Zone Cross Section– Underlying IP Geophysics

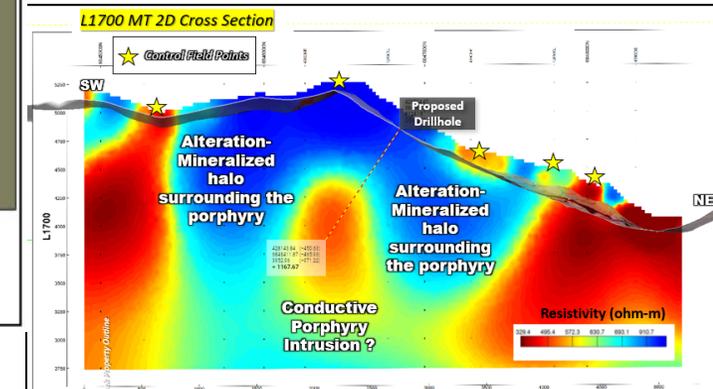
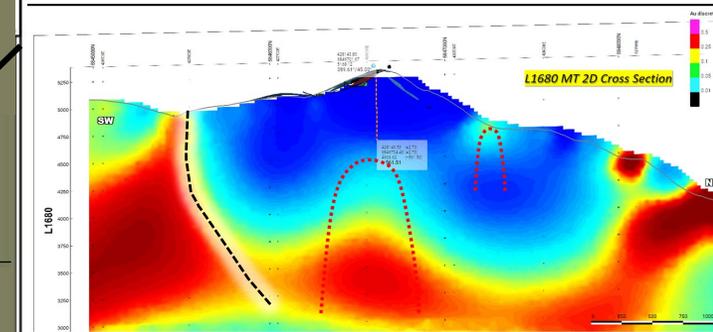
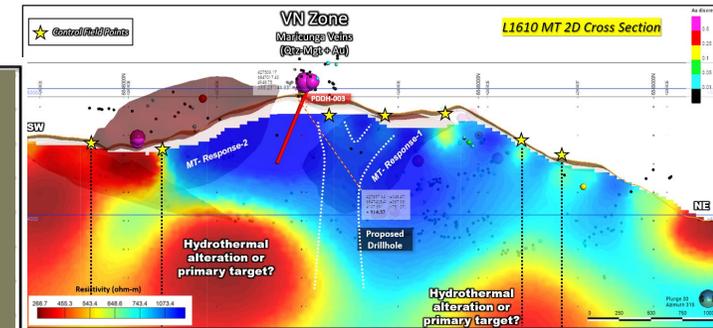
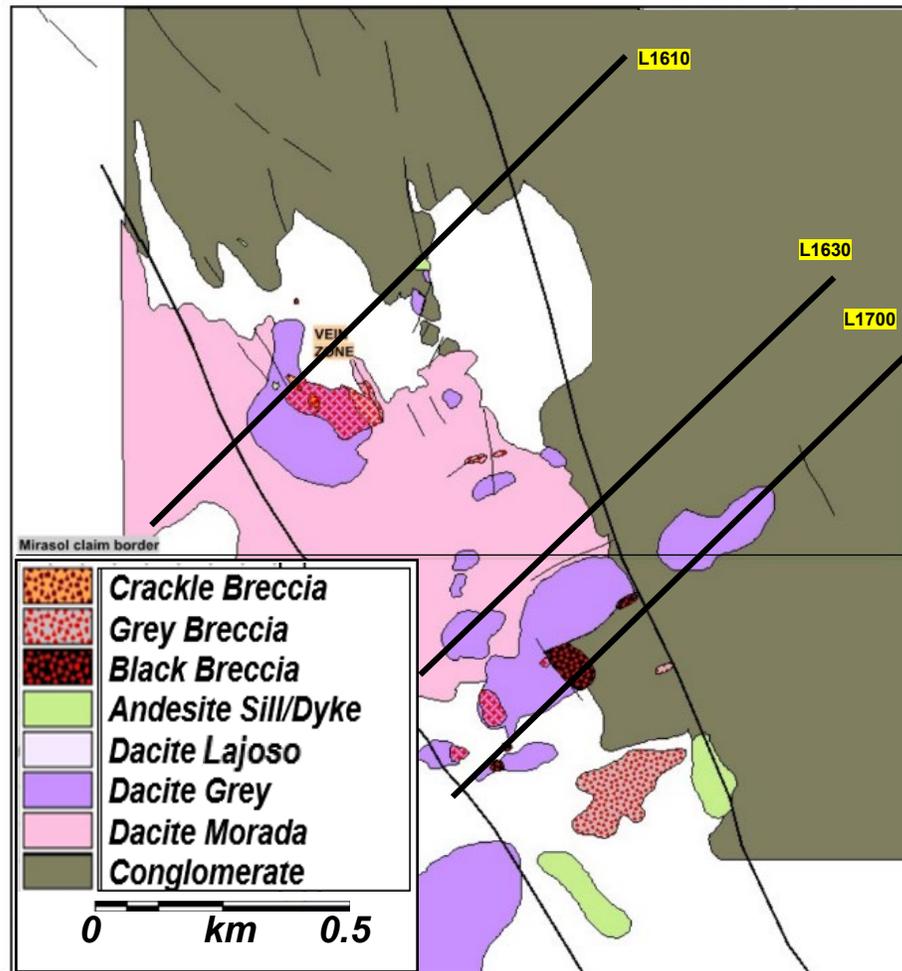
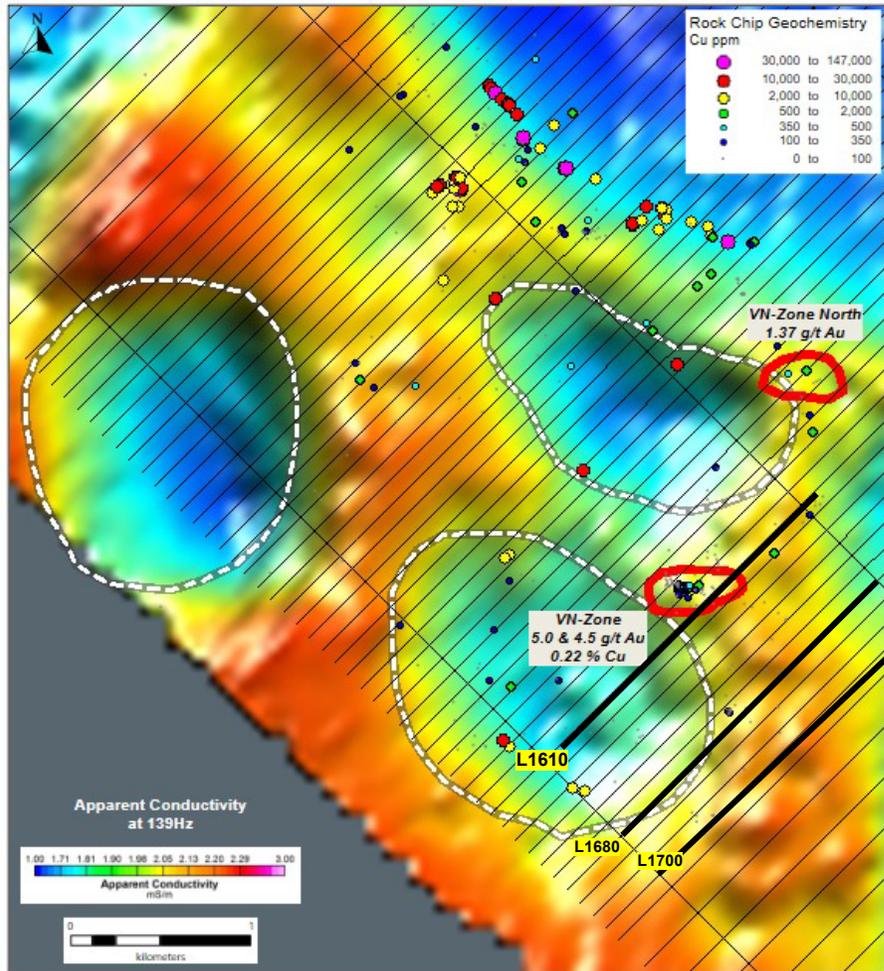


Mirasol Inhouse IP - Electrical Geophysical lines at Sobek Central, VN Zone

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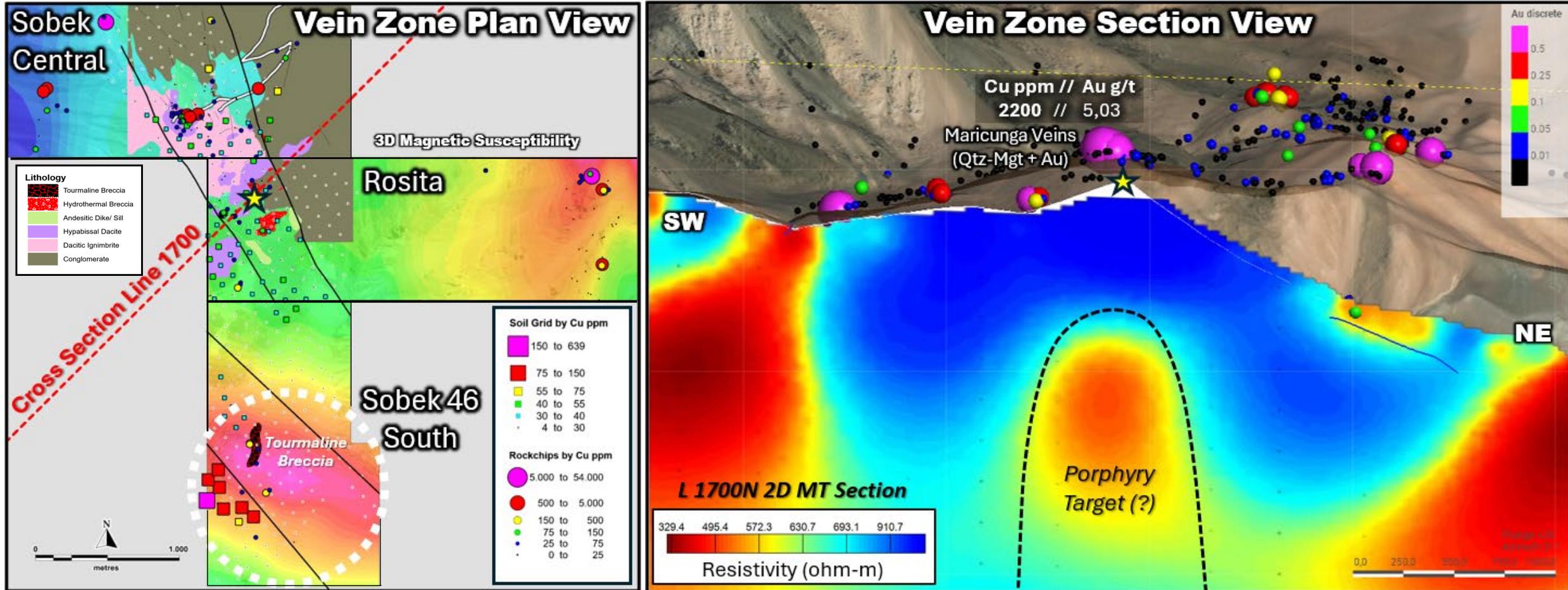
Sobek - VN Zone and South Extensions

Airborne MT Sections & Local Geology



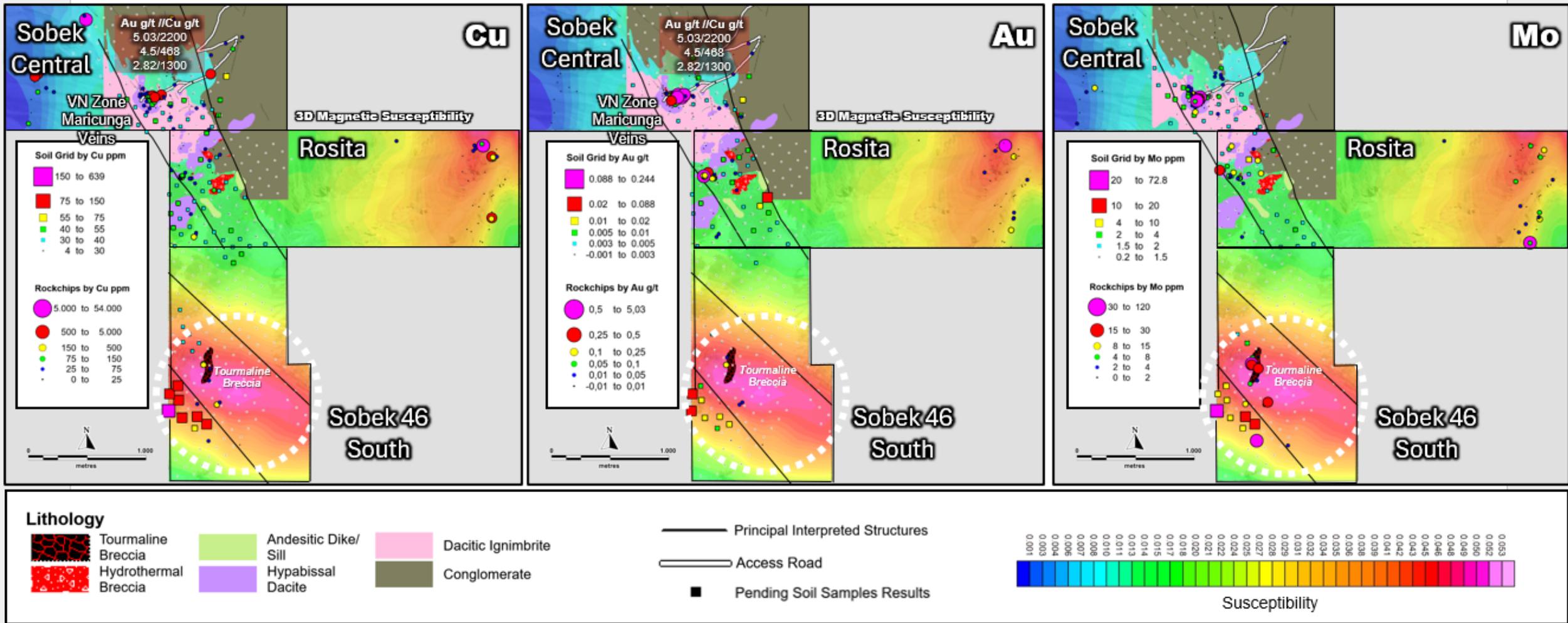
Sobek - VN Zone and South Extensions

Airborne MT Sections & Local Geology/Geochemistry



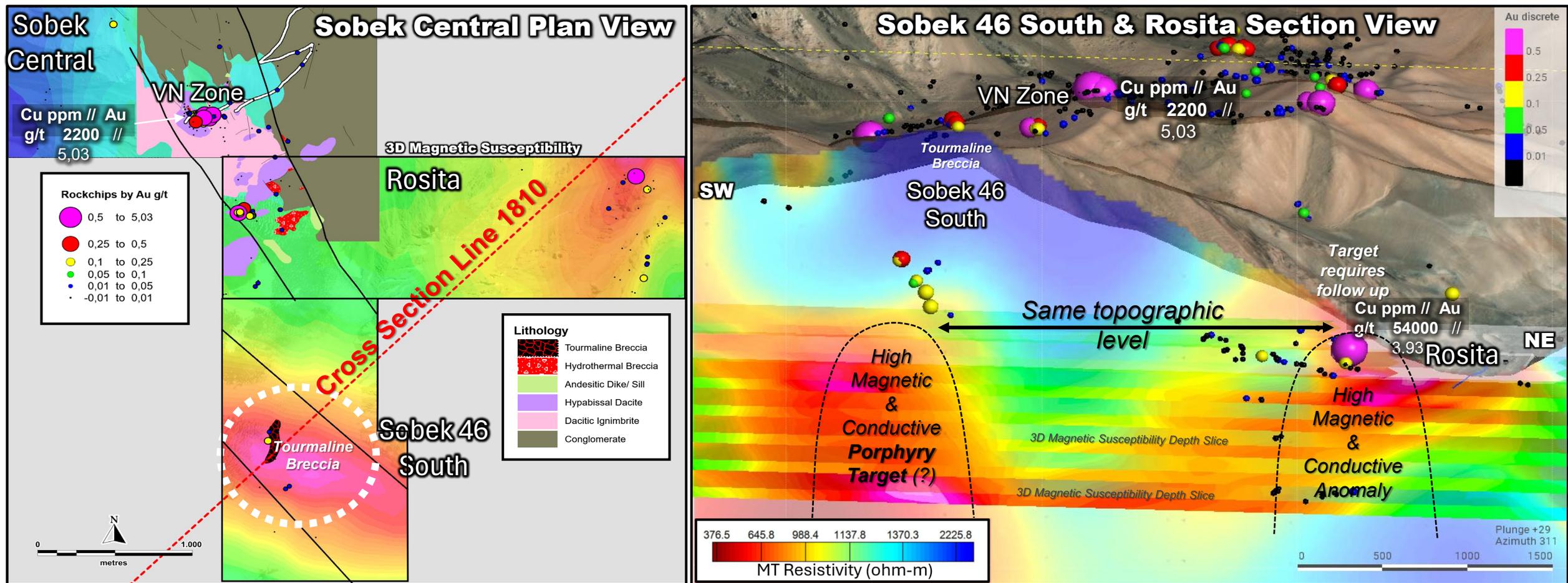
Sobek - VN Zone Extension – Rosita and Sobek 46 South

Magnetic Susceptibility – Soil/Rockchip Geochemistry



Sobek - VN Zone Extension – Rosita and Sobek 46 South

Magnetic Susceptibility – MT Conductivity



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Sobek - “El Nino” has been Active in the High Andes



This weather event resulted in the loss of at four weeks of prime exploration mid-season

Sobek - “El Nino” brings an early winter to the High Andes



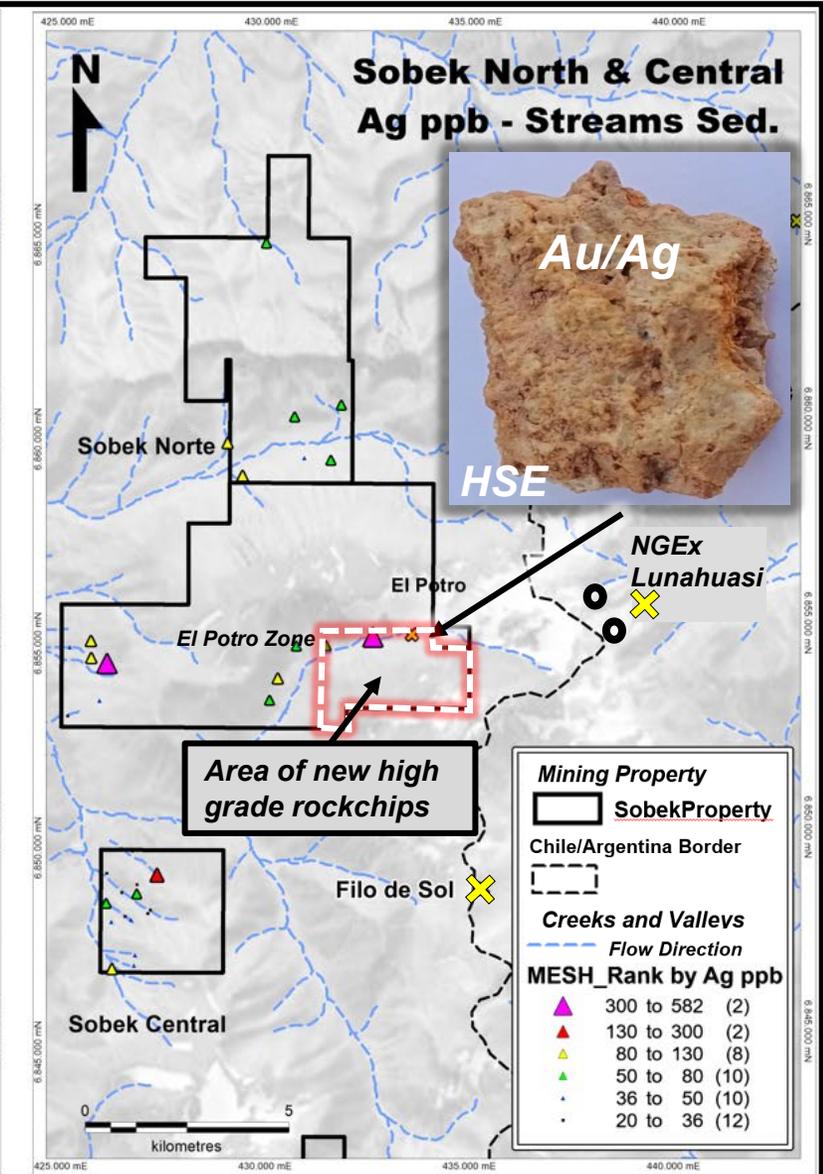
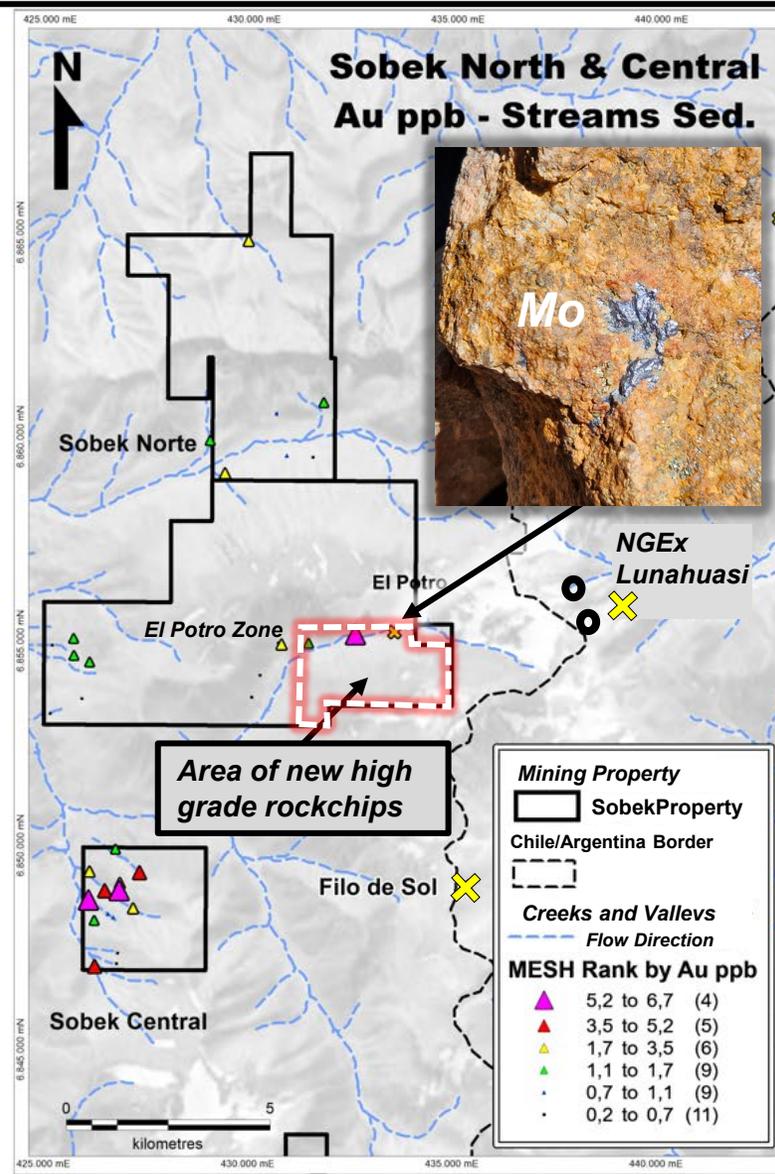
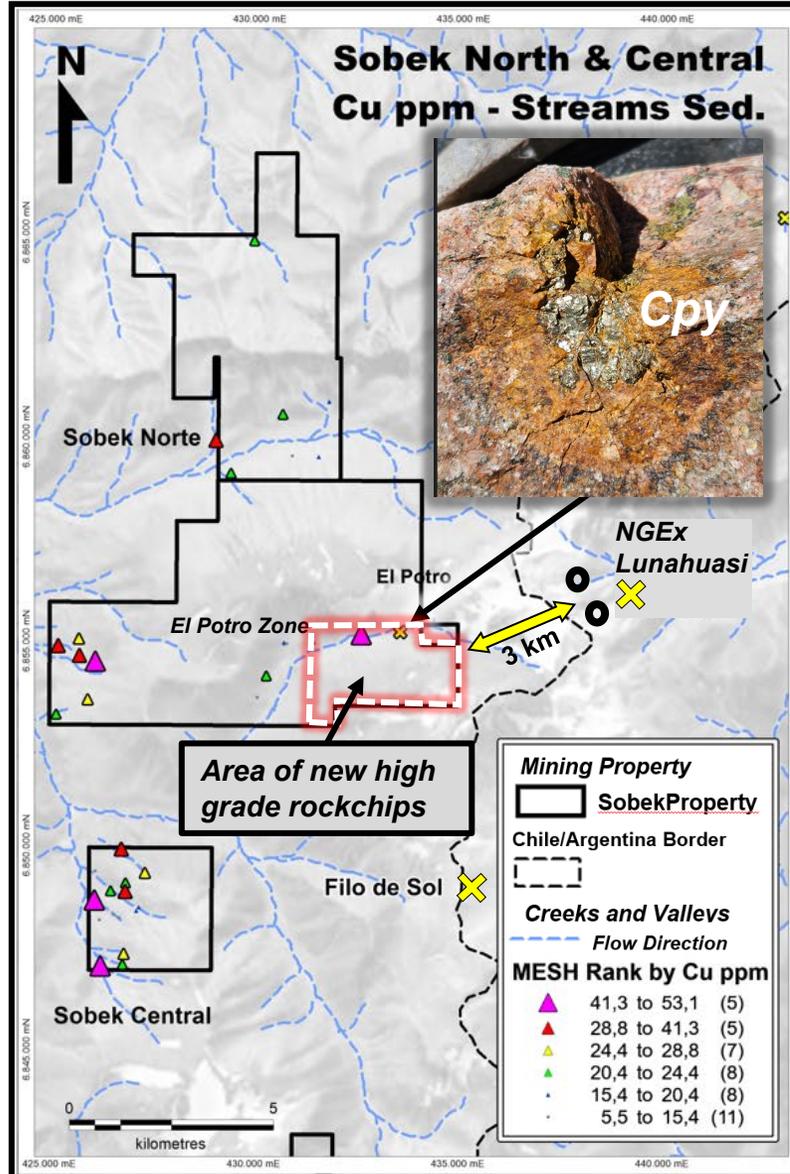
The exploration season in the Vicuña district abruptly came to a halt after several days of continuous heavy snowfall. Almost 2 month earlier than last season.

Sobek Central – Progress of Exploration

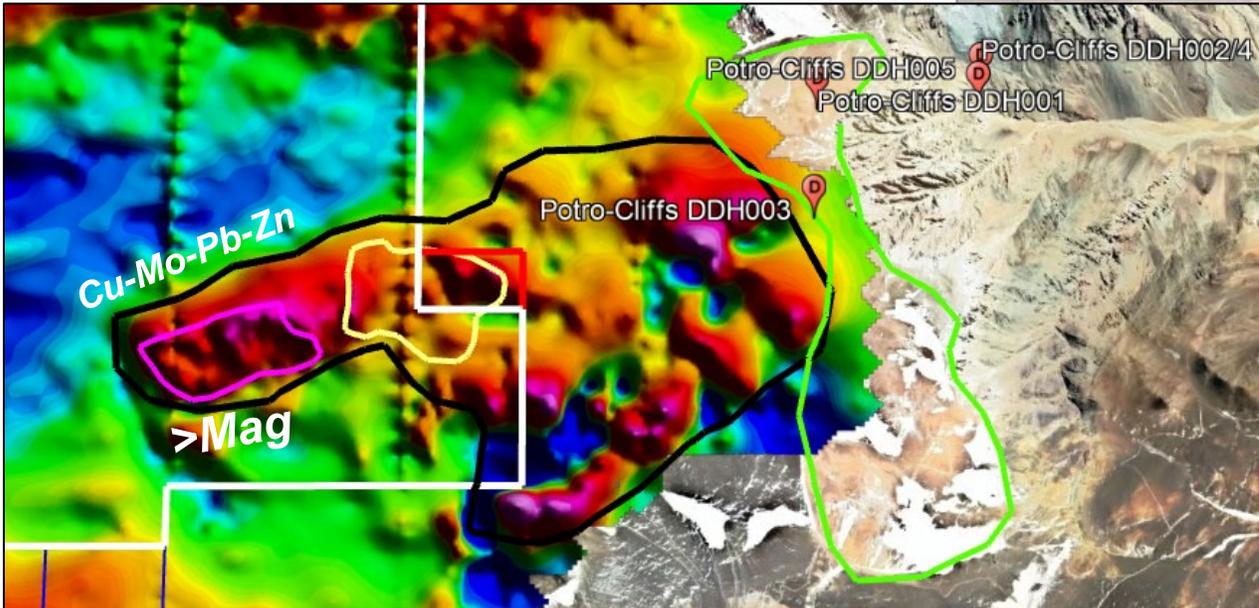
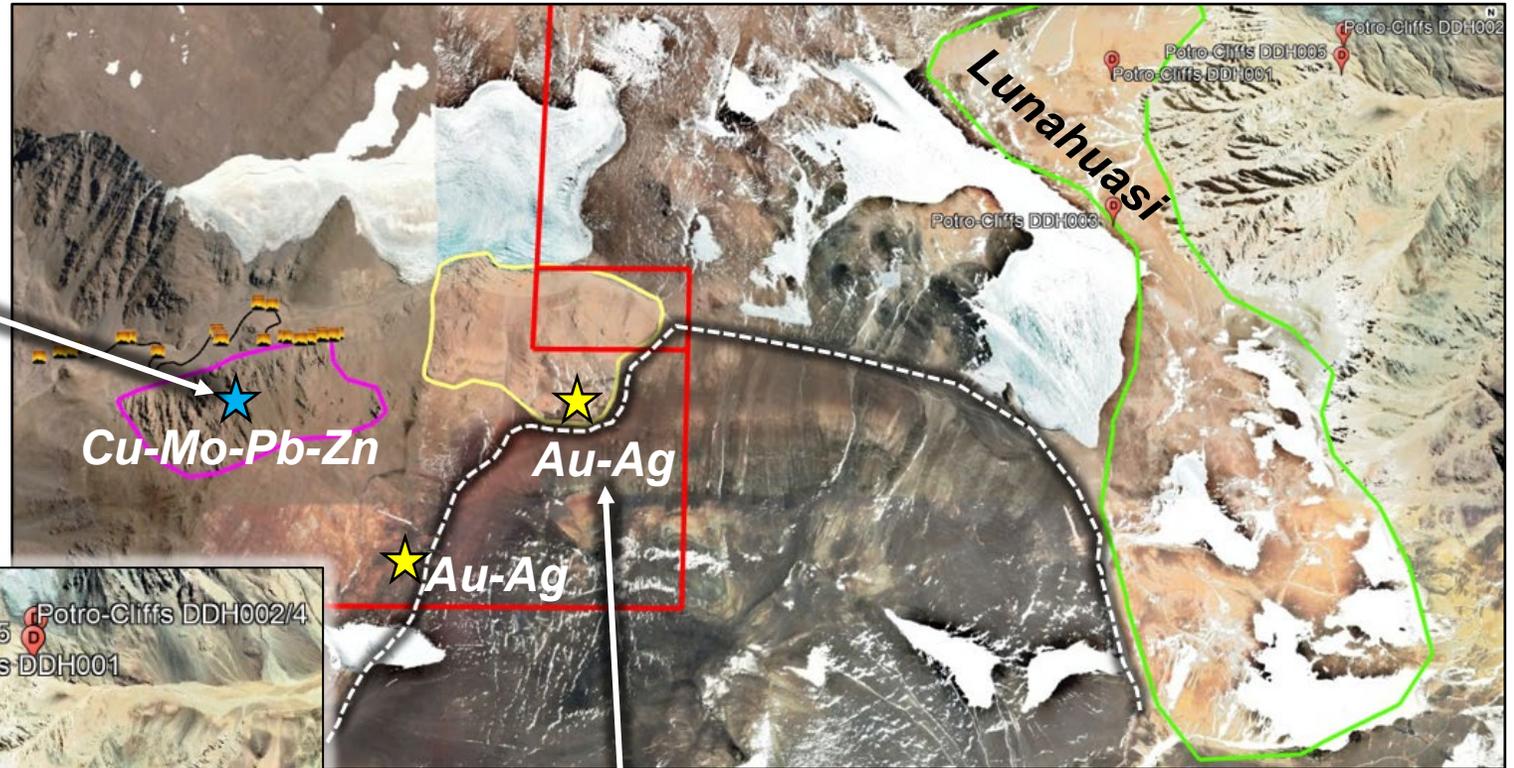
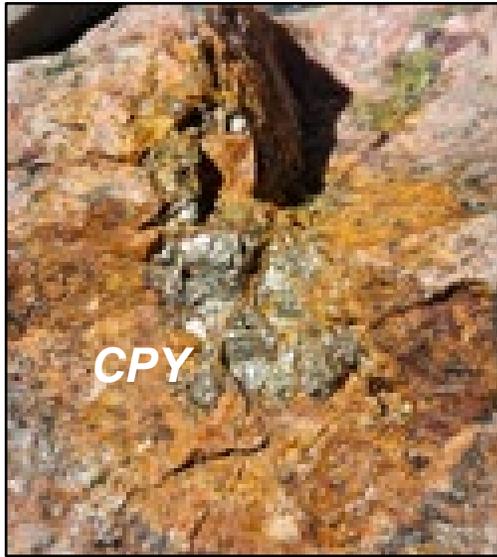


- ✓ Completed access road to the VN-Zone
 - ✓ Road-cut has served as a trench to expose mineralized sheeted vein zones
- ✓ Detail geological and structural mapping
- ✓ Geochemical sampling and alteration analysis
- ✓ IP ground geophysics to refine targets (2 IP lines)
 - Stream sediment sampling program & prospecting Rosita claim block ongoing
 - Continue maiden drill program at the VN-Zone
 - 1,000- 1,500m proposed in 2-3 holes (Oct-2024)
- Refining Drill Targets for Final Evaluation

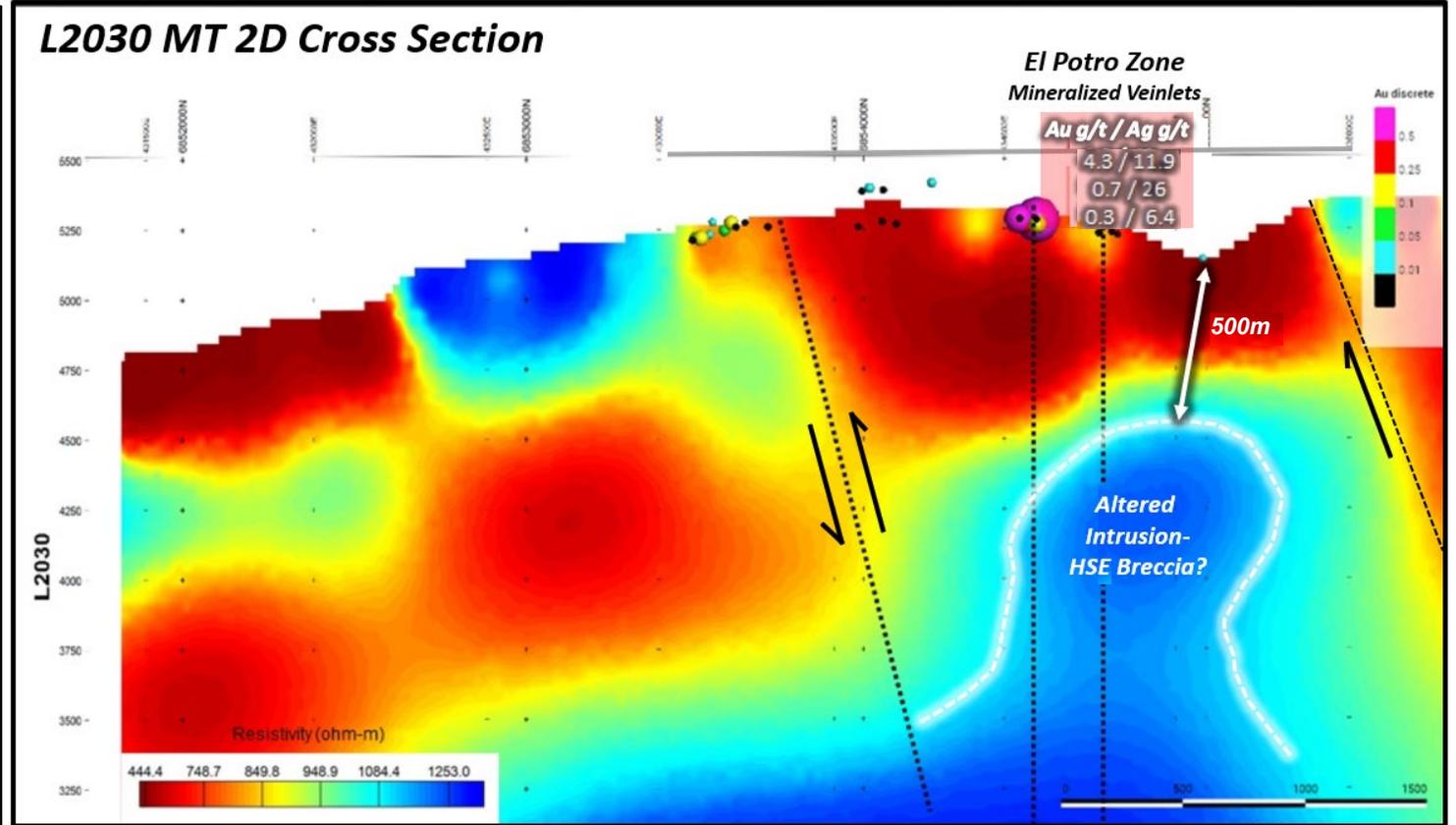
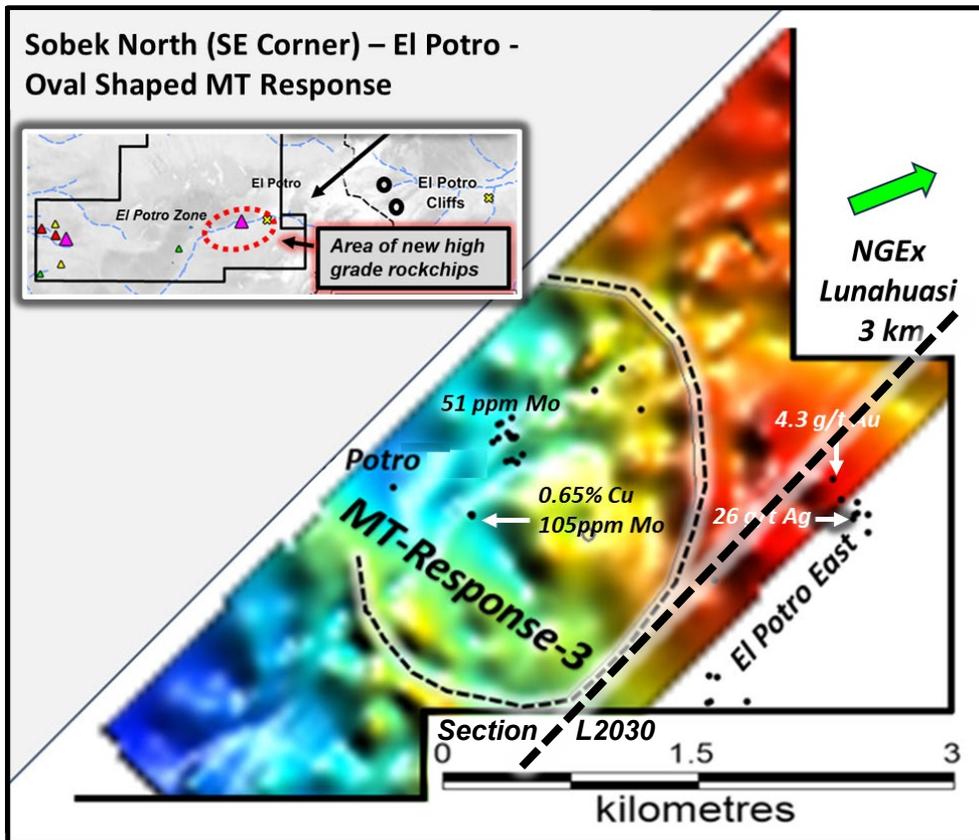
Sobek North - Stream Sediment & Rockchip Anomalies



Sobek North - Stream Sediment & Rockchip Anomalies



Sobek North – El Potro Prospect - New Priority Targets

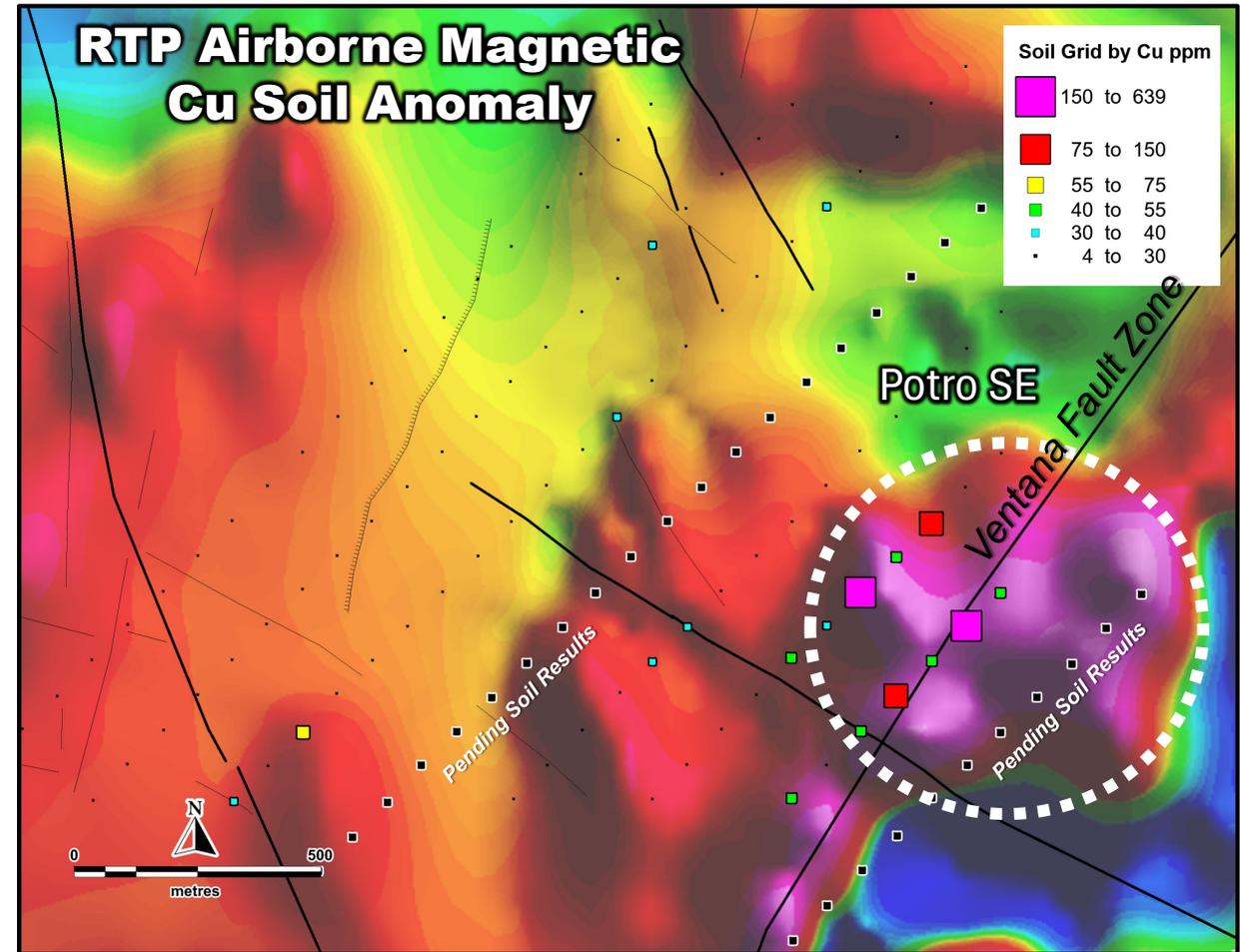
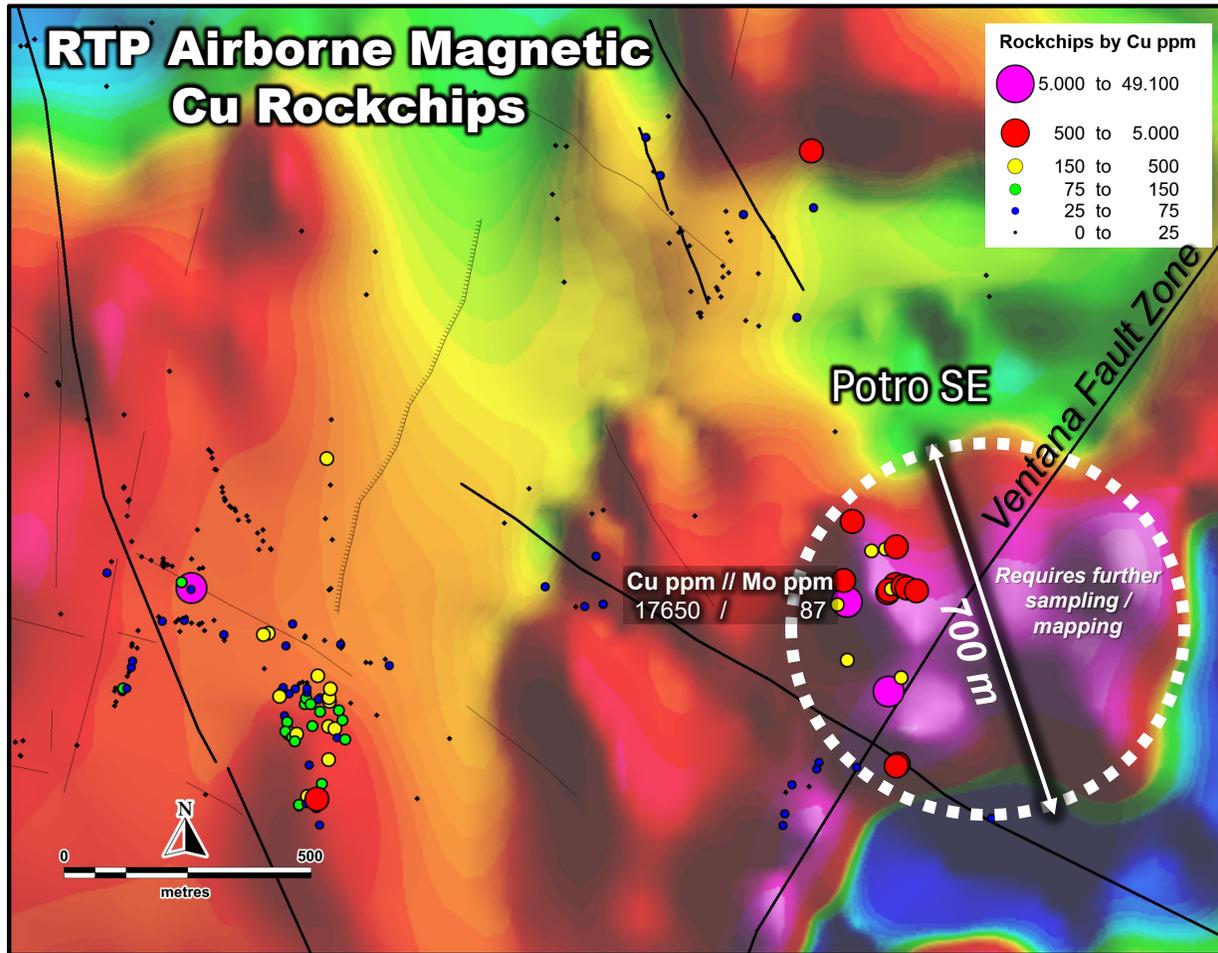


- 3km from NGEx discovery at Lunahuasi
- 13 km² Mobile MT Survey flown
- Select rock chip samples up to 4.3g/t Au and 25.9g/t Ag

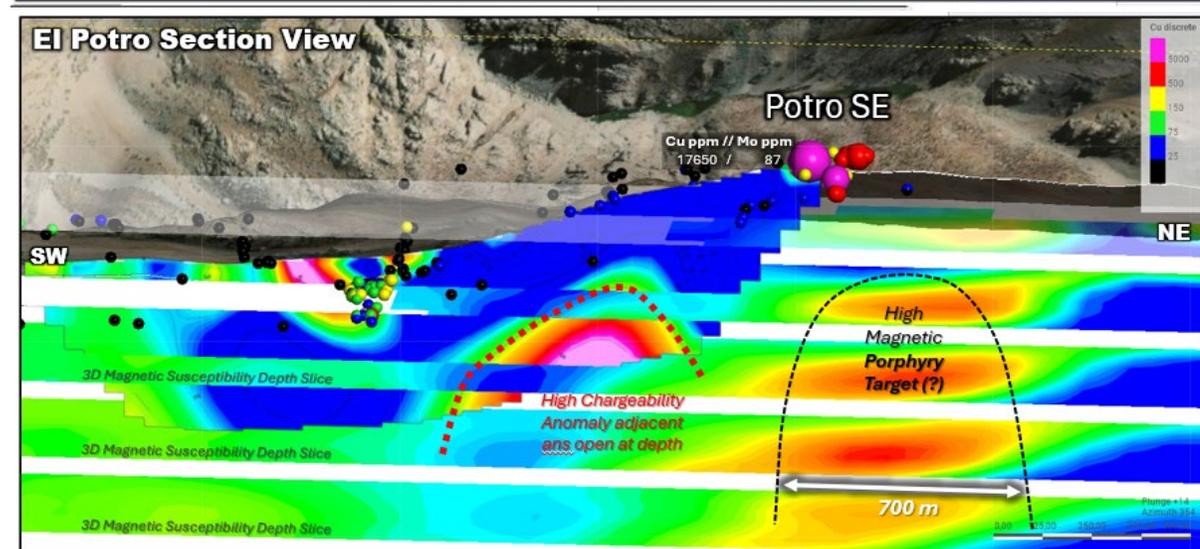
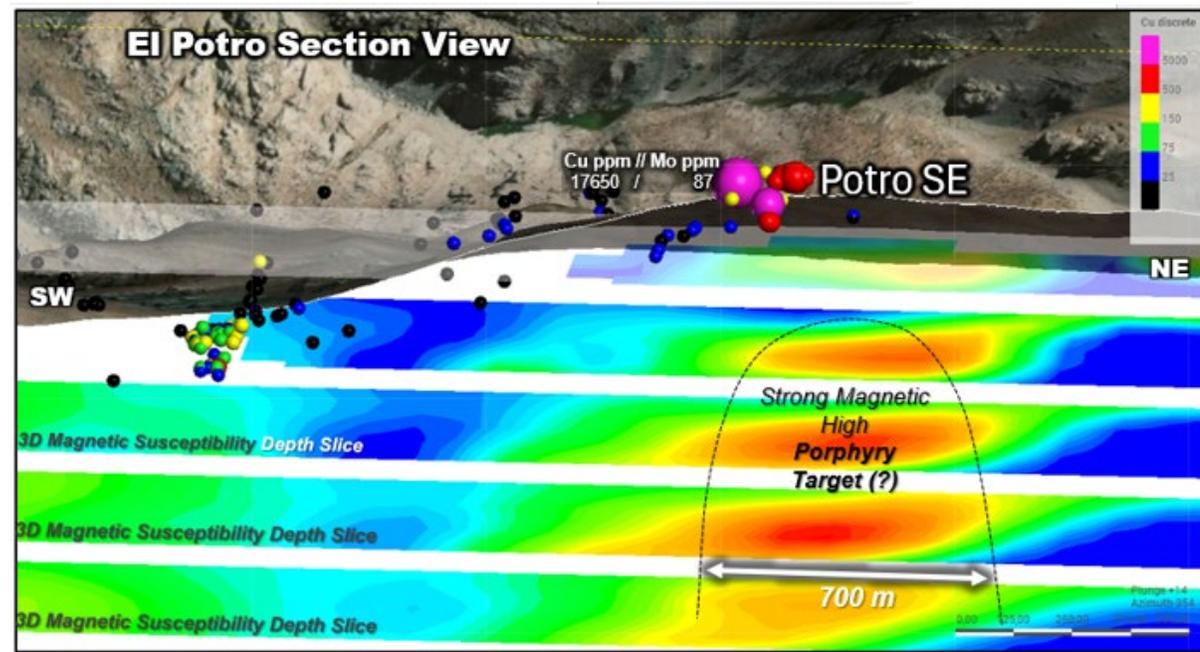
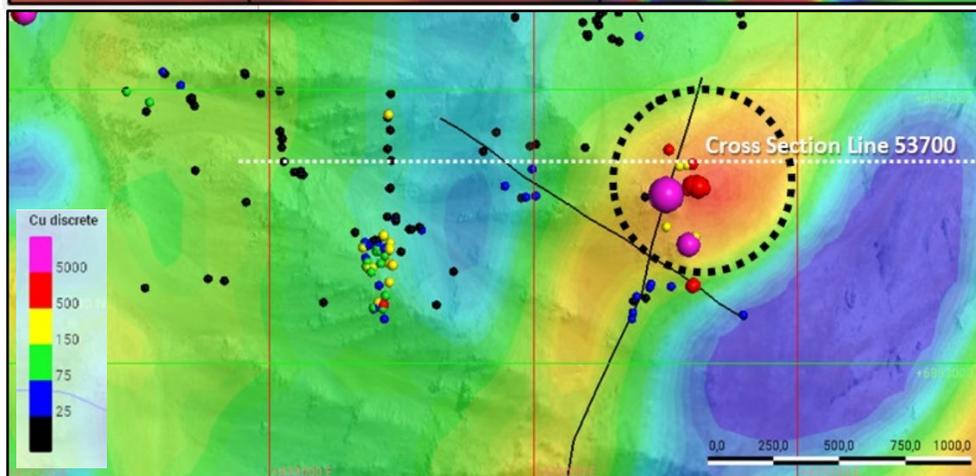
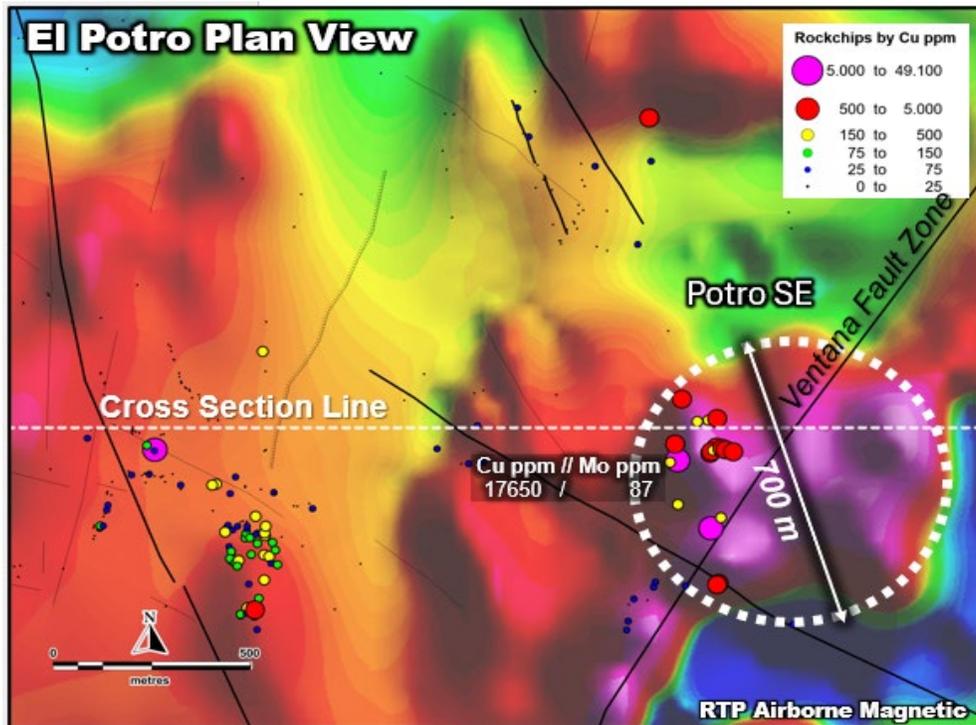
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Sobek North – El Potro Prospect

Potro SE New Priority Target



Sobek North – El Potro - New Potro SE Priority Target



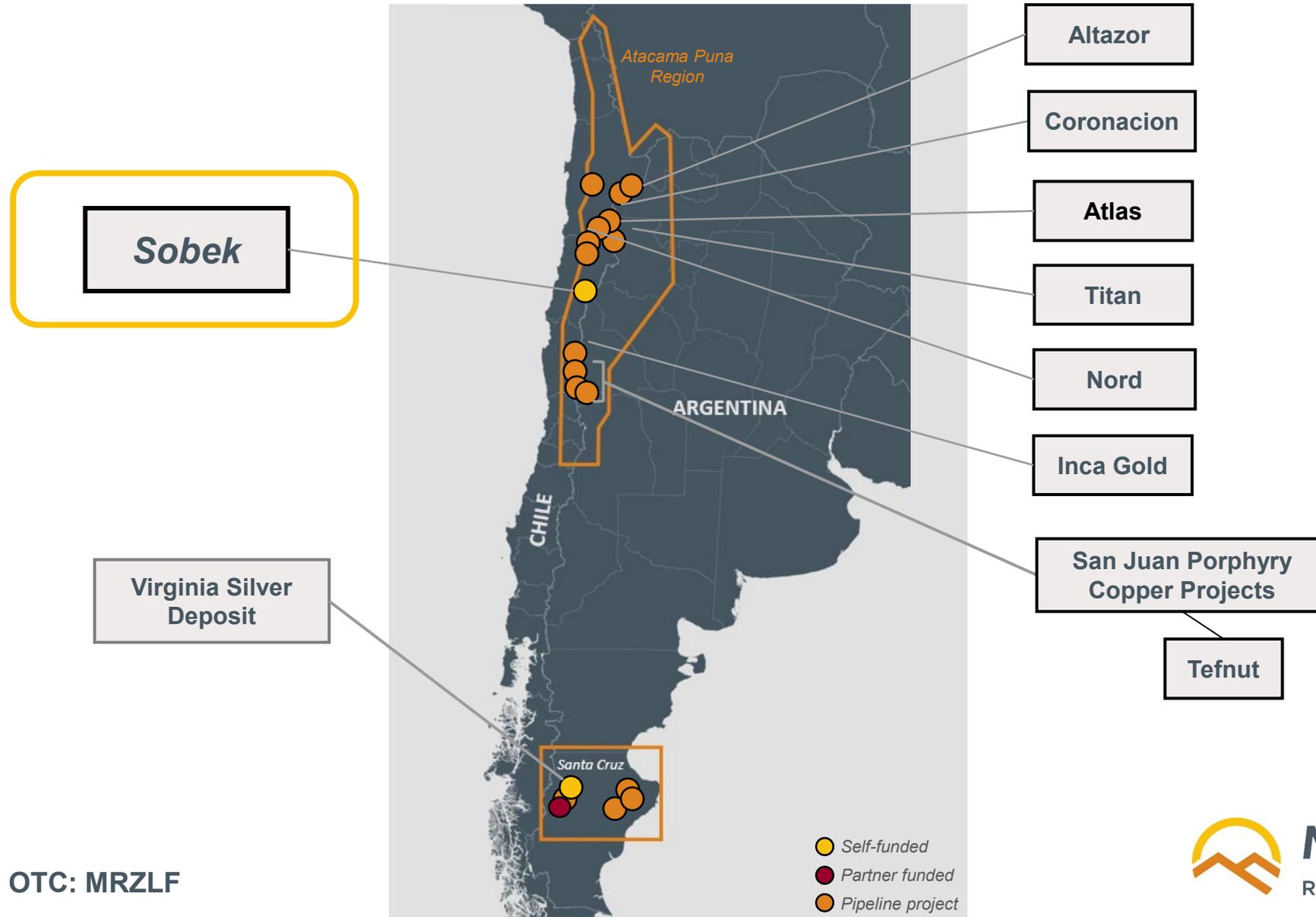
Sobek North – El Potro – **Exploration Activities**



- ✓ Environmental clearance for Sobek North – “El Potro”
- ✓ Existing road clean-up and new extension to East Zone
 - ✓ *New road in “El Potro East” has cut interesting copper mineralized fractures/veinlets in strong clay altered rocks*
- ✓ Detail geological mapping and sampling of the HSE zone at Potro East
 - Generate an exploration model for the high-grade gold and silver (<5g/t Au, 25g/t Ag) values (Lunahuasi Model)
 - Geophysical IP surveys (Gradient Array and Pole Dipole) to test the upper zones of HSE / Porphyry MT anomaly (500-700m depth)

→ **Refining Drill Targets for Final Evaluation**

Extensive Project Portfolio - Pipeline of Opportunities



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Appendix



Sobek Project, Chile

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Market Cap Growth – Impact of a Discovery



Board of Directors



Patrick Evans

Chairman of the Board

- Appointed to the board in 2016
- Over 20 years of senior management experience in various public mining companies



Nick DeMare

Director

- Chartered Professional Accountant
- Over 30 years of accounting, management and securities regulatory compliance experience



Tim Moody

Director

- B.Sc. in Geology and Geophysics
- Over 30 years of experience in the mining industry, with expertise in mineral exploration, resource assessment, business development and corporate strategy



Diane Nicolson

Director

- B.Sc. in Geology and a PhD in Economic Geology
- Over 20 years of experience in mineral exploration especially in Latin America



John Tognetti

Director

- Over 30 years of experience in the finance industry
- Leading financier of the global resource sector

Management Team



Tim Heenan

President, CEO & Director

- Over 30 years of exploration & operating experience in Central and South America
- Involved in several high-profile projects including the famous Cerro Negro Mining District in Argentina



Troy Shultz

VP Investor Relations

- Over 15 years of investor relations experience in the mining industry
- Including Pretium Resources as the Brucejack Mine progressed from permitting to production and acquisition by Newcrest Mining



Carmen Cazares

Chief Financial Officer

- Chartered Professional Accountant
- Broad operational and accounting background with more than 30 years of experience



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