



Sobek Project, Chile



MIRASOL

RESOURCES LTD

FOCUSED ON DISCOVERY

TSX-V: **MRZ**
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Annual General Meeting
June 11, 2024

MIRASOL RESOURCES

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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.

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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

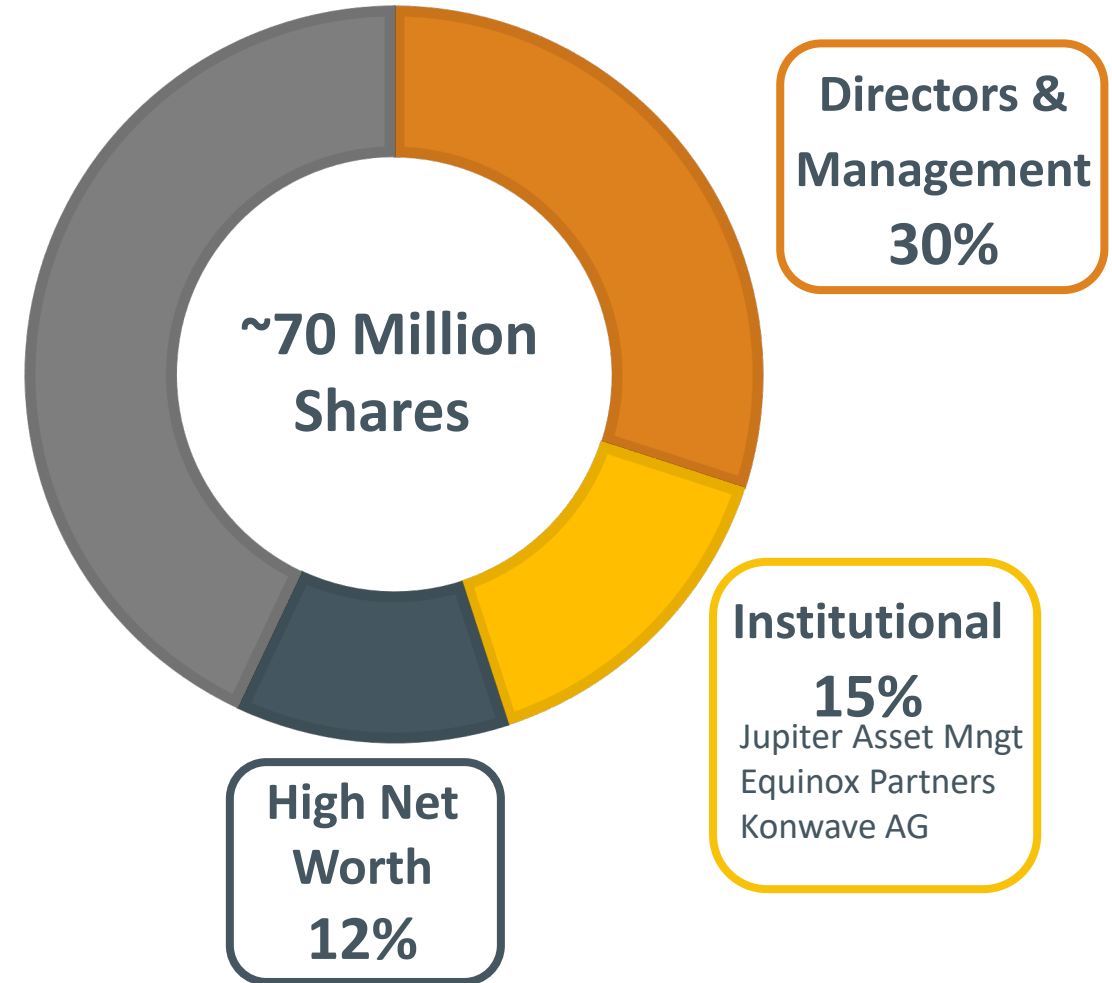
69.7M

Shares Fully Diluted

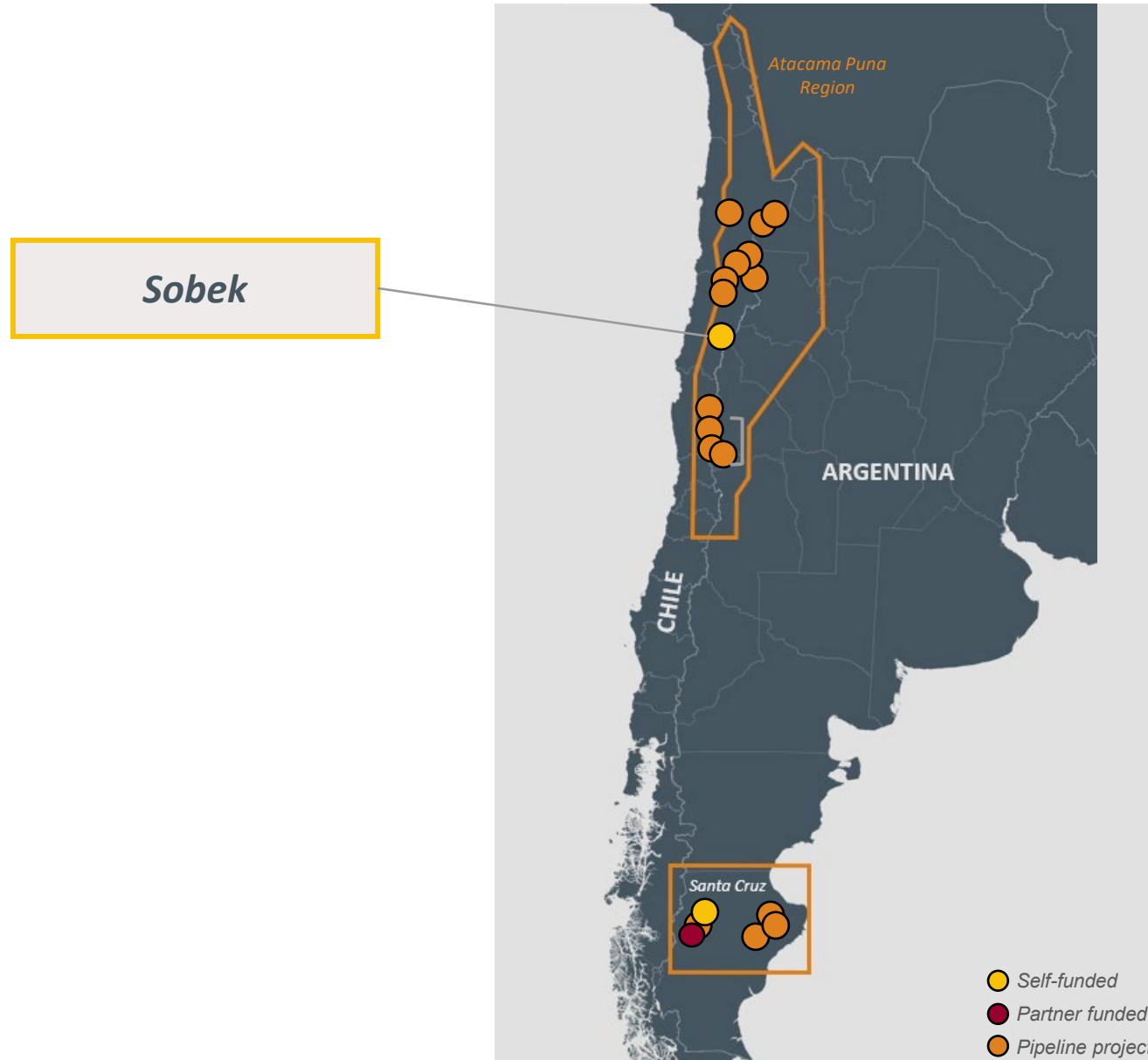
71.7M

Market Capitalization

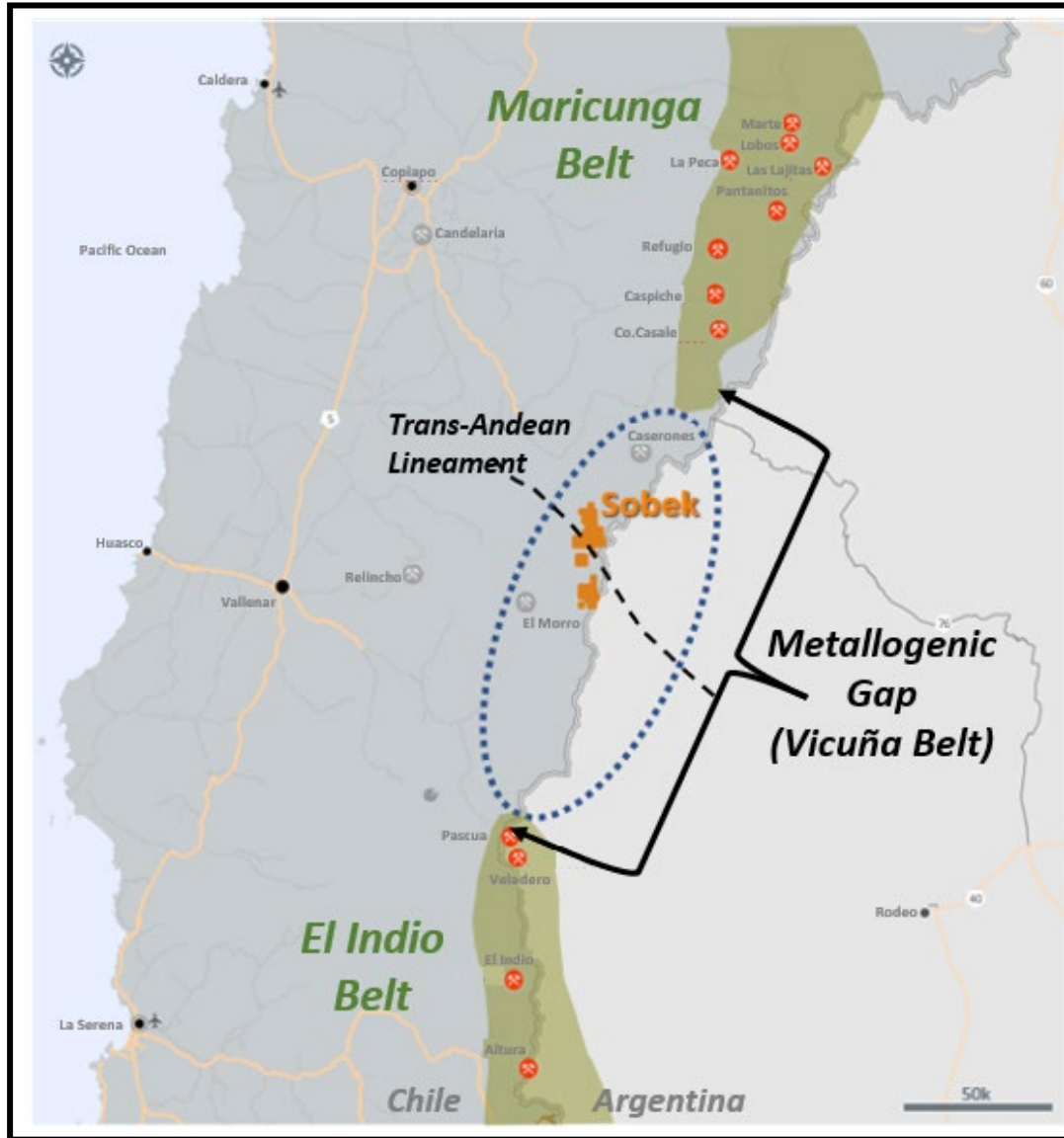
~C\$32M



Flagship - Self-Funded & Active Project - Sobek



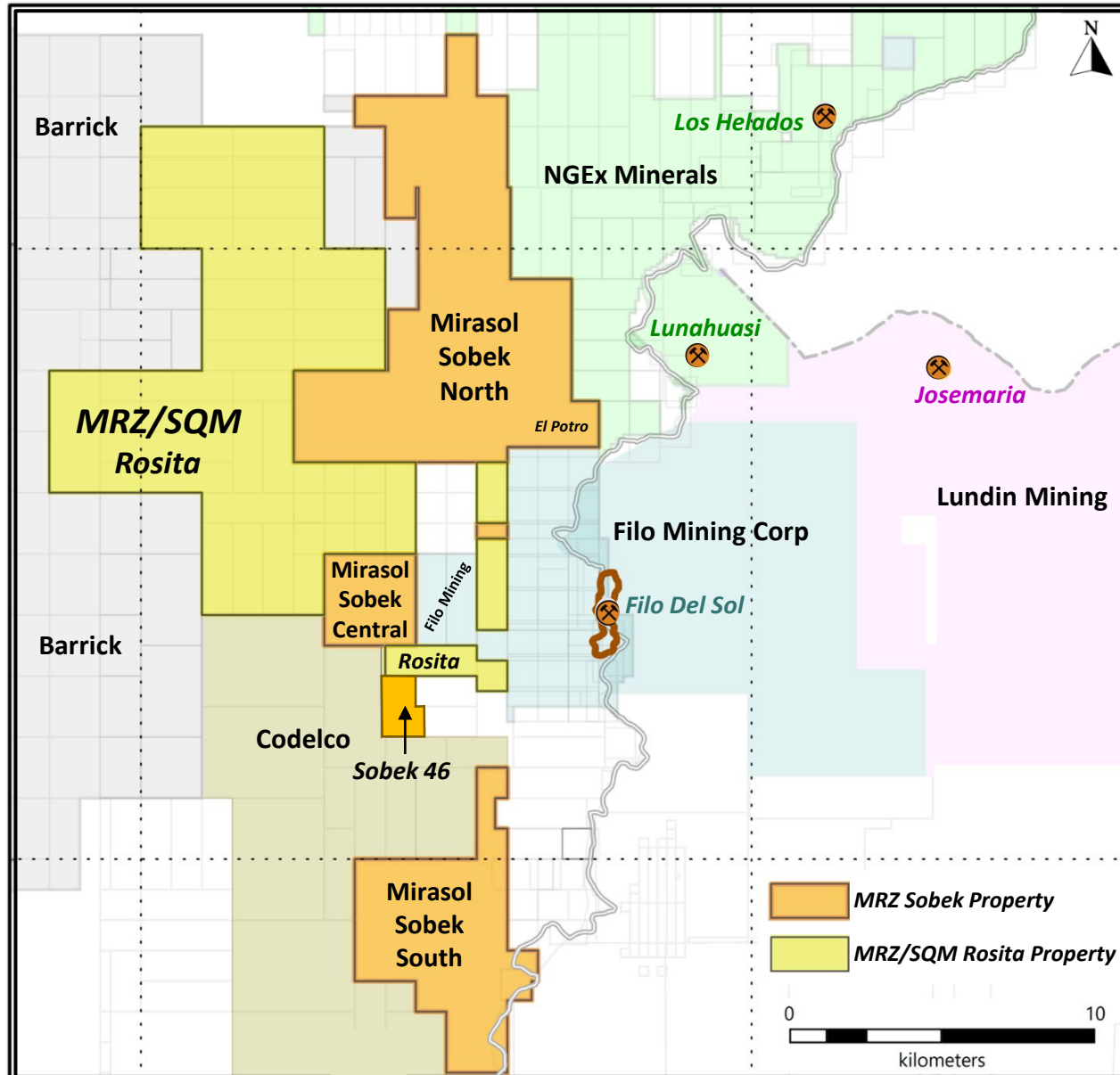
Sobek - Targeting & Staking Rational (2016)



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

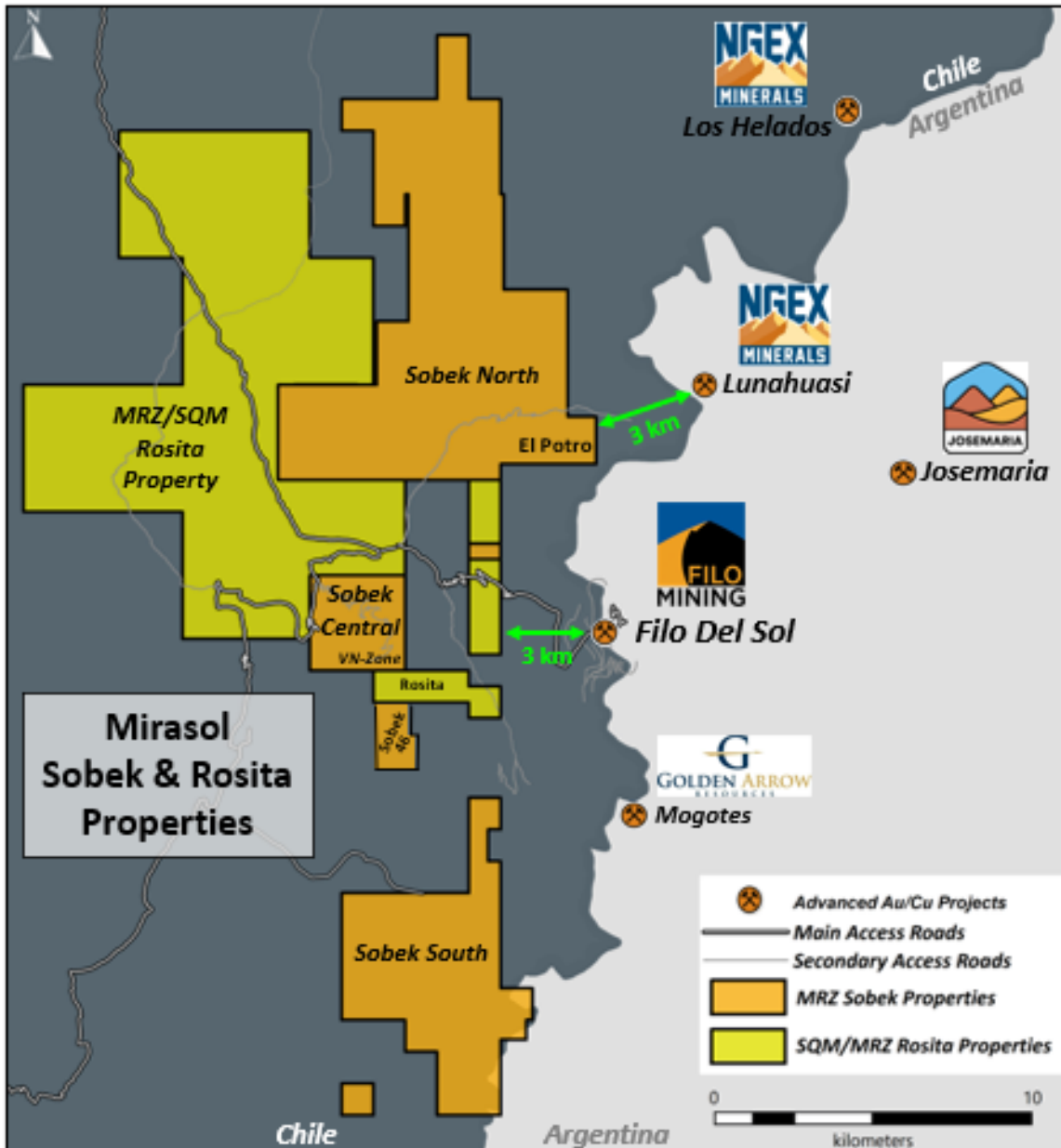
- Looking for those NNW trans-Andean lineaments, which are the key controls in almost all major deposits in Chile/Arg.
- Looking for "GAPS" in the metallogenics, meaning "lack of advanced projects/mines within the GAP."
- In this case with the Sobek area, we have the globally recognized districts of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

Sobek – Strategically Positioned in the Vicuña District



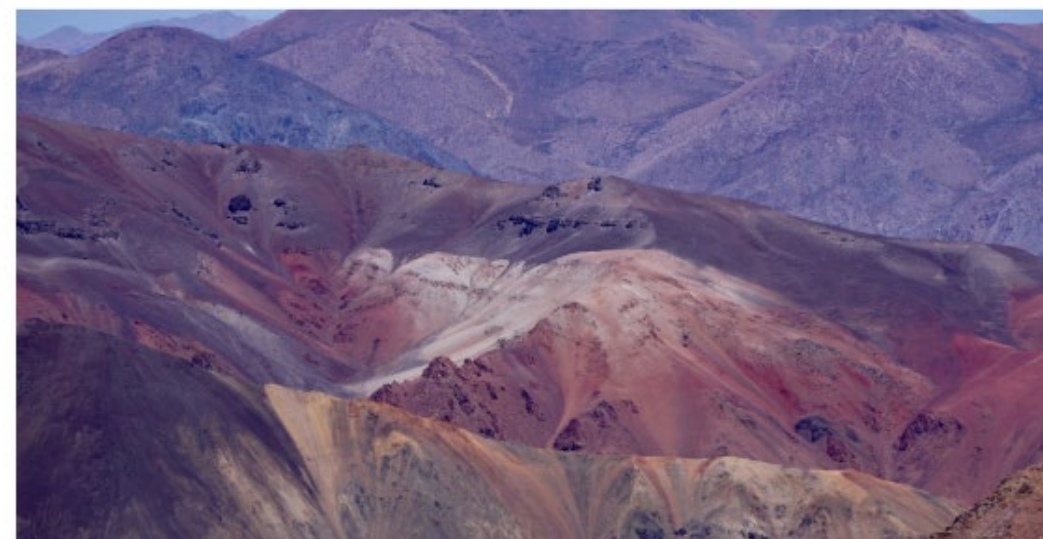
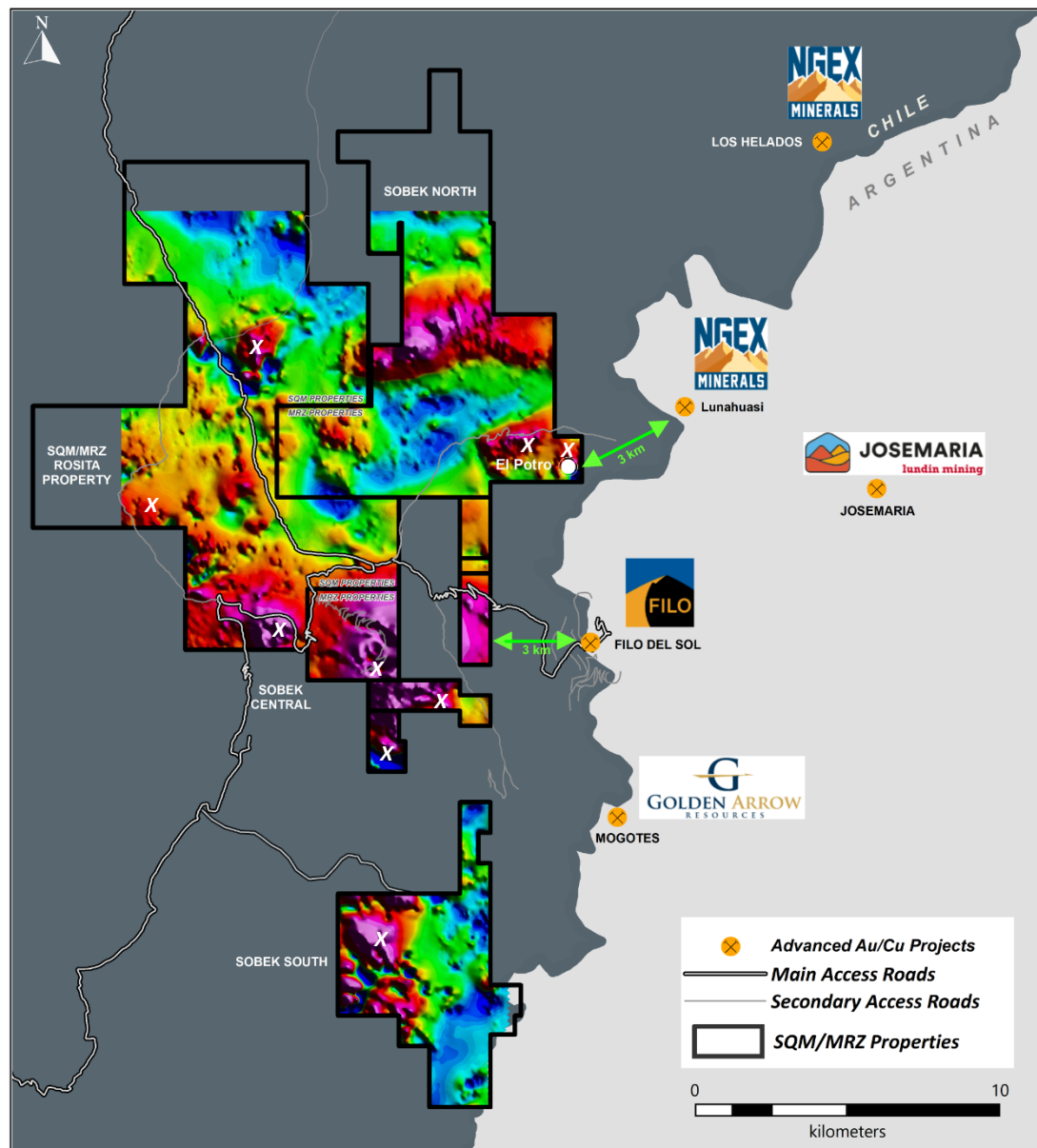
- NGEX Josemaria - Lunahuasi - Los Helados
- Filo Mining - Filo del Sol
- Barrick
- Codelco
- Soquimich (SQM)
- Mogotes Syndicate Mineral Pty.
- Pan American Silver – Las Flechas
- Pacific Mining Company (CMP)
- SCM El Morro
- Lagunas Bravas
- + other small companies and individuals....

Vicuña District - Giant Copper-Gold District



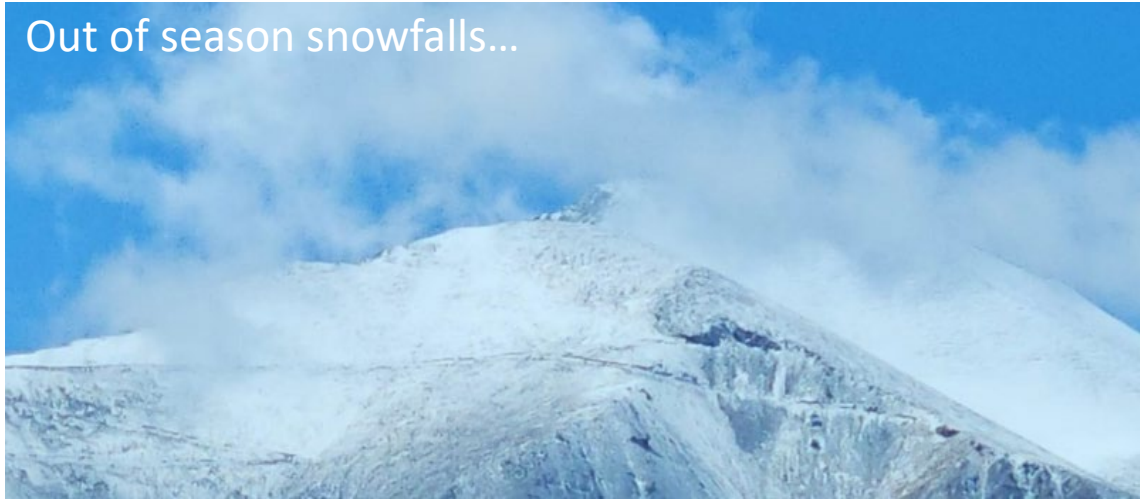
- Sobek & Rosita - located in the globally recognized Vicuña copper-gold district
- Mio-Pliocene age mineral belt, northern Chile
- 3 km west of new Lunahuasi discovery (fmr. Potro Cliffs) by NGEx Minerals
- 3 km west of Filo del Sol with Josemaria to the east and Los Helados to the north
- 11,140 ha, 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 - “El Nino” has been Active in the High Andes



This weather event resulted in the loss of four weeks of prime exploration during 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 months earlier than last season.


Sobek Central - Prospects



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

Original Anomalous Gold in Select Rock Samples from the VN Zone

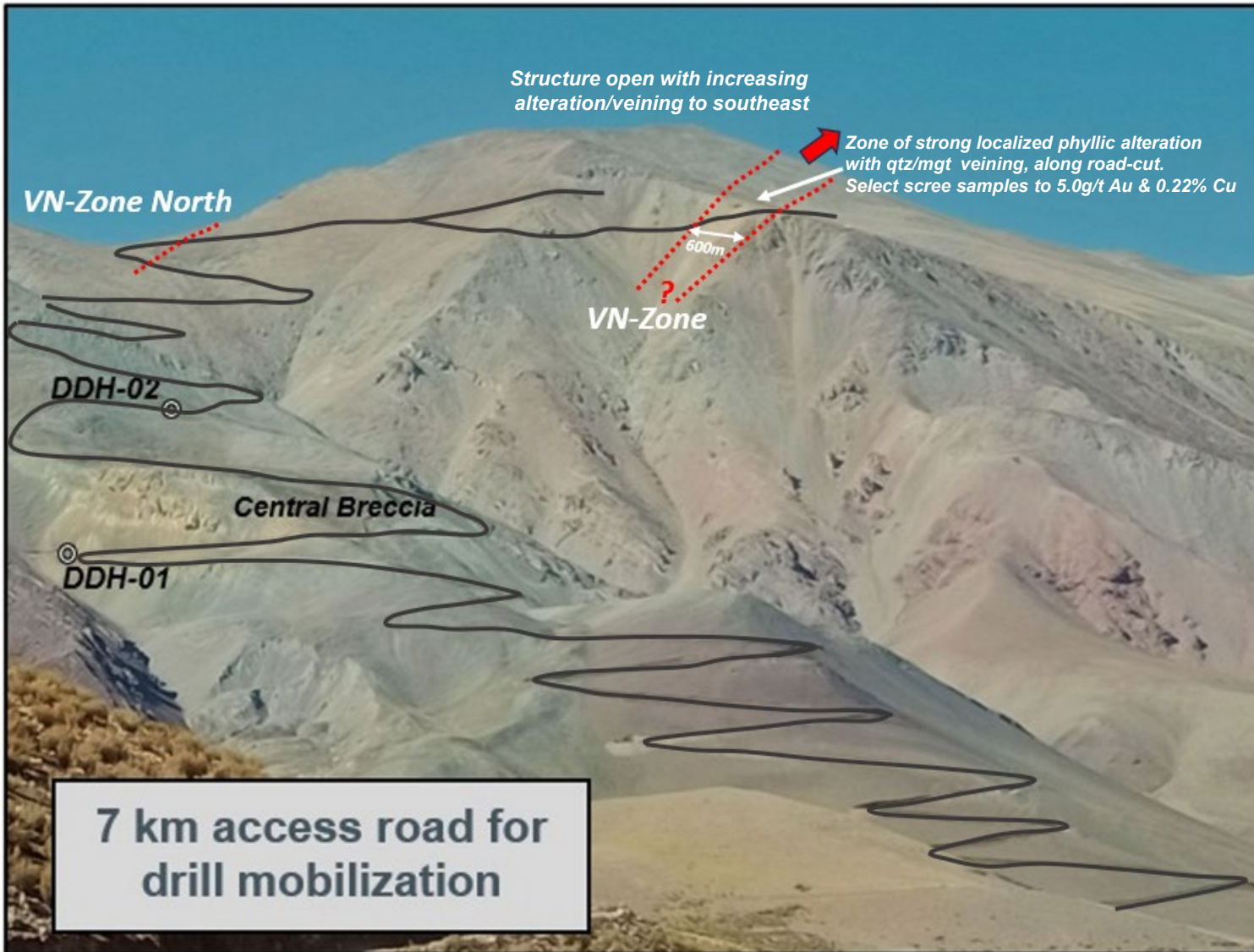
Sample	Au-ppm	Cu-ppm
MCR0024669	0.241	234.00
MCR0025102	1.610	767.00
MCR0025103	1.040	260.00
MCR0025104	0.123	100.00



Petrology Sample MCR0025103

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

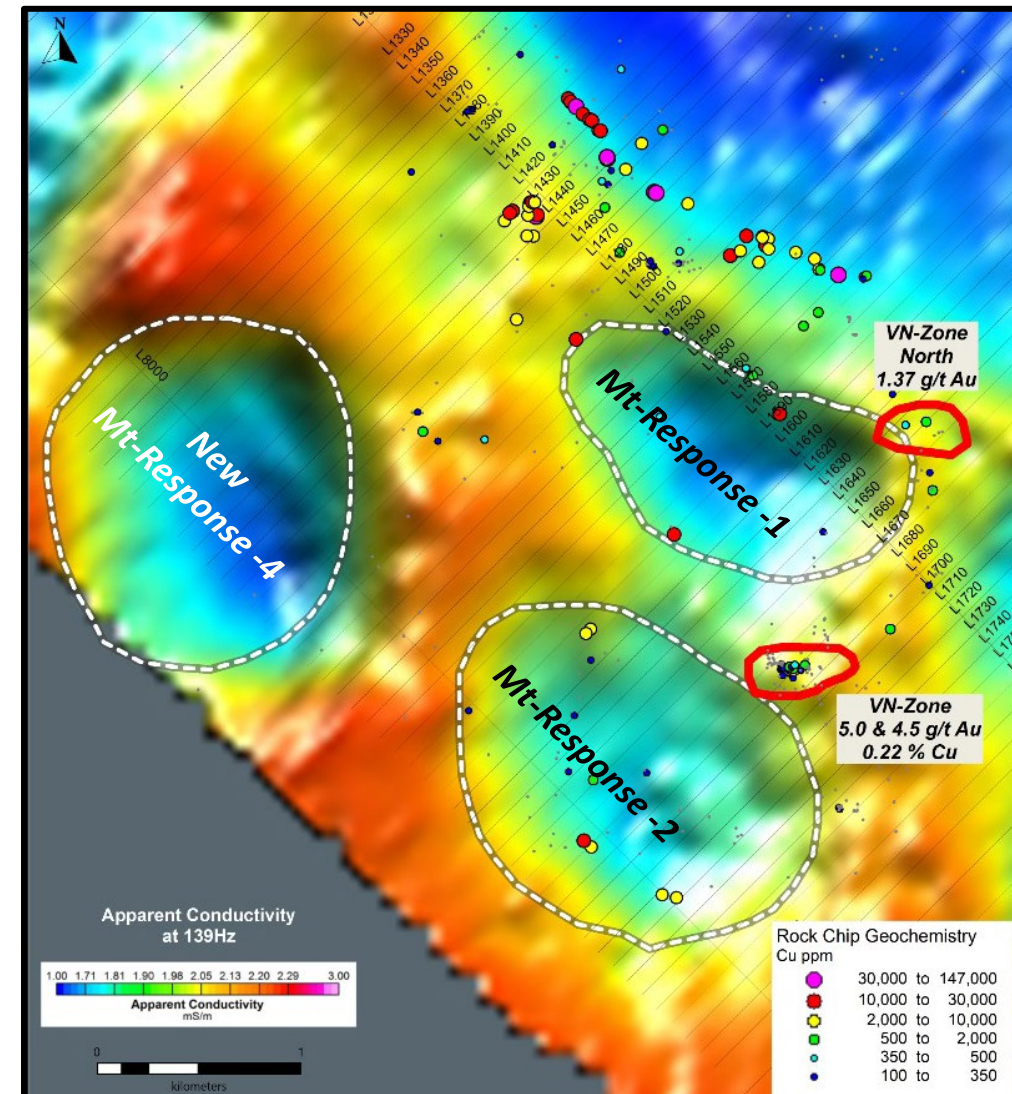
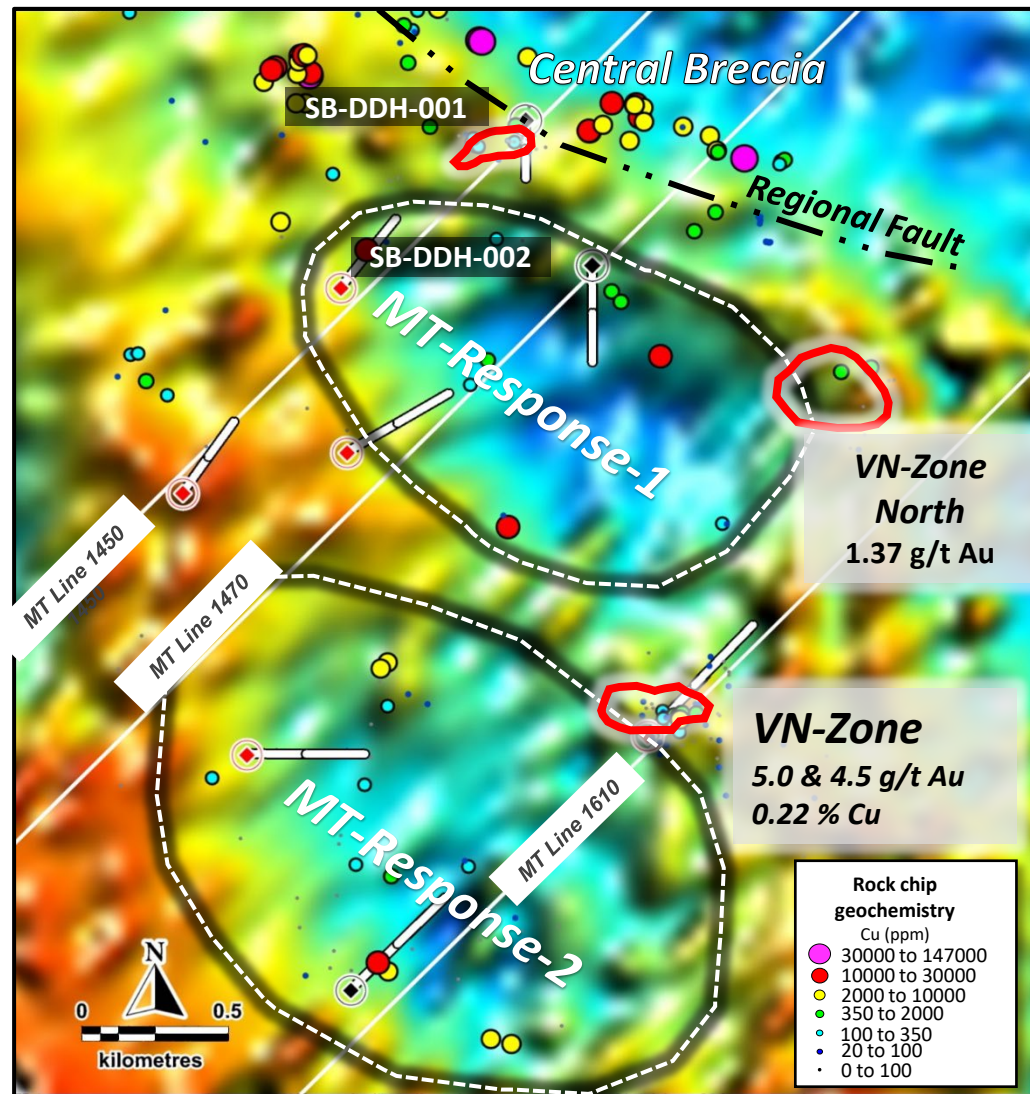
Sobek - New Access Road to VN-Zone



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

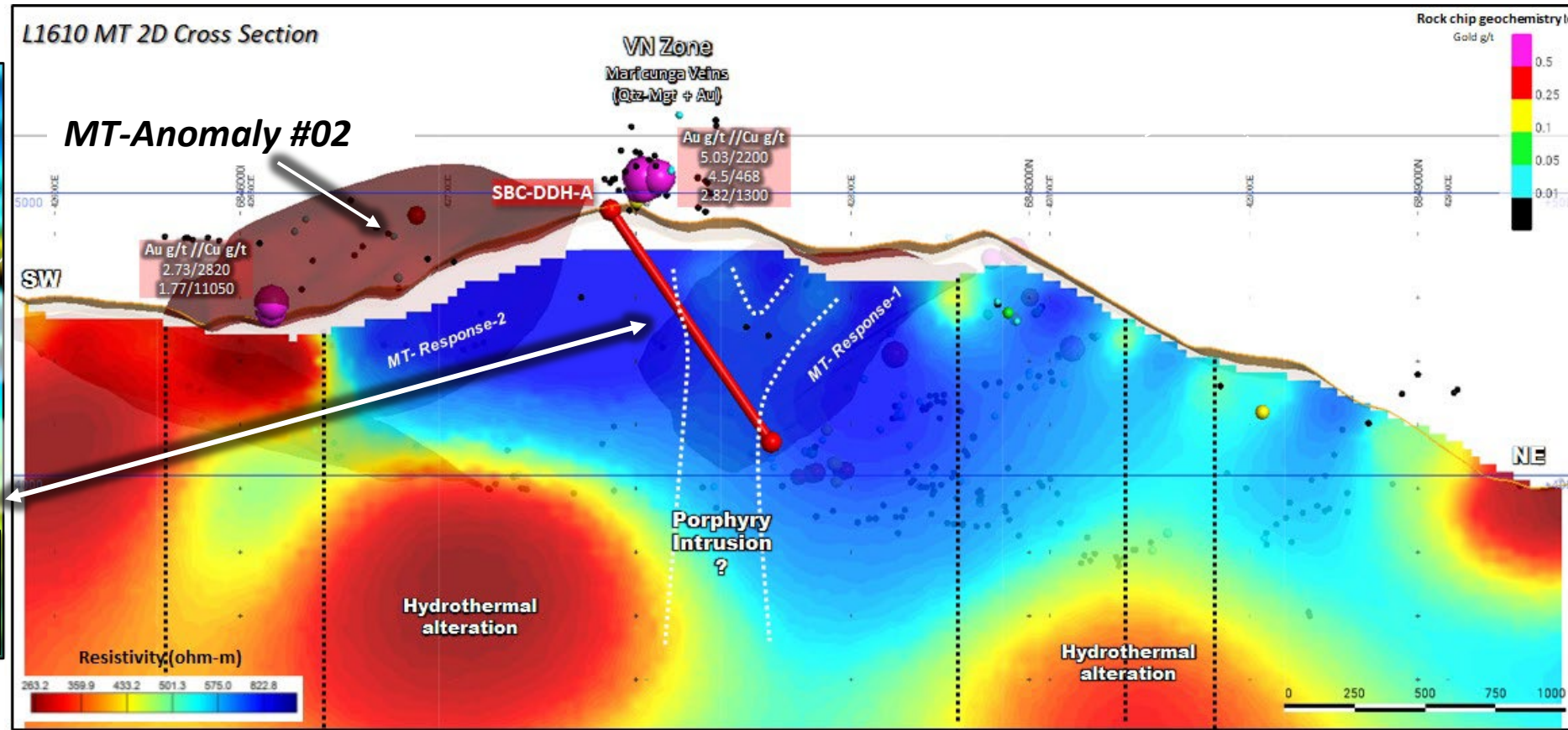
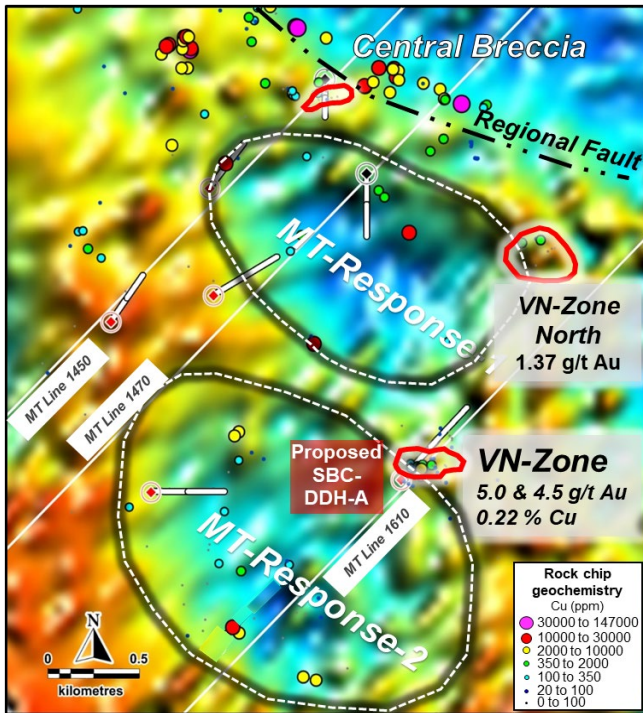
→ Electrical IP Pole-DiPole Geophysical survey to continue at VN-Zone to Sobek 46

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



Additional larger and stronger MT target to evaluate to the west

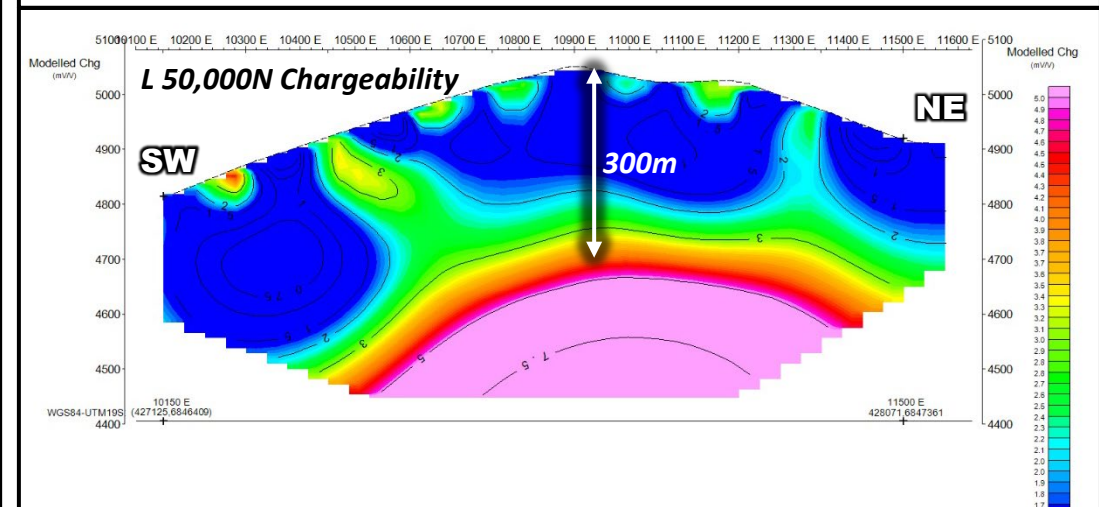
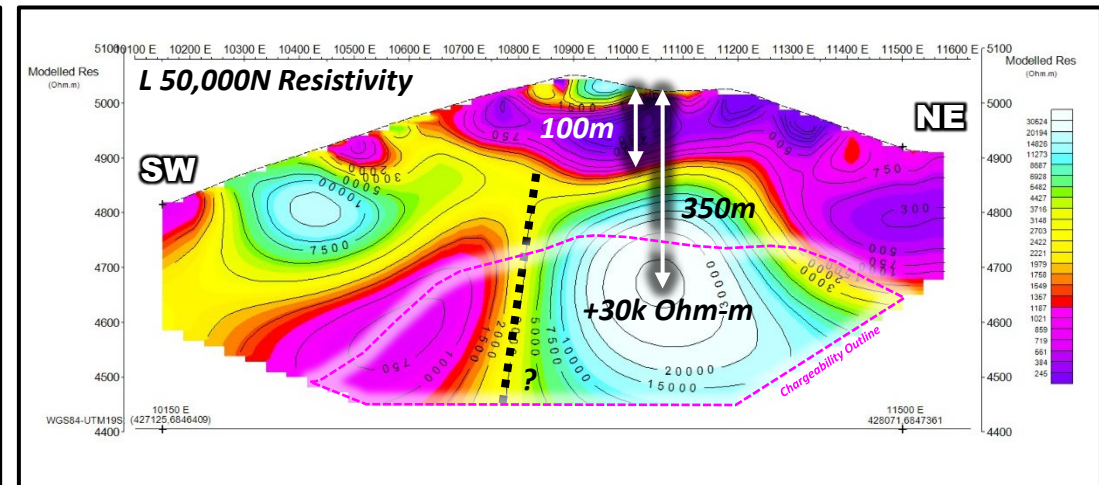
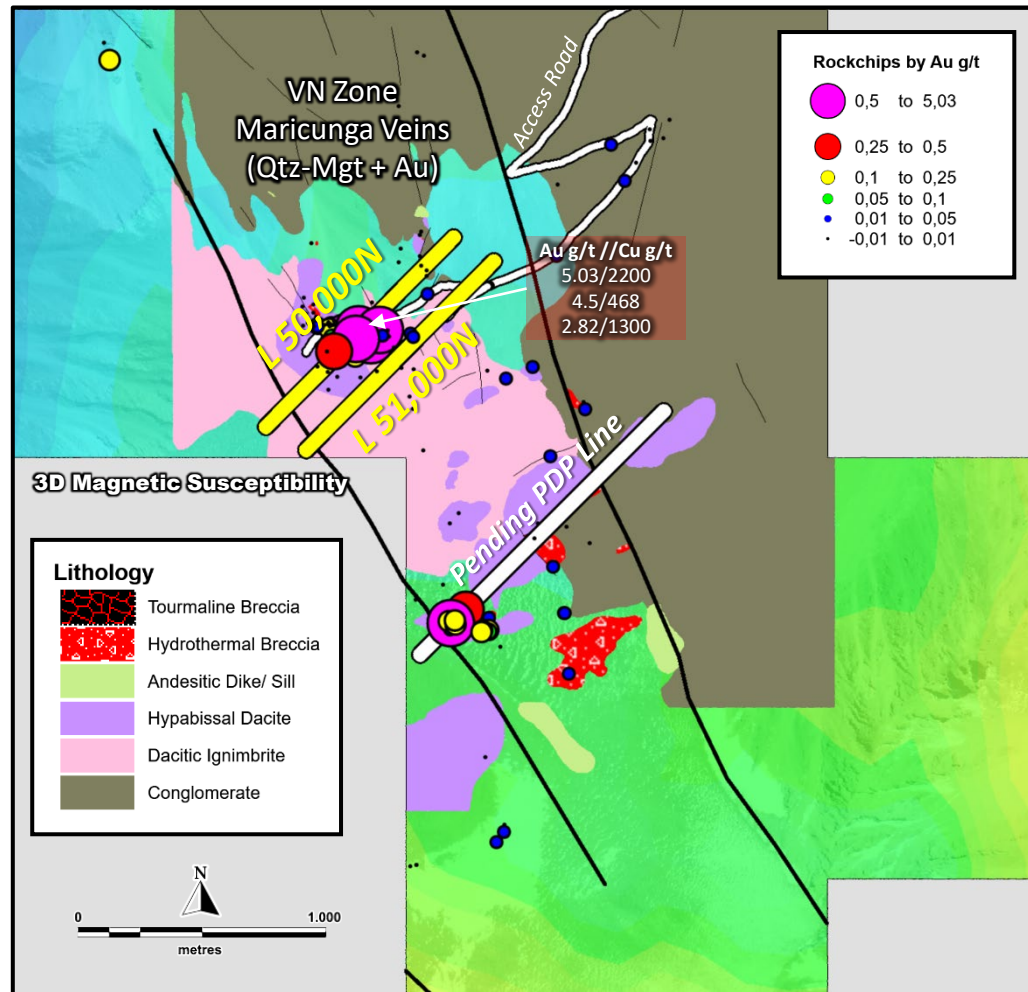
Sobek - Priority Drill Target - VN Zone Cross Section



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

→ Original proposed drill hole SBC-DDH-A at the VN Zone

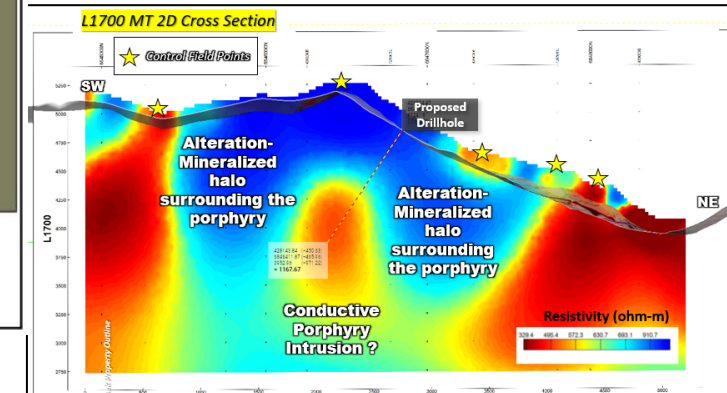
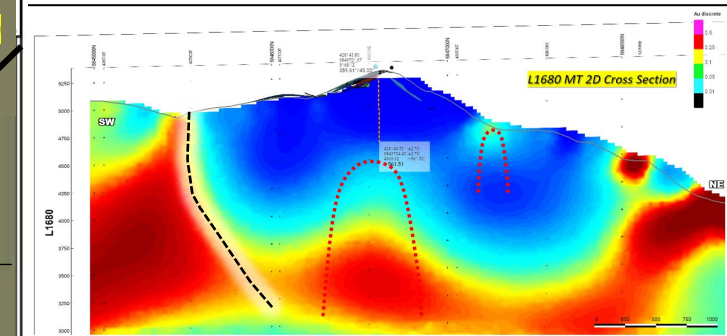
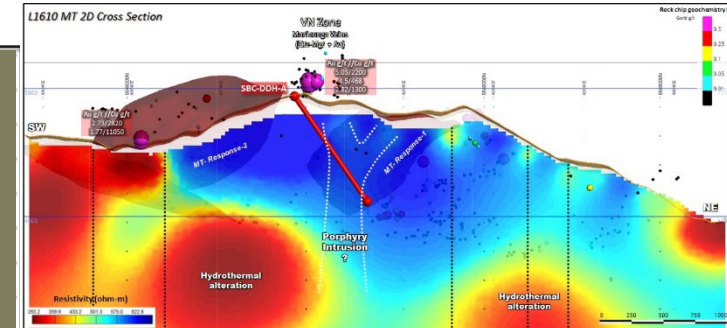
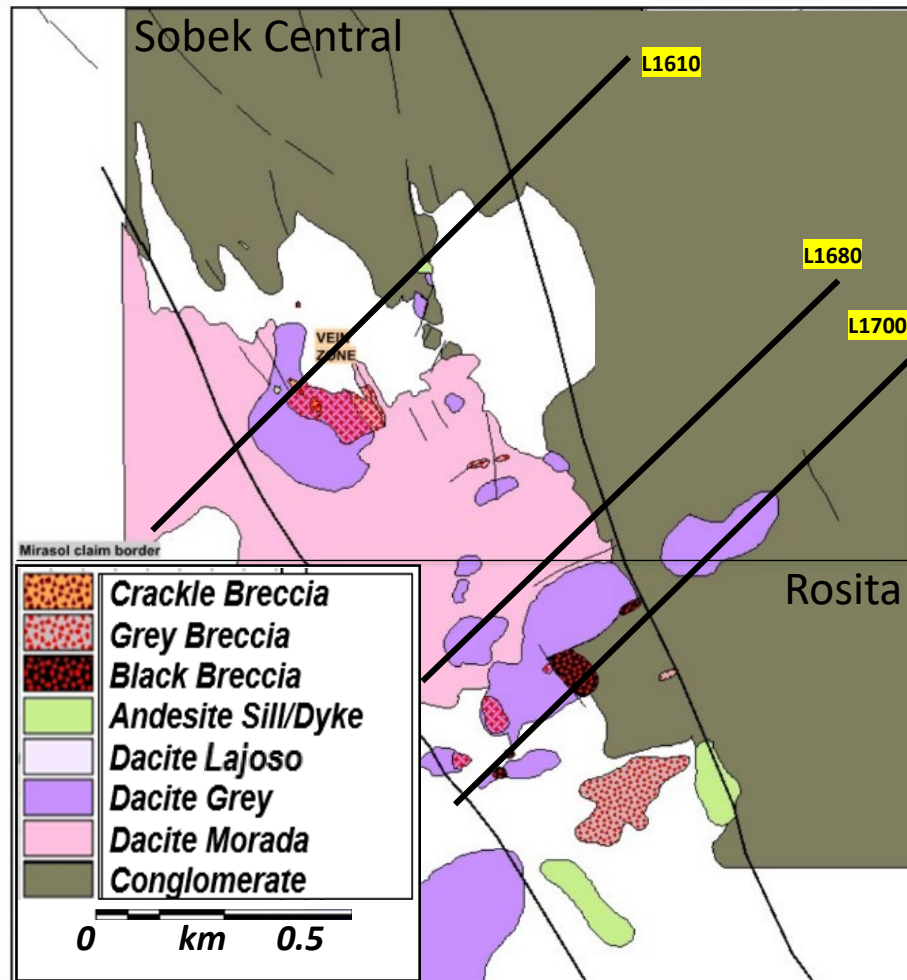
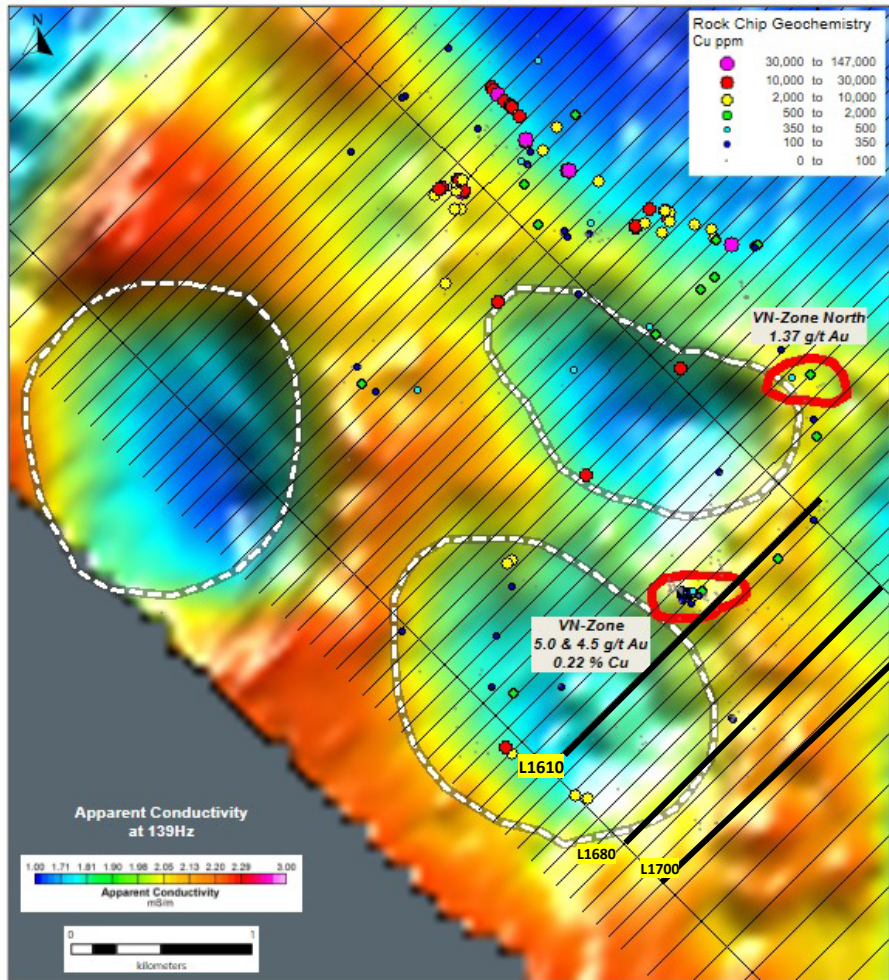
Sobek - VN Zone Cross Section– Underlying IP Geophysics



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

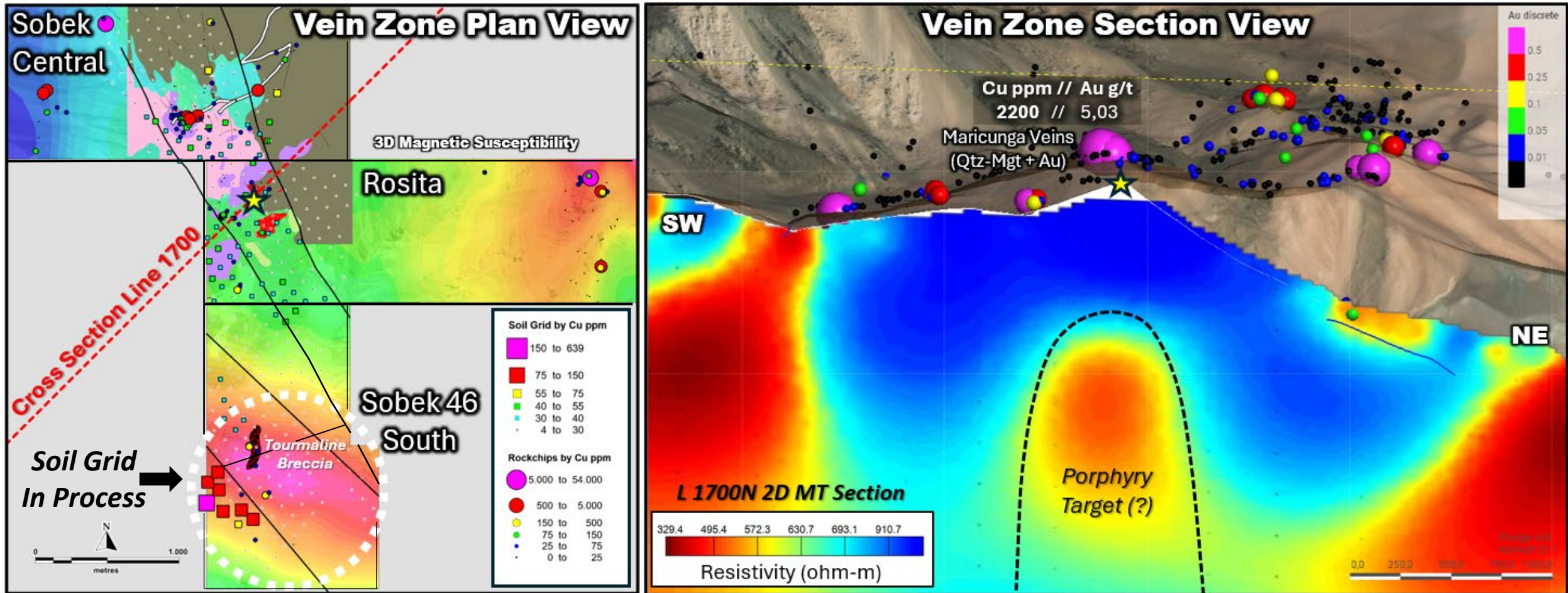
Sobek - VN Zone and South Extensions

Airborne MT Sections & Local Geology



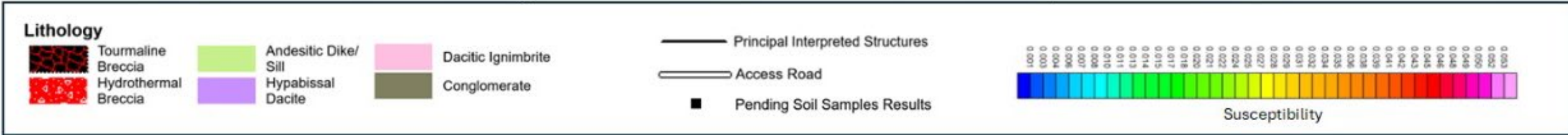
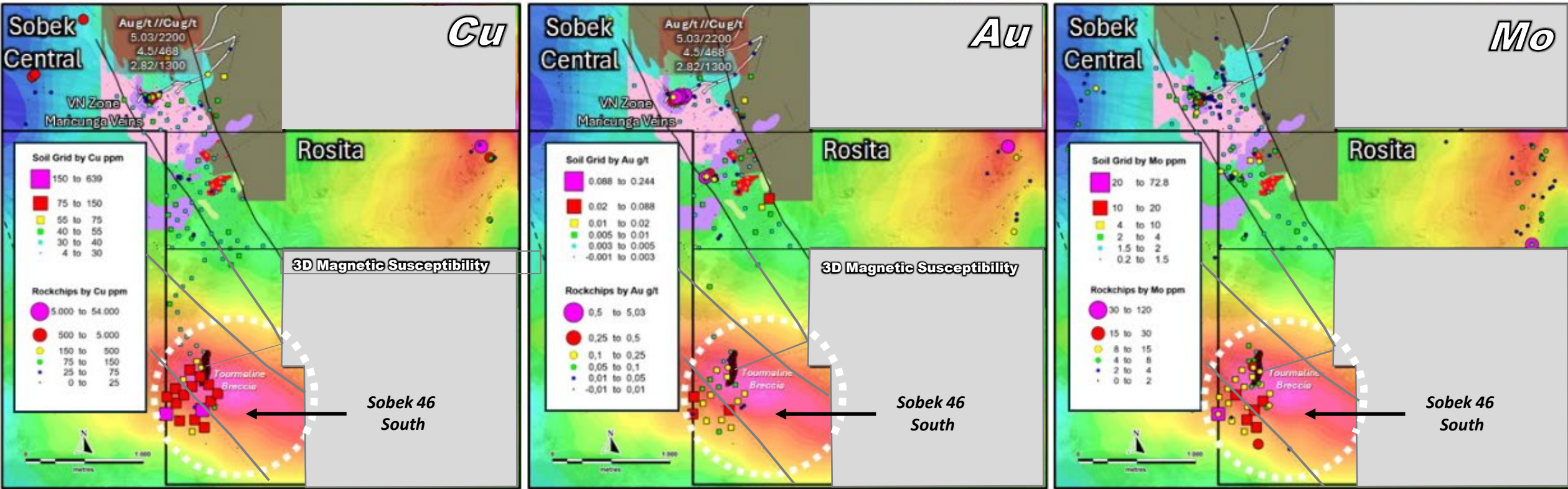
Sobek - VN Zone and South Extensions

Airborne MT Sections & Local Geology/Geochemistry



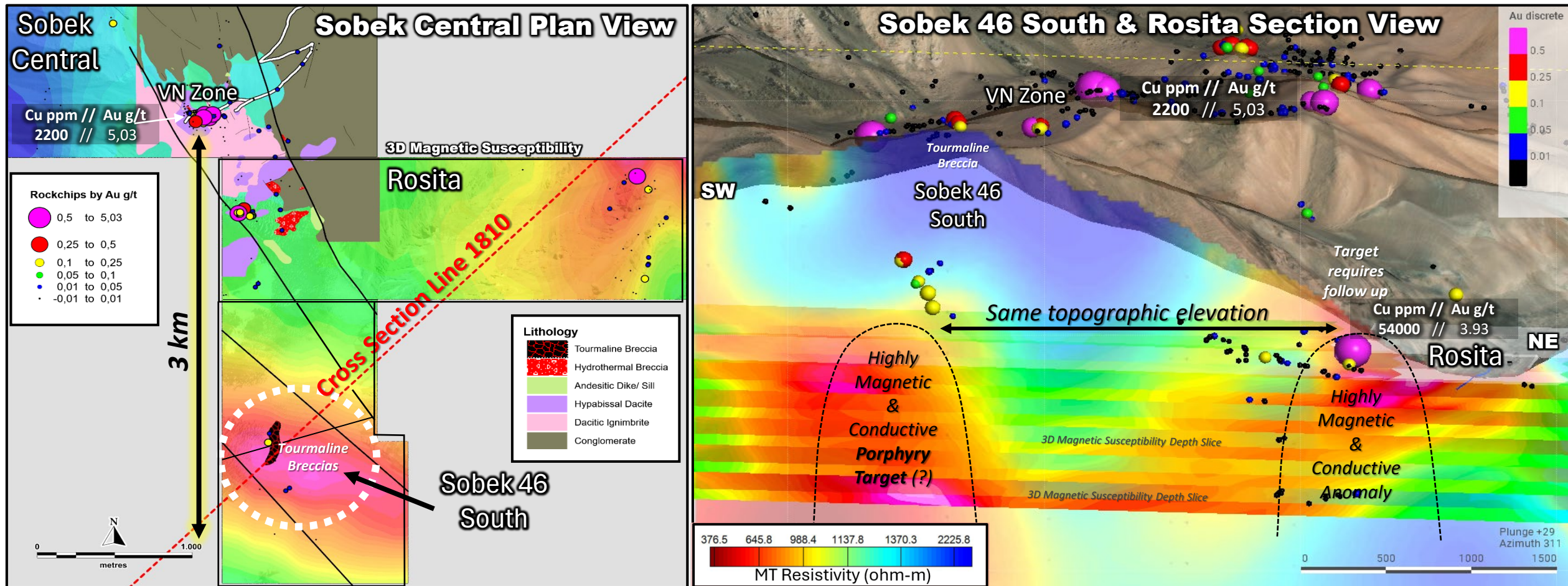
Sobek - VN Zone Extension – Rosita and Sobek 46-S

Magnetic Susceptibility – Soil/Rockchip Geochemistry



Sobek - VN Zone Extension – Rosita and Sobek 46 South

Magnetic Susceptibility – MT Conductivity

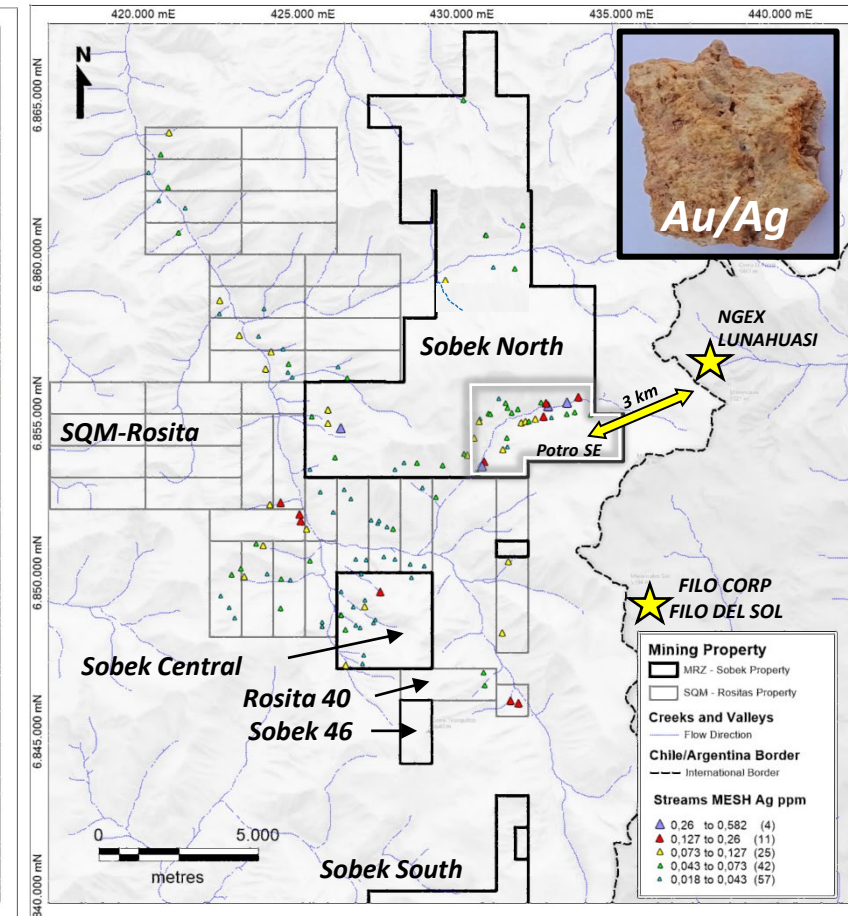
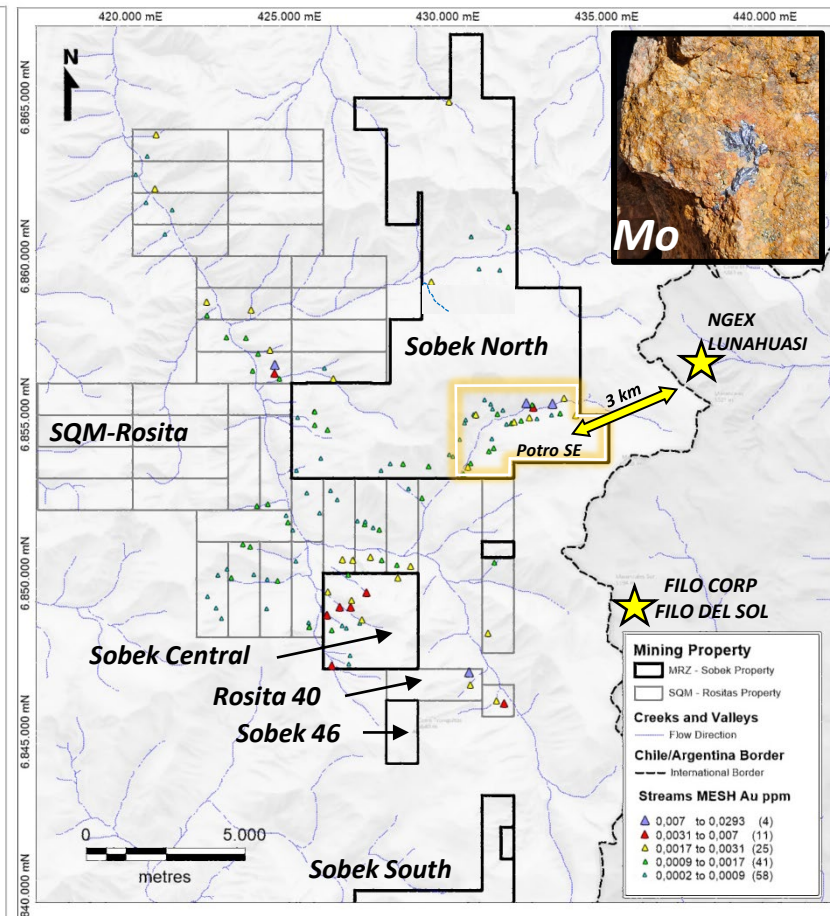
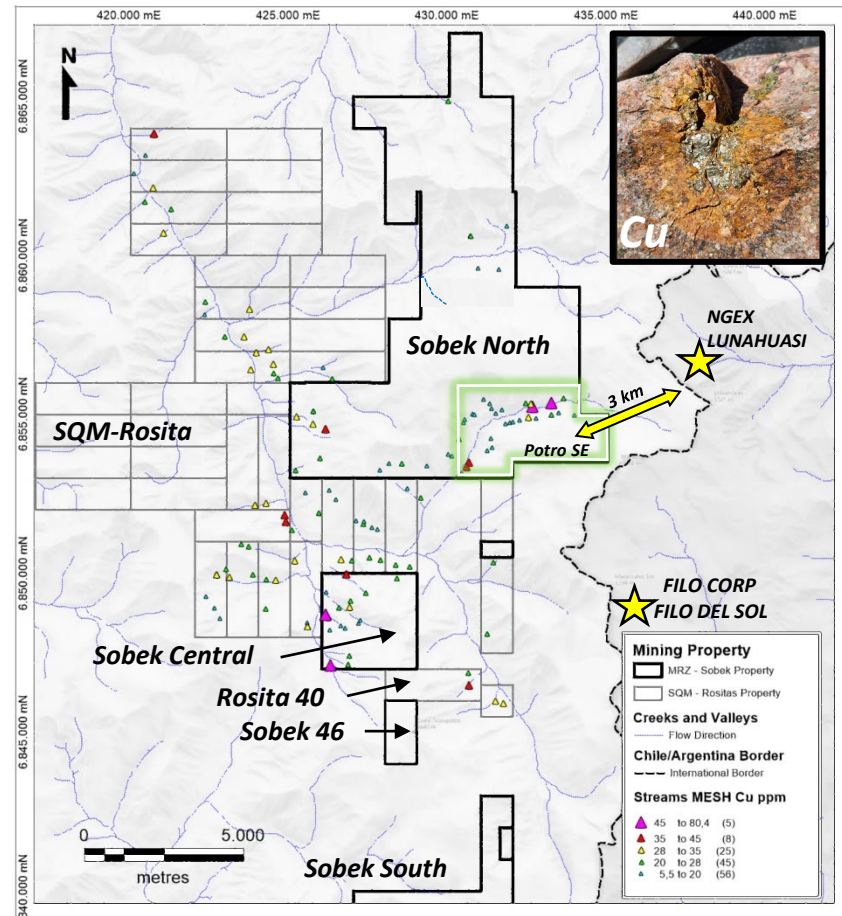


Sobek Central – Progress of Exploration



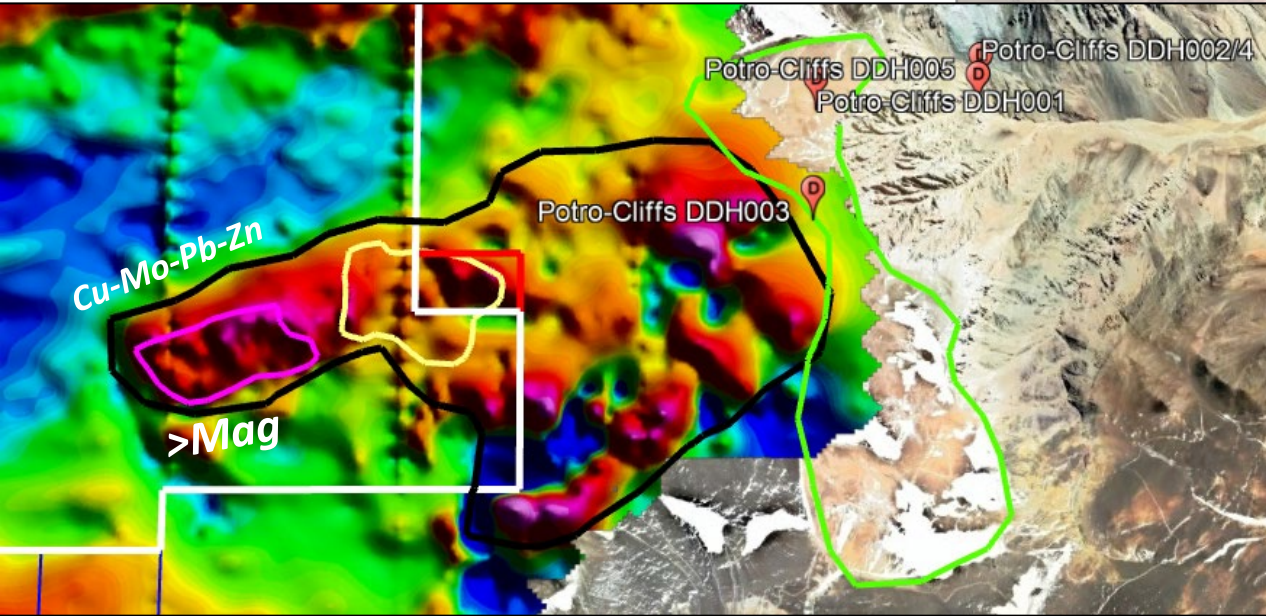
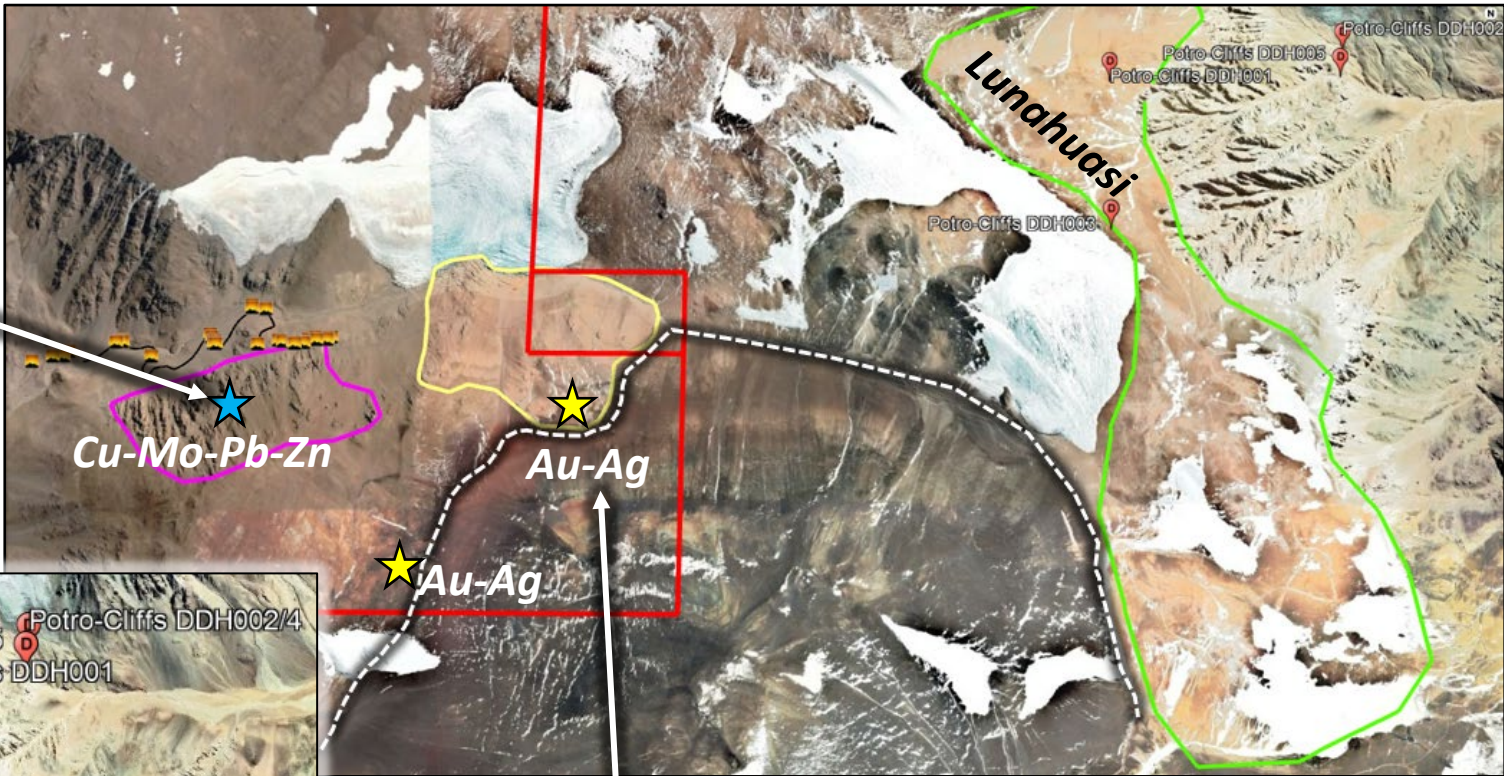
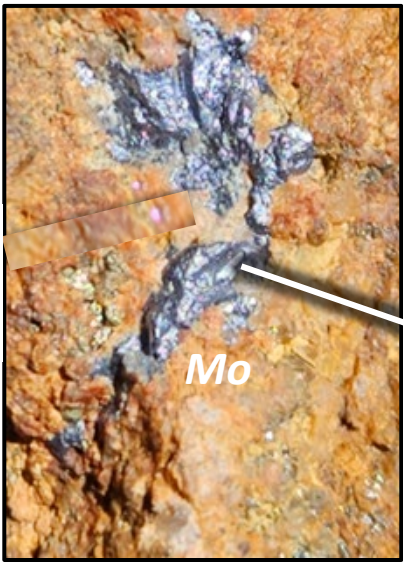
- ✓ Completed access road to the VN-Zone
 - Road-cut has served as a trench to expose alteration & mineralized sheeted vein zones
- ✓ Detail geological and structural mapping
- ✓ Environmental clearance obtained to continue road through Rosita and onto the new Sobek 46 South claims
- ✓ Geochemical soil survey grid and alteration analysis
- ✓ IP ground geophysics to refine targets (2 IP lines)
- ✓ Stream sediment sampling program & prospecting including Rosita and new Sobek 46 South claim blocks
- Continue maiden drill program at the South VN-Zone
 - 1,000- 1,500m proposed in 2-3 holes (Nov-2024)
- **Refining Drill Targets for Final Evaluation**

Sobek North - Stream Sediments & El Potro Targets

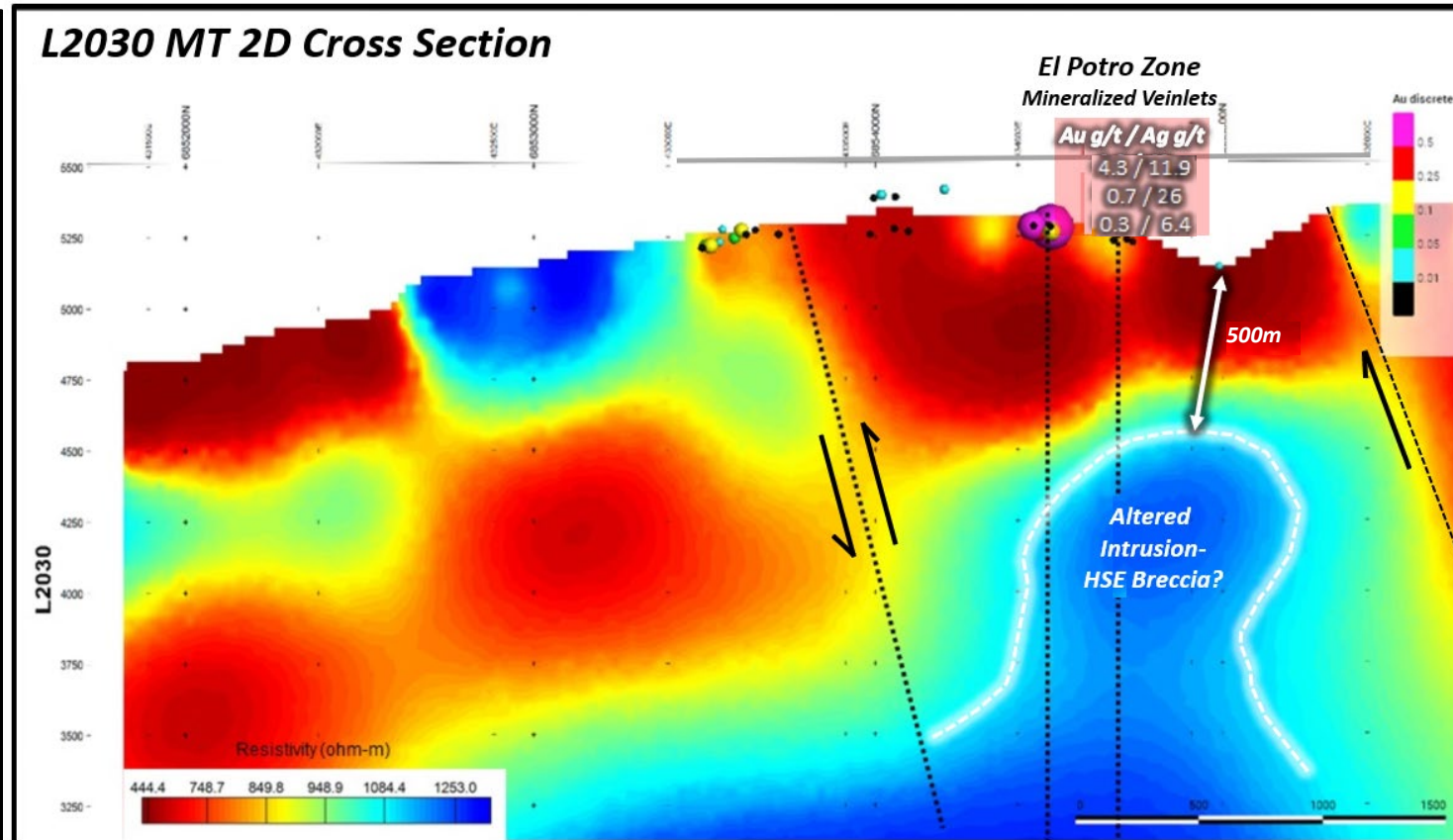
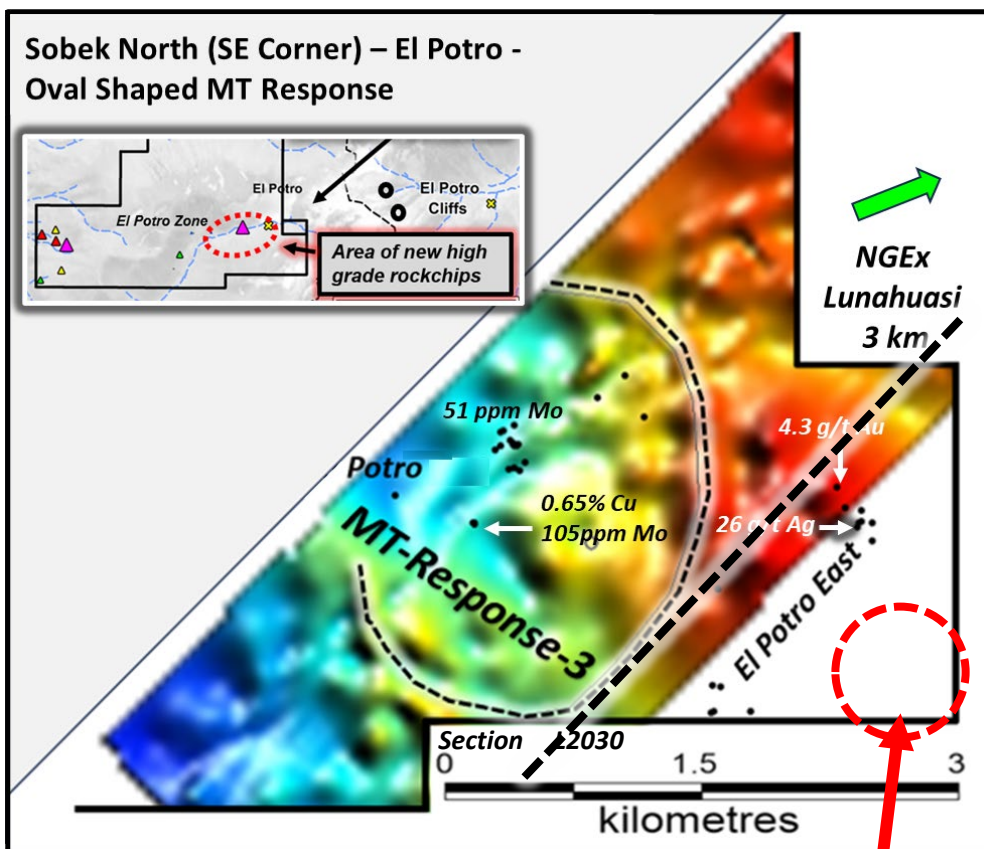


Vectored into the SE corner of Sobek North, into the El Potro area and finally into the Potro SE porphyry target

Sobek North – El Potro – Geology and Air Mag Anomalies



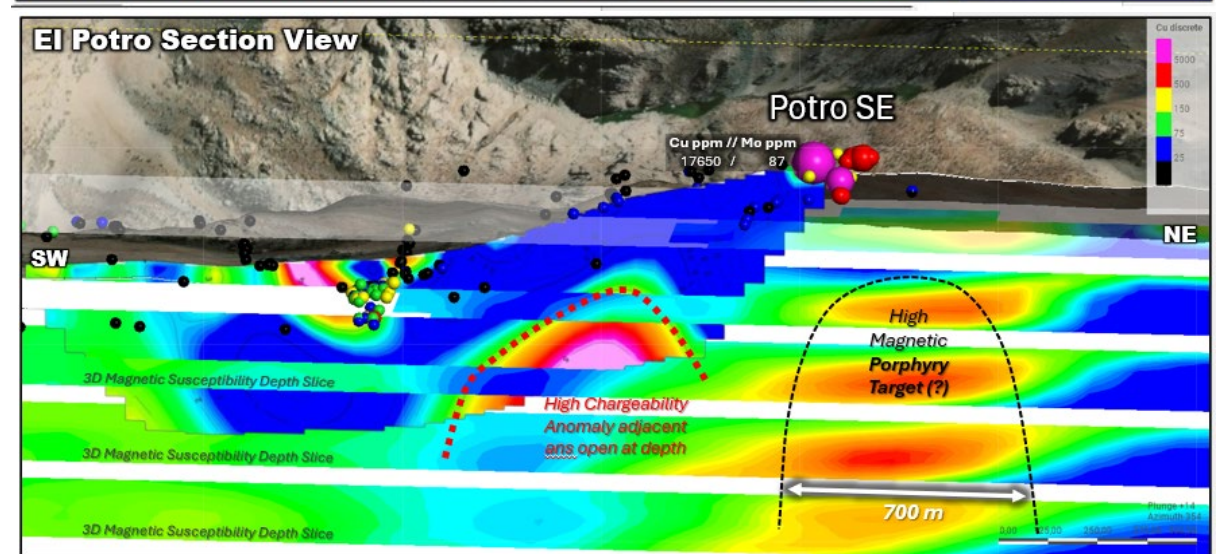
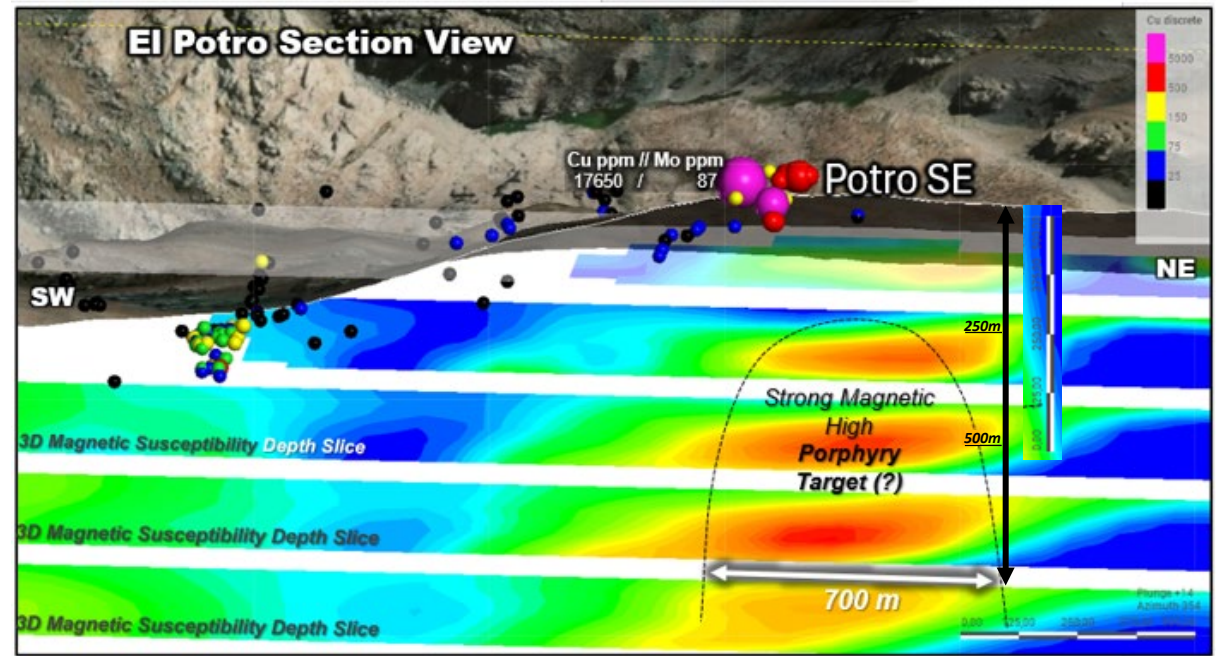
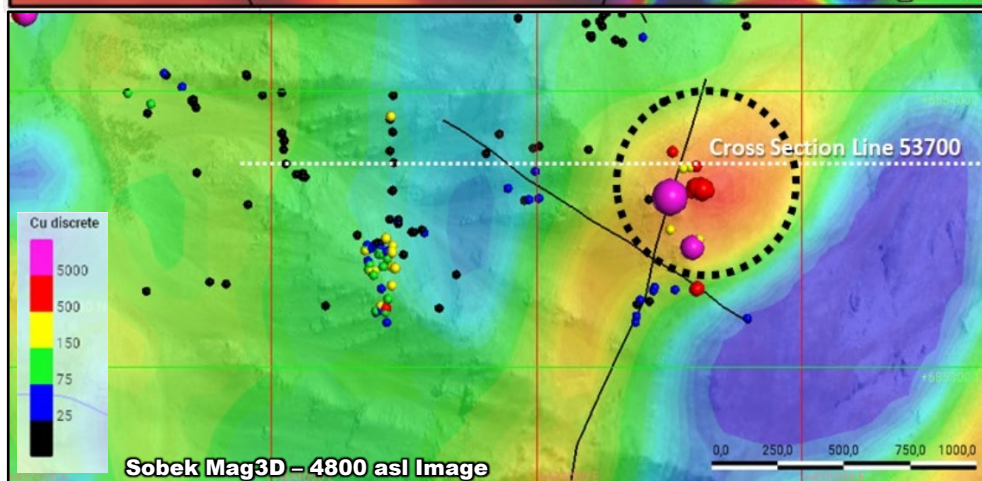
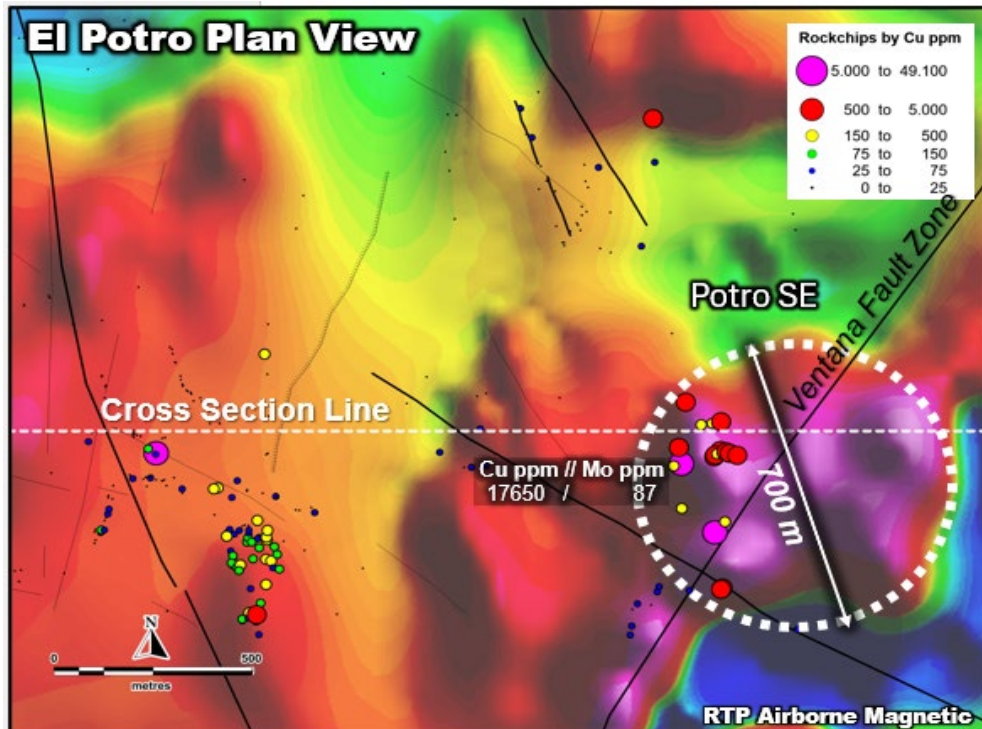
Sobek North – El Potro Prospect - New Priority Target



New Potro SE porphyry target
Coincident mag & soil/rock geochem anomaly with a good structural setting. No MT cover.

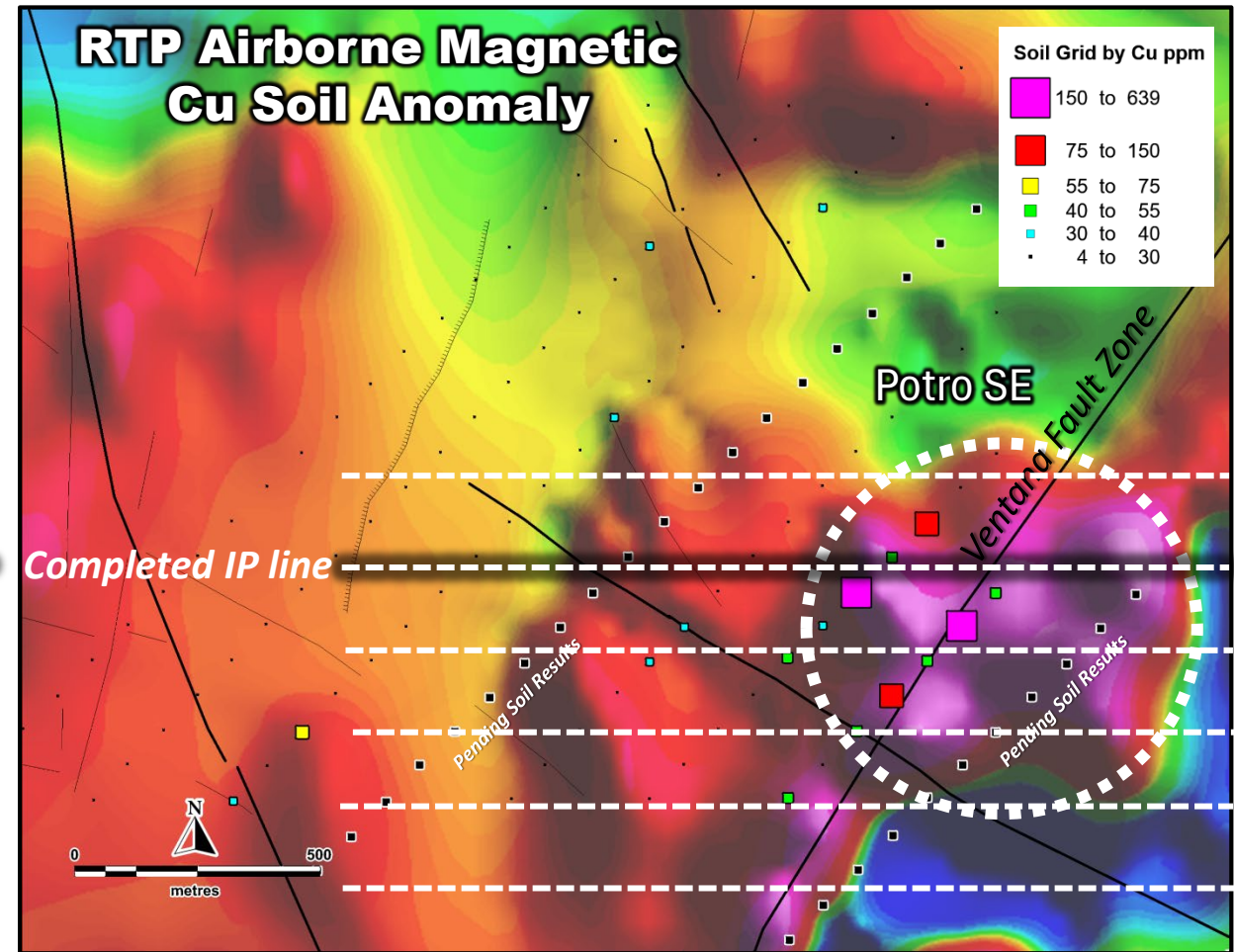
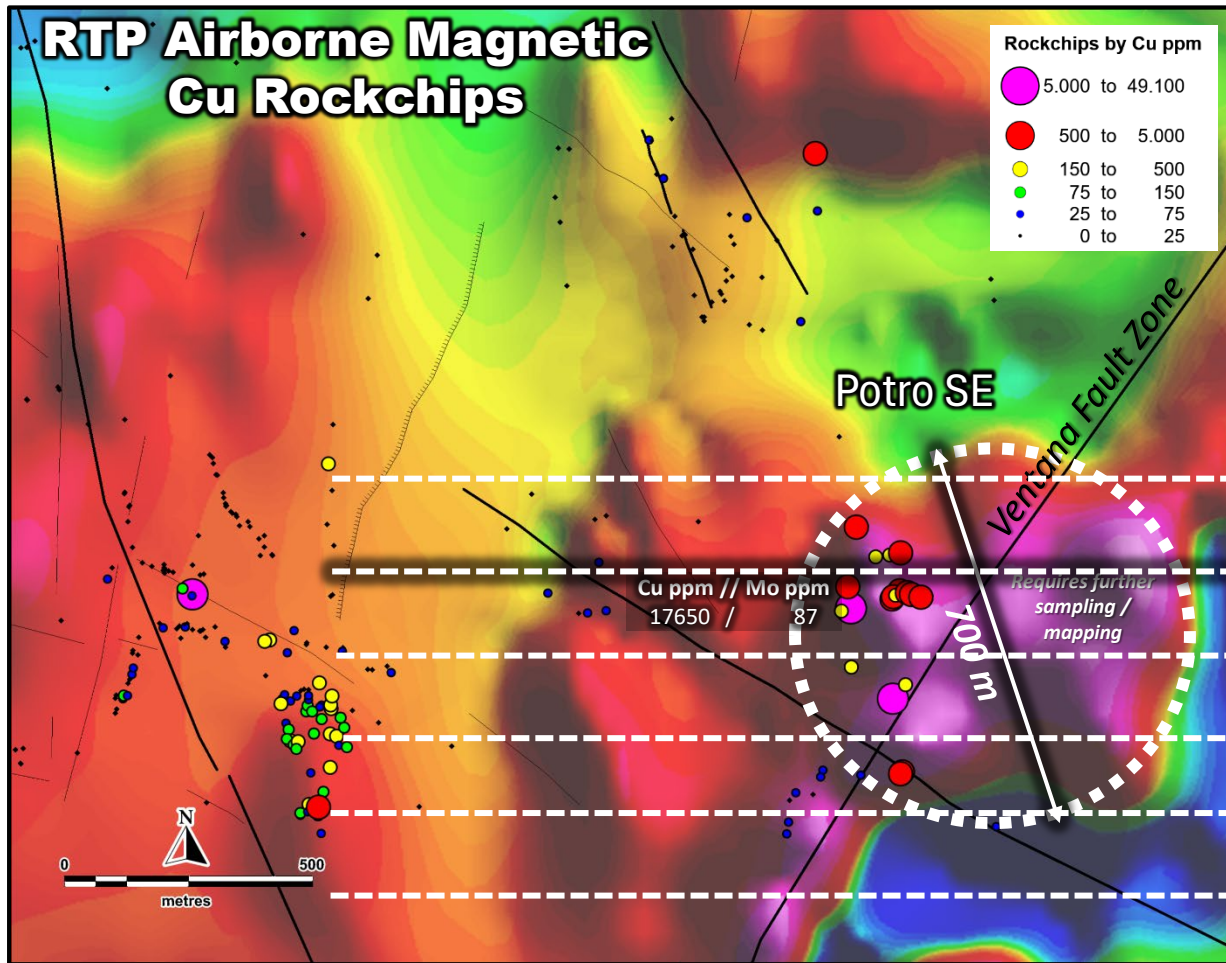
- 3km from NGEx discovery at Lunahuasi
- Small area of 13 km² Mobile MT Survey flown
- Select rock chip samples up to 4.3g/t Au and 25.9g/t Ag
- Still considered a quality drill target.

Sobek North – El Potro - New Potro SE Target



Sobek North – New Potro SE Priority Target

Airborne Magnetic and Rockchip / Soil Anomalies



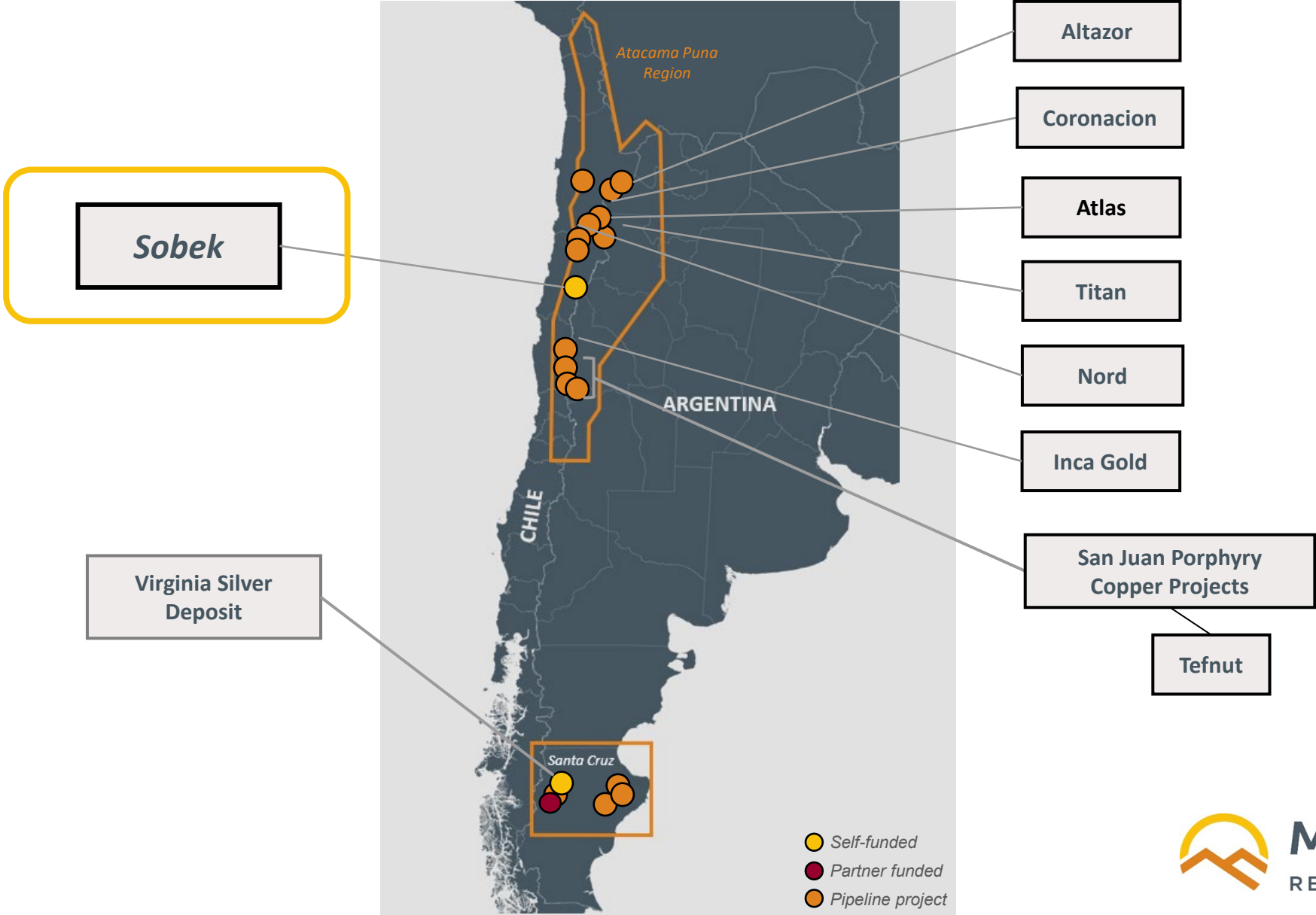
Completion of the remaining IP lines will be priority activity for the spring (sept) exploration season.

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



- ✓ Environmental clearance for Sobek North – “El Potro & SE”
- ✓ Existing road clean-up and new access to El Potro
 - ✓ *New access road in up into “El Potro” has cut interesting copper mineralized fractures/veinlets in strong clay altered granitic intrusive rocks*
- ✓ Detail geological mapping and sampling of the Cu-porphyry target at Potro East will continue
- ✓ Geophysical IP surveys completed testing the upper zones of the El Potro MT-Resistive anomaly (500-700m depth)
 - Geophysical IP surveys at the **“NEW” Potro SE** cylindrical magnetic target. Clipped a CHG zone. Only one line completed to date
 - **First Priority Drill Target for Next Season**

Pipeline of Opportunities - Extracting Value from Portfolio



Questions



Sobek Project, Chile

Board of Directors

Management Team



Nick DeMare

Director

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



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



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



John Tognetti

Director

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



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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