



Sobek Project, Chile



FOCUSED ON DISCOVERY

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

Precious Metals Summit Zurich
November 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

➤ Strategic land position in the high-profile Vicuna District

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

➤ Drill campaign planned at flagship Sobek Project

Share Structure and Treasury

Funds on Hand

Cash

~C\$1.8 Million

Estimated cash position (end of quarter June 30/24)

Conservative Share Structure

Shares Outstanding

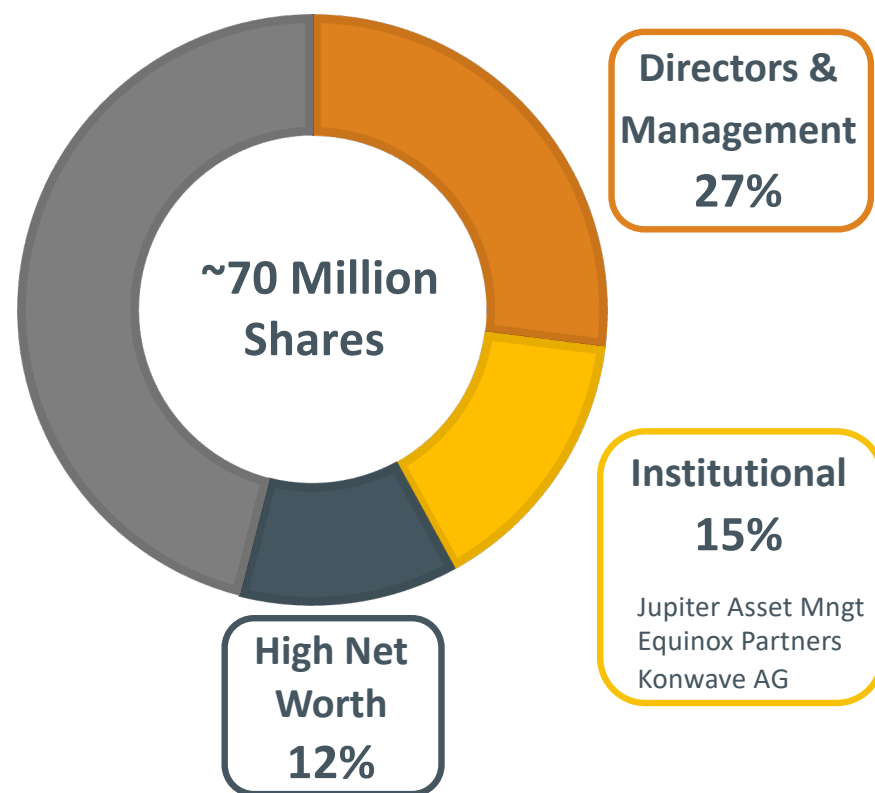
69.8M

Shares Fully Diluted

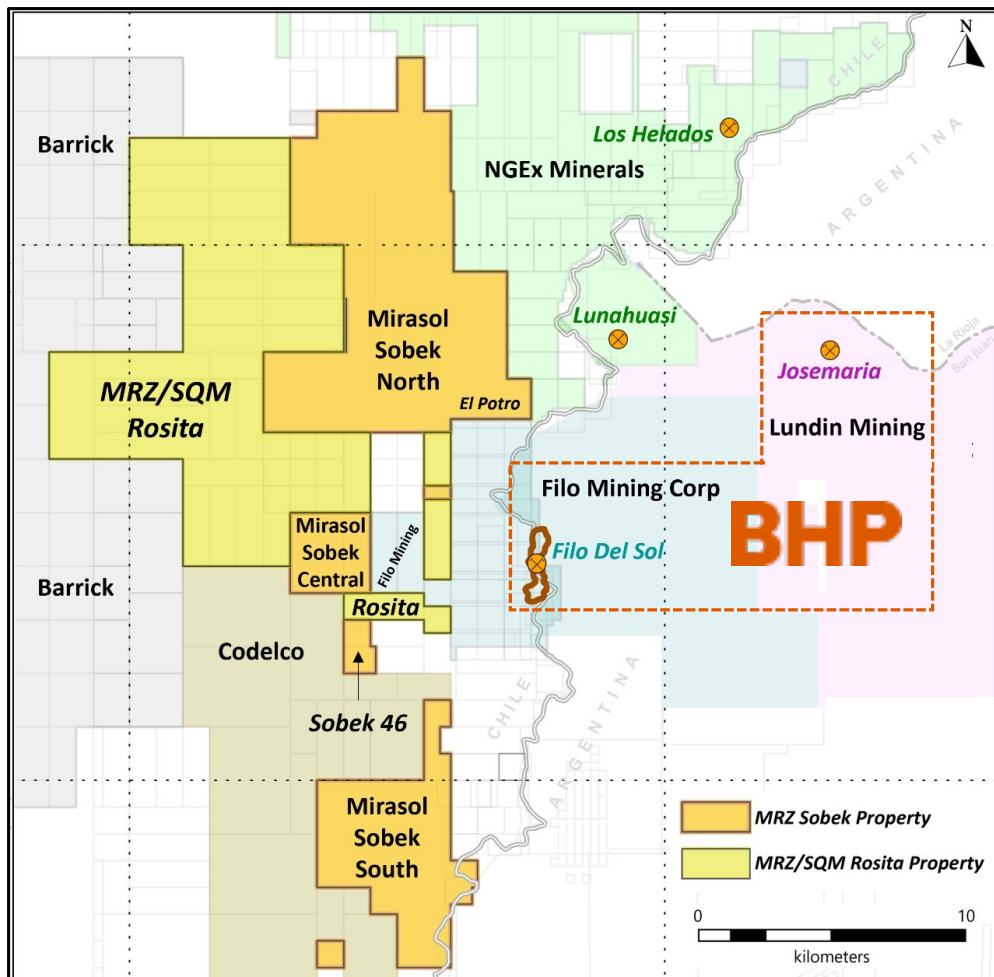
71.7M

Market Capitalization

~C\$34.9M



Sobek - Strategically Positioned in the Vicuña District



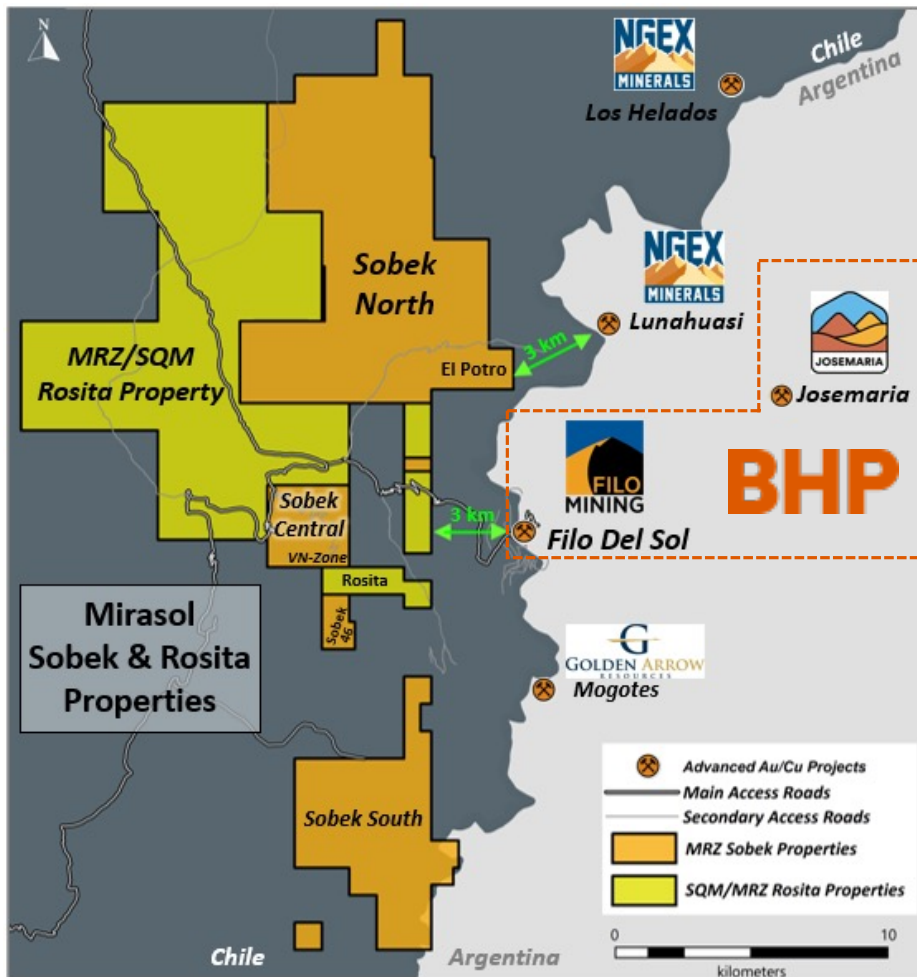
Surrounded by Titans

- Filo Mining: Filo del Sol
- Lundin Mining
- NGEx: Josemaria - Lunahuasi - Los Helados
- Barrick
- Codelco

BHP & Lundin Filo Acquisition

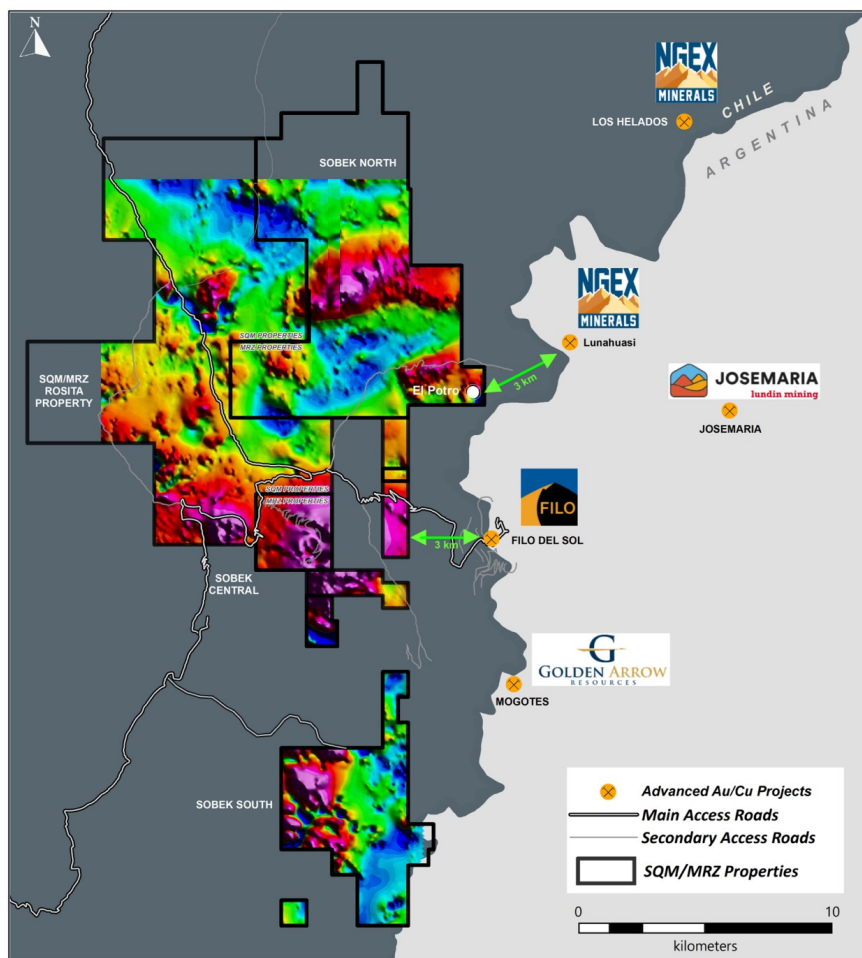
- \$4.5 B offer
- Largest purchase price for a copper junior
- Amplifies interest in our land position in the district

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 Filo del Sol with Josemaria to the east and Los Helados to the north
- 3 km west of new Lunahuasi discovery by NGEx Minerals
- 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

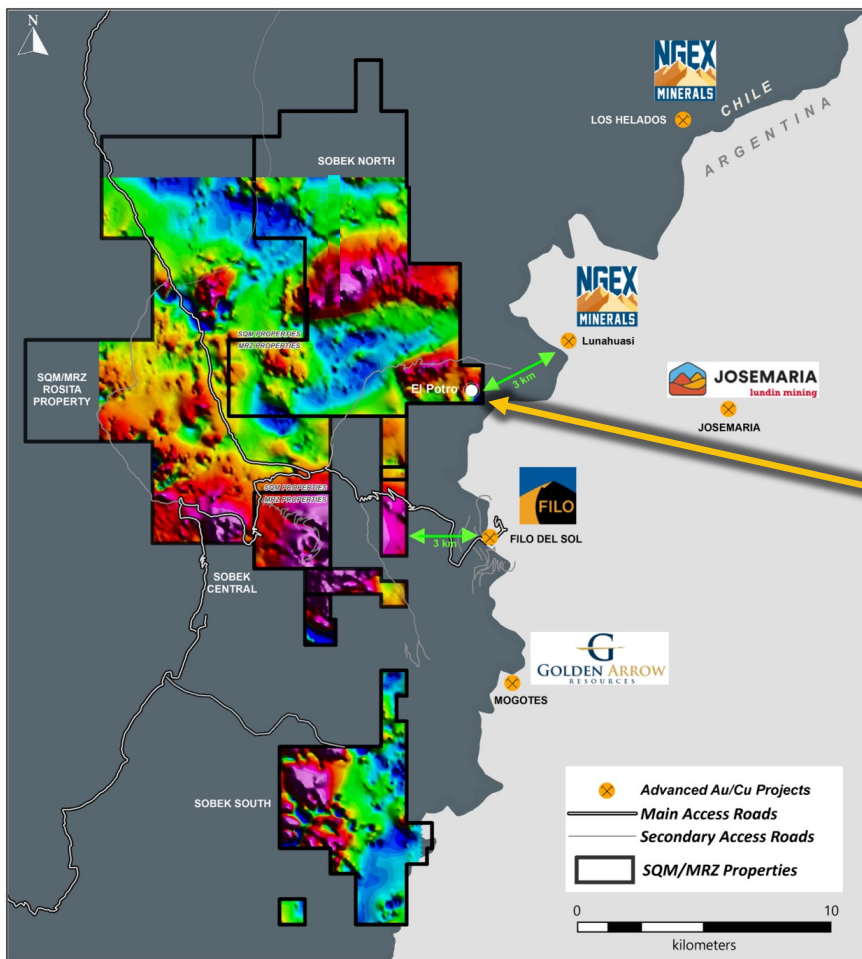
Sobek & SQM Rosita – Advancing Towards Discovery



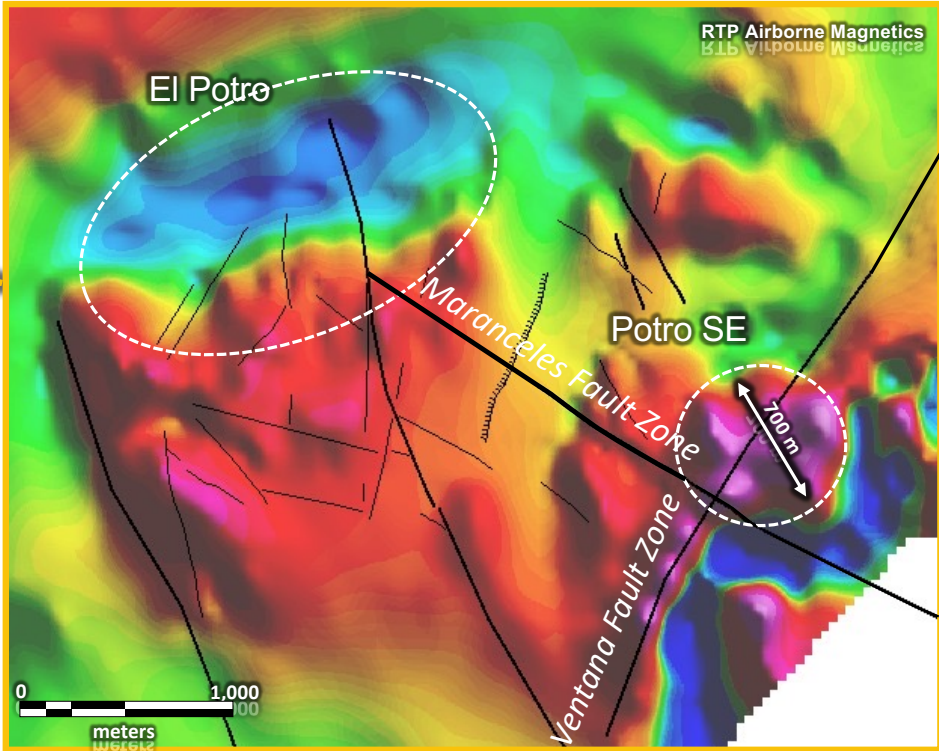
Systematic & Thorough Exploration

- Initial 2,700km regional Heli-Air Mag survey of the district
- Property wide reconnaissance level prospecting
- Property wide stream sediment geochemical sampling
- +500km Airborne Heli-MT survey
- Detail grid-based geochemical soil sampling El Potro & VN Zone
- Ground based Electrical IP/Gradient Array Geophysics (Resistivity/Chargeability)
- **Multiple Drill Targets Identified**

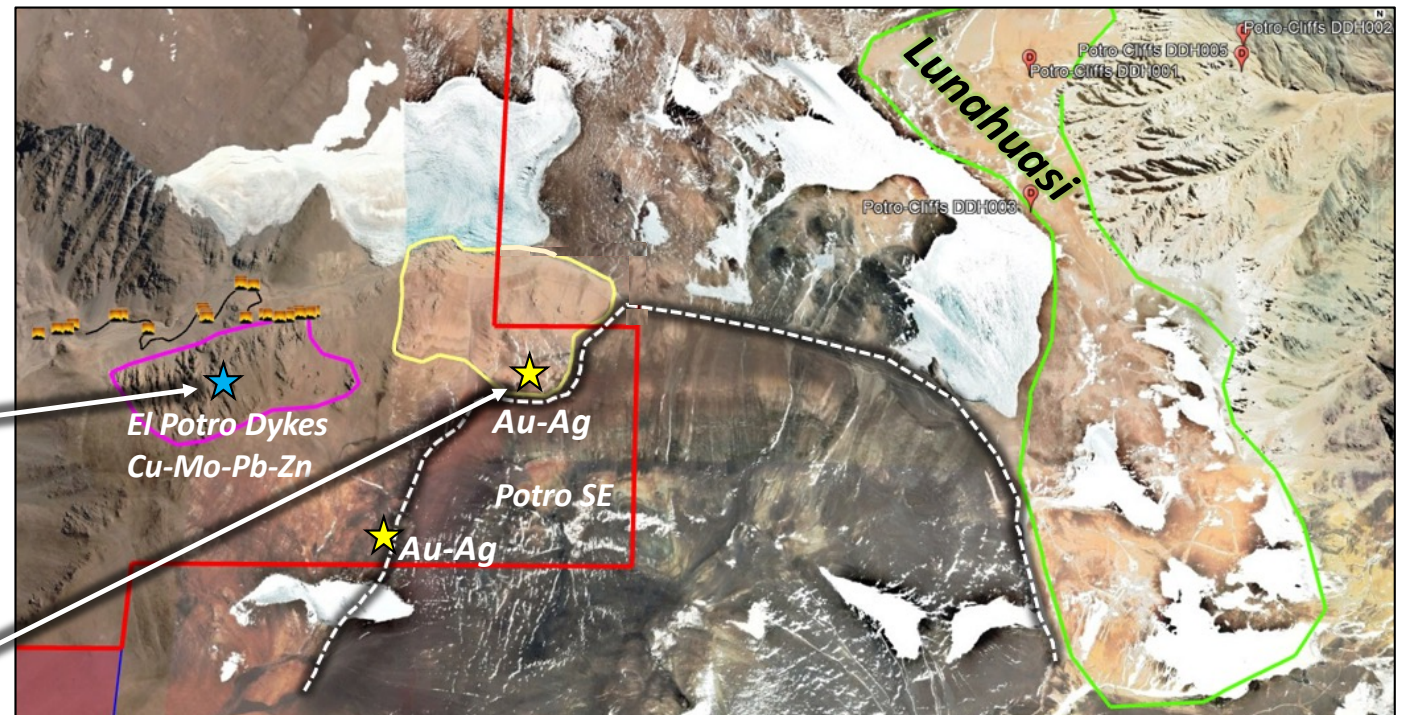
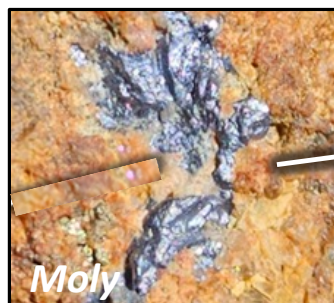
Sobek & SQM Rosita - Drilling High-Priority Targets



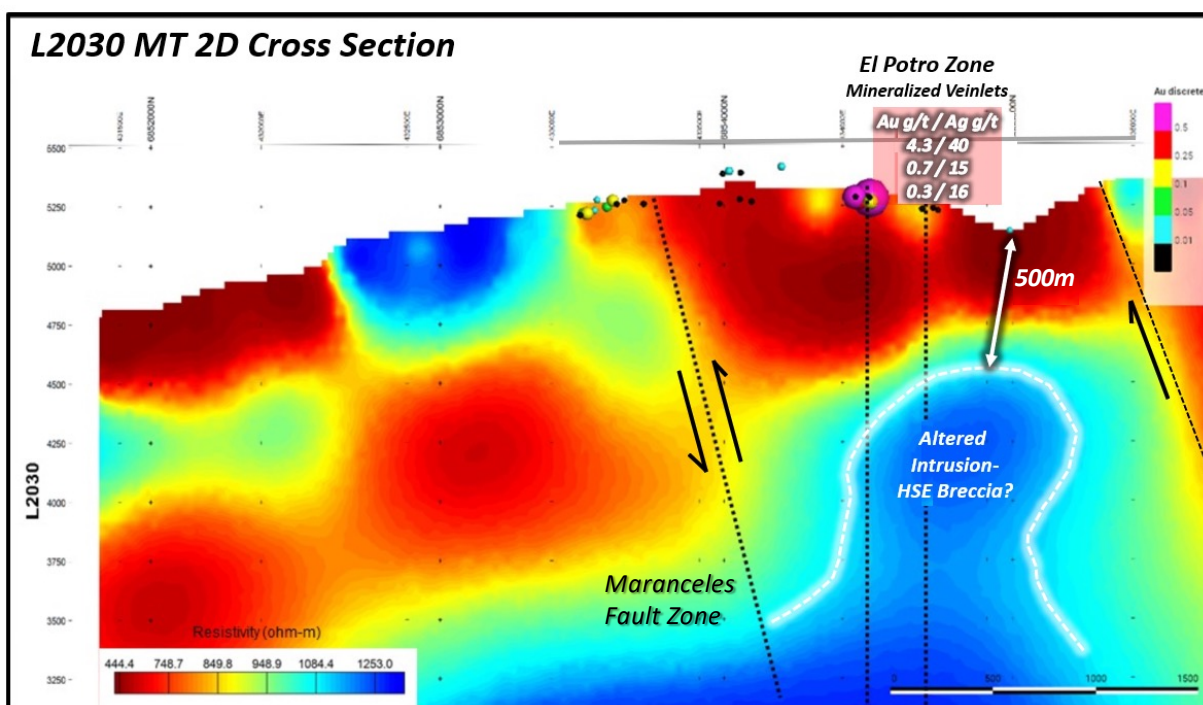
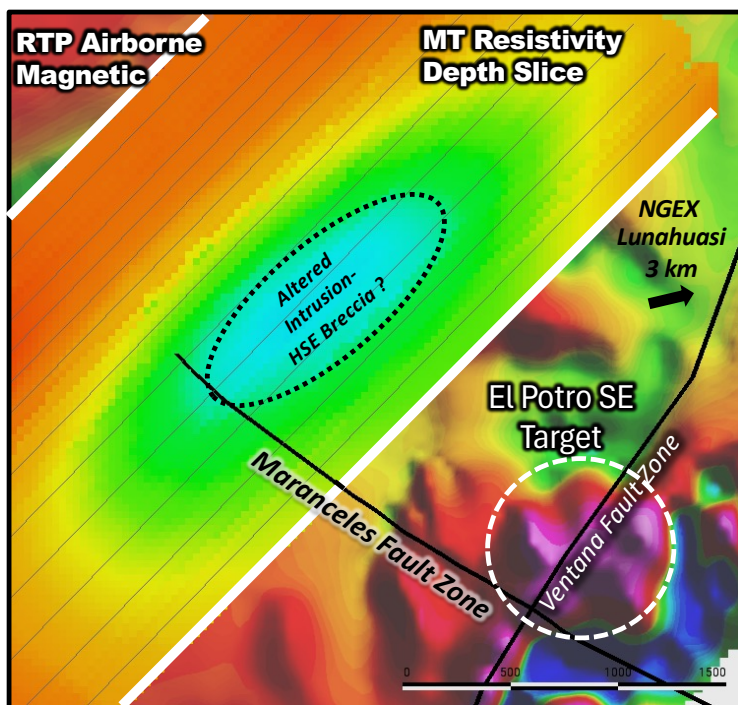
First Phase of Drilling Sobek North Block - Potro SE Target



Sobek North - El Potro - Geology and Surface Samples



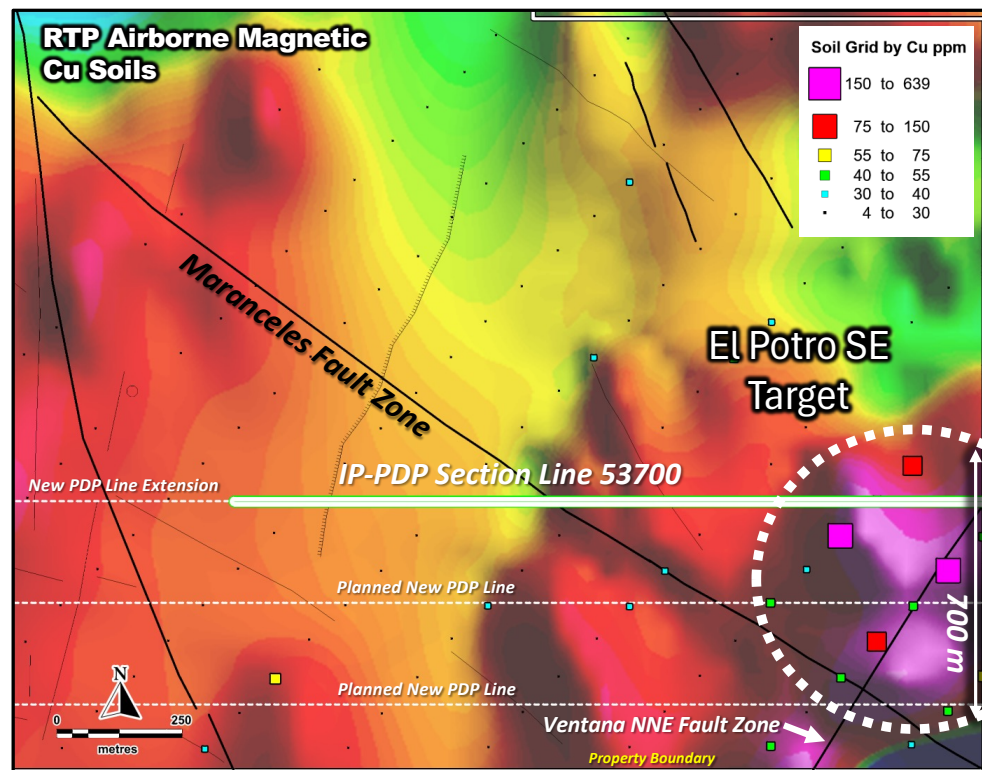
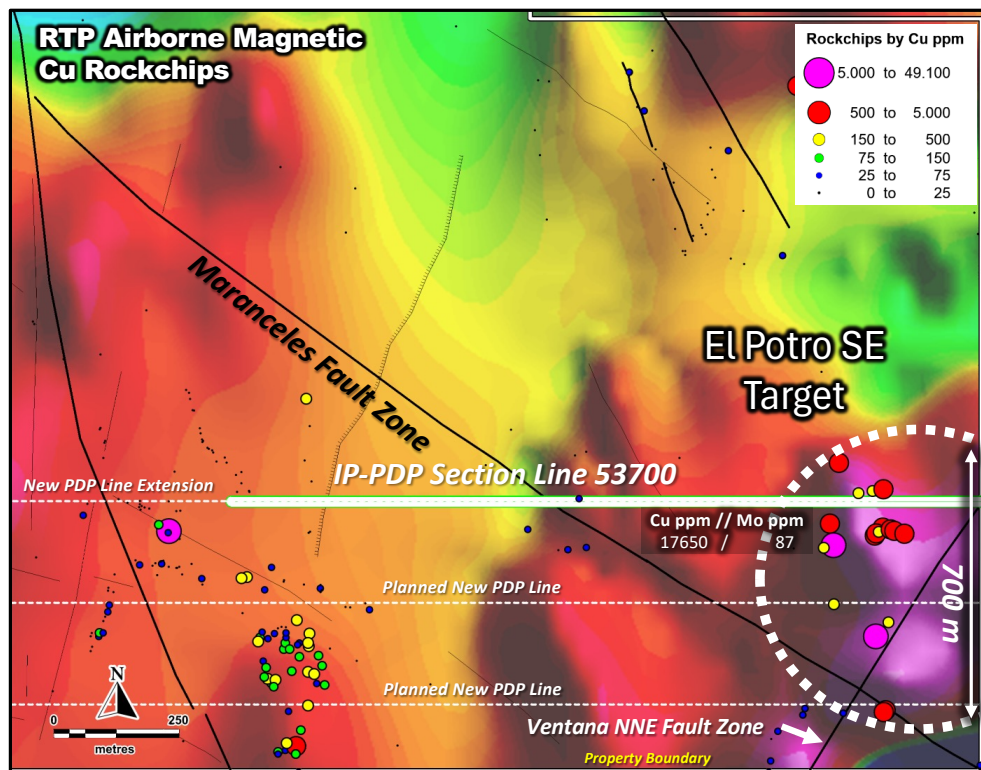
Sobek North - El Potro Prospect - New Priority Target



- Small area of 13 km² Mobile MT Survey flown
- New Potro SE porphyry target
- Coincident mag & soil/rock Geochem anomaly with a good structural setting. No MT cover.

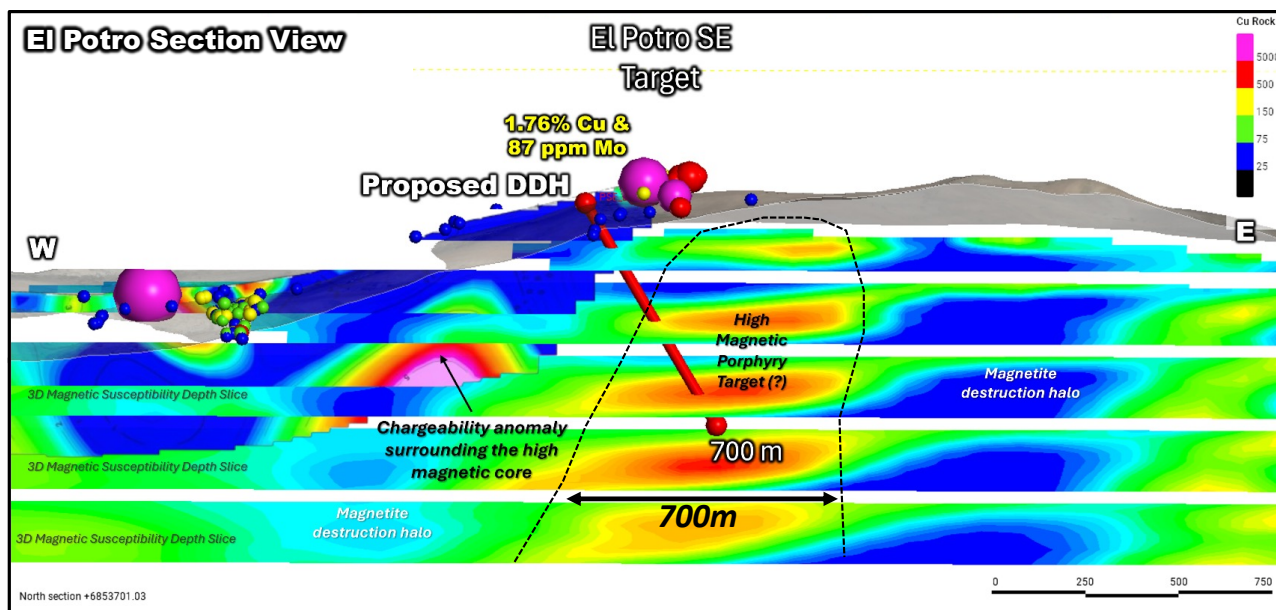
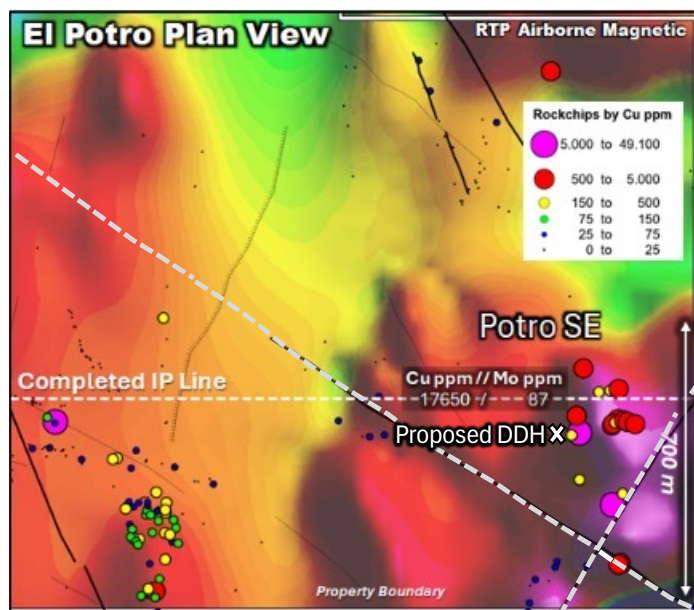
- 3km from NGEx discovery at Lunahuasi
- Select rock chip samples up to 4.3g/t Au and 25.9g/t Ag
- Considered a quality drill target

Sobek North - Cu-Mo Anomalies and Mag High Correlation



- Strong Cu-Mo core with coincident Cu rockchips and soil grid anomalies, residing above the magnetic high.
- Deep Seeing IP-PDP survey currently underway to improve the resolution of chargeability anomalies to refine the drill targeting process.

Sobek North – El Potro - New Potro SE Target



→ RTP Air Magnetics, POTRO SE high mag response with intersecting structures, and strong Cu-Mo geochemical anomalies.

→ 700m wide, cylindrical Magnetic Susceptibility depth slices residing below the strong coincident Cu-geochemical anomaly and a strong IP-Chargeability on the west side of the magnetic anomaly.

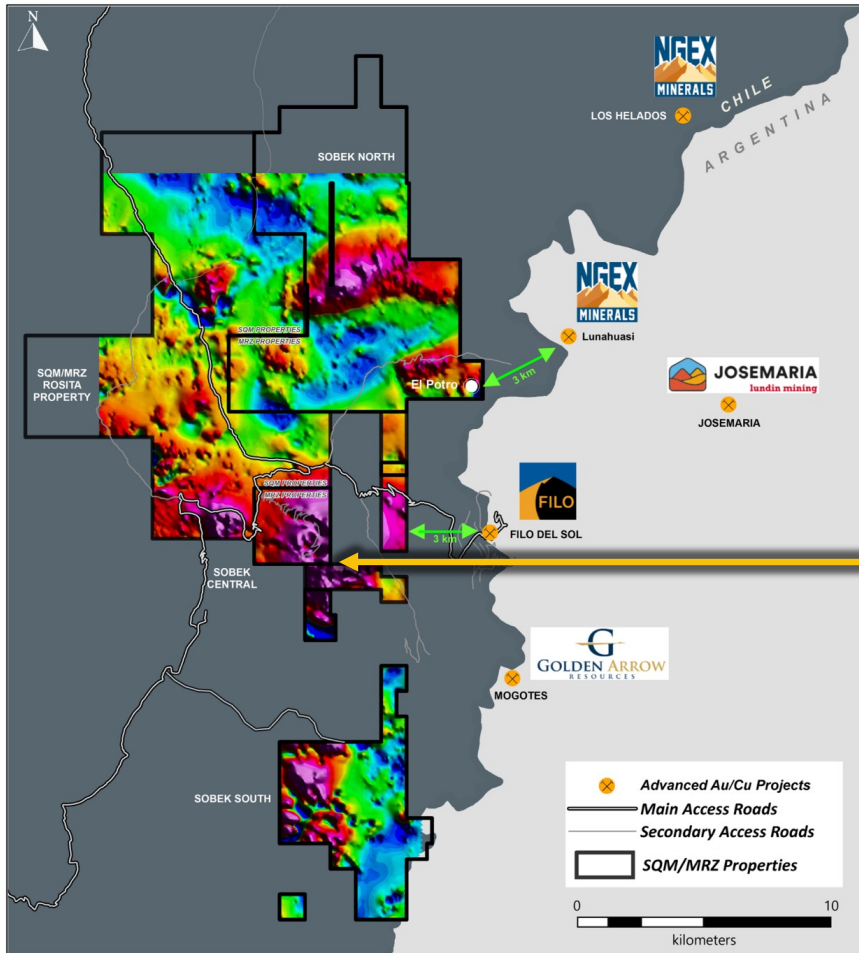
→ First proposed drill hole to intersect magnetic high at depth of ~400-700m

Sobek North - El Potro SE – Advancing to Drilling

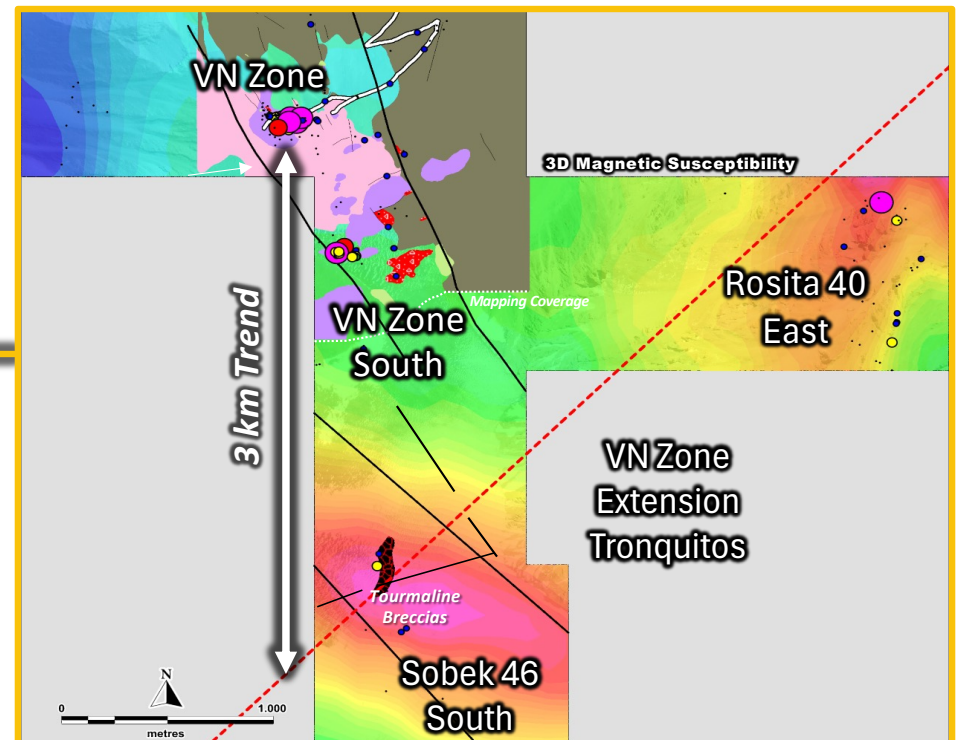


- ✓ Environmental clearance for Sobek North – “El Potro & SE”
 - ✓ Existing road clean-up and new access to El Potro
 - ✓ Detail geological mapping and sampling of the Cu-porphyry target at Potro East
- Geophysical IP survey at the “NEW” Potro SE cylindrical magnetic target underway
- 1,000-1,500m proposed in 2 holes (Nov-2024)
- **First-Priority Drill Target for this season**

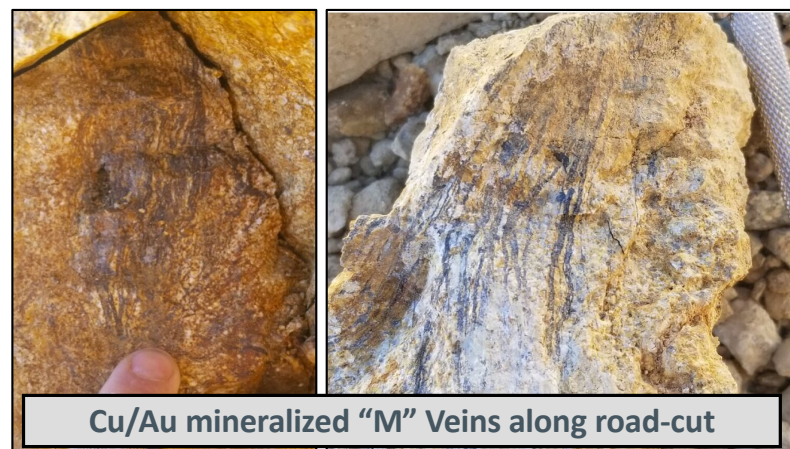
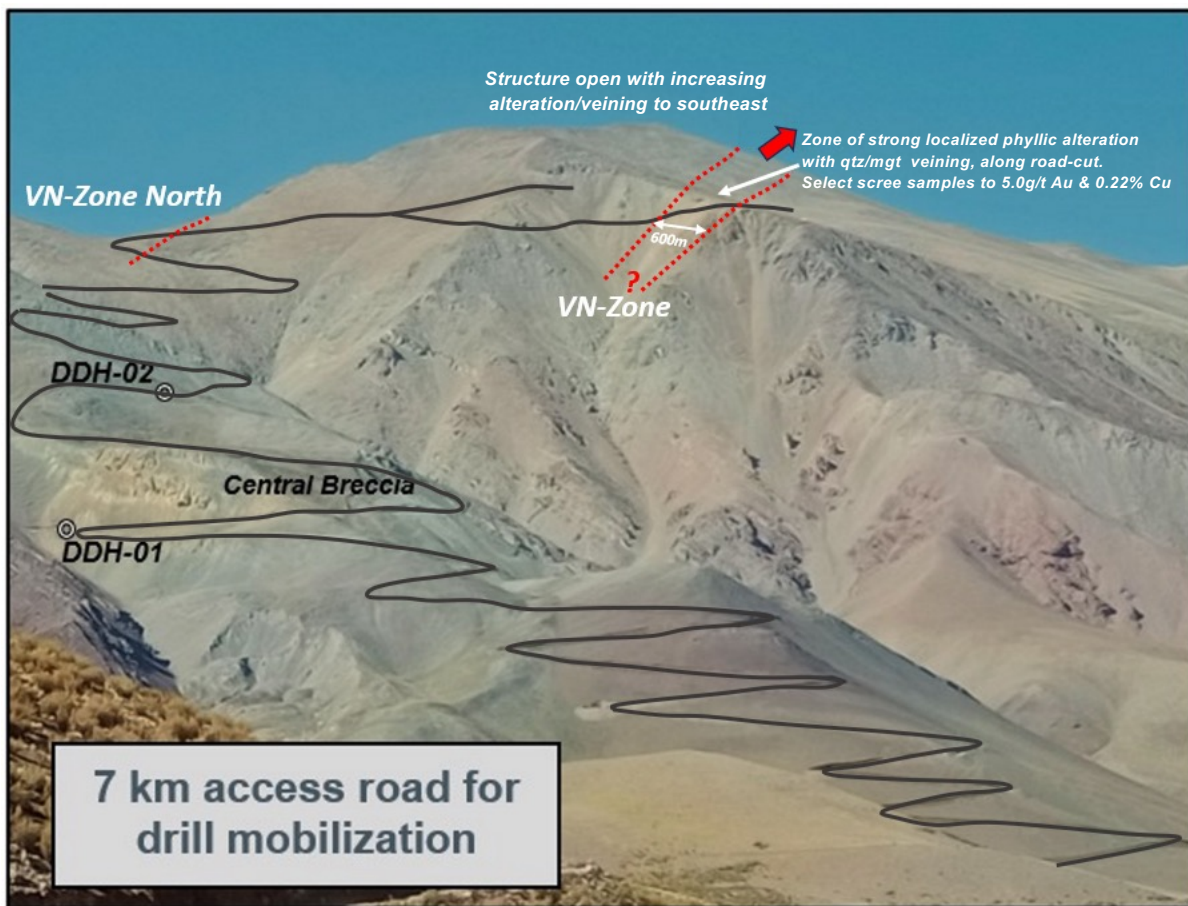
Sobek & SQM Rosita – Large Scale Porphyry Targets



2nd Phase of Drilling Sobek Central – South VN Zone



Sobek - Access Road to the VN-Zone



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

Native Gold

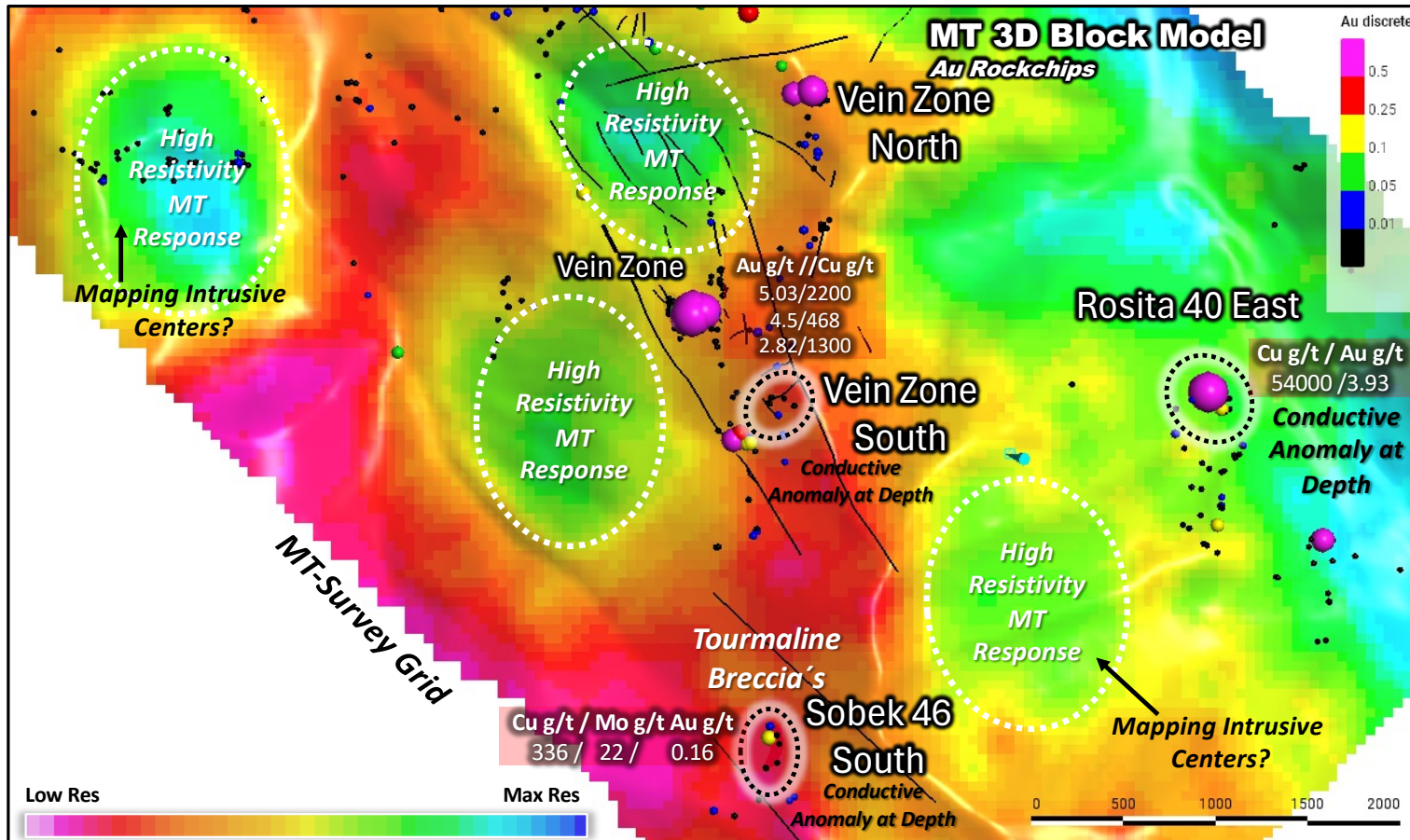
Petrology Sample MCR0025103

Recent Samples from the VN Zone

up to **5.0 g/t Au** & **0.22% Cu**

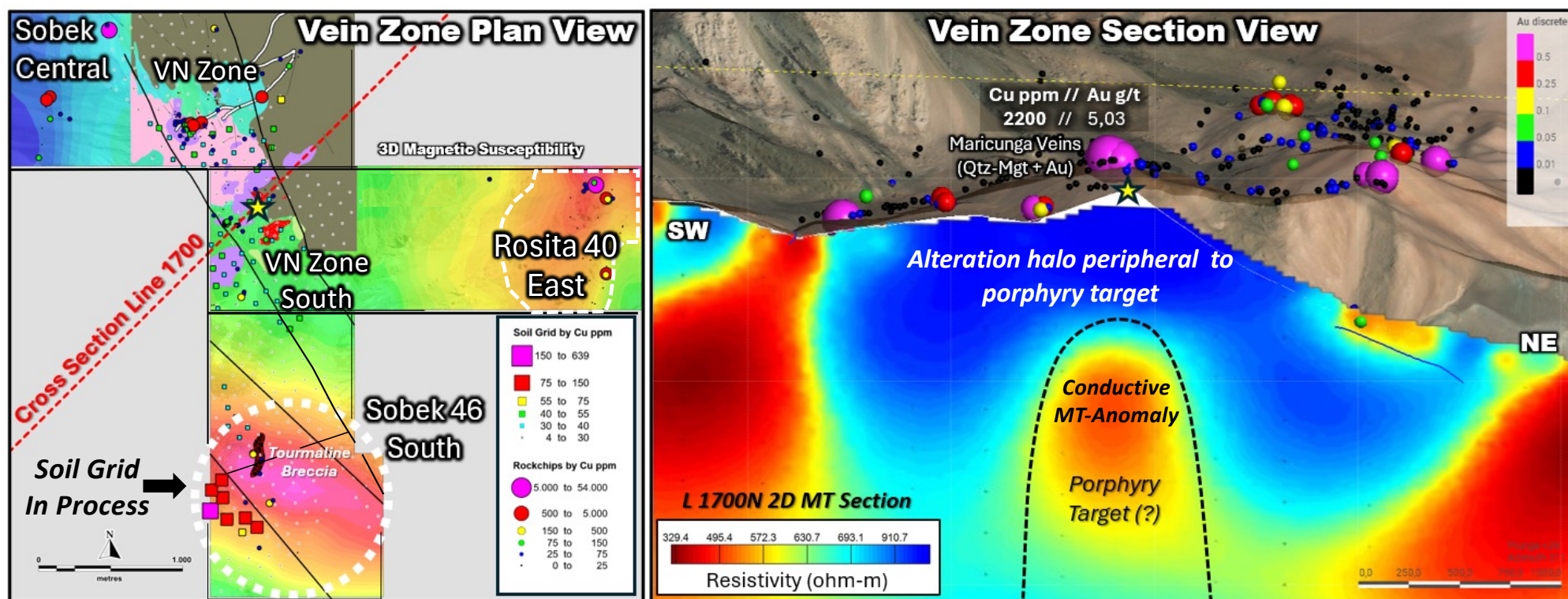
→ Electrical IP Pole-Dipole Geophysical survey to continue at VN-Zone to Sobek 46

Sobek - Mobile MT Survey – Several High-Potential Targets



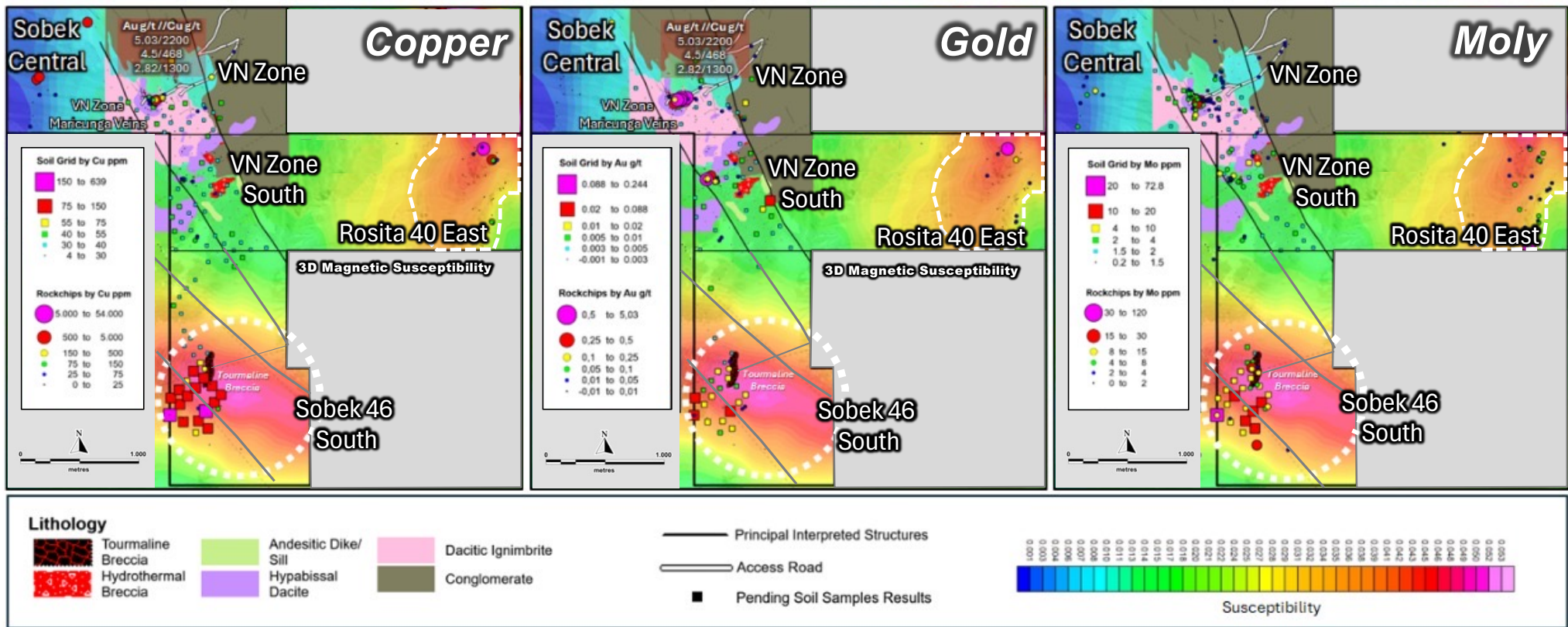
Sobek – VN-Zone and South Extensions

Airborne MT Sections & Local Geology/Geochemistry



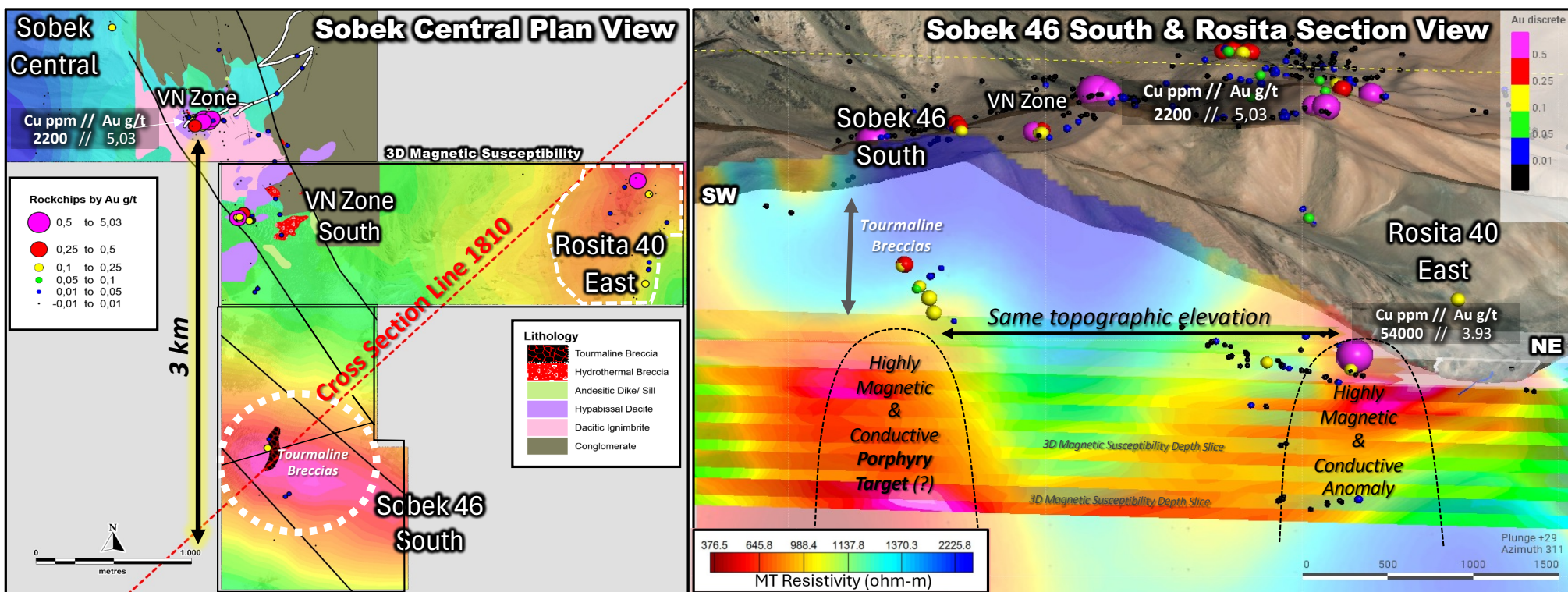
Sobek - VN Zone Extension – Rosita and Sobek 46-S

Coincident Magnetic Susceptibility – Soil/Rockchip Geochemistry



Sobek - VN Zone Extension – Rosita and Sobek 46 South

Magnetic Susceptibility - MT Conductivity - Phase 2 Drill Target



Coincident MAG susceptibility, MT conductivity, geochemical anomalies & tourmaline breccias

Sobek Central - VN-Zone South - Advancing to Drilling



- ✓ Environmental clearance obtained for VN-Zone south extension into the Rosita and new Sobek 46 South claims
- ✓ Stream sediment sampling program & prospecting including Rosita and new Sobek 46 South claim blocks
- ✓ Detail geological and structural mapping
- Currently extending road access from the VN Zone south to Sobek 46
- Continuing geochemical soil survey grid and alteration analysis
- Expanding IP geophysics to define and refine targets
- Advancing to maiden drill program at Sobek 46 South
 - 1,000- 1,500m proposed in 2 holes (Q1-2025)
- **Refining Drill Targets for Final Evaluation**

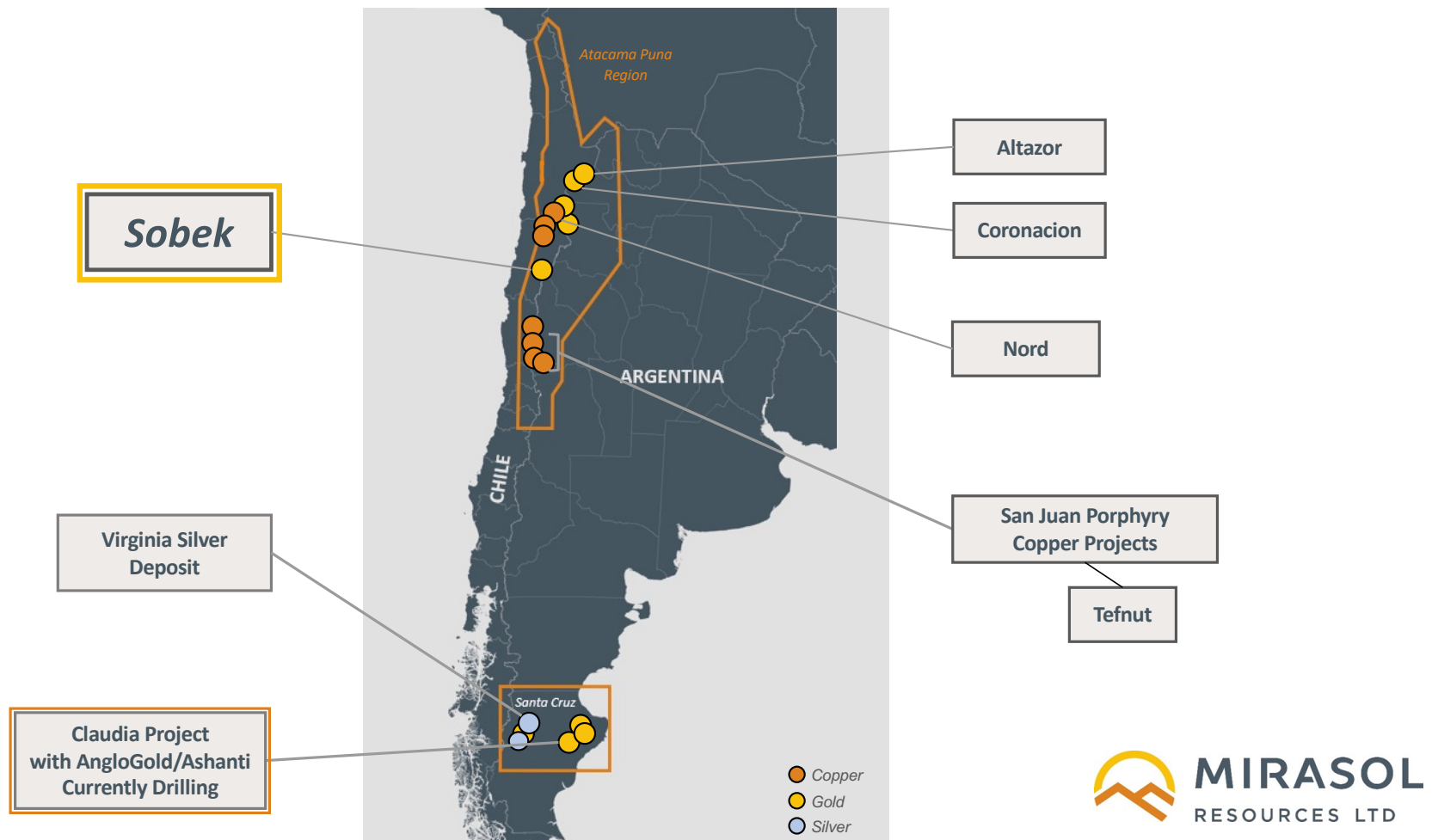
Upcoming Catalysts – Potential Value Adding News Flow

Exploration Season Oct/24 – Jun/25

- **Launch 24/25 Exploration Program**
- **Drill Sobek North - Potro SE target ~Nov '24**
- **Drill Results from Sobek North**
- **Drill Sobek Central - South VN Zone target ~Feb/Mar '25**
- **Drill Results from Sobek Central**



Pipeline of Opportunities - Unlocking Value from Portfolio





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Appendix

