



Sobek Project, Chile



MIRASOL

RESOURCES LTD

FOCUSED ON DISCOVERY

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

Precious Metals Summit
Beaver Creek September 2023

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.

Company Overview



- 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
- Drill campaigns at 2 Flagship Projects in Q3/Q4 this year
- Extensive exploration programs for remainder of 2023 and 2024

Share Structure and Treasury

Well-Funded

Cash

~C\$8.2 Million

Cash position as at end of quarter June 30, 2023

Conservative Share Structure

Shares Outstanding

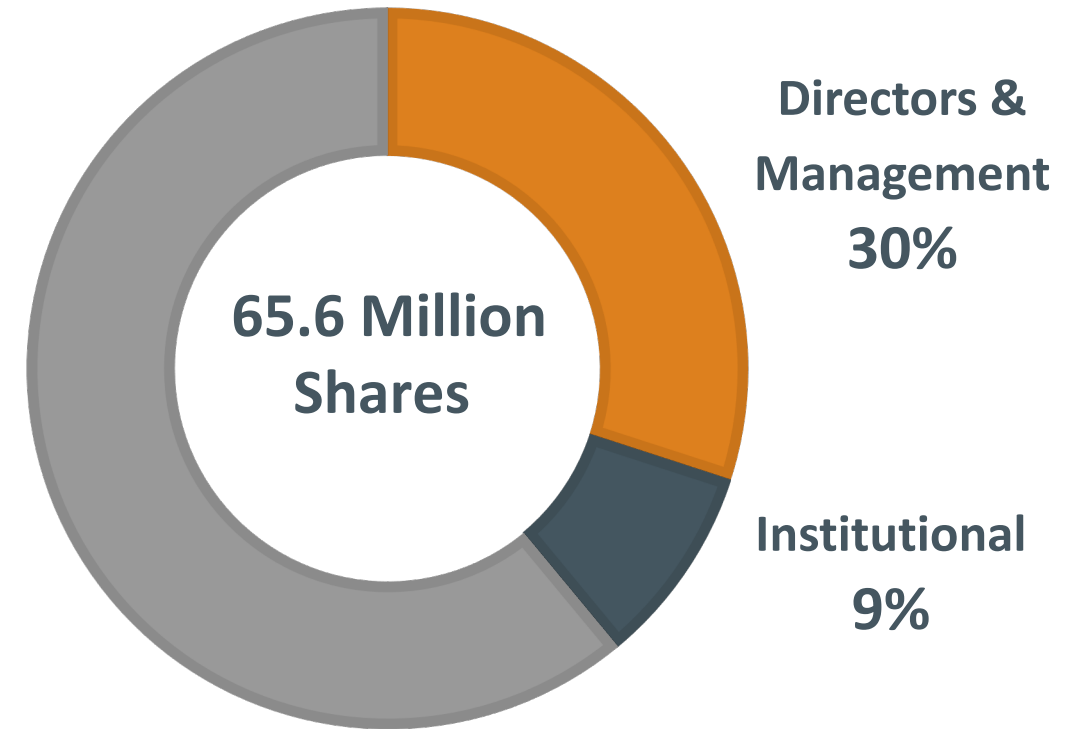
65.6M

Shares Fully Diluted

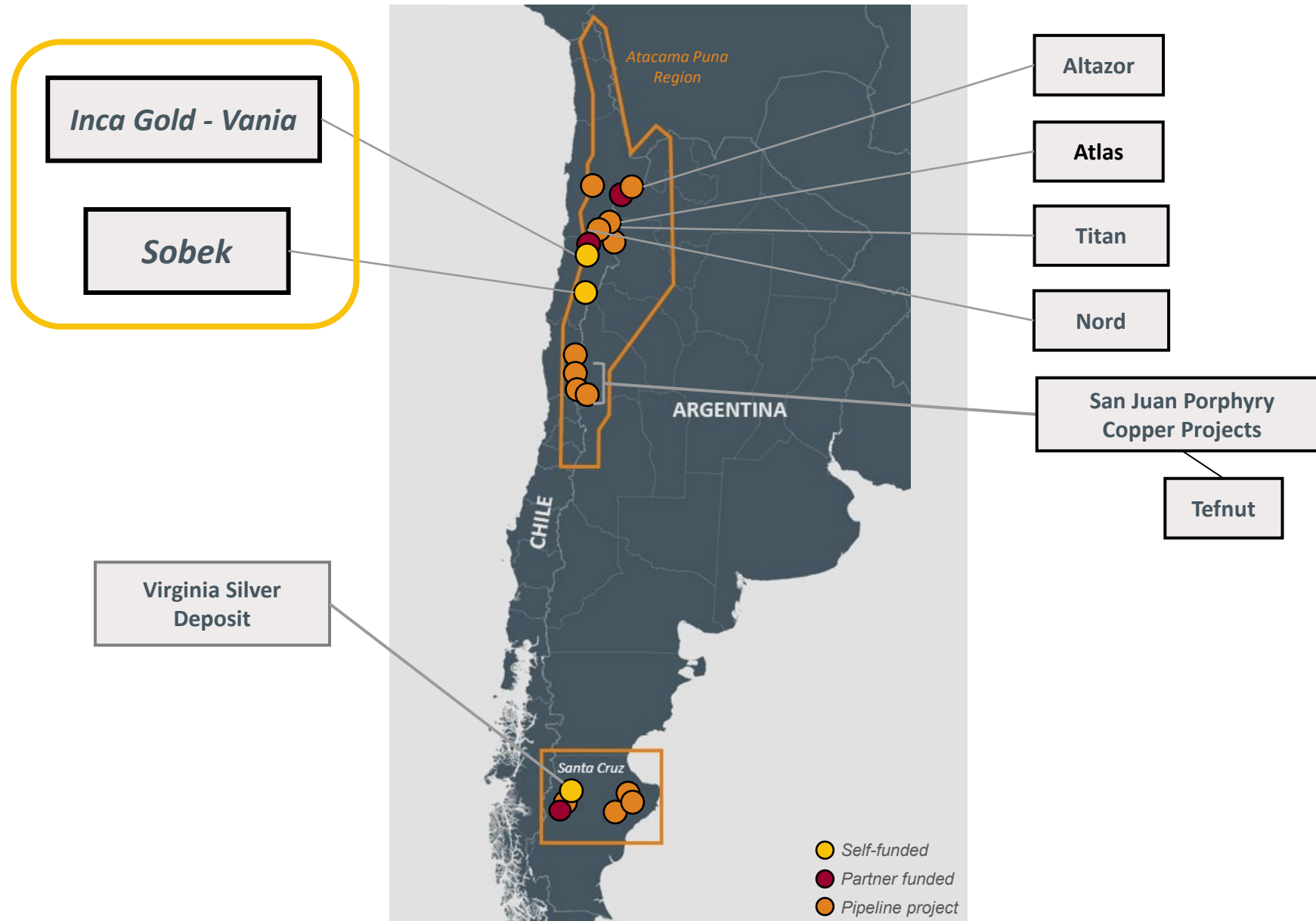
73.0M

Market Capitalization

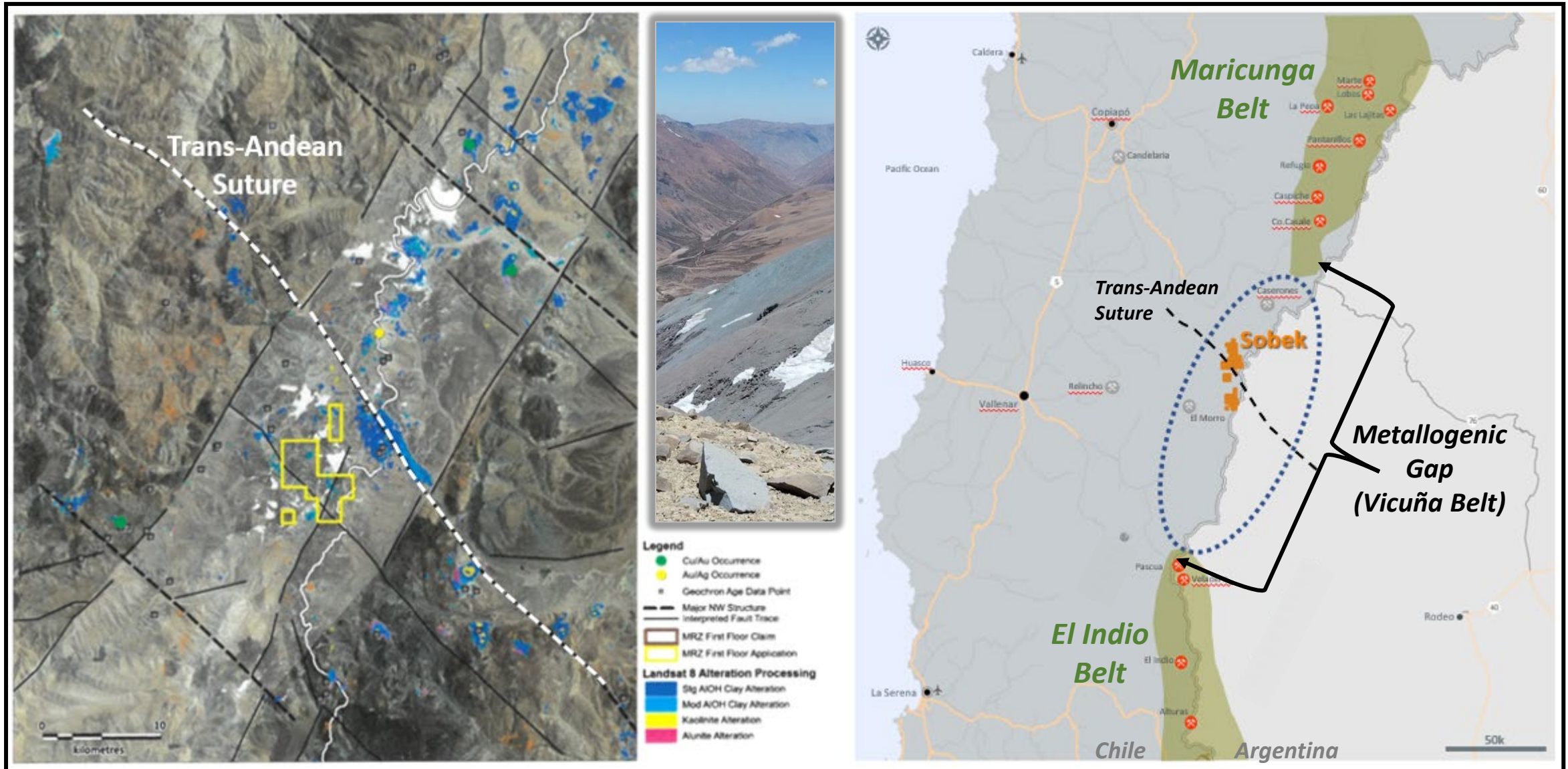
~C\$44.6M



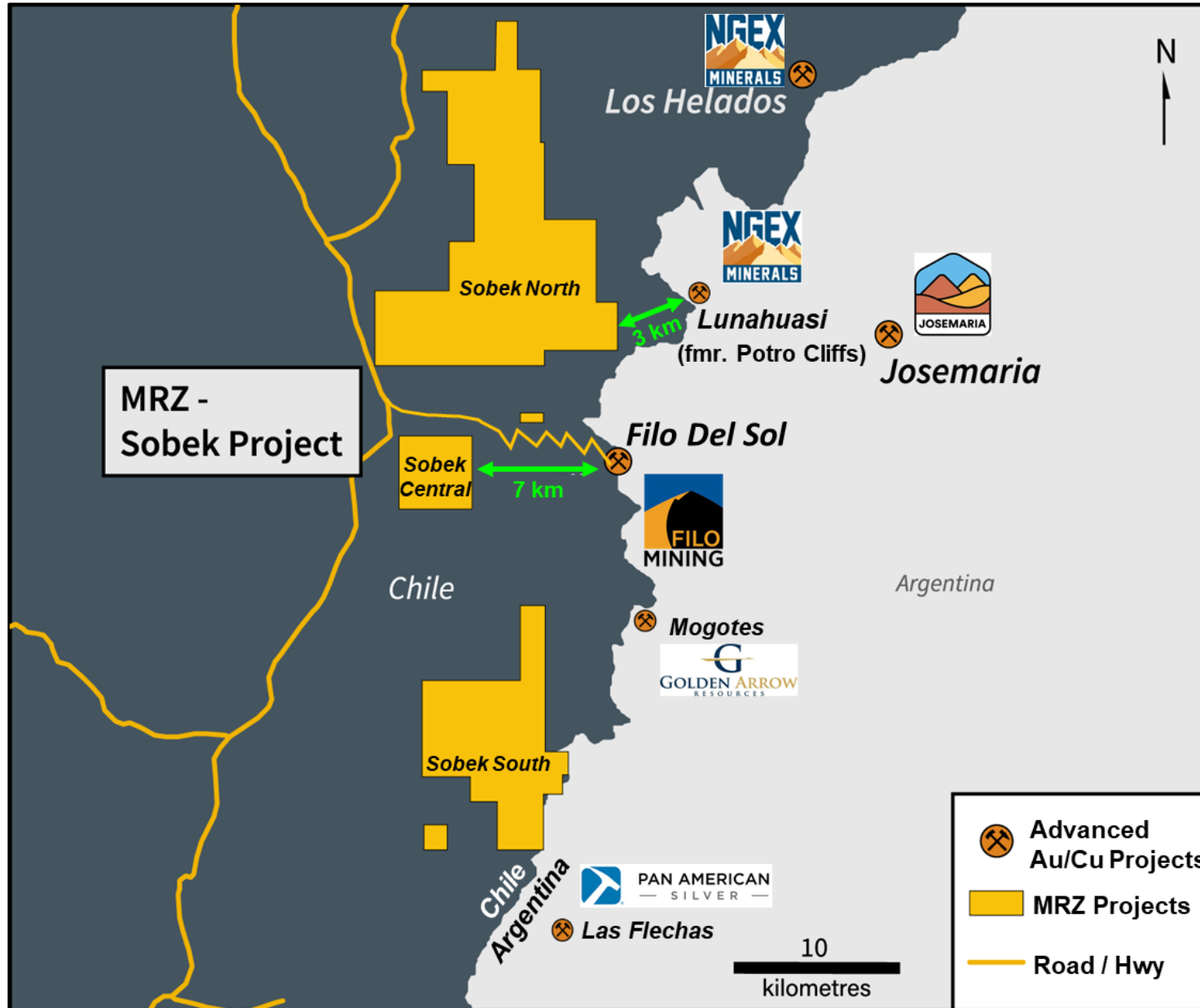
Flagship Self-Funded & Active Projects



Sobek – Targeting & Staking Rational (2016)



Vicuña District - Giant Copper-Gold District

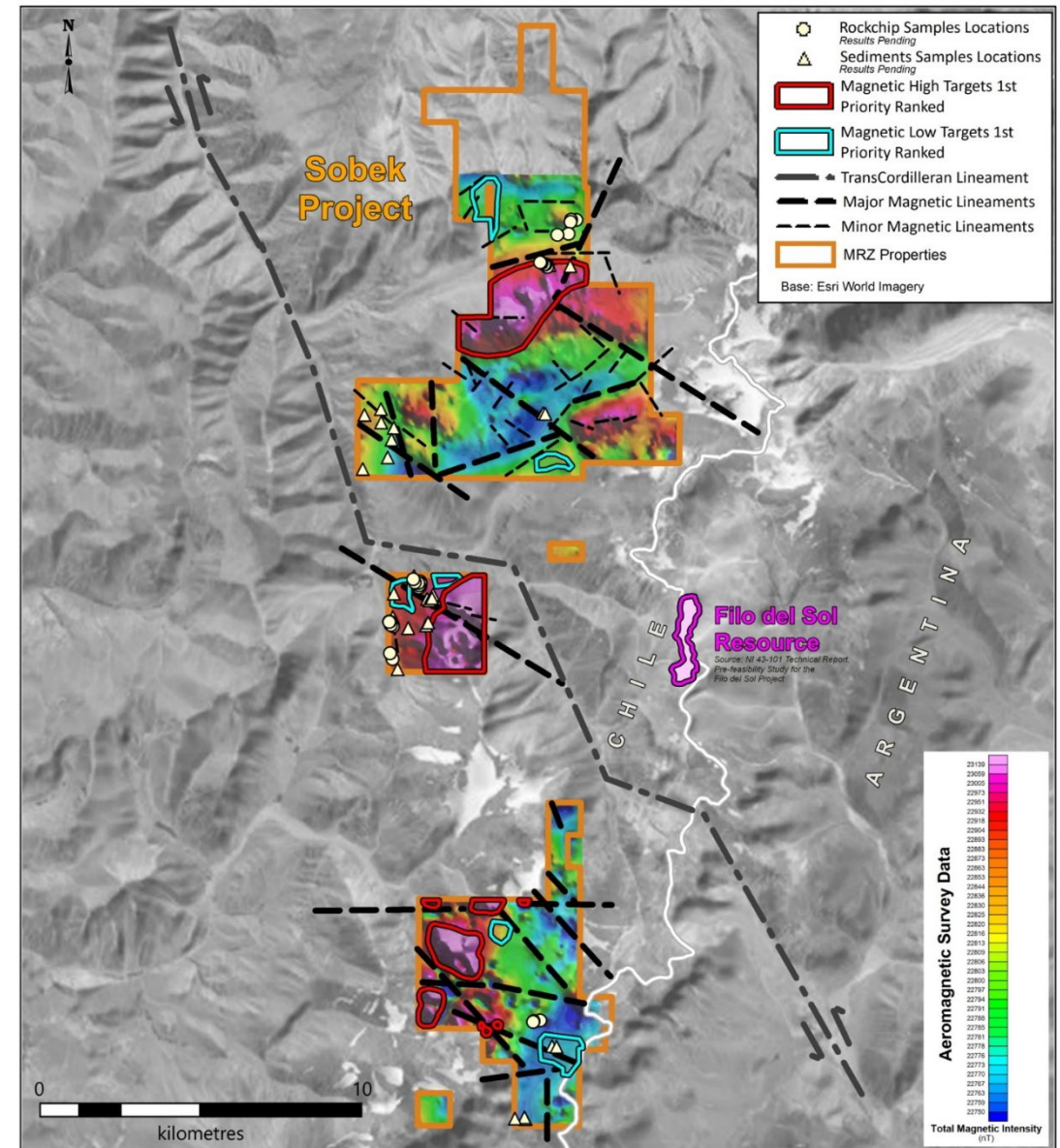


- Sobek - located in the globally recognized Vicuña copper-gold district
- 3 km west of new Lunahuasi (fmr. Potro Cliffs) discovery by NGEx Minerals
- 7 km west of Filo del Sol with Josemaria to the east and Los Helados to the north
- Mio-Pliocene age mineral belt, northern Chile
- 11,120 ha, 100% owned
- 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

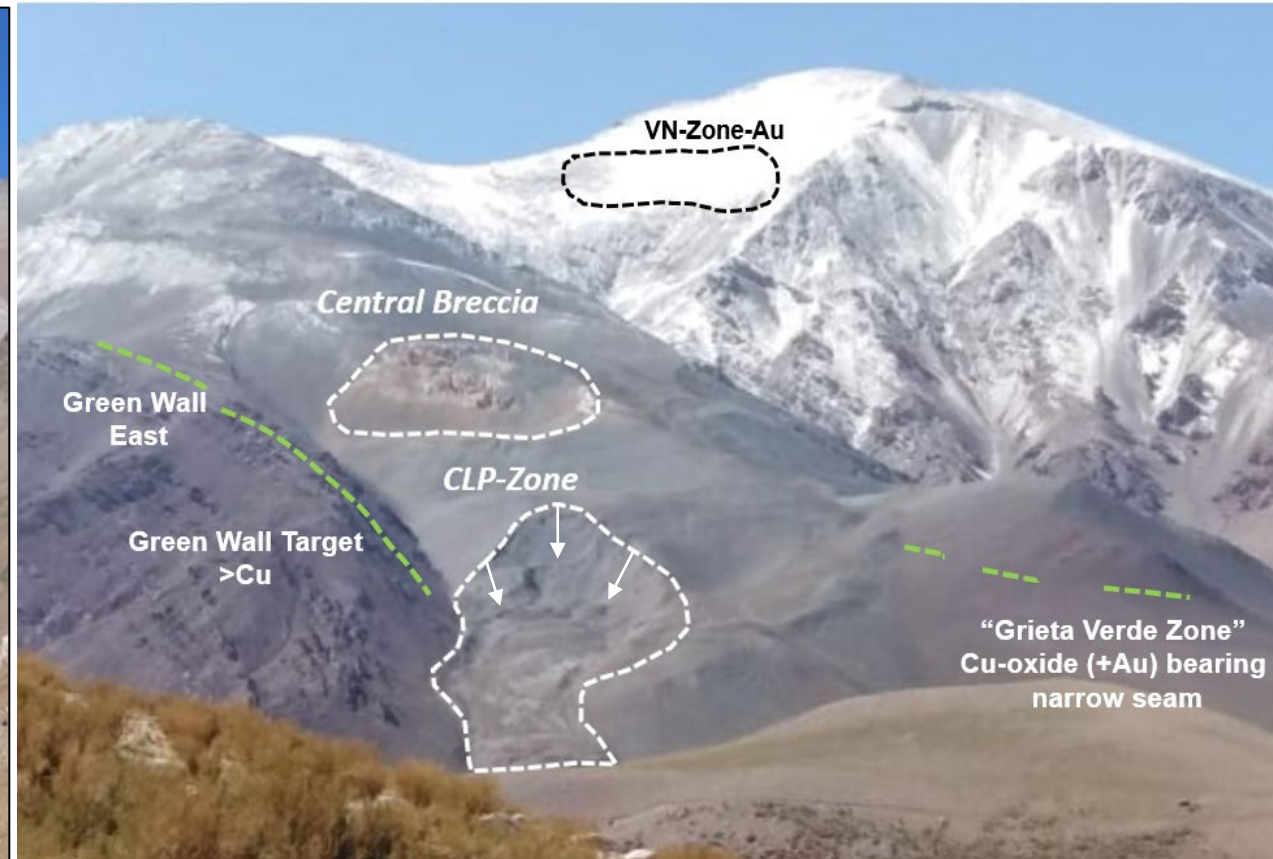
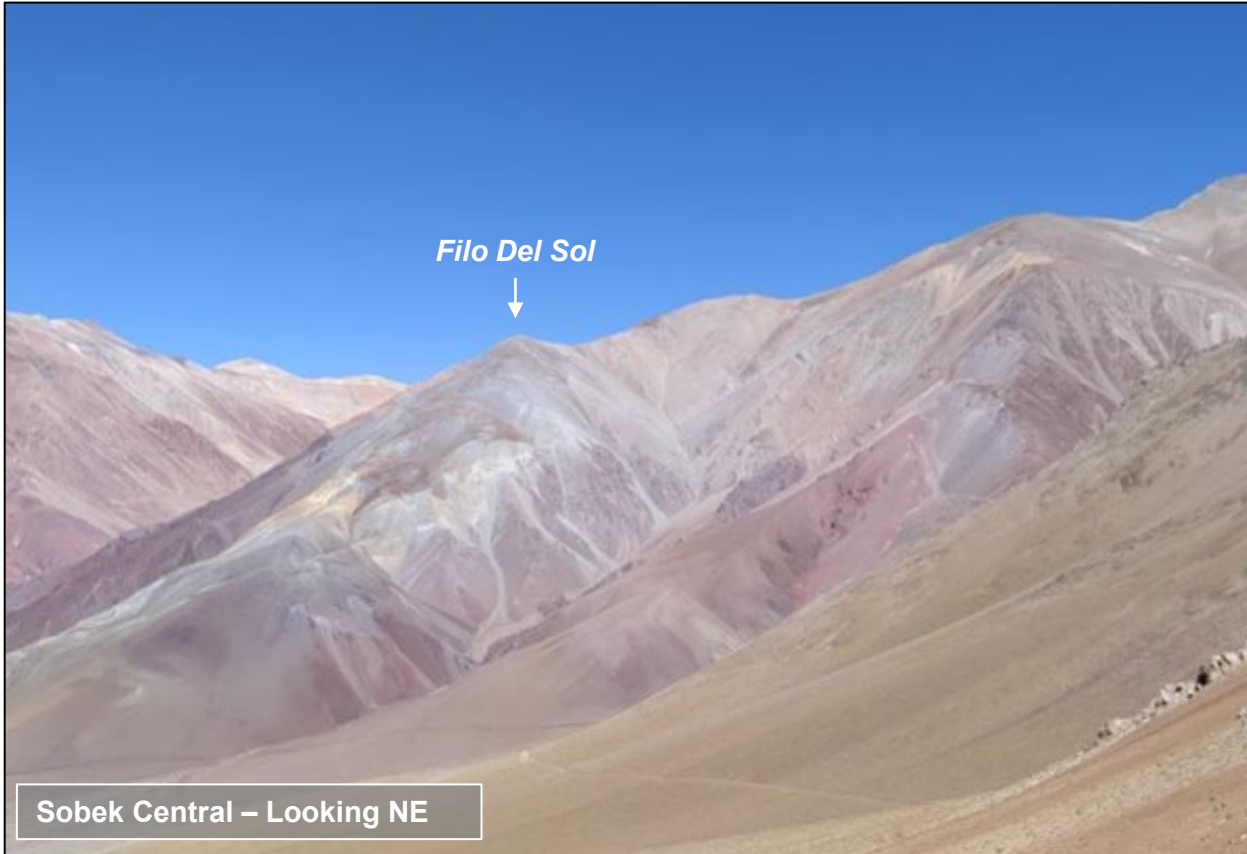
Sobek - 2021/22 Maiden Exploration Campaign

Early Airborne Magnetics:

- Property wide High resolution 2,690 line-km helicopter-supported aeromagnetic survey completed by New-Sense Geophysics Ltd, Chile.
- Improved understanding of the local structural architecture
- Defined multiple highly prospective geophysical magnetic targets
- Resulting in a significant advantage in this emerging district




Sobek Central - Prospects



The initial reconnaissance campaigns confirmed the presence of interesting mineralization and alteration.

Original Anomalous Gold in Select Rock Samples from the VN Zone

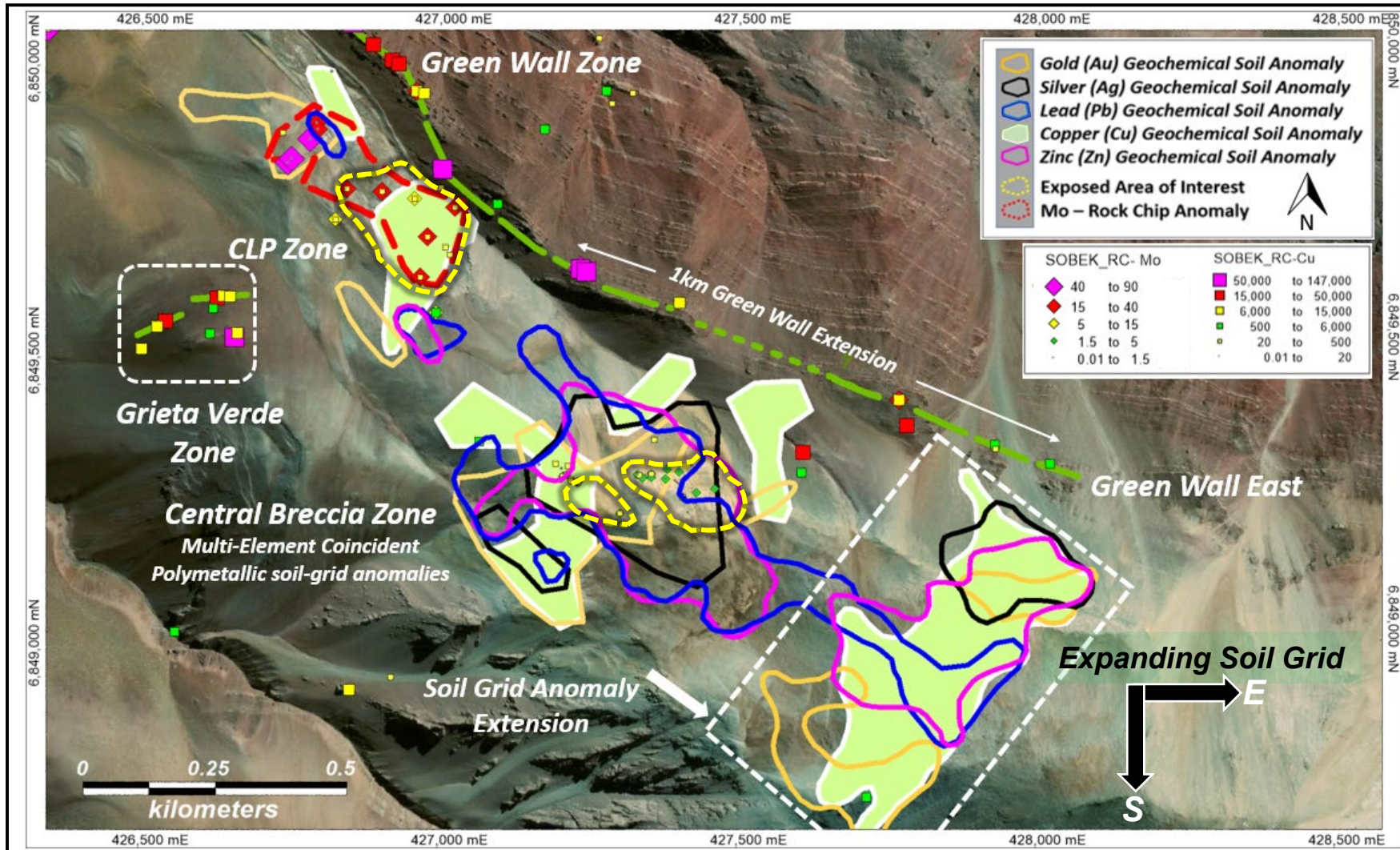
Sample	Au-ppm	Cu-ppm
MCR0024669	0.241	234.00
MCR0025102	1.610	767.00
MCR0025103	1.040	260.00
MCR0025104	0.123	100.00



Petrology Sample MCR0025103

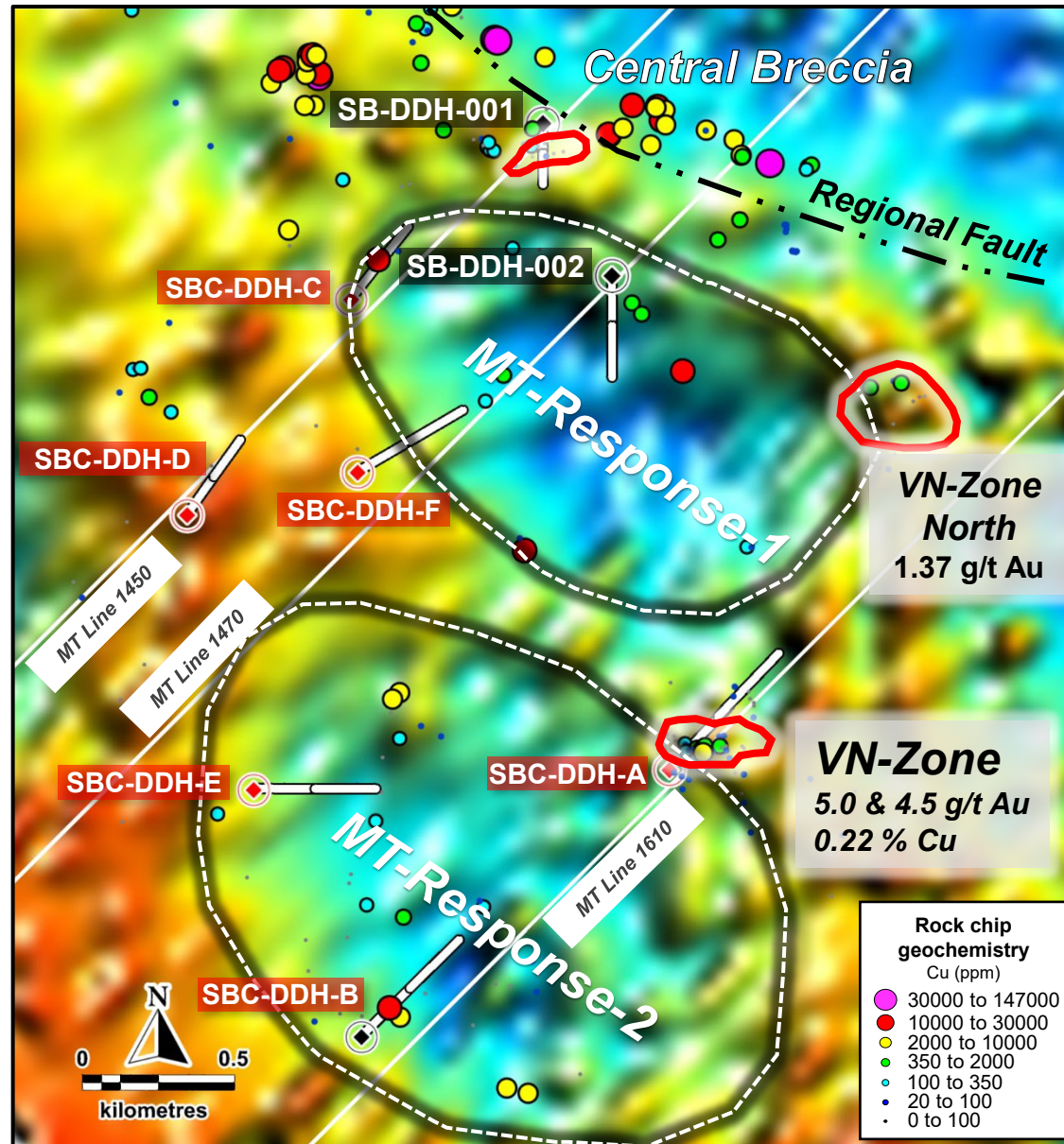
Recent Samples from the VN Zone up to **5.0 g/t Au** & **0.22% Cu**

Sobek Central – 2022/23 Exploration Results



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Sobek – Mobile MT Survey – Multiple Oval Shaped Targets

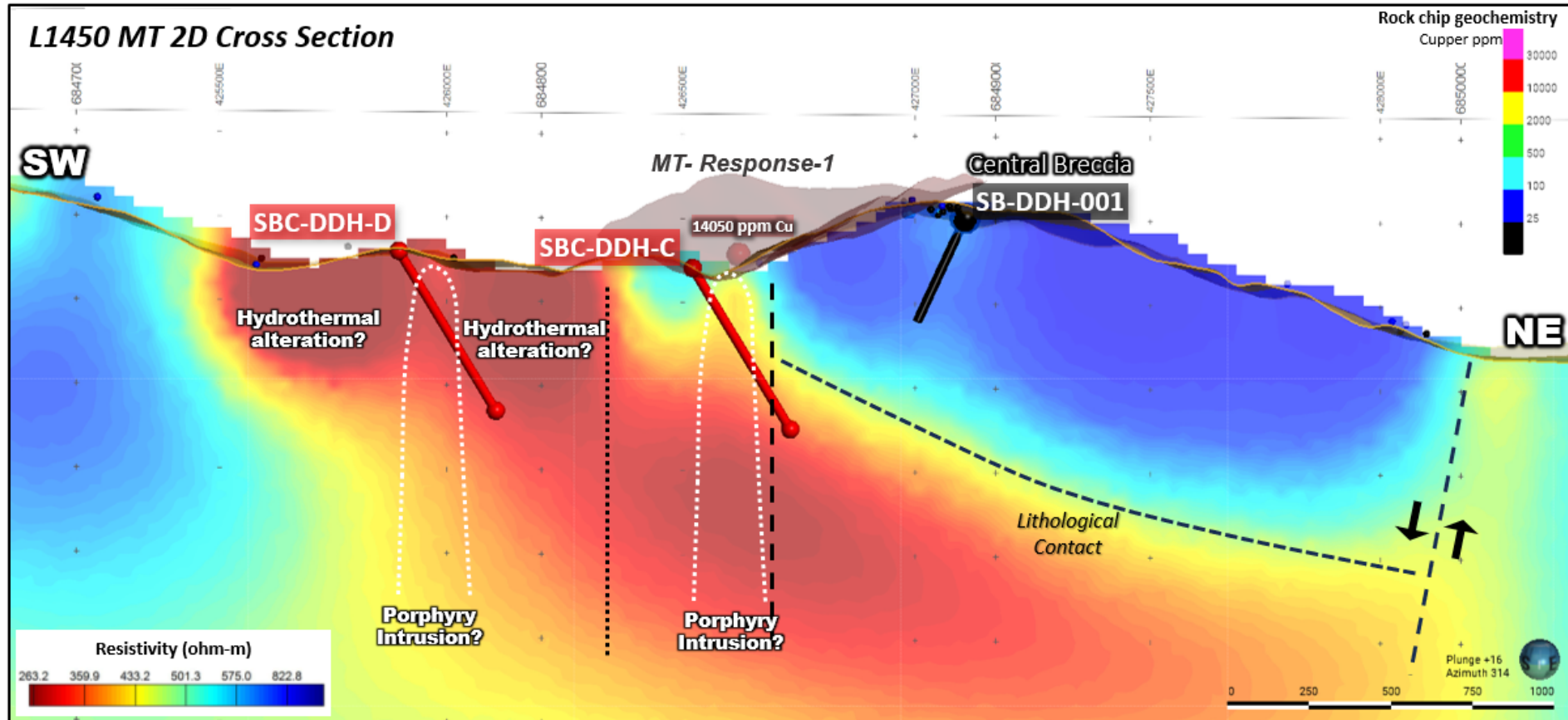
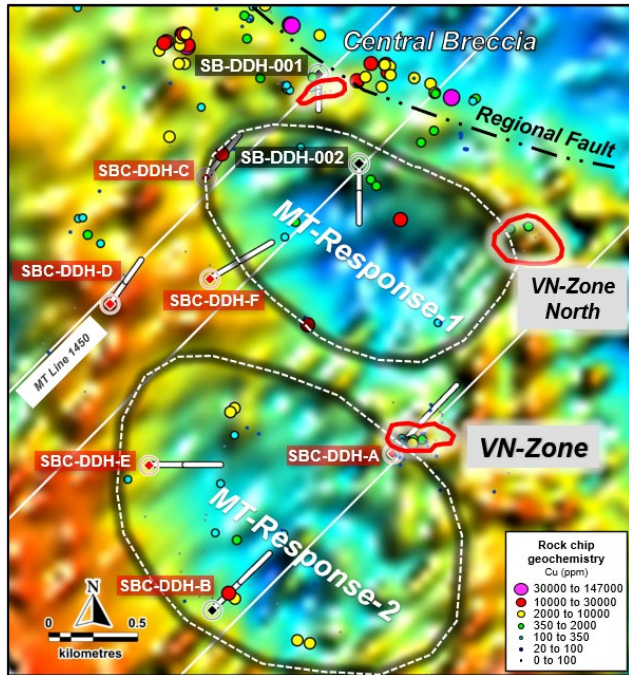


Maiden Drill Program Launched June 2023

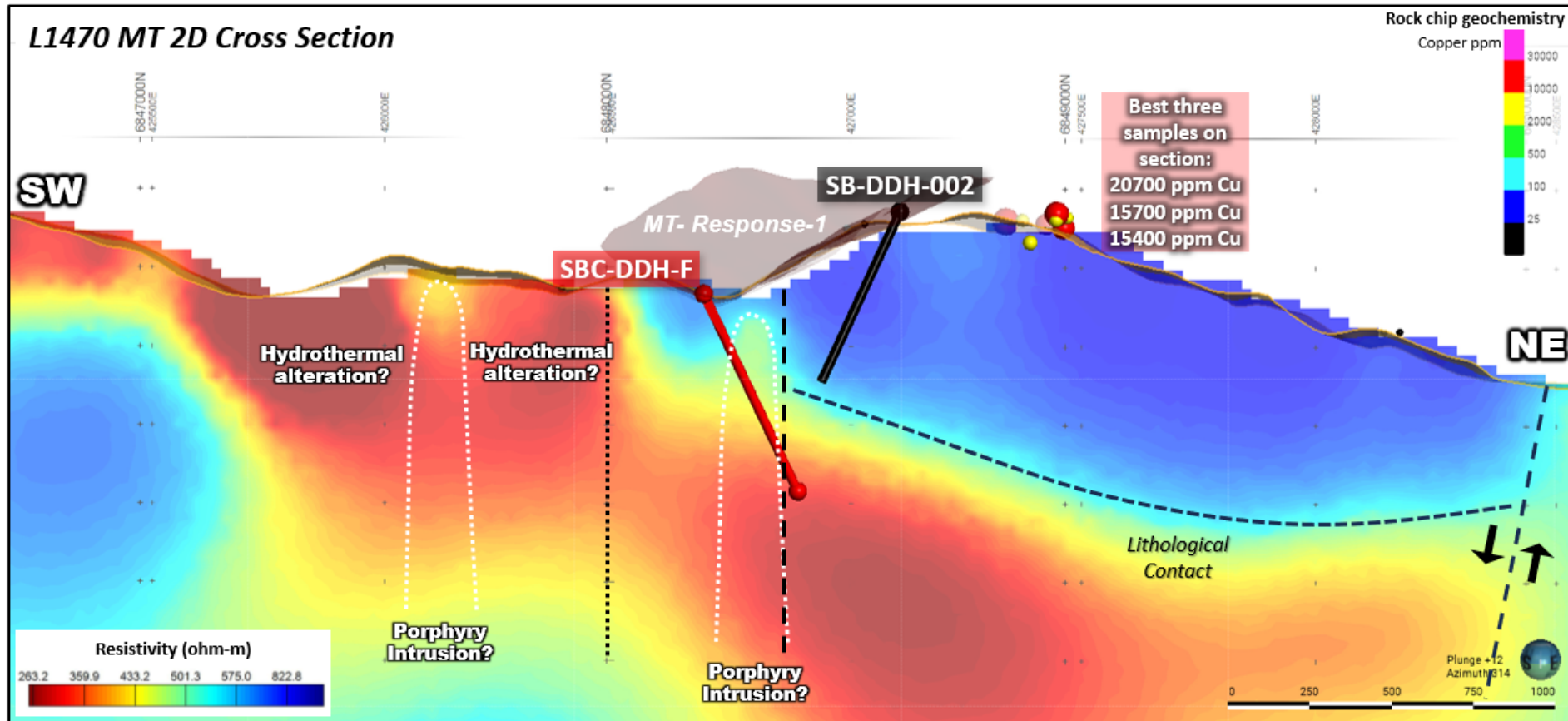
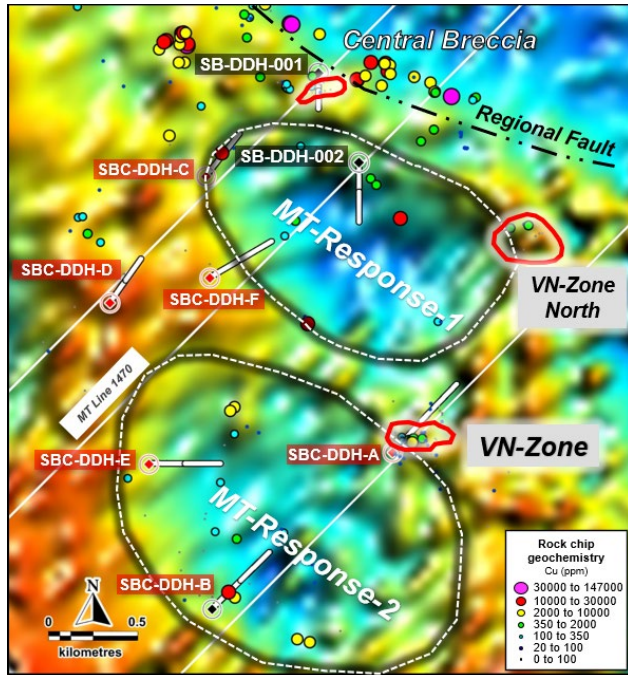
- First 2 drill holes – total of ~940m
- Drill hole 001 targeted beneath Sobek Central Breccia Zone – to a depth of 352m
- Drill hole 002 targeted rim of Mobile MT response – reached 586m halted due to weather
- Follow-up drilling required
- VN-Zone will be a priority when program resumes

→ **Drilling Resumes Oct 2023**

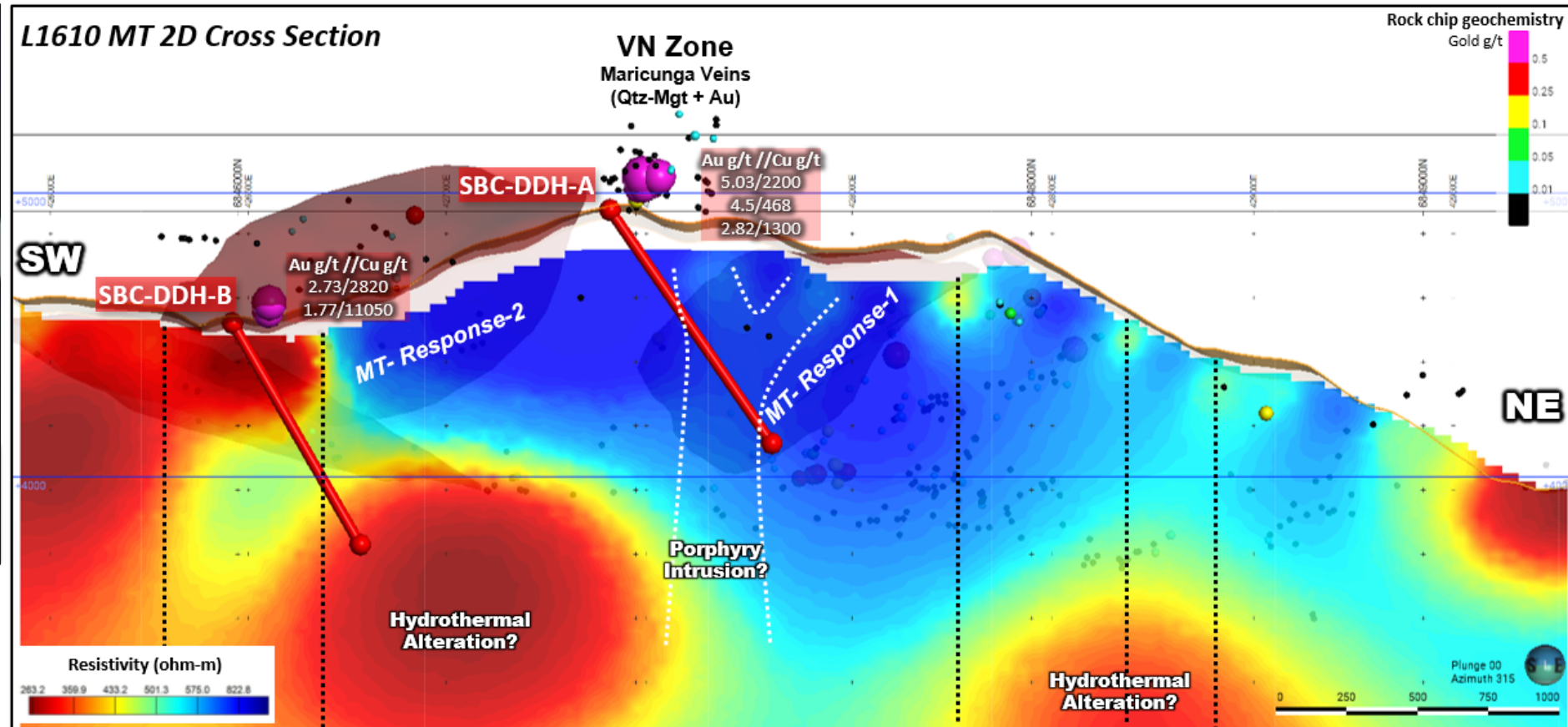
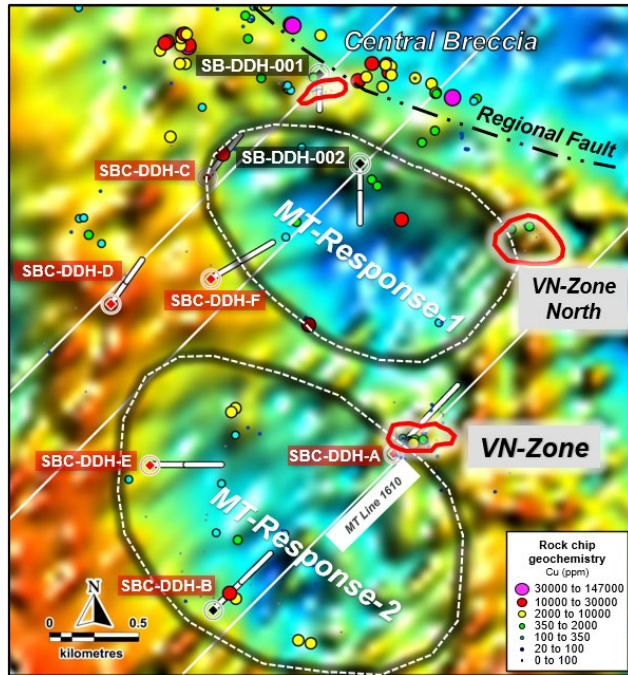
Sobek – Mobile MT Survey – Cross Section



Sobek – Mobile MT Survey – Cross Section



Sobek – Mobile MT Survey – Cross Section

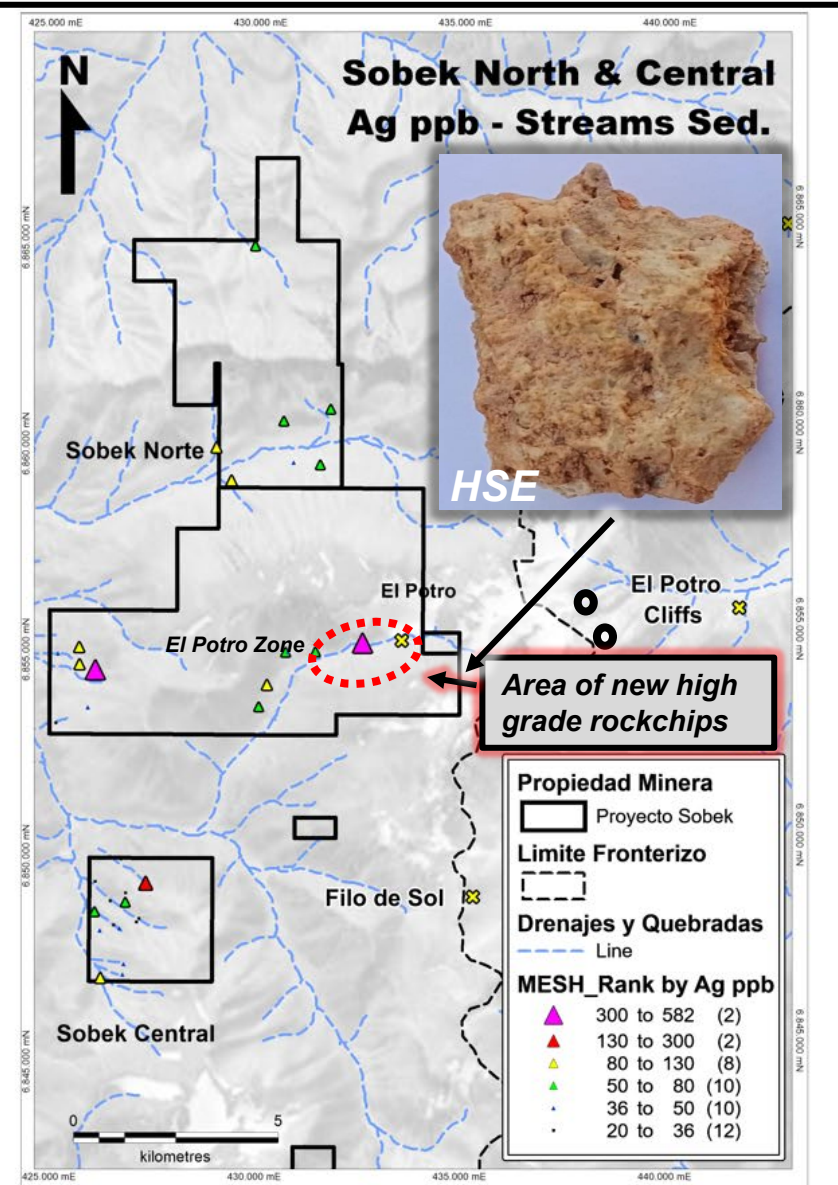
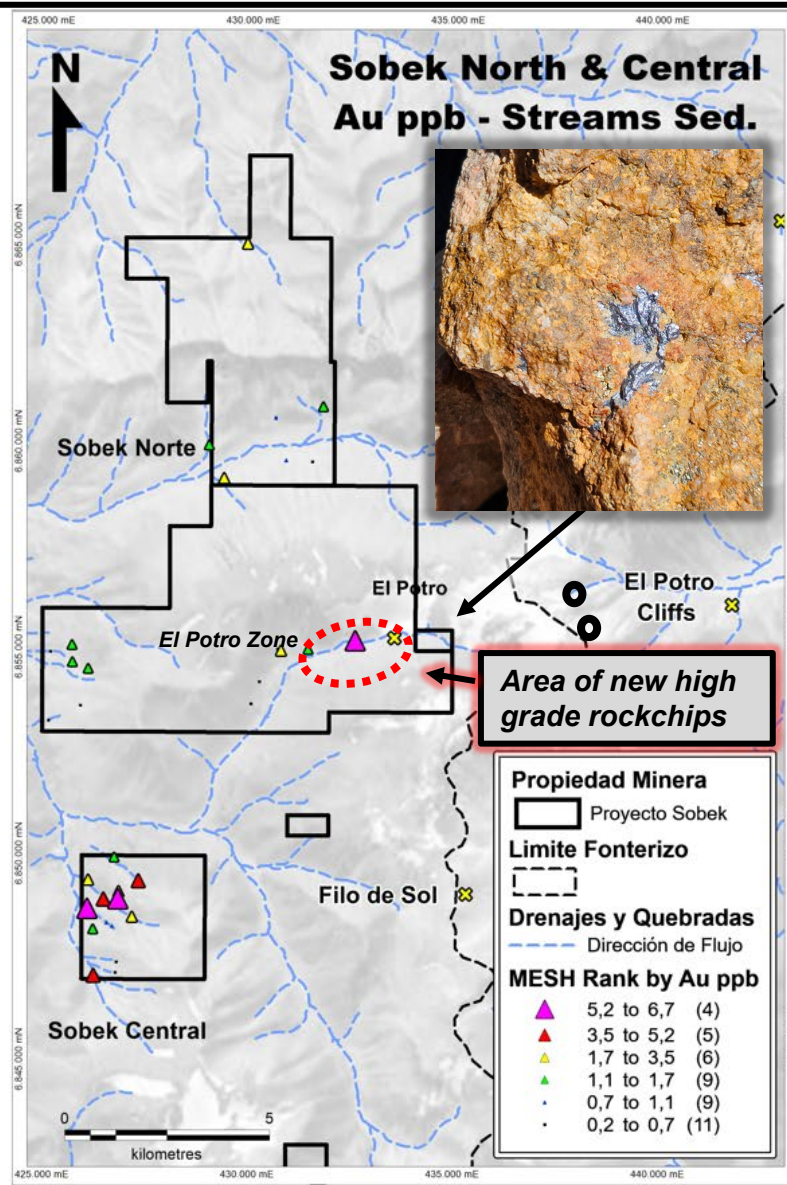
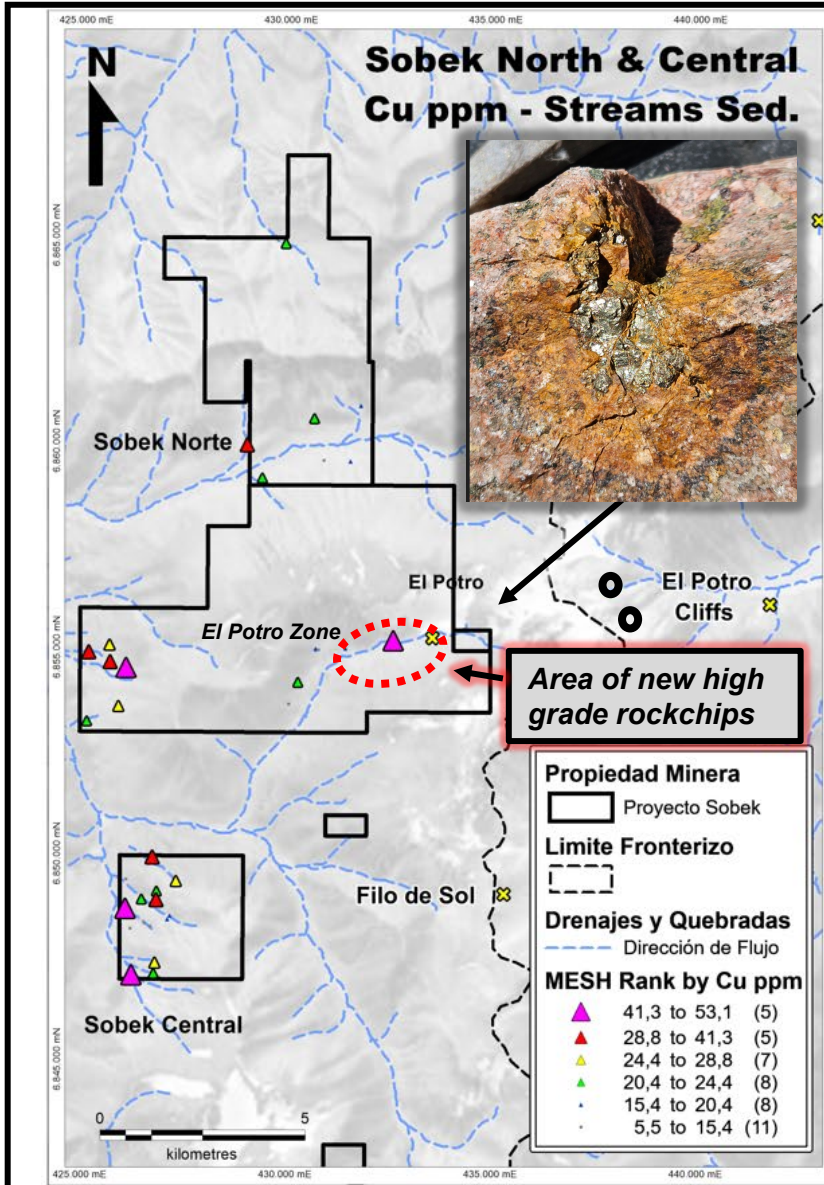


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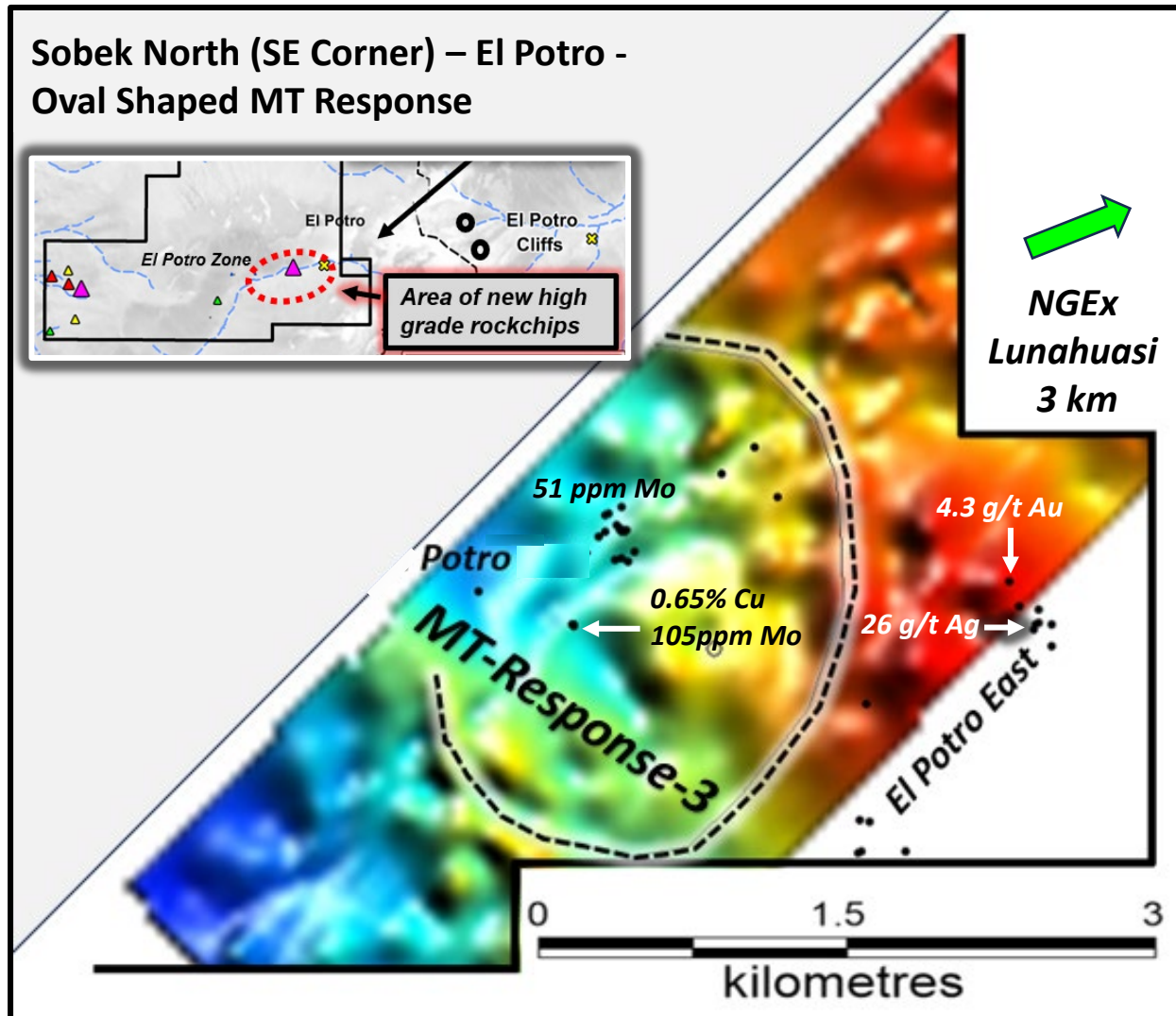
Sobek – Access Road to VN-Zone



Sobek Central & North - Stream Sediment Anomalies (-80#)



Sobek North – El Potro - New Priority Targets



Sobek North – El Potro Prospect

- 3km from NGEx discovery at Potro Cliffs
- Small 13 km² Mobile MT Survey flown
- Large oval MT Anomaly potential mineralized intrusive center
- Select rock chip samples up to 4.3g/t Au and 25.9g/t Ag

→ **Priority drill target for Q1/24**

Sobek - 2023/24 Maiden Drill Campaign Continues

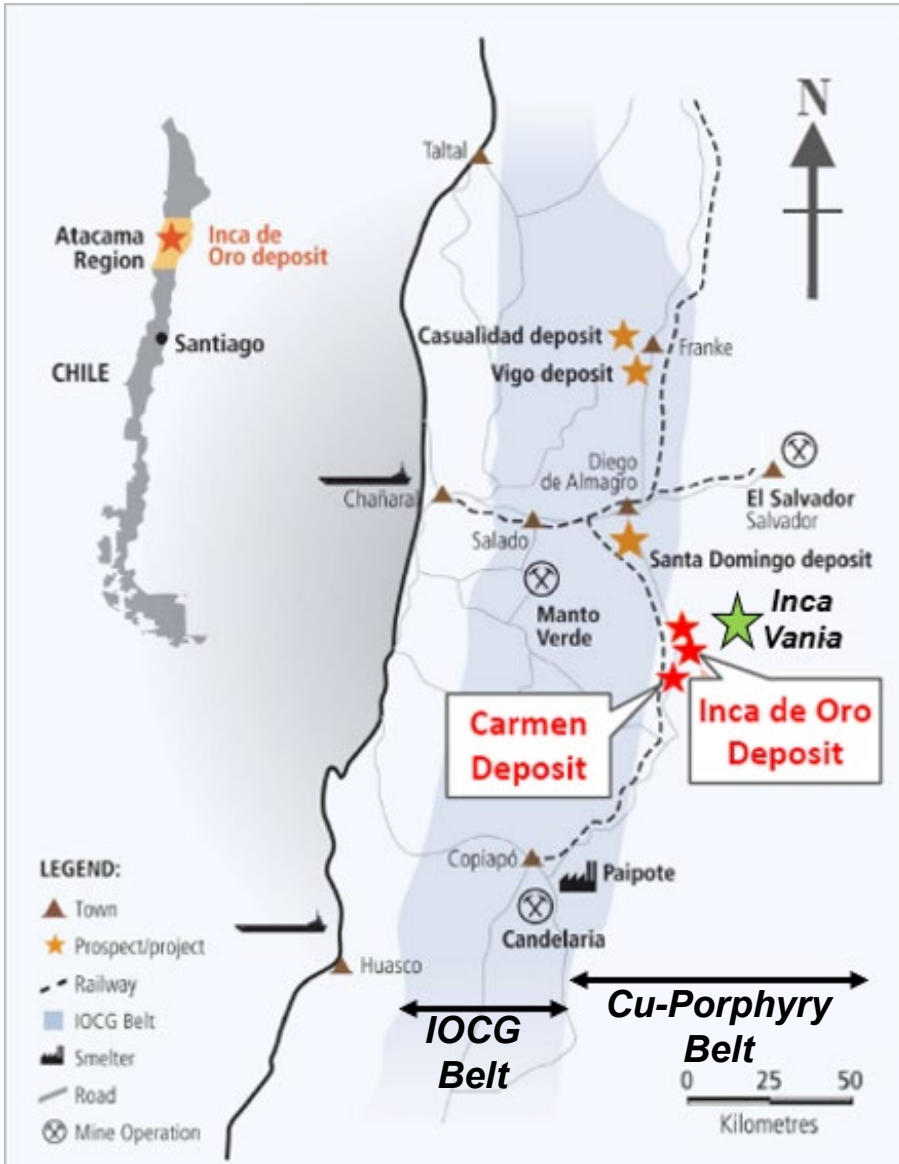


Project logistics/exploration continues at a fast pace:

- ✓ Strong relationship with local communities continues
- ✓ Trailer camp operational, low altitude, 2100m ASL, 40 minutes to center of project
- Complete access road to highest elevation of Sobek Central to reach the VN-Zone
- Rehabilitate road into Sobek North to access El Potro prospect
- Resume maiden drill campaign at Sobek Central
- Initiate drill program at Sobek North Q1/24

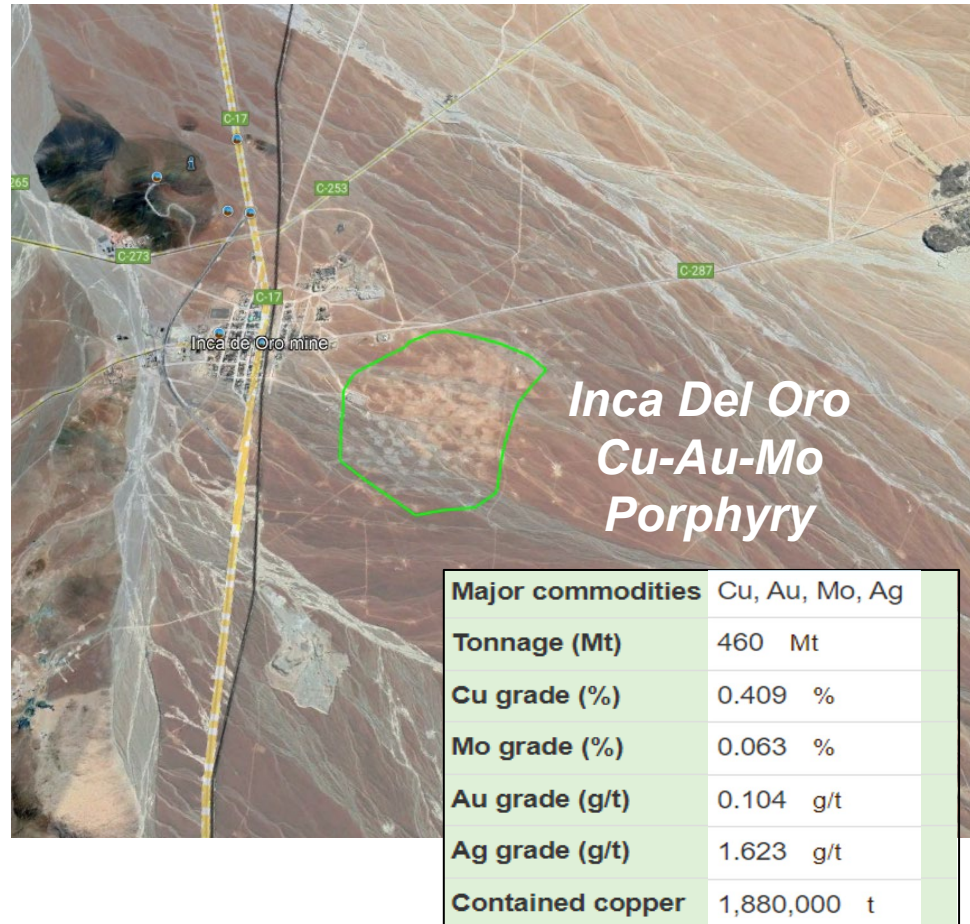
→ **Drilling to Resume Oct 2023**

Inca – Vania Prospect - Copper-Gold - Chile



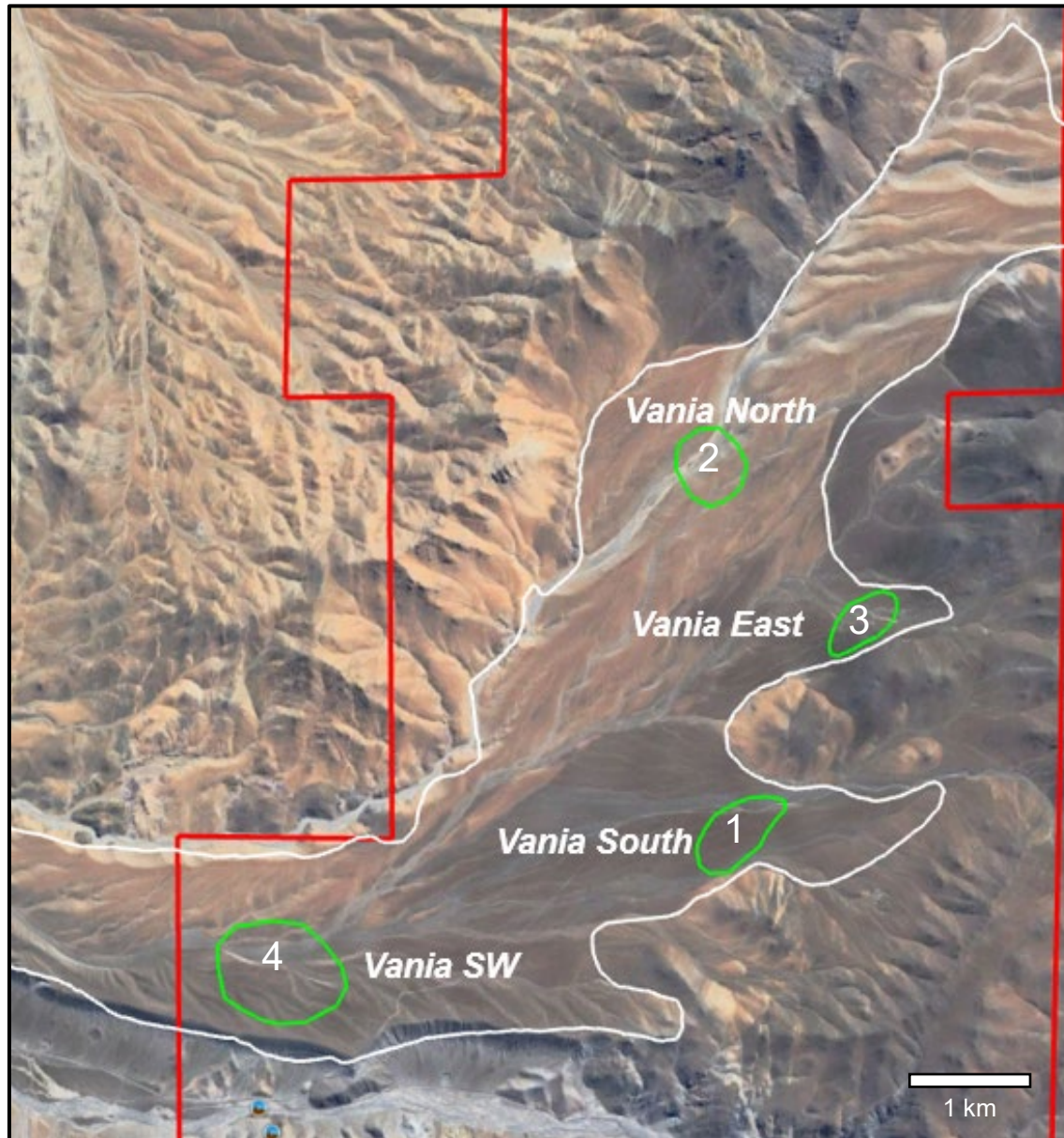
20 km's from Inca Del Oro to the Vania South prospect.

Inca Del Oro – Vania Topography/Landscape



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Vania – Concealed Targets - Alluvial/Colluvial Cover

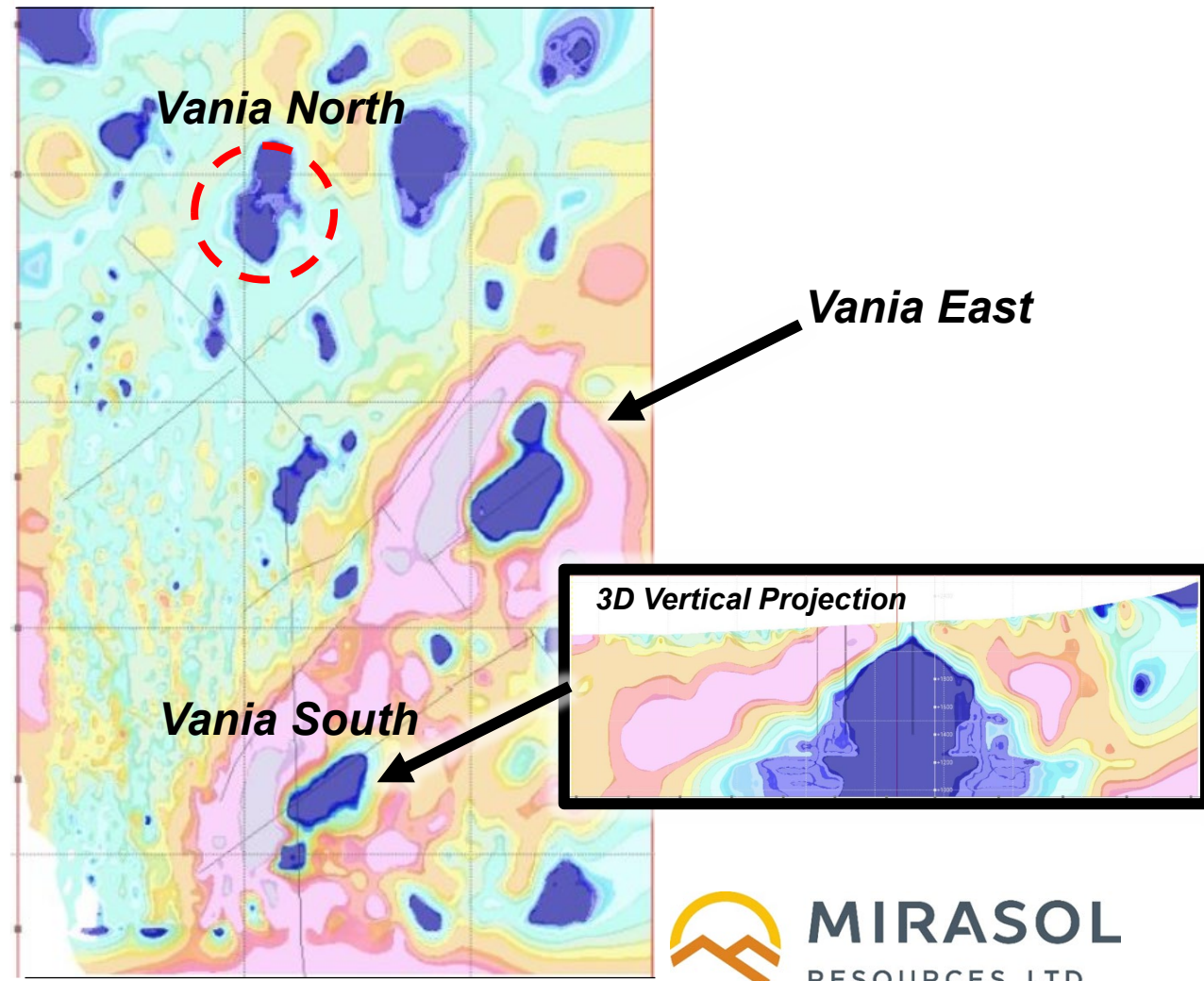
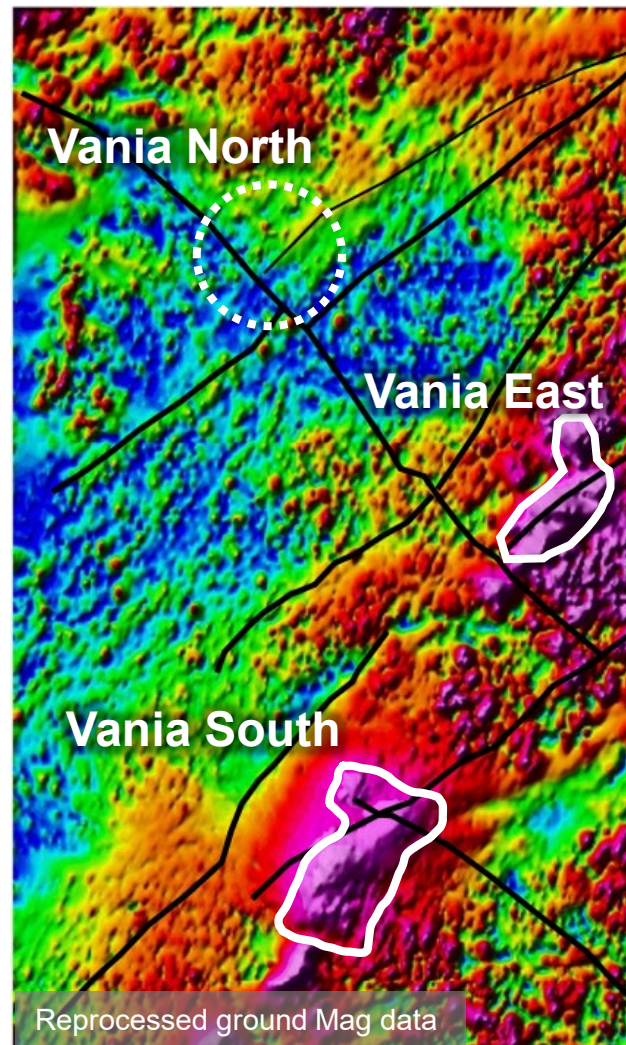
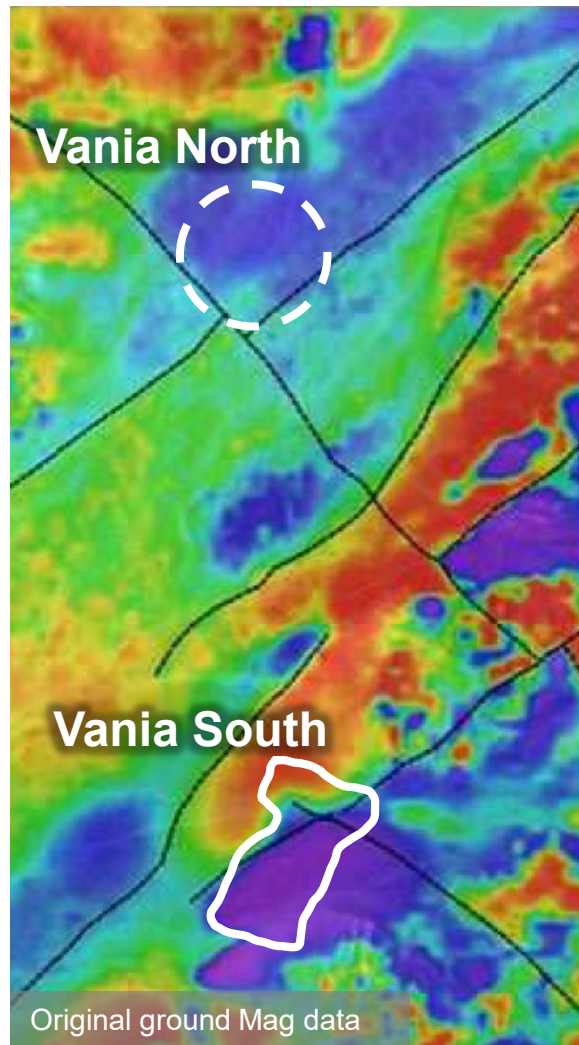


- Paleocene belt of northern Chile
- Large 16,300 ha property
- Earn-in option agreement with Newmont
- Porphyry Copper/IOCG/HSE Gold potential
- Lower elevation (2,000-3,000m ASL)
- Year-round access, mature close-by infrastructure
- Well-endowed, 'world-class' copper district

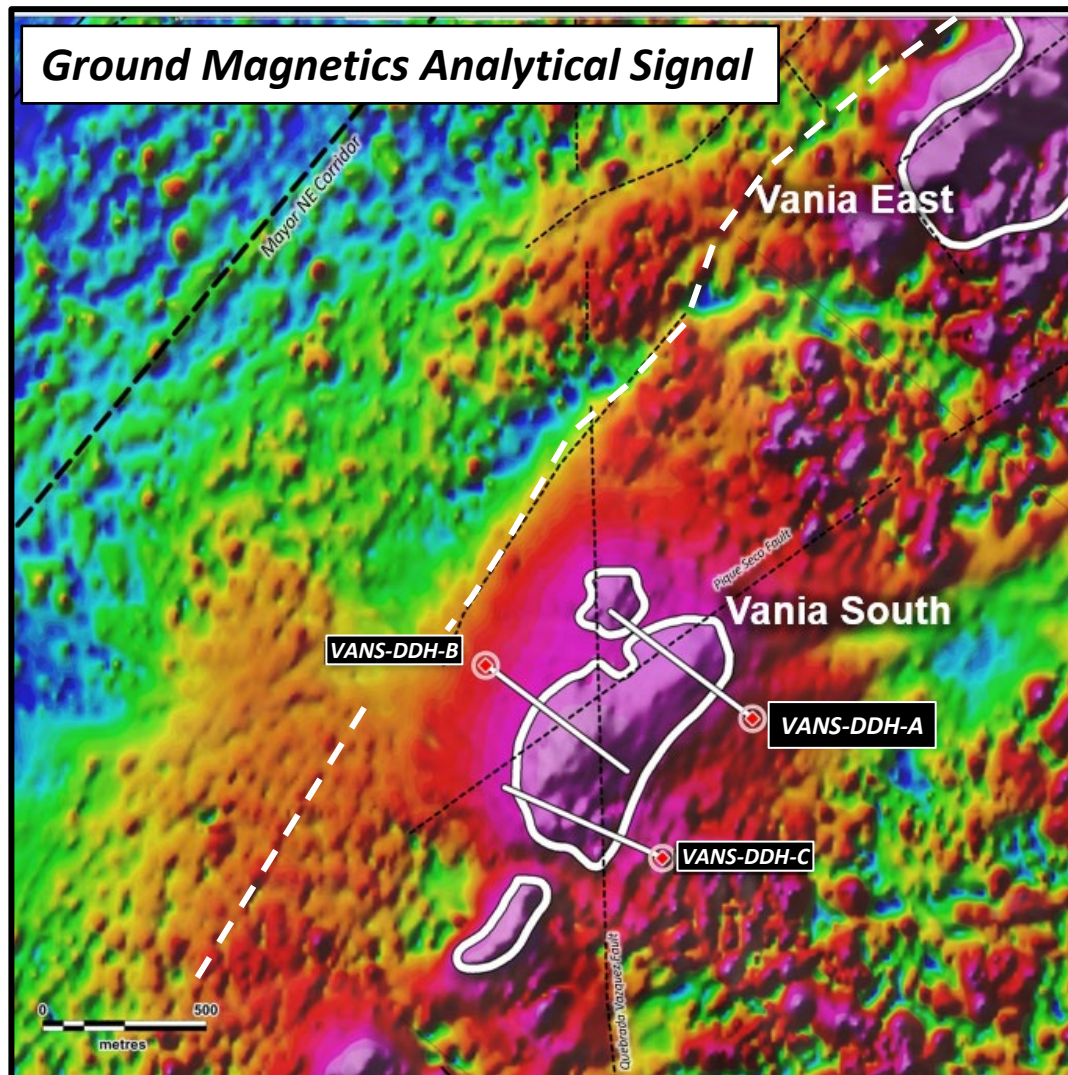


Vania South - Drill Ready

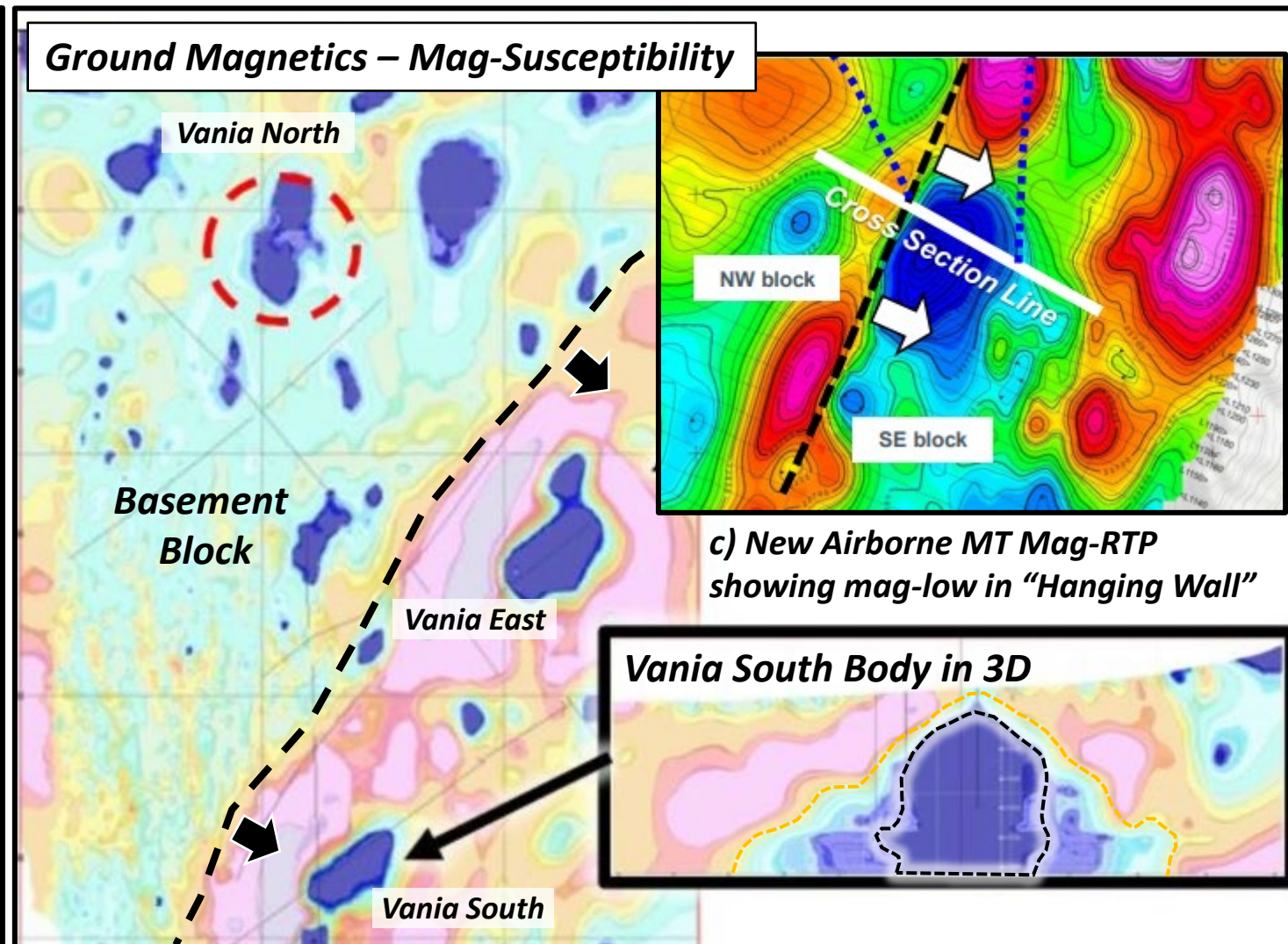
Reprocessed Magnetic Data Identifies New Magnetic Prospects



Vania South - Ground Mag Outline Copper Porphyry Target



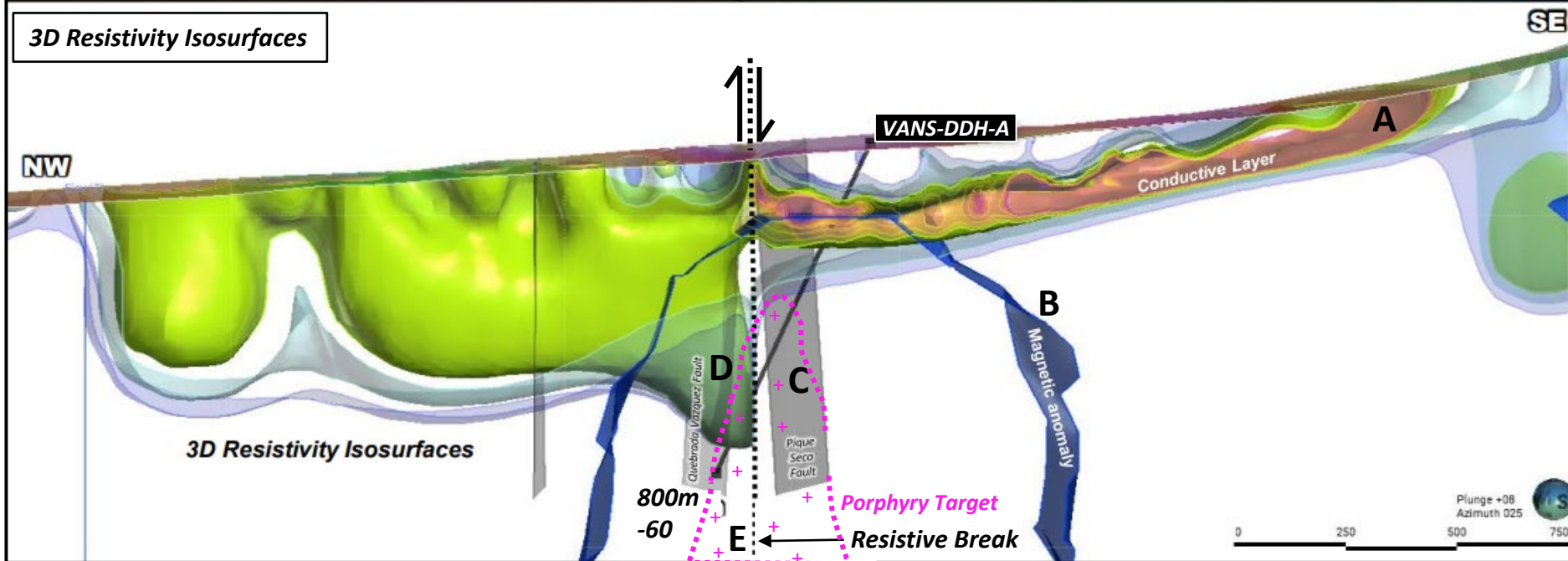
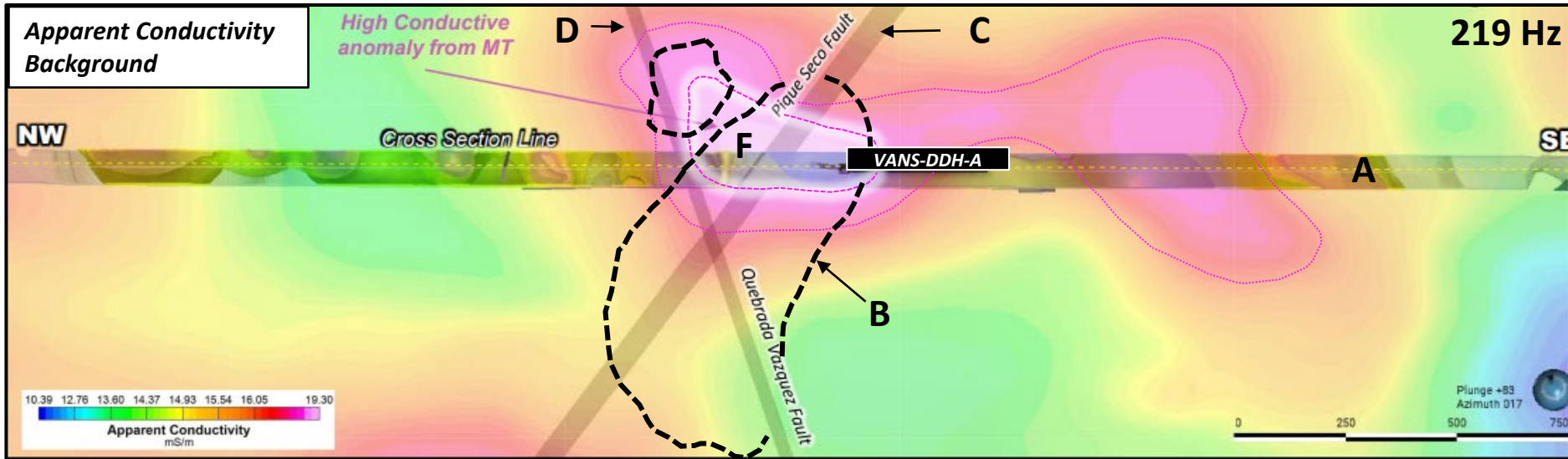
a) Ground Mag Analytical Signal shows mag high with possible drill hole locations, with "VANS-DDH-A" as the maiden hole.



b) Mag-susceptibility processing showing mag-low targets and 3D Model. Susceptibility from 2100m meter depth slice, extracted from a 3D Magnetic model.

c) New Airborne MT Mag-RTP showing mag-low in "Hanging Wall"

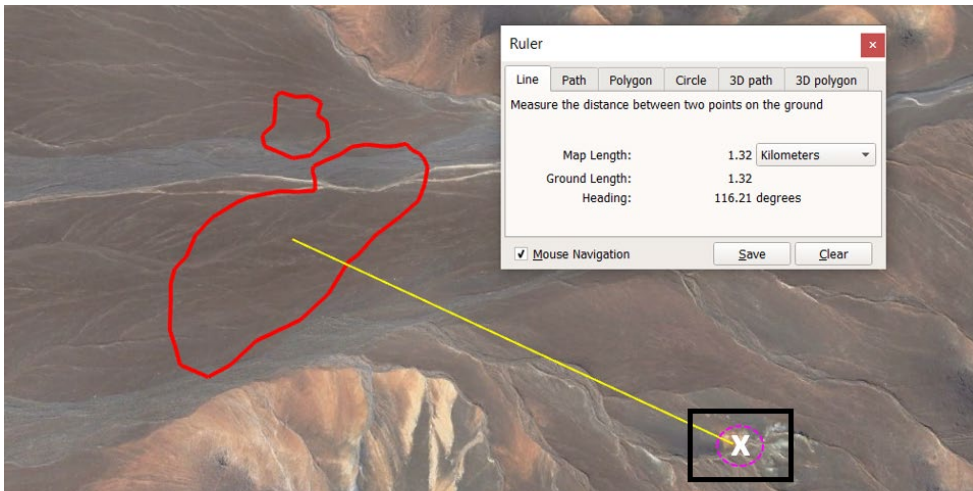
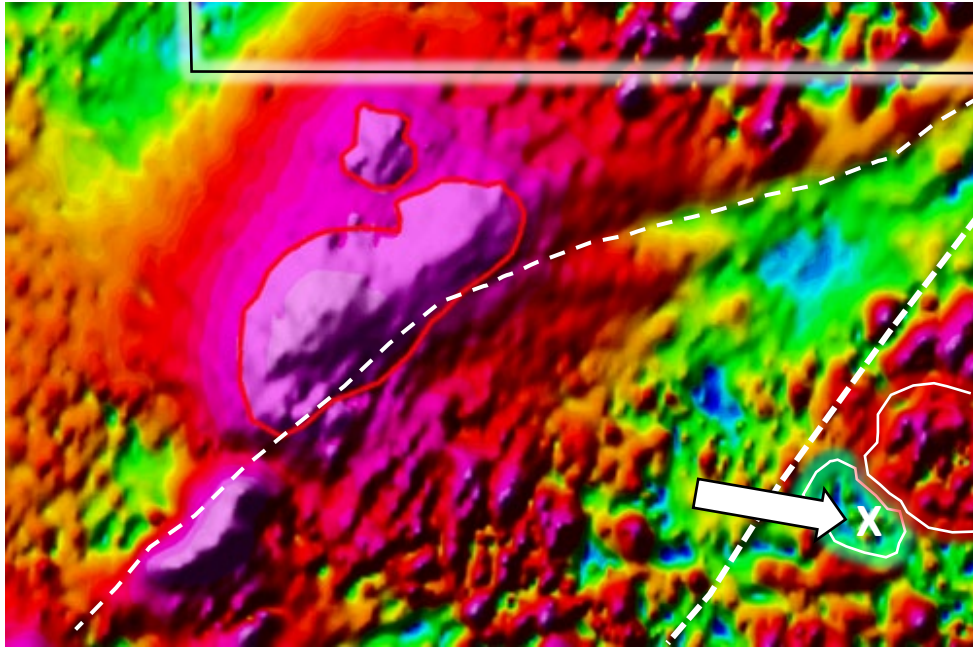
Vania South - Drilling Geophysical Targets and Structures



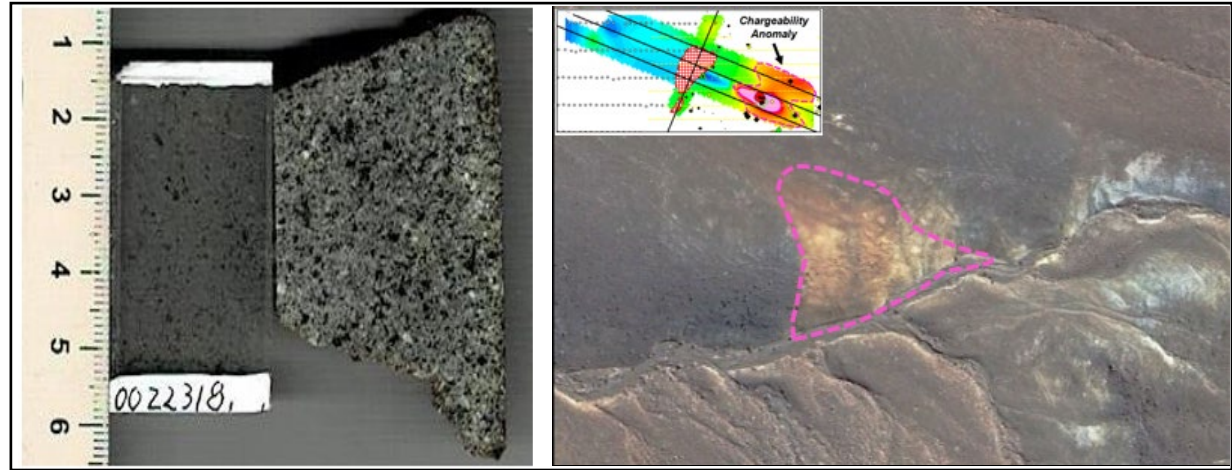
Drilling Multiple Targets:

- A - Conductive layer, possible lithocap
- B - High Magnetic Body
- C - Pique Seco Fault
- D - Quebrada Vasquez Fault
- E - IP Resistivity Break
- F - MT Conductivity Anomaly

Vania South - Petrology - Quartz diorite porphyry (#22318)



Location of concealed Vania South target and the outcropping Quartz Diorite porphyry.



- Rock chip samples, 600-800 ppm Cu and Au values of 0.4 and 0.9 g/t from weathered outcrop with jarosite and goethite fractures. Goethite to 5% after cubic pyrite (?) 1-2mm.
- High-level porphyry intrusion with hornblende and some K-spar alteration with hydrothermal magnetite and chlorite-epidote suggesting hydrothermal overprint by another intrusive.
- Zircon Fertility values on the boundary of the porphyry copper fertility field.
- Outcrop within a restricted, elongate chargeability anomaly, disseminated and veined pyrite +/- magnetite.
- High-level quartz diorite porphyry with weak K-spar alteration and magnetite and oxidised (pyrite?) mineralisation and encouraging zircon fertility values is positive.

Inca - 2022/23 Exploration & Drill Campaign



Exploration completed to date:

- ✓ *IP geophysical surveys complete. (S-N)*
- ✓ *Expanded Soil (DSG) coverage and rock chip sampling complete*
- ✓ *Positive Petrology from local intrusives*
- ✓ *New IP on Vania East Complete*
- ✓ *Mobile-MT survey recently completed*

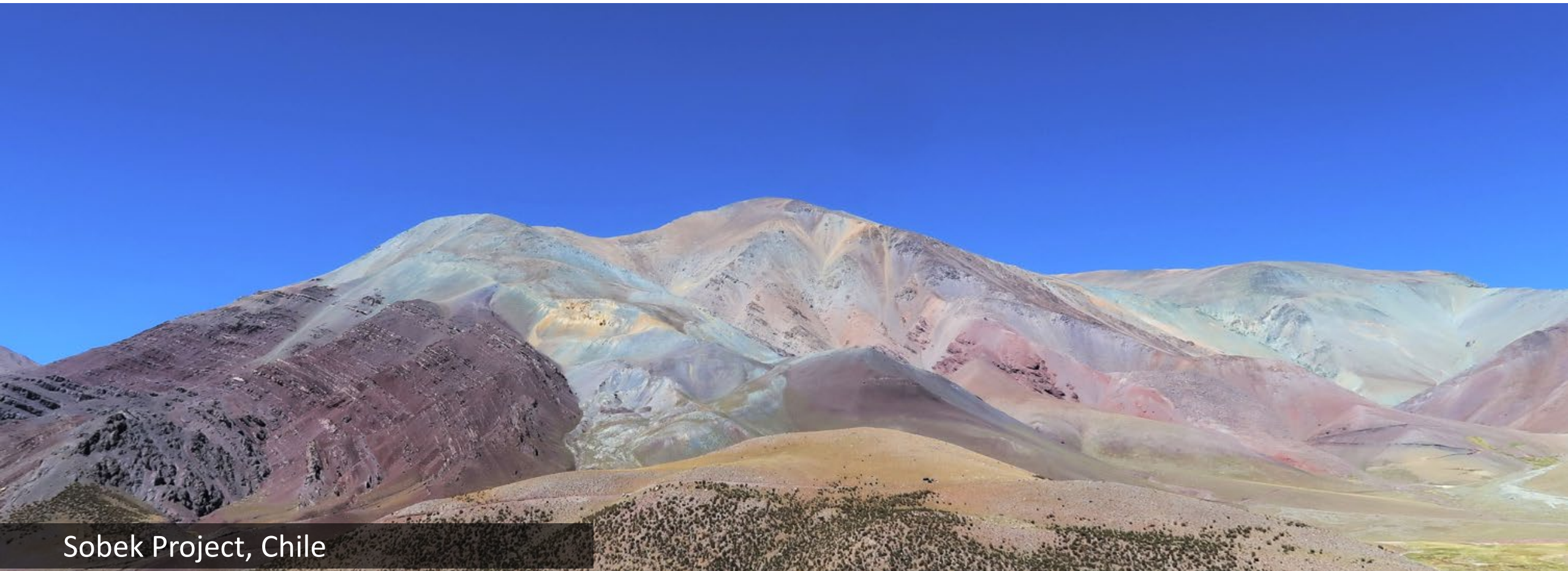
→ **Drilling underway Sept 2023**

Upcoming Catalysts

- Mobile MT survey confirms Vania targets at Inca
- **Currently drilling at Inca**
- Sobek maiden drill program cut short
- **Drilling resumes at Sobek Oct 2023**
- Incorporating new drill results into the existing 2016 Resource at Virginia
- **Updated Resource for Virginia Deposit**



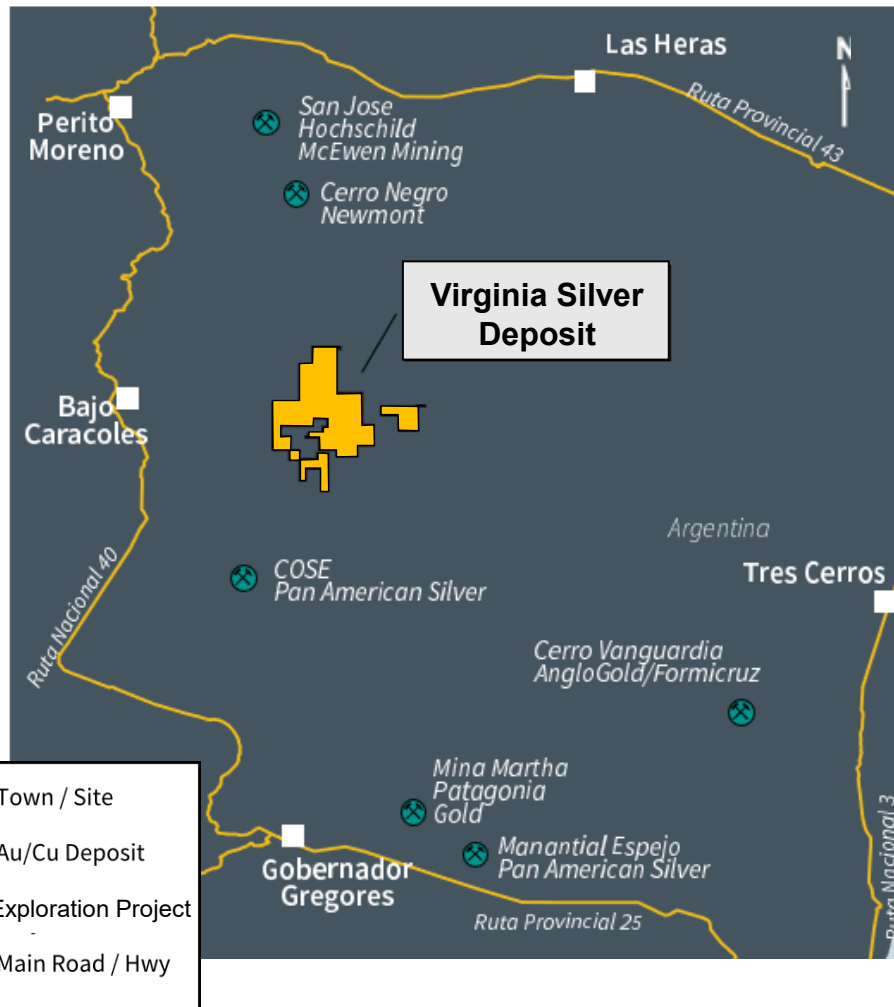
Appendix



Sobek Project, Chile

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Highlight Project - Virginia - Silver, Argentina



Project Overview

- Santa Cruz, Argentina
- 74,429 ha
- Low to Intermediate sulfidation epithermal (LSE/ISE) silver vein prospect
- 70 km south (SSE) of Newmont's Cerro Negro Mine

Exploration Activities

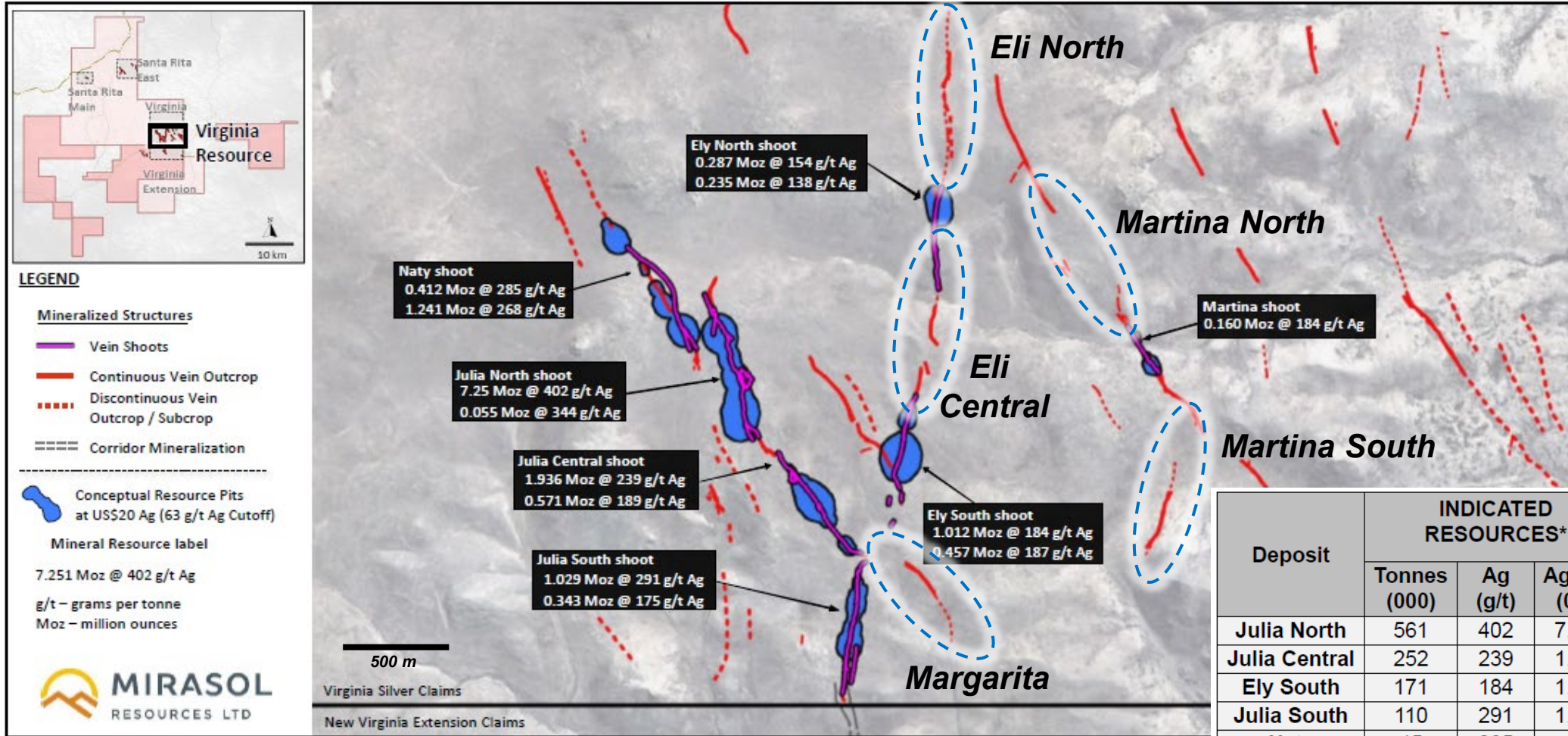
- ~10,000 m of drilling completed during the option, 3.5M US\$
- Phase I, II, III and IV drill program results confirmed strong potential for resource expansion

Resource Estimate

- NI 43-101 within conceptual pit resource^[1]
 - *Indicated*: 11.9 Million oz contained within 1.197 Mt at 310 g/t Ag
 - *Inferred*: 3.1 Million oz contained within 0.460 Mt at 207 g/t Ag

[1] The Qualified Persons responsible for this amended Technical Report were commissioned by Mirasol Resources Ltd. to review all geologic, geochemical, geophysical, surface trenching, diamond drill core sampling and metallurgical recovery data pertaining to the Virginia Project for the purpose of completing a Mineral Resource estimate in accordance with the guidelines of the Canadian Institute of Mining and Metallurgy (CIMM). For calculating conceptual pits, a silver price of US\$20 per ounce was used. Sensitivity analyses by the Qualified Persons indicate that the Mineral Resources are not particularly sensitive to operating costs or silver price fluctuations. Mineral Resources which are not Mineral Reserves do not have demonstrated economic viability.
Refer to Amended NI 43 -101 technical report filed February 29, 2016

Virginia Deposit – Conceptual 2016 Resource Pits



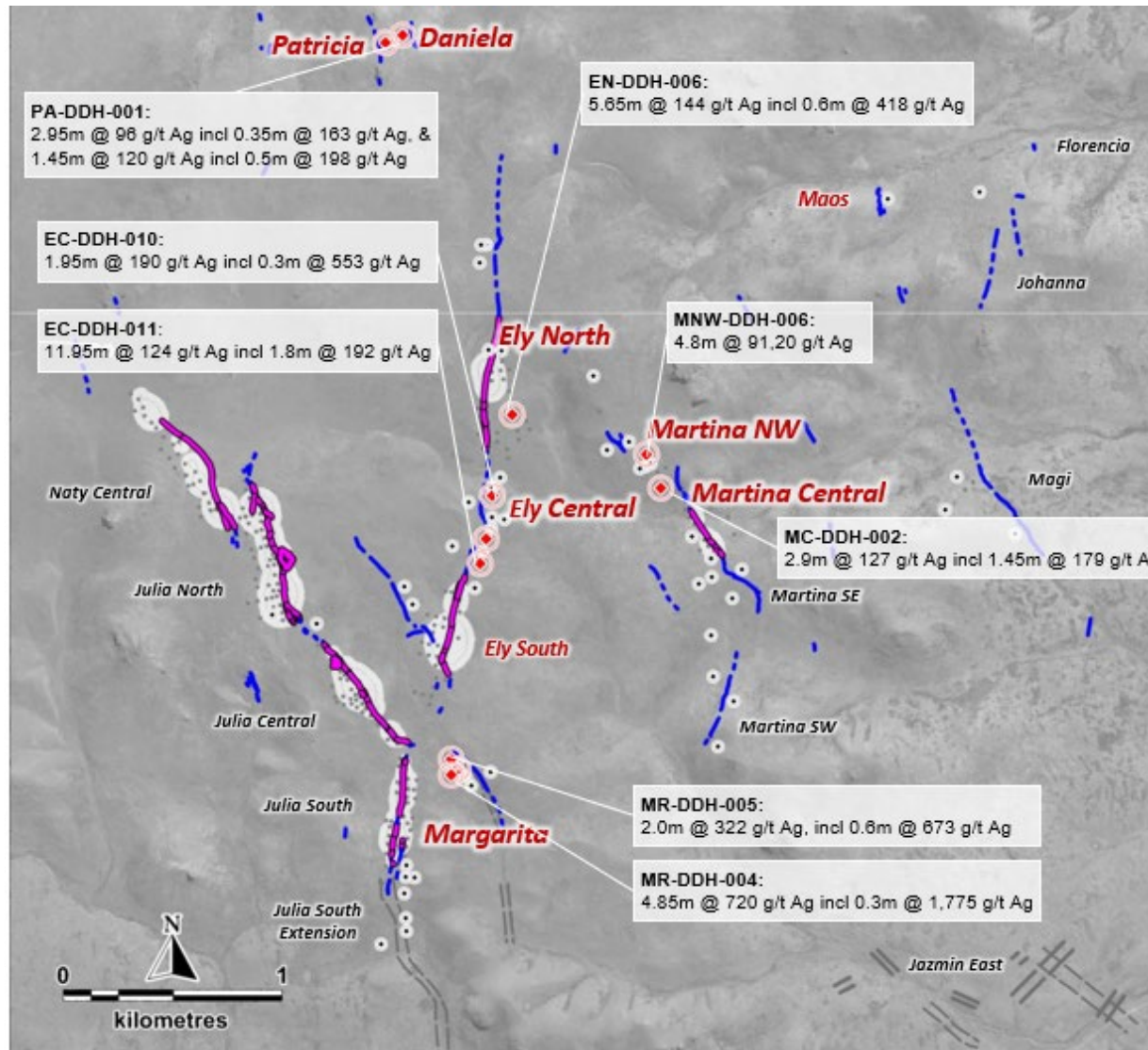
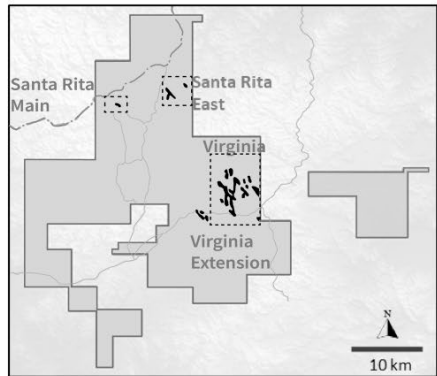
Deposit	INDICATED RESOURCES*			INFERRED RESOURCES		
	Tonnes (000)	Ag (g/t)	Ag oz s (000)	Tonnes (000)	Ag (g/t)	Ag oz s (000)
Julia North	561	402	7,251	5	344	55
Julia Central	252	239	1,936	94	189	571
Ely South	171	184	1,012	76	187	457
Julia South	110	291	1,029	61	175	343
Naty	45	285	412	144	268	1,241
Ely North	58	154	287	53	138	235
Martina	0	0	0	27	184	160
Total	1,197	310	11,927	460	207	3,062

11,927,000

3,062,000

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Highlight Project - Virginia Deposit – Exploration



10,000 m of new drilling completed under option agreement

- ### Highlights from Virginia Main
- Confirmed the potential for new well-mineralized structures to expand outside of the current NI 43-101 resource area
 - Encountered significant intercepts at the gaps and extensions of the principal veins (**Ely Central, Ely North, Martina NW, Julia South**)
 - Discovery of new high-grade mineralization at the **Margarita**

LEGEND

- Phase IV Planned Drill Holes
- Phase I to III Drill Holes
- Previous Mirasol Drill Holes (2010-2012)

Mineralized Structures

- Vein Shoots
- Continuous Vein Outcrop
- Discontinuous Vein Outcrop / Subcrop
- Corridor of Mineralization

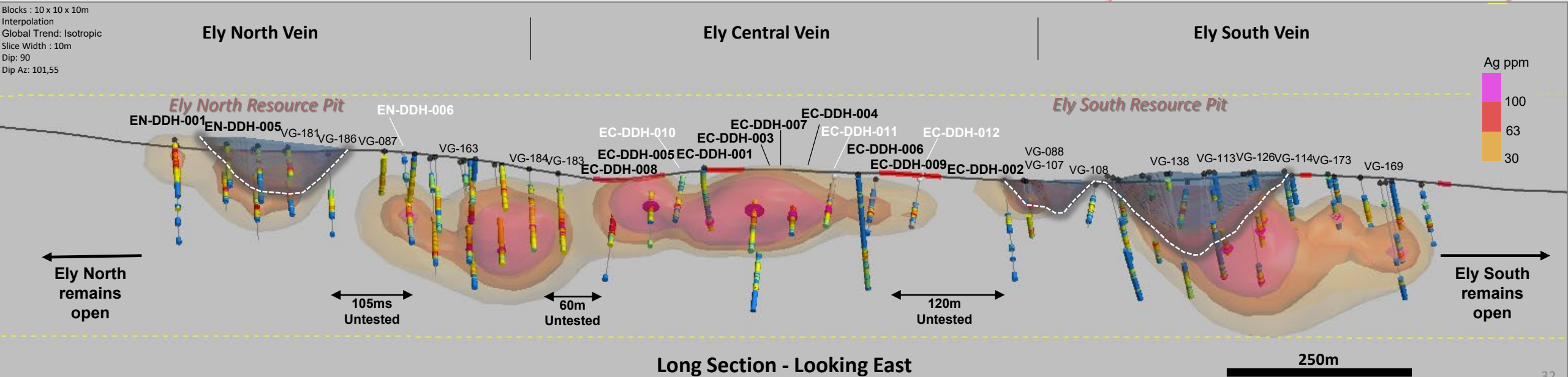
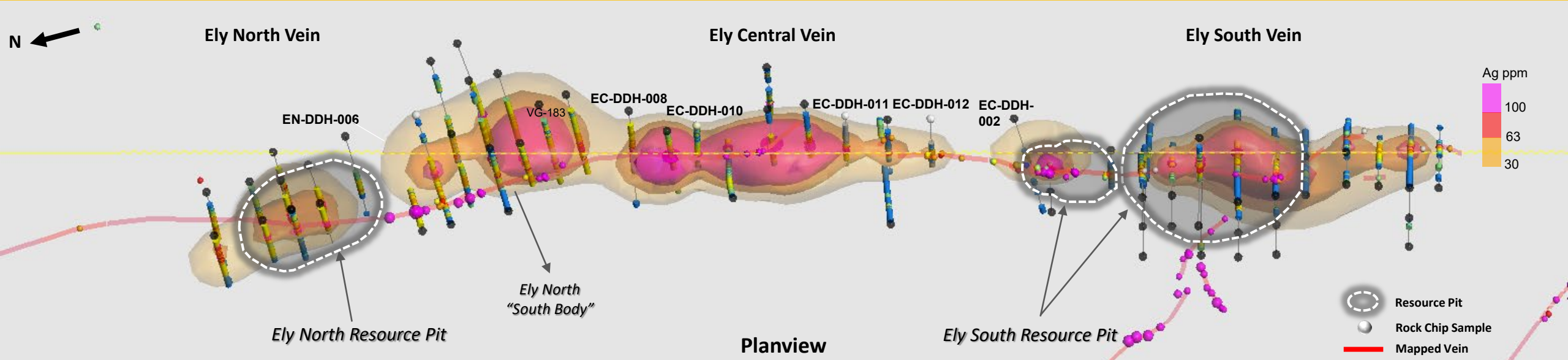
Conceptual Resource Pits at US\$20 Ag (63 g/t Ag Cutoff)

Refer to Amended NI 43-101 Technical Report filed February 29, 2016

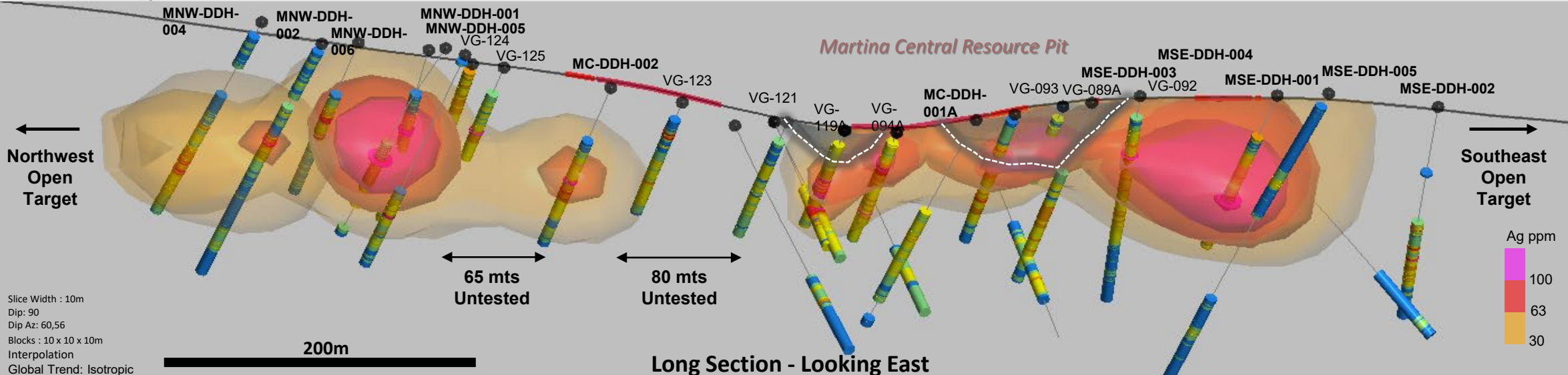
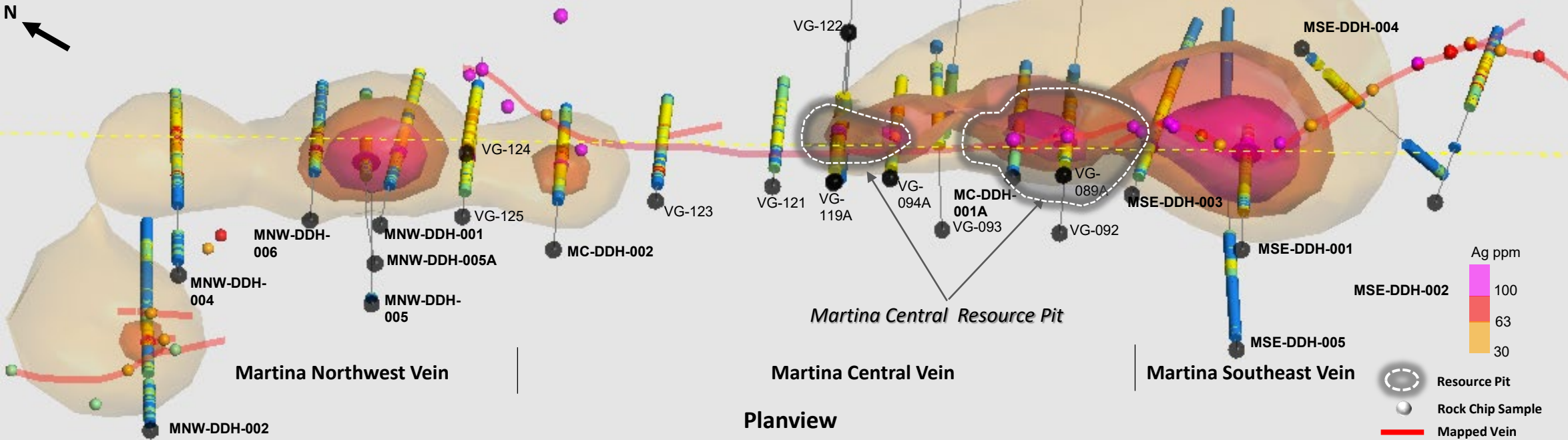
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Ely North and Ely Central Vein Trends Long Section with Interpreted Composite Grade Shells (Ag cut-off grade 63 g/t)

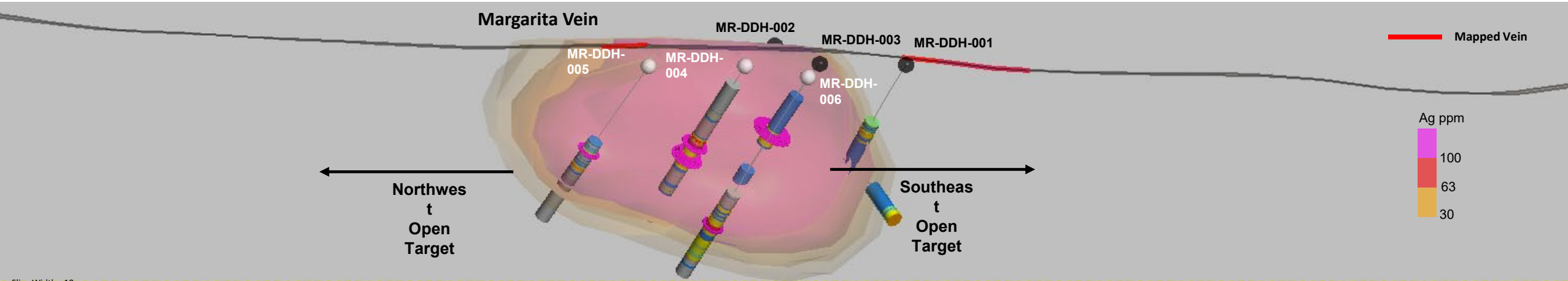
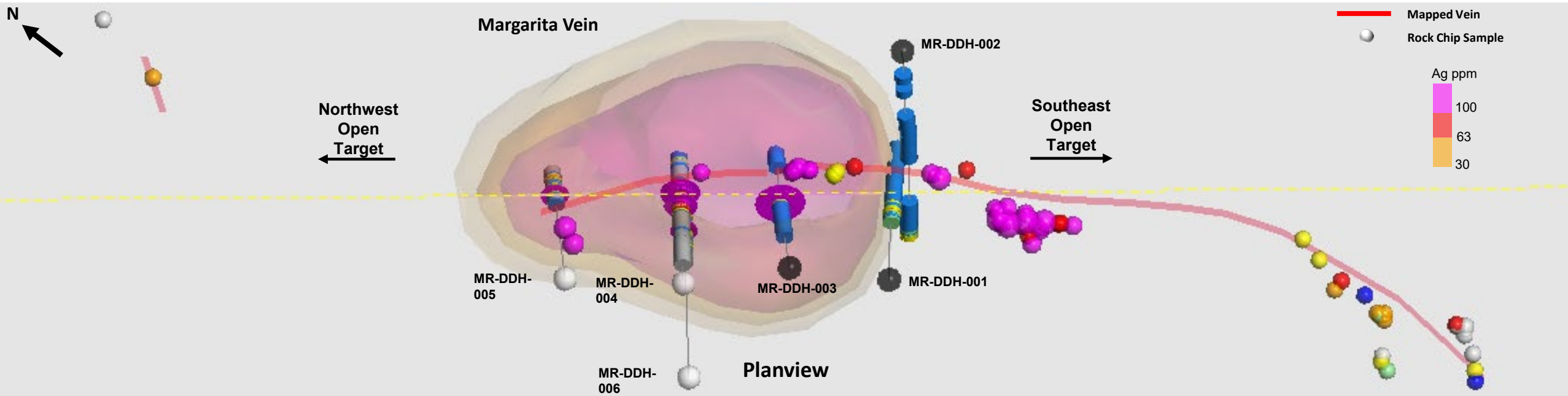


Martina Vein Trend Long Section with Interpreted Composite Grade Shells (Ag cut-off grade 63 g/t)



Slice Width : 10m
 Dip: 90
 Dip Az: 60,56
 Blocks : 10 x 10 x 10m
 Interpolation
 Global Trend: Isotropic

Margarita Vein Trend Long Section with Interpreted Composite Grade Shells (Ag cut-off grade 63 g/t)



Slice Width : 10m
 Dip: 90
 Dip Az: 51,5
 Blocks : 10 x 10 x 10m
 Interpolation
 Global Trend: Isotropic

100m

Board of Directors



Patrick Evans

Executive Chair

- 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

- 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



Sobek Project, Chile

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For Further Information:

Tim Heenan, President
Troy Shultz, VP Investor Relations

Tel: (604) 602 9989

Email: troy.shultz@mirasolresources.com

Website: mirasolresources.com

