



Sobek Project, Chile



**MIRASOL**

RESOURCES LTD

# FOCUSED ON DISCOVERY

TSX-V: MRZ  
OTCPK: MRZLF

**CORPORATE  
PRESENTATION**  
APRIL 2022

# 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.

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

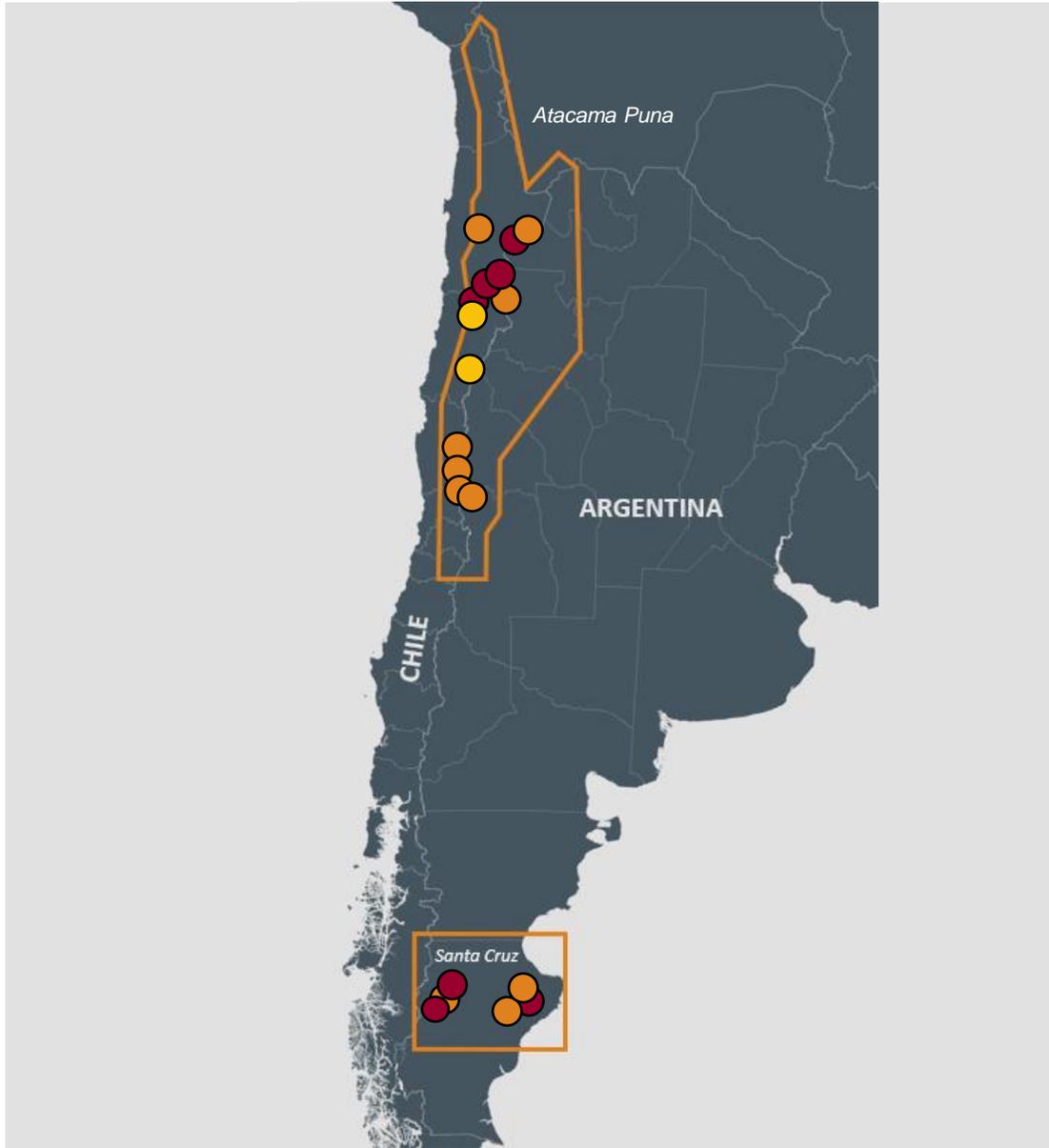
Tim Heenan (MAIG), President for Mirasol has reviewed and approved the technical content of this presentation and is a Qualified Person under NI 43 -101.

# Company Overview



- Leading exploration company
- Exploration partnerships and self-funded drilling
- Focused in Chile and Argentina
- Quality Gold, Silver and Copper exploration targets
- Proven track record of successful project generation and partnering
- Aggressive exploration plans

# Project Portfolio Overview



Two Mirasol-funded projects

Seven partner-funded projects

Strong pipeline of early and mid-stage projects

## Exploration Partners



# 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 than 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 experience in Central and South America
- Involved in several high-profile projects including the famous Cerro Negro Mining District in Argentina



**Jonathan Rosset**

*VP Corporate Development*

- Chartered Financial Analyst
- Over 8 years of experience in mineral and royalty companies



**Carmen Cazares**

*Chief Financial Officer*

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

# Share Structure and Treasury

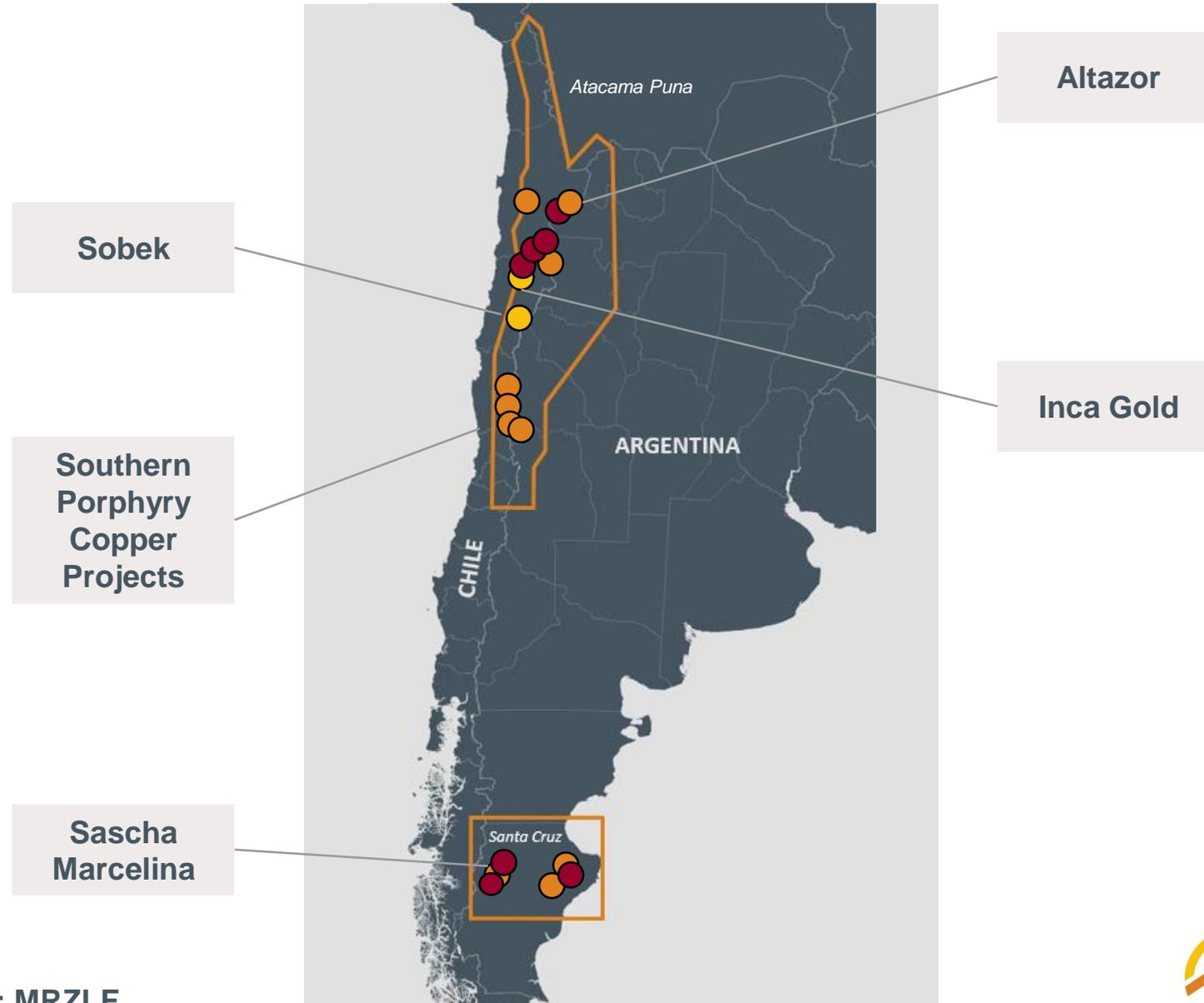
<b>Conservative Share Structure</b>	<b>Shares Outstanding</b>	<b>Shares Fully Diluted</b>	<b>Market Capitalization</b>
	54M	58M	~C\$45M
<b>Well Funded</b>	<b>Cash</b>	<b>Shares</b>	
	~C\$8.5M	~C\$0.8M 6.55M shares of Silver Sands Resources (CSE:SAND) at \$0.12	
<b>➤ Insiders Holding: 32%</b>			

*Cash position as at December 31, 2021*

# Project Portfolio – Planned Activities Summary

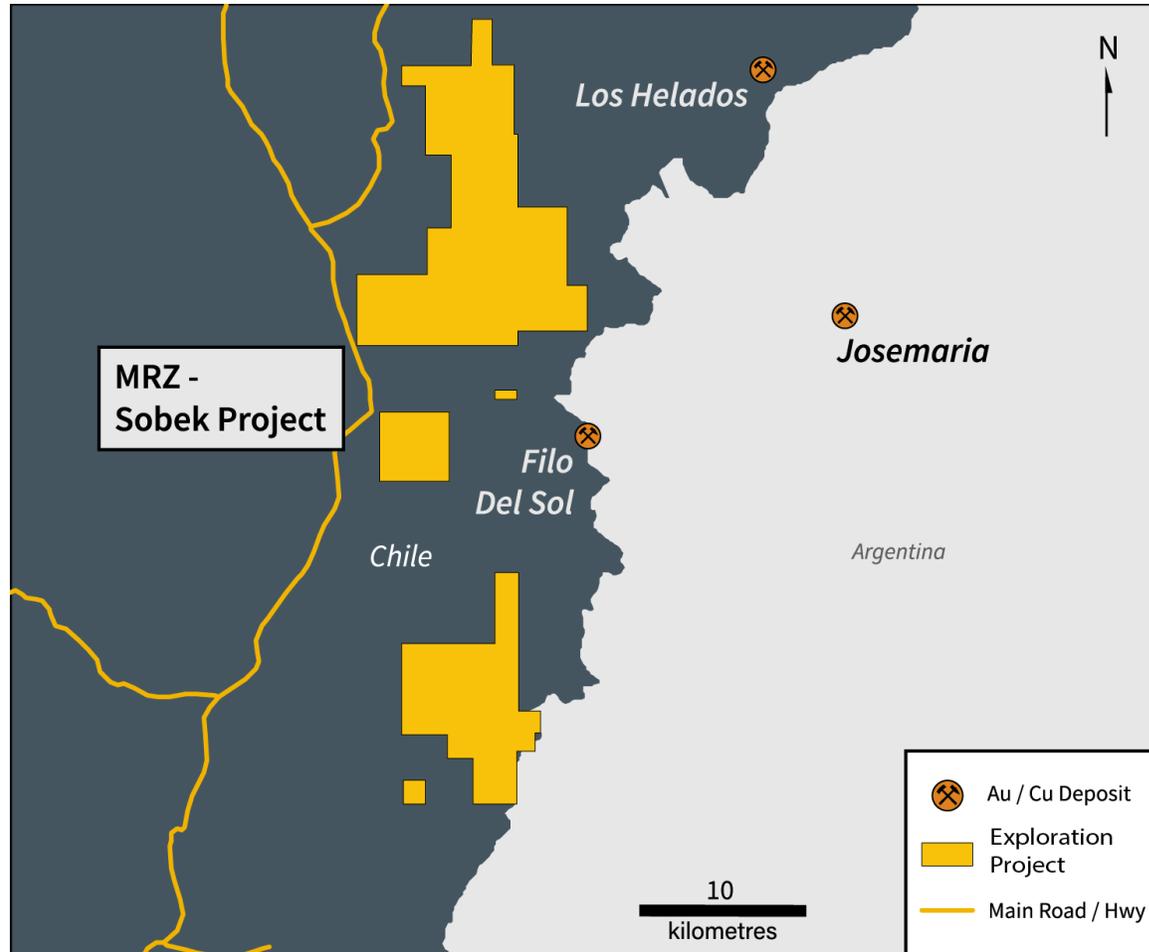
Sobek	Detailed reconnaissance program completed in late Q1 2022
Sascha Marcelina	Search initiated for a new exploration partnership
Inca Gold	IP geophysical program on Vania prospect
Altazor	2,000m drill program expected (partner or self-funded)
Libanesa	2,000m drill program initiated
Coronación	3,000m drilling commitment
Virginia	1,500m drill program initiated
Gorbea	Surface review of 4 untested prospects in the Gorbea package
Nord	Additional surveys under review for defining new drill targets
Rubi	Deep-sensing IP and MT geophysical program
Homenaje	Drill targeting program

# Mirasol-Funded Activities



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# Flagship Project – Sobek, Chile



## Project Overview

- Mio-Pliocene age mineral belt, northern Chile
- 11,120 ha (up from 8,571 ha)
- Porphyry Copper / HSE Gold Project
- 7 km west of Filo del Sol and 10 km west of Josemaria

## Ownership

- 100% owned
- Surface access agreements secured

## Exploration

- Aeromagnetic survey completed
- Maiden reconnaissance and detailed follow up surface exploration program completed – result pending

## Geology

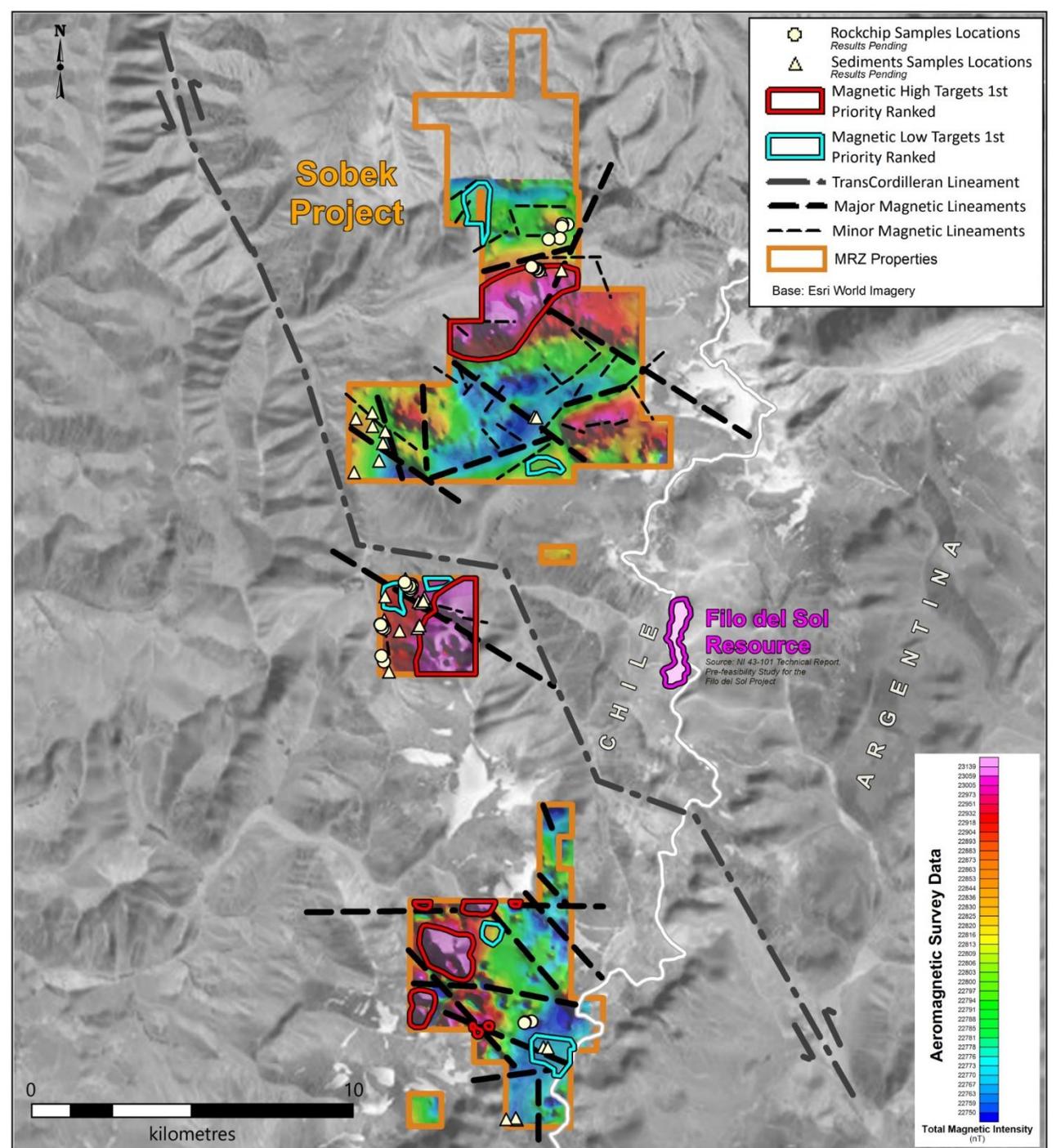
- Located in one of the world's most endowed regions for giant magmatic-hydrothermal ore deposits
- Staked based on prospective local structural architecture
- Nearby fast-developing mineralized district including Filo Del Sol and Josemaria

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# Sobek – Exploration Program

- High resolution 2,690 line-km helicopter-supported aeromagnetic survey completed by High-Sense Geophysics Limited in Chile
- Improved understanding of the structural architecture
- Defined multiple highly prospective geophysical magnetic targets
- Provided a strong base for maiden field program

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# Sobek Central – Exploration Program

## Maiden reconnaissance campaign confirmed presence of:

- Significant and widespread areas of strong argillic alteration
- Volcanic complex hosting rhyodacitic and andesite volcanics flanked to the west by igneous intrusive rocks of dioritic composition
- Intrusive rocks locally host disseminated magnetite and tourmaline, and also localized zones of strong “crackle brecciation” with gypsum matrix infill and siderite veinlets

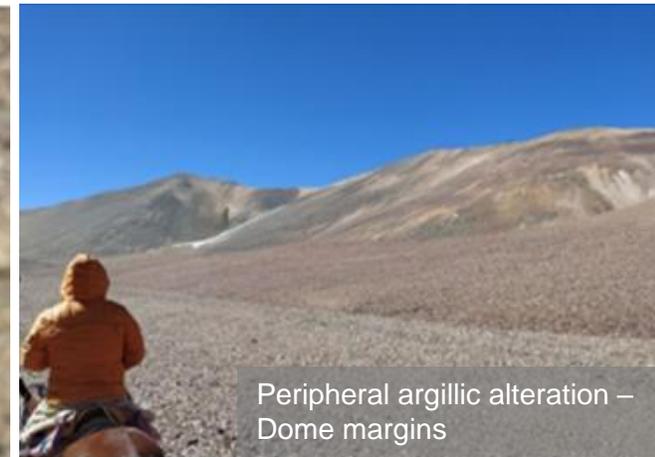


# Sobek South – Exploration Program

- Large hypabyssal dacitic dome complex identified
- Autobrecciation textures and low temperature silicification and argillized alteration halos on the dome margin
- Peripheral areas of the dome are considered highly prospective and are being reviewed in the field

- Maiden field campaign confirmed the presence of porphyry-type geology and alteration assemblages
- Detailed field review completed with additional geochemical sampling, detailed geological mapping and potentially ground geophysical surveys over priority prospects
- Results pending

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# Pipeline Projects – San Juan Porphyry Copper Projects



## Projects Overview

- San Juan Province, Argentina
- Three separate properties representing 10,741 ha
- Porphyry Copper prospects
- South of Mirasol's Osiris project (Chile)
- High profile projects nearby:
  - in the north: Altar, Pachon, Pelambres,
  - in the south: Novicio, West Wall

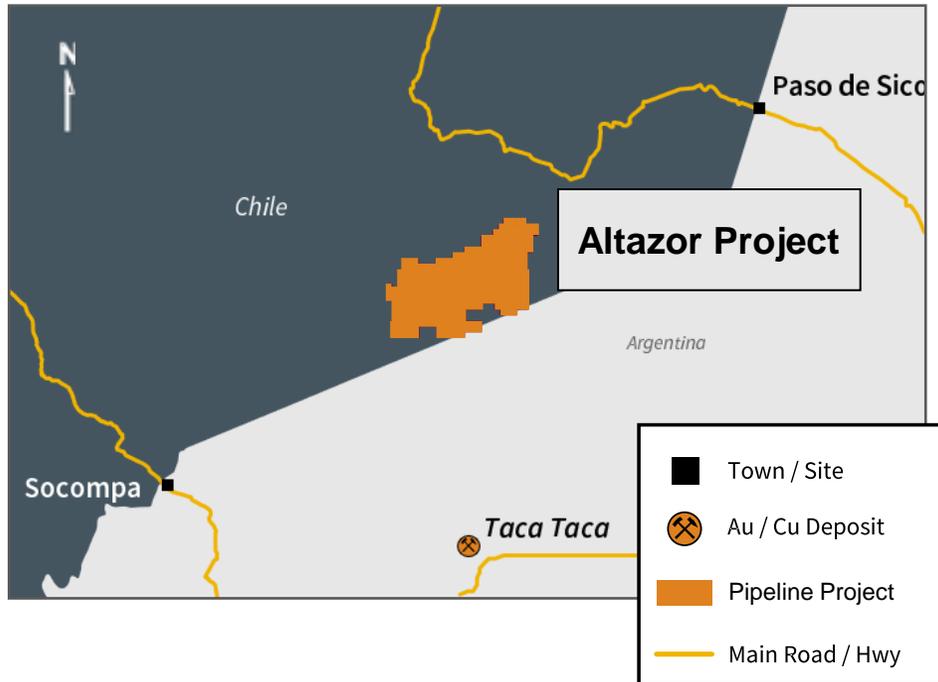
## Ownership Exploration

- 100% generated, staked and owned by Mirasol
- Initial field program completed at three pipeline projects
- Field review confirmed porphyry-style signatures
- Assay results pending

## Geology

- All three projects are underexplored
- The completed field reviews confirmed that the projects have geological characteristics in line with other copper porphyry projects in the Mio-Pliocene belt of the San Juan province.
- All the projects display large alteration footprints, good structural settings and strong indications for mineralization

# Flagship Project – Altazor Gold, Chile



## Project Overview

- Mio-Pliocene age mineral belt, northern Chile
- 33,300 ha
- High sulfidation epithermal (HSE) gold property
- 60 km via paved highway south from the village of Socaire
- US\$3M in expenditures has defined drill-ready targets

## Activities

- Working towards maiden drill program
- Community engagement continues to address concerns and achieve a mutually beneficial agreement

## Status

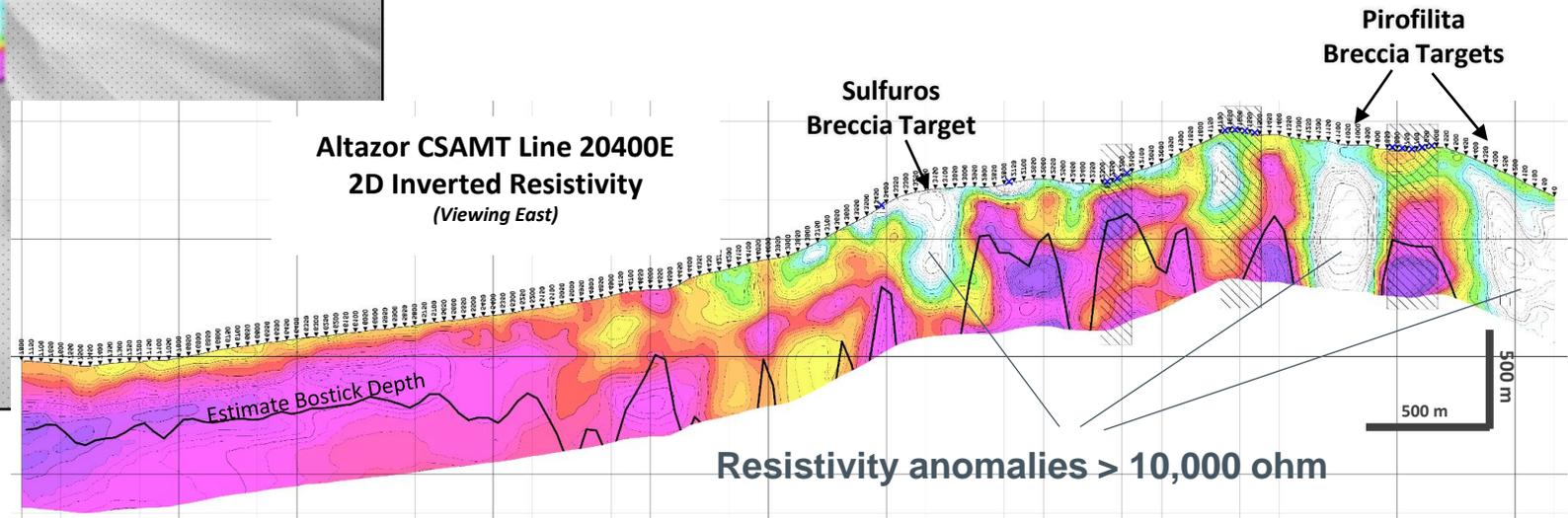
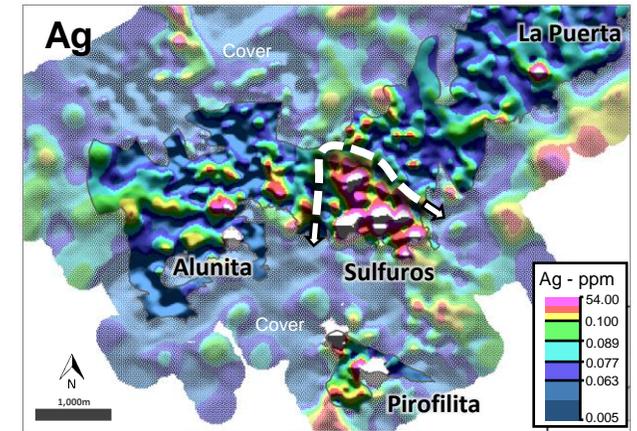
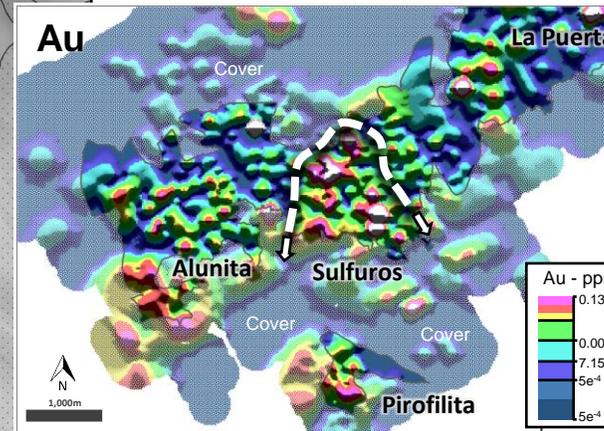
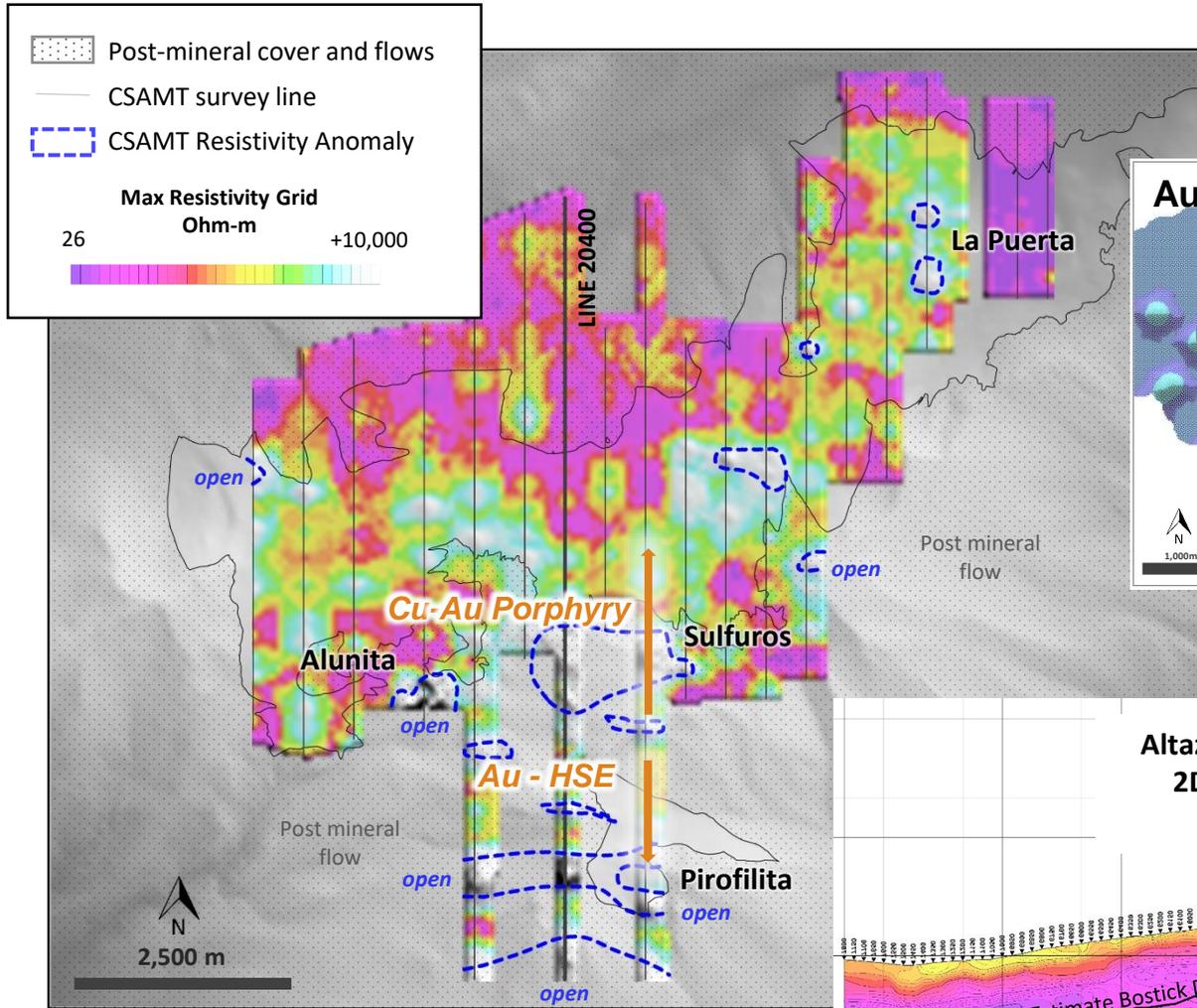
- Self-funded or potential partner-funded project
- Drilling anticipated for 2022/2023 season

## Geology

- District-scale, zoned alteration system
- Preserved at a level that could conceal HSE gold deposits beneath “barren” steam-heated cap rocks and post-mineral cover
- Geological features identified are similar to other HSE multi-million ounce discoveries in the Mio-Pliocene mineral belt

# Altazor – Exploration Targets

- 4 drill holes targeted based on a combination of geology / geochemistry / geophysics / alteration
- 2 holes to test for HSE and 2 holes for Cu-Au Porphyry potential



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# Self-Funded Project – Inca Gold, Chile



## Project Overview

- Located on the Paleocene belt of northern Chile
- 16,300 ha - Elevation of 2,000 to 3,000m ASL
- Year-round access and near infrastructure
- 100 km north of Copiapó and 17 km east of Inca del Oro community

## Ownership

- Controlled through an option agreement with Newmont Corporation
  - Minimum drilling commitment completed
  - Expenditures required met until early 2023

## Self-funded Exploration

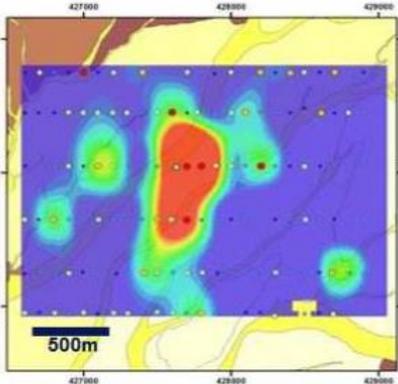
- 1,417m drill program completed on the Sandra prospect
- Follow up work to be initiated on Vania Porphyry Cu prospect

## Geology

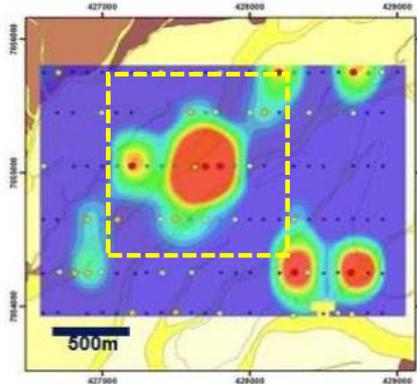
- Multiple prospects identified to date with various mineralization styles, including:
  - Intermediate Sulfidation Epithermal veins
  - Porphyry Cu-Au → current focus
  - Quartz-tourmaline breccia Cu-Au

# Inca Gold – Exploration Program

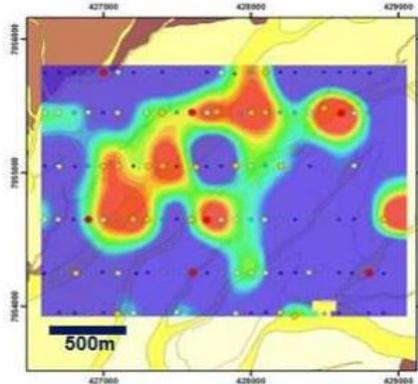
Deep Sensing Geochemistry (DSG) Score



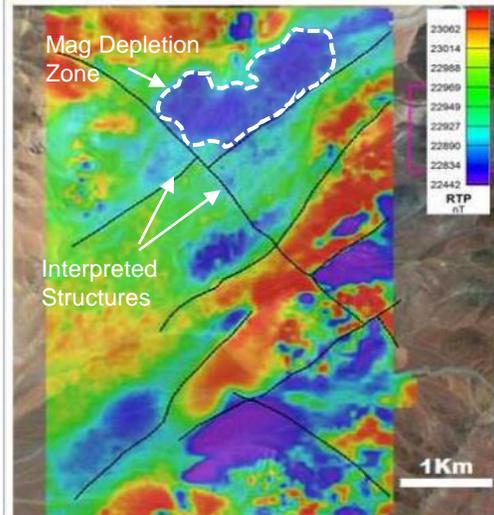
Multi-Element DSG Anomaly Coincident with Au Se-Ca-S-Au-Sr-B-Te-As



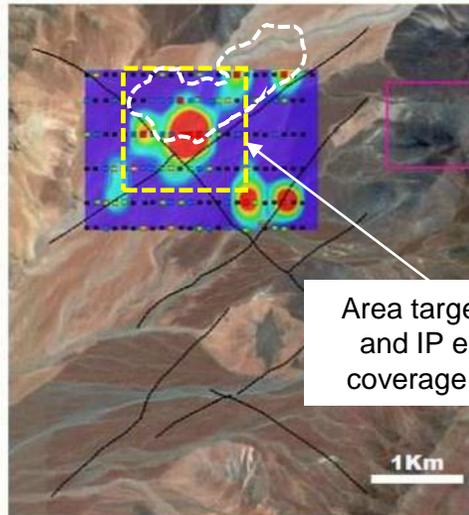
Au DSG Anomaly



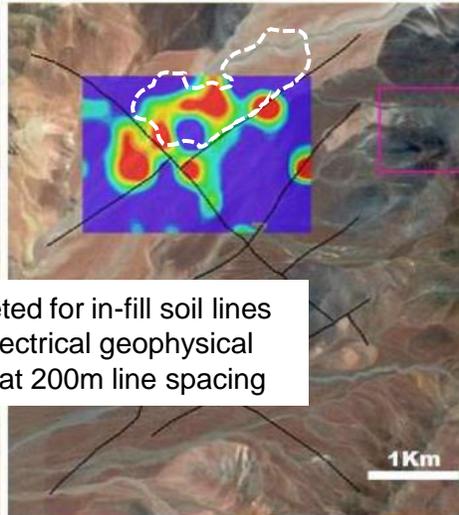
Multi-Element DSG Halo Hg-Nb-Cd-Ag-Mo-Ni-As



RTP Ground Magnetics and Structure



Au DSG Anomaly and Structure



Multi-Element DSG Anomaly and Structure

Area targeted for in-fill soil lines and IP electrical geophysical coverage at 200m line spacing

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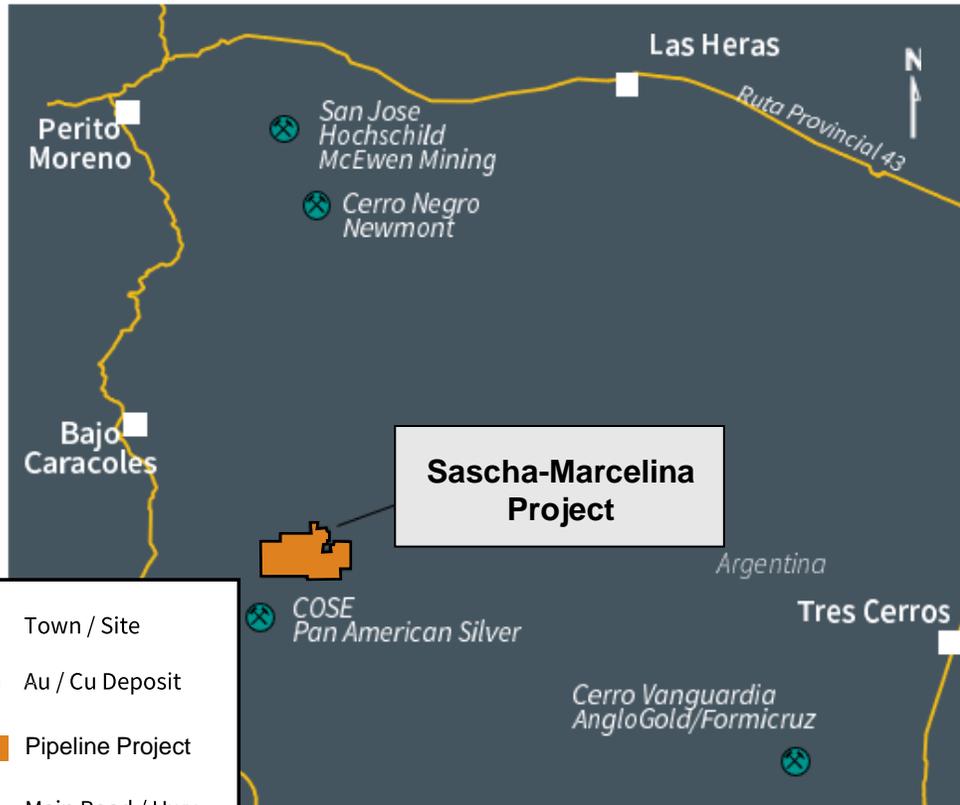
Figure Modified from: Newmont Corporation

## Vania Prospect

→ Compelling porphyry Cu-Au prospect delineated by multi-layered exploration data collected by Newmont prior to the option agreement with Mirasol

- Vania hosts a strong, central Au DSG (Deep Sensing Geochemistry) anomaly with a peripheral anomalous multi-element geochemical halo, highlighted by Newmont's proprietary in-house geochemical processing technique
- This zone is coincident with a prospective structural intersection of northwest and northeast trending lineaments, and it overlies a magnetic low feature
- Mirasol's assessment will include an expanded soil geochemical survey and a systematic IP geophysical survey over the existing Au DSG anomaly

# Sascha Marcelina, Argentina



## Project Overview

- Santa Cruz, Argentina
- Low sulfidation epithermal (LSE) gold-silver property
- 30,600 ha - Elevation of 800 ASL
- 100 km south to Newmont's Cerro Negro mine

## Ownership

- 24,900 ha owned by Mirasol, 5,700 ha under an option to purchase agreement
- Amended agreement with new payment schedule → added flexibility

## Exploration Activities

- Maiden drill program and follow-up drilling completed at Marcelina in 2021
- More drilling required to continue testing project

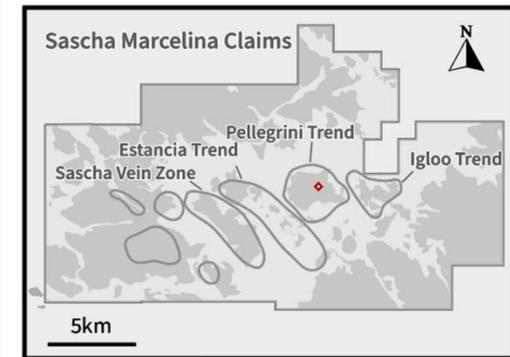
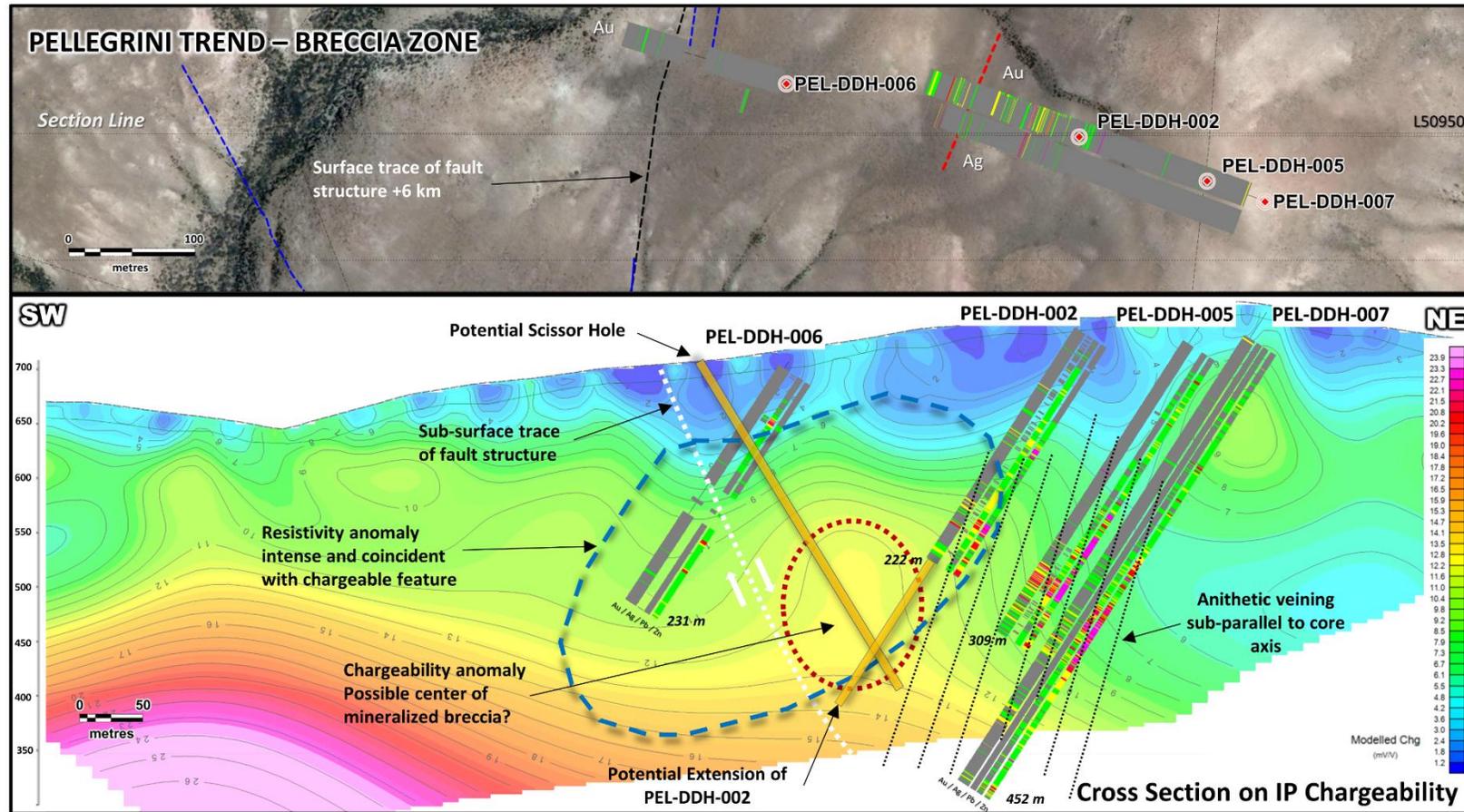
Deep hole PEL-DDH-007 drilled behind and under PEL-DDH-005 to test the depth and lateral extent of the breccia body. Returned no significant precious metal mineralization but broad Pb/Zn interval with:

- 33.9m at 1.3% Pb and 0.5% Zn from 298.6m
  - Inc. 15.85m at 2.1% Pb and 0.8% Zn from 285.15m
  - Inc. 7.2m at 4.1% Pb and 1.4% Zn from 289m

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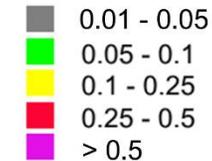
# Sascha Marcelina – Pellegrini Breccia Target



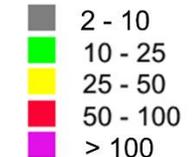
## LEGEND

### Drill Assays

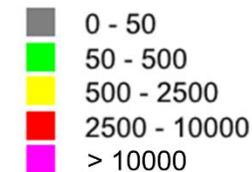
#### Au (g/t)



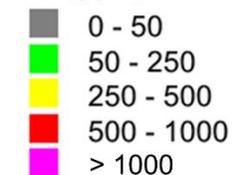
#### Ag (g/t)



#### Pb (ppm)



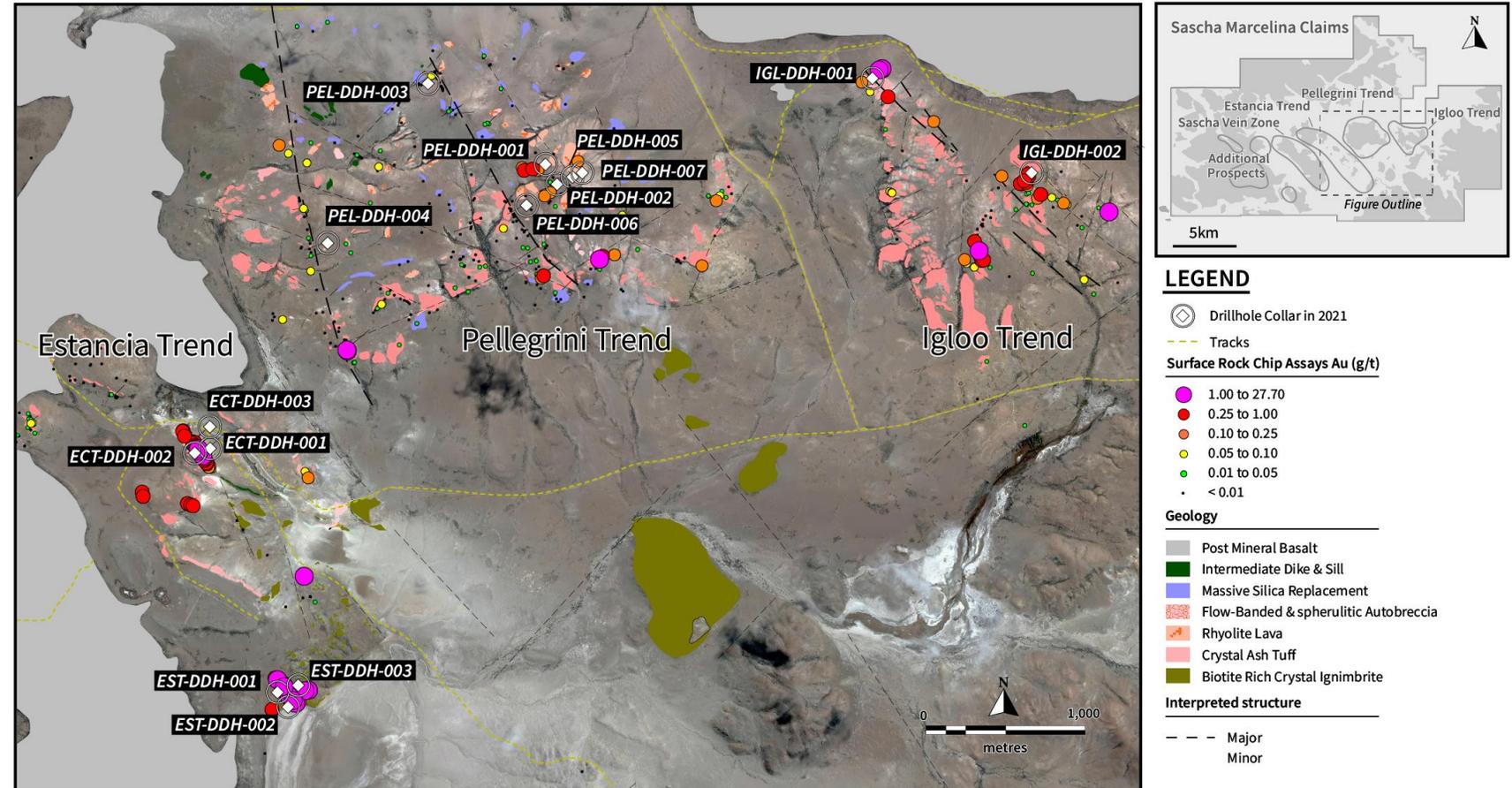
#### Zn (ppm)



- Precious metal mineralization decreases in intensity and further to the east, outboard and distal to the remaining untested central target
- Untested chargeability/resistivity anomaly defined from the recent deep penetrating IP geophysics

# Sascha Marcelina – Untested Exploration Potential

- Widespread Au/Ag/Zn/Pb mineralization identified in Mirasol's drilling
- Multiple vectors defined to untested targets remaining
- District scale property package
- **Search initiated for third party exploration partnership**



# Partner-Funded Projects

## Nord

**Partner:** Encantada SpA  
**Target:** Porphyry Copper + IS Epithermal  
**Objective:** Discovery Drilling  
**Status:** 1,200m completed / Define new drill targets

## Rubi

**Partner:** Mine Discovery Fund  
**Target:** Porphyry Copper  
**Objective:** Discovery Drilling  
**Status:** Deep seeing geophysics planned to follow on drilling results

## Virginia

**Partner:** Silver Sands Resources  
**Target:** LS Epithermal Silver  
**Objective:** Resource Expansion  
**Program:** 1,500m drill program ongoing

## Homenaje

**Partner:** Patagonia Gold  
**Target:** LS Epithermal Gold/Silver  
**Objective:** Discovery Drilling  
**Status:** Drill targeting  
**Program:** Geophysics, sampling, mapping

## Coronación

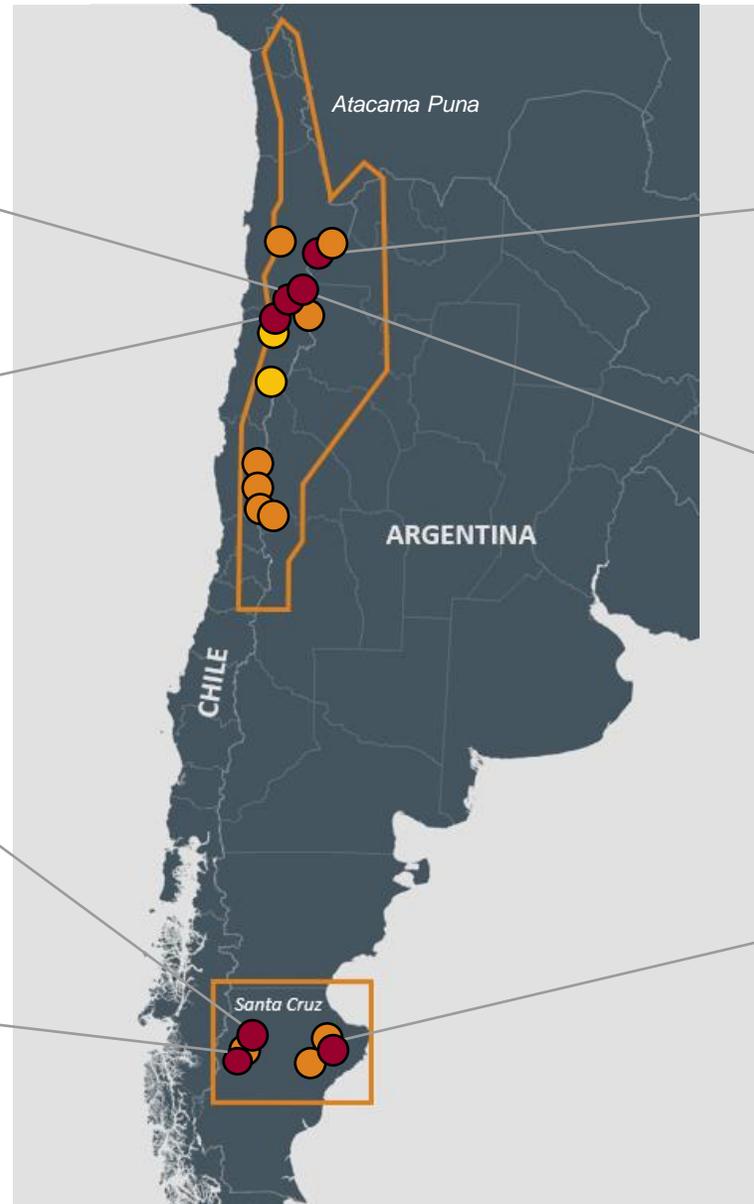
**Partner:** First Quantum  
**Target:** Porphyry Copper  
**Objective:** Discovery Drilling  
**Status:** Community Consultation Program: 3,000m

## Gorbea Belt

**Partner:** Newcrest  
**Target:** HS Epithermal Gold / Silver  
**Objective:** Expansion and Discovery  
**Status:** Assess early-stage prospects

## Libanesa

**Partner:** Golden Arrow  
**Target:** IS Epithermal Gold/Silver + Base Metals  
**Objective:** Discovery Drilling  
**Status:** 2,000m drill program ongoing



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# Option to Joint Venture

## Jan 2019: Gorbea - Newcrest

	51%	65%	75%	85%
>US\$ 19M Exploration Expenditures US\$600k Option Payments ( <i>paid</i> )	PEA \$650k cash	FS	NSR royalty option	MRZ 15%
7.5 years	1 year	2 years		MRZ 25%

## Sept 2019: Coronación - FQM

			80%	
3,000m + Geophysics Committed	10,000m of Drilling and Delivery of a PFS US\$875k Option Payments ( <i>US\$175k paid</i> )			MRZ 20%
7.5 years				Negotiated \$ to 100%

## Oct 2020: Rubi - MDF

			80%	
2,000m of Drilling Committed	>US\$ 8M Exploration Expenditures + Delivery of a PFS			MRZ 20%
8 years				Negotiated \$ to 100%

## Apr 2021: Homenaje - Patagonia

			75%	
US\$400,000 Committed over 18 months	>US\$ 2.55M Exploration Expenditures + Delivery of a PFS			MRZ 25%
6 years				

## Oct 2021: Libanesa – Golden Arrow

			75%	
US\$500,000 Committed over 12 months	US\$ 4M Exploration Expenditures + US\$ 1M Options Payments			MRZ 25%
5 years				

# Option to Purchase

## May 2020: Virginia – Silver Sands Res.

19.9% of the S/O after US\$6M in expenditures Expl. Expenditures - Y1: US\$1M   Y2: US\$2M   Y3: US\$3M
3 years

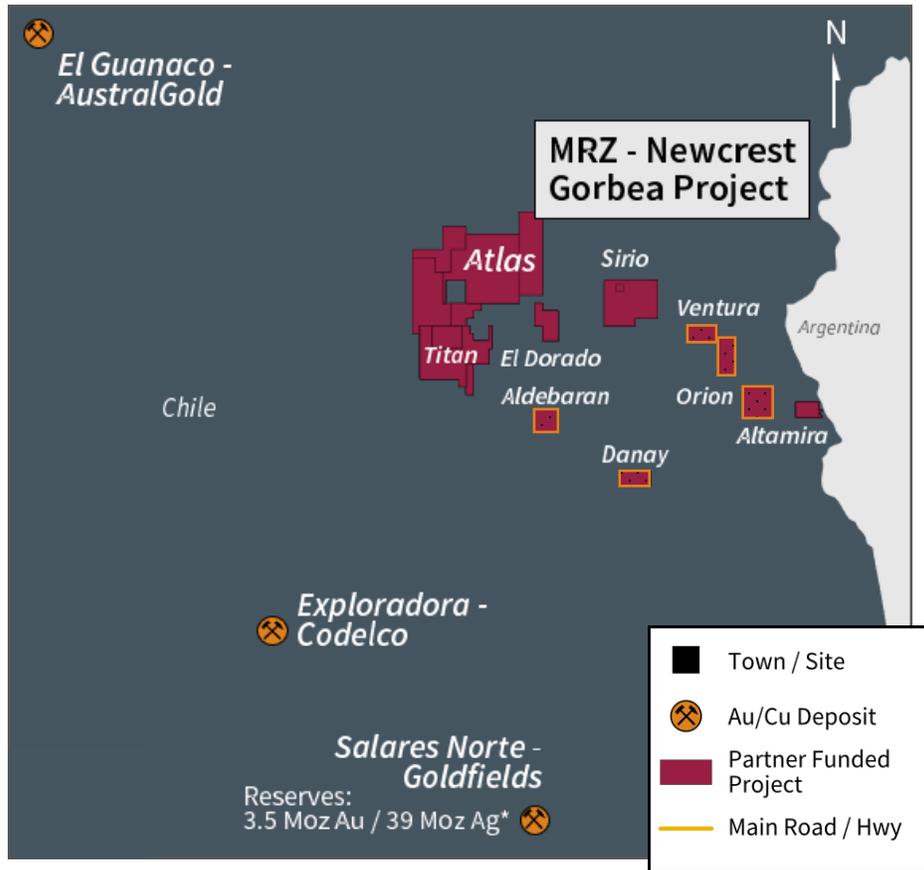
Royalty: 3% NSR or 2% NSR and US\$2M

## Sept 2020: Nord – Encantada SpA

US\$500k Expl. Expenditures over 2 years US\$3M in Option Payments Signing: US\$50k ( <i>paid</i> )   Month 14: US\$200k ( <i>paid</i> )   Mth 24: US\$400k   Mth 36: US\$600k   Mth 48: US\$1.75M
4 years

Royalty: 2% NSR or 1.5% NSR and US\$3M

# Partnered Project - Gorbea Gold, Chile



\* Goldfields Limited – Mineral Resources and Mineral Reserves Supplement to the Integrated Annual Report 2020

## Project Overview

- Mio-Pliocene age mineral belt
- High sulfidation epithermal (HSE) gold property
- 32,000 ha
- 70 km north of Salares Norte, Chile

## Partner

- **Newcrest International Pty Ltd. (NCM)**

## Option Agreement Highlights

- NCM exercised initial option in Dec 2020 with US\$ 500k payment
- NCM to complete a minimum US\$15M in additional exploration expenditure for 51% project ownership
- Delivery of a positive Feasibility Study for 75% project ownership

## Exploration Activities

- A large land package containing nine projects in the Gorbea Belt
- Large outcropping gold systems identified at the Atlas and Titan
- Additional 2,072m RC drill program completed in Q4 2021 at Atlas and El Dorado
  - 2 holes at Atlas to follow up on previously defined and widespread Au-Ag mineralization seeking potential extensions and higher-grade mineralized zones
  - 3 holes to test new target with coincident geochemical and geophysical anomalies
- NCM to focus rest of the field season on review of untested prospects (Ventura, Danay, Orion and Aldebaran)

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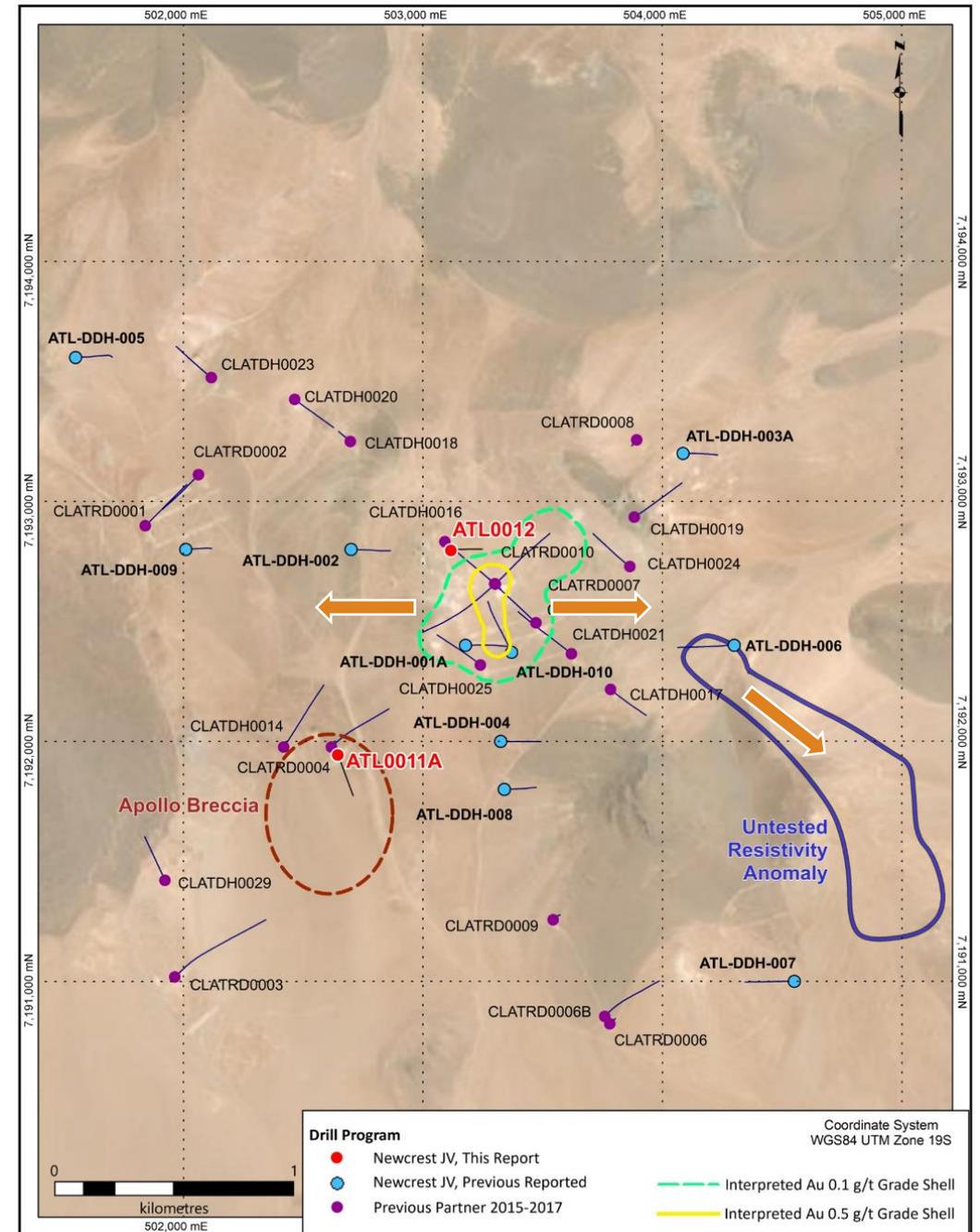
# Gorbea: Atlas Prospect – Exploration Results

Last 2 drill holes completed at Atlas restricted potential with:

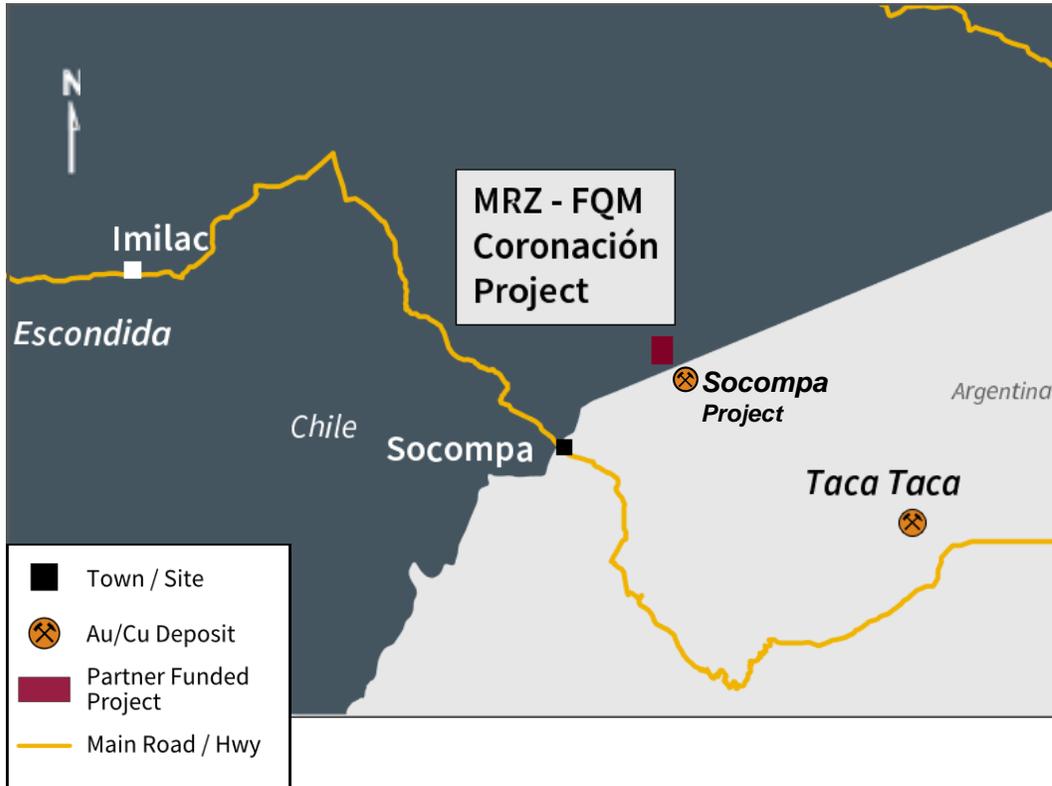
- ATL0012: Limiting upside to the north
- ATL0011A: Drilled peripheral to mineralized center

→ Potential remains to both the east and west to extend the mineralization and explore for higher-grade mineralization

→ Another viable untested target lies to east-southeast where pathfinder elements, alunite composition and gold values combine with a high-resistivity anomaly



# Flagship Project – Coronación Copper/Gold, Chile



## Project Overview

- Mio-Pliocene age mineral belt, northern Chile
- 1,200 ha
- Porphyry Copper and HSE gold project
- 80 km E of Escondida and 240 km ESE from Antofagasta

## Partner

- **First Quantum Minerals**

## Option Agreement Highlights

- Executed in September 2019
- Annual cash payments totalling US\$875,000
- Minimum 10,000m of drilling
- Delivery of a NI 43-101 Prefeasibility Study Report for 80% project ownership

## Activities

- 3,000m drilling commitment to be completed next field season
- FQM to advance community engagement to secure support for drilling program

## Geology

- Surface sampling, alteration and geological mapping and geophysical surveys have outlined an attractive porphyry target that displays characteristics similar to other Miocene age porphyry Au-(Cu) systems in the highly productive Maricunga belt

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# Rubi Copper, Chile



## Project Overview

- Paleocene age mineral belt, northern Chile
- 7,500 ha
- Porphyry copper project
- Lies at relatively low elevation (1,900 – 2,100m ASL)
- Year-round access via well maintained gravel roadways
- Adjacent townships with a trained mining workforce, nearby roads, power, water grid and an operating mill and smelter

## Exploration Activities

- 1,887m drill program completed
- Deep-sensing IP and MT geophysical program for Q1 2022

## Partner

- Mine Discovery Fund Pty Ltd. (MDF)

## Option Agreement Highlights

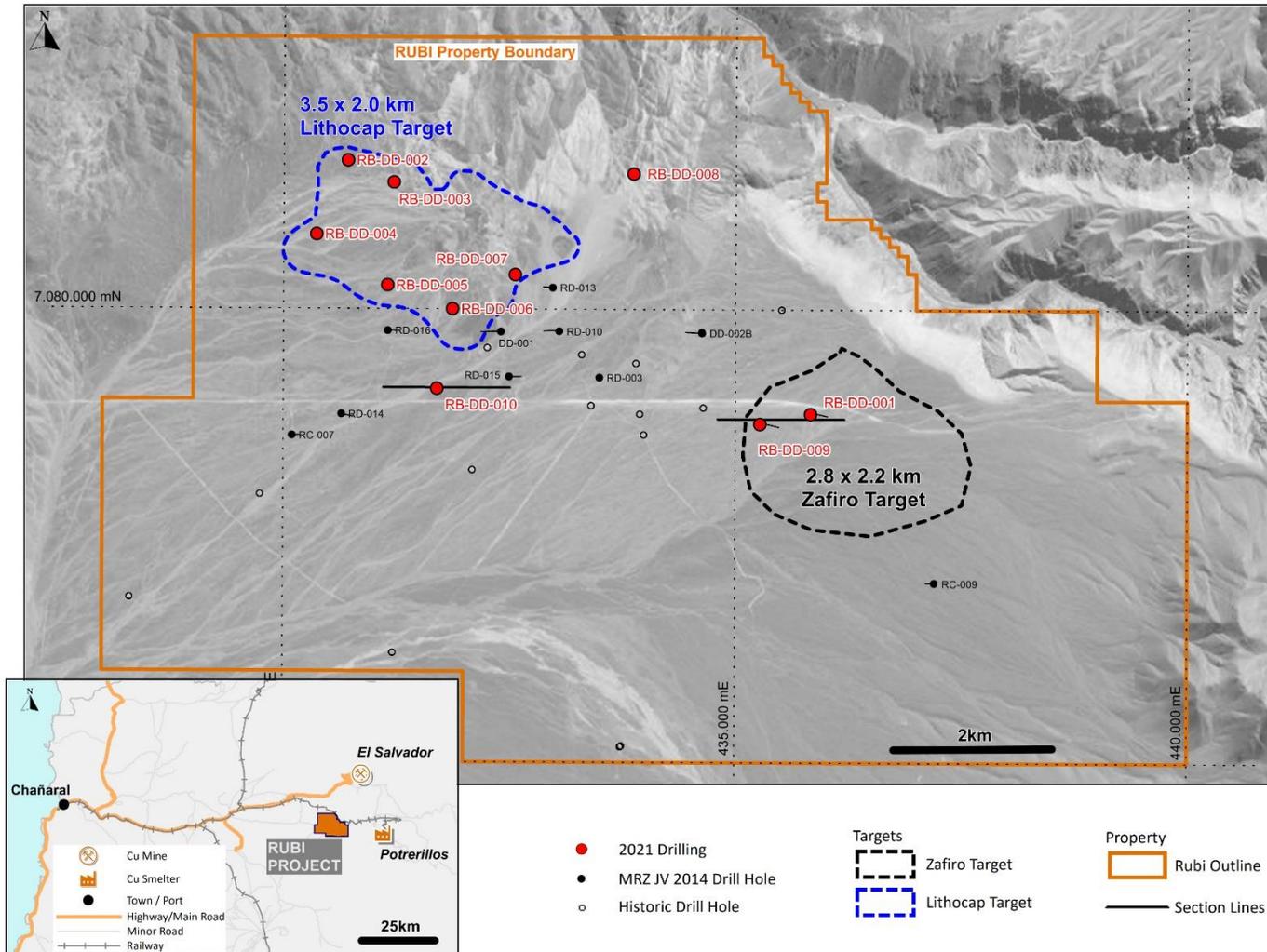
- Executed in October 2020
- Delivery of a Prefeasibility Study Report for 80% project ownership
- Minimum US\$1M/year in exploration expenditure
- Mirasol acting as the operator

## Geology

- Two large-scale targets (Lithocap and Zafiro) are identified with potential to host a large-scale porphyry deposit
- 2021 drilling has identified a large and strongly developed porphyry-style alteration system

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# Rubi – Exploration Program

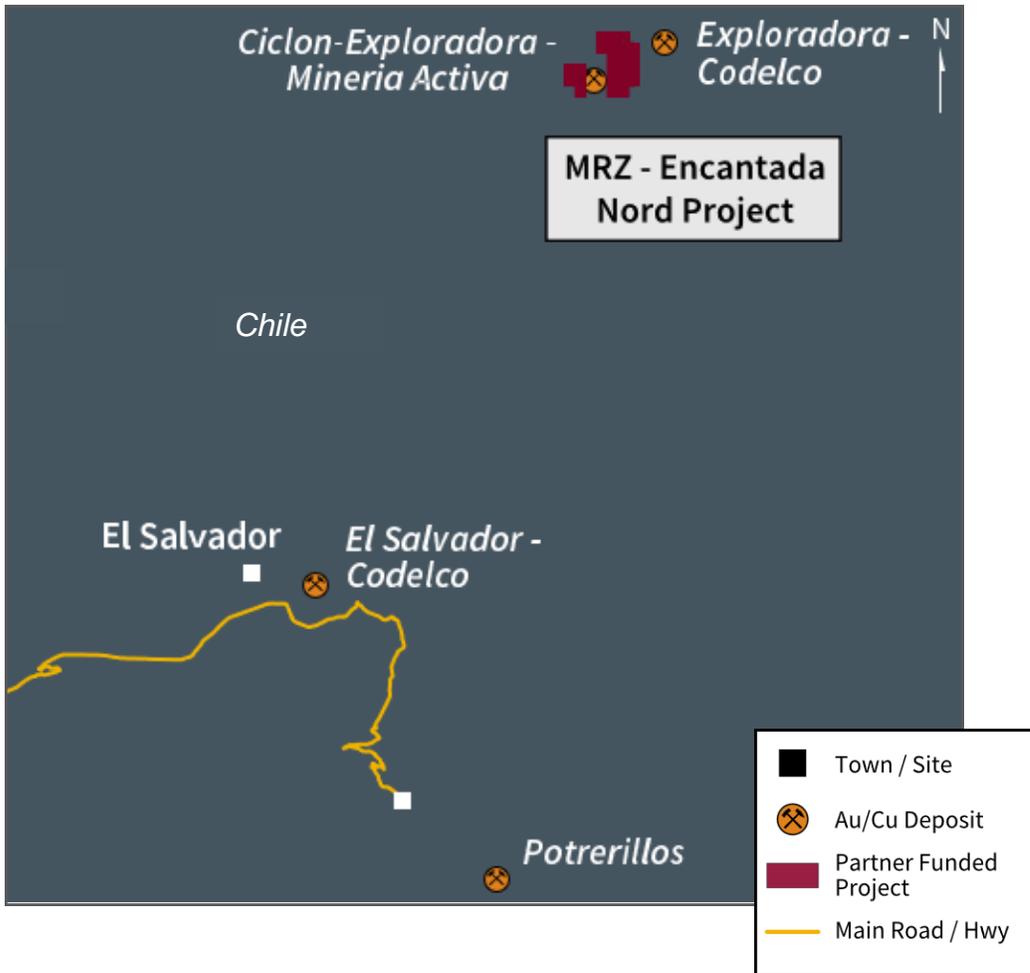


**Multiple indicators of proximity to a potential covered and well mineralized porphyry Cu system:**

- Occurrence of porphyritic daci-andesite intrusive rocks and hydrothermal brecciation that exhibit strong quartz-sericite (phyllic) alteration overprinting now relict K-feldspar alteration that host trace fine pyrite-chalcopyrite-magnetite mineralization.
- Good ground preparation, which is critical for mineral deposition with strong to locally intense fracturing infilled with late gypsum/anhydrite and calcite veining.
- Presence of anomalous Cu, Mo and locally elevated As geochemistry results over substantial intervals.

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# Nord Polymetallic Project, Chile



## Project Overview

## Partner

## Option Agreement Highlights

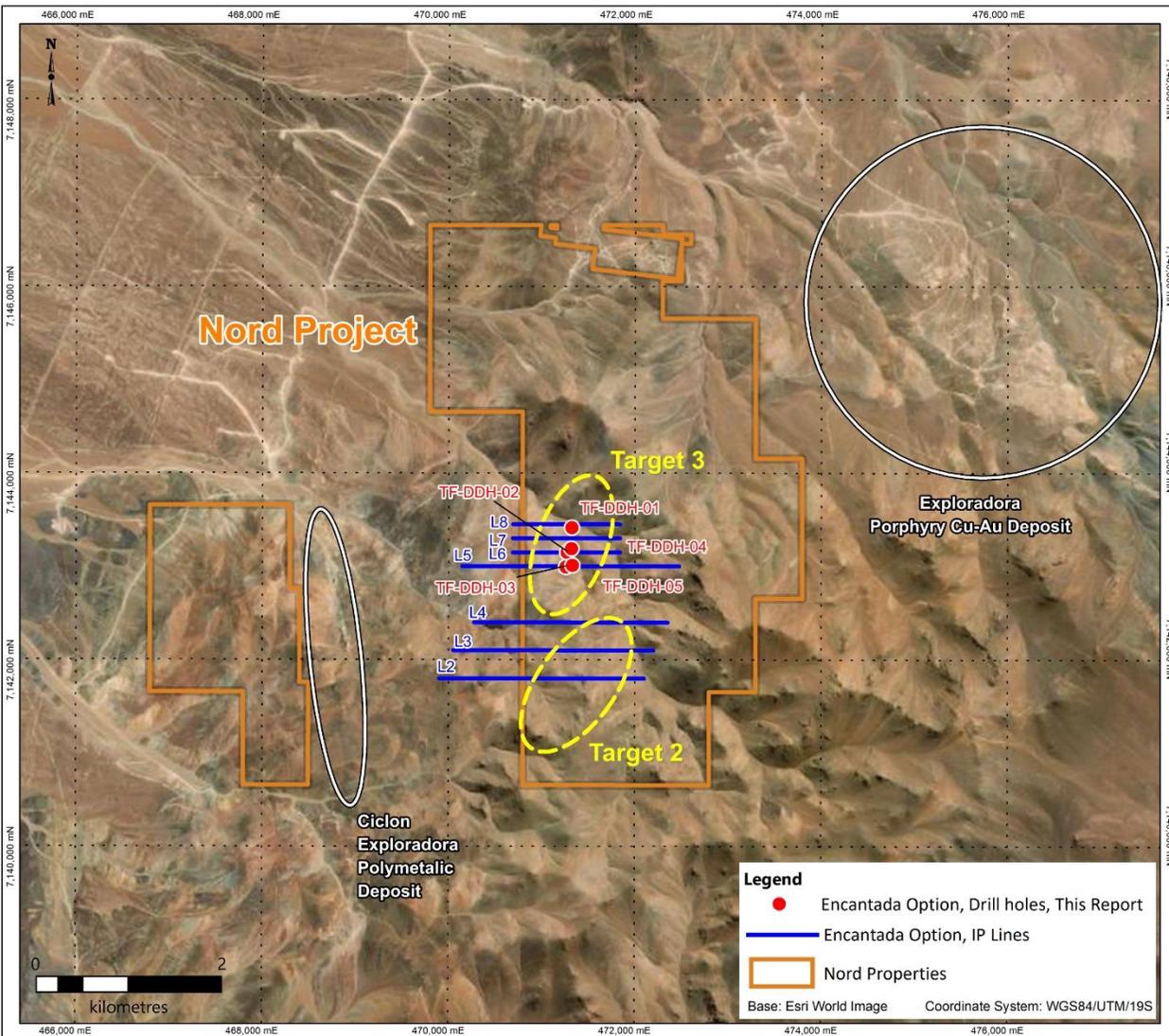
## Exploration Activities

## Geology

- Eocene-Oligocene Copper Porphyry belt of northern Chile
- 1,967 ha
- Altitude of 3,200 to 3,900m ASL
- Polymetallic Intermediate Epithermal and Porphyry prospect
- **Encantada SpA, an affiliate of Minería Activa**
- Executed in September 2020, four-year term
- Annual cash payments totalling US\$3M for 100% project ownership
- 2% NSR retained by Mirasol
- Scout drill program completed in Q2 2021
- 1,200m drill program completed in late 2021
- Multiple north-northeast trending mineralized corridors identified on the property
- Potential for vein type polymetallic (Cu, Zn, Pb, Ag, Au) epithermal and Cu-Porphyry style mineralization

TSX-V: MRZ ■ OTCPK: MRZLF

# Nord Project – Exploration Results



## Two targets advanced on Mirasol property

### Target 3: 1,200m scout drill program completed

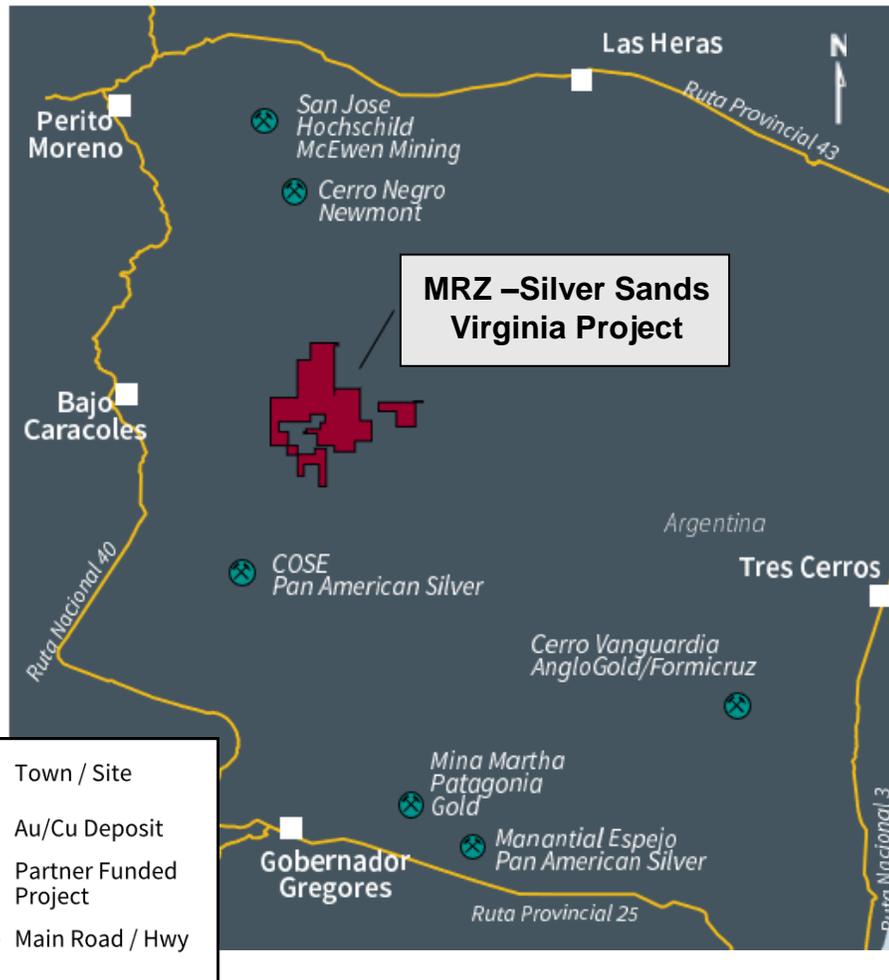
- Narrow zones of zinc mineralization (sphalerite - pyrrhotite) encountered in the northern holes
- Higher temperature (garnet-pyroxene-magnetite) skarn hosting narrow zones of Cu-Au mineralization intercepted in the south
- Skarn and increasing Cu-Au along with Mo vector towards a porphyry target to the southeast

### Target 2: Mapping and geophysics completed

- Three porphyry intrusives associated with potassic (biotite) alteration overprinted by strong sericite-clay alteration
- IP survey completed revealing a strong and broad chargeability anomaly from 100-500m depth associated with the altered porphyry intrusions

→ Encantada is developing new drill targets

# Virginia Silver, Argentina



## Project Overview

- Santa Cruz, Argentina
- 74,429 ha
- Low sulfidation epithermal (LSE) silver vein prospect
- 160 km north of Pan American Silver’s Manantial Espejo Mine

## Partner

- **Silver Sands Resources Corp.**

## Option to Purchase Agreement Highlights

- US\$6M exploration expenditure over 3 years for 100% ownership
- Mirasol acting as the exploration program operator
- Mirasol to participate with 20% shareholding and 3% NSR royalty

## Exploration Activities

- ~9,000m of drilling completed during the option
- Phase I, II and III drill program results confirmed strong potential for resource expansion
- 1,500m Phase IV drill program initiated

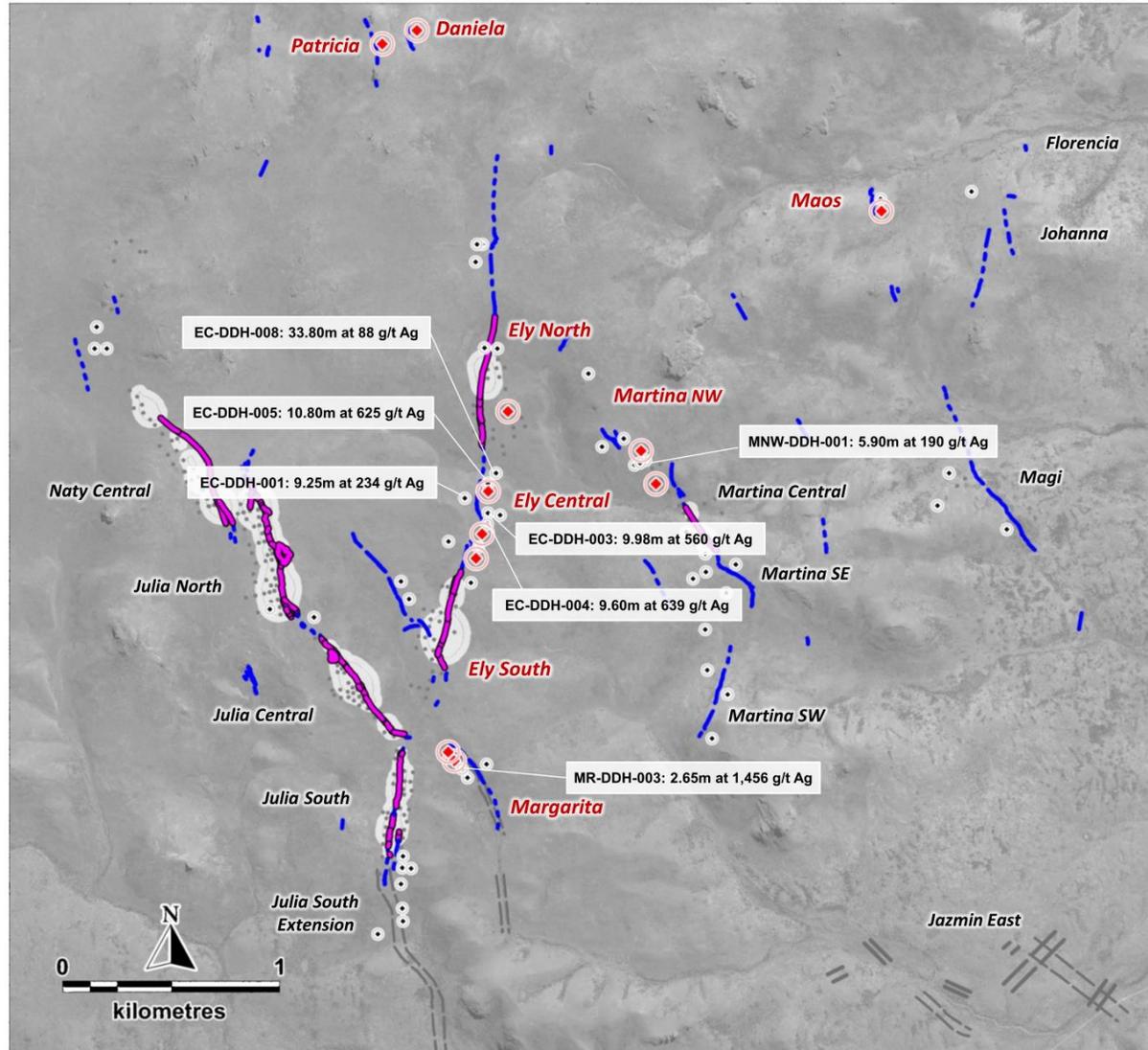
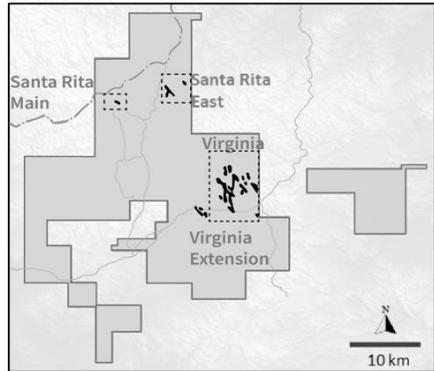
## Resource Estimate

- NI 43-101 within conceptual pit resource <sup>[1]</sup>
  - *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 Project – Exploration Program



**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

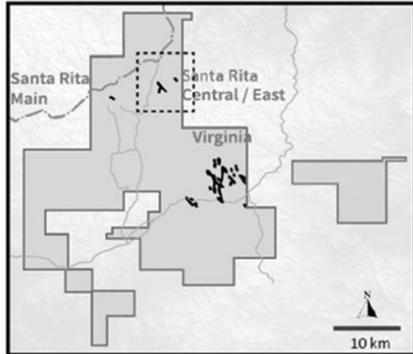
1,500m Phase IV program to follow up on key prospective areas and to support an aggressive program next season

- 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**

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# Virginia Project – Santa Rita Prospect



## LEGEND

DDH Completed in Phase III

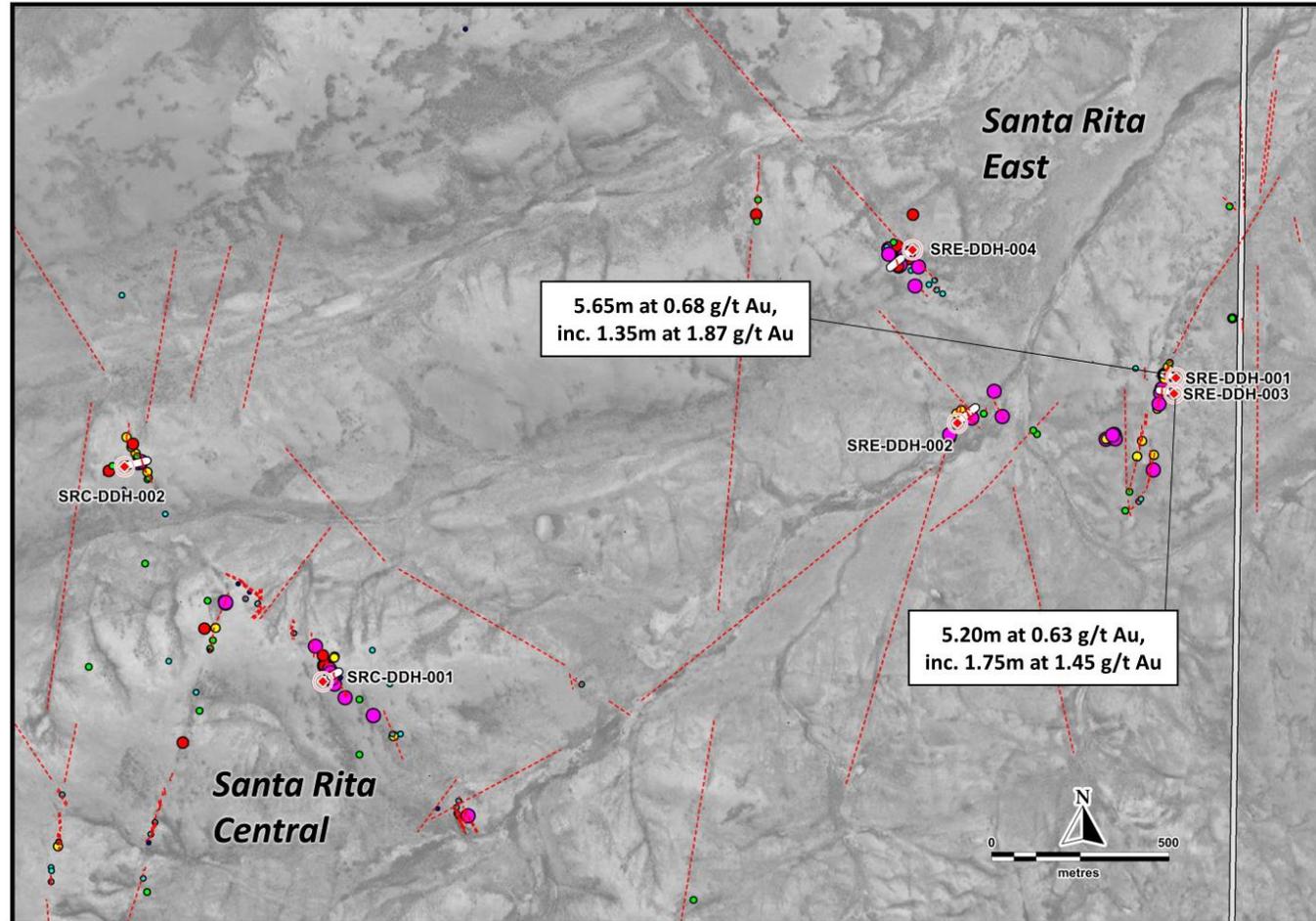
Rock Chip Geochemistry (AuEq g/t)

- 0.5 to 10
- 0.25 to 0.5
- 0.1 to 0.25
- 0.05 to 0.1
- 0.01 to 0.05
- 0 to 0.01

$AuEq = Au + Ag / 75$

Structural Lineations and Interpretations

Property Boundary



**LSE style mineralization with both gold and silver values**

- Drilling confirmed the structures mapped and sampled on surface extend to depth, providing vectors for deeper drilling
- Follow up drilling is planned to further define the vertical and lateral extent and continuity of this vein-hosted mineralization

# Libanesa Gold/Silver Project, Argentina



TSX-V: MRZ ■ OTCPK: MRZLF

## Project Overview

- Santa Cruz, Argentina
- 14,500 ha
- Low sulfidation epithermal gold/silver prospect
- Located at the NE margin of the Deseado Massif

## Partner

- Golden Arrow Resources Corp.

## Option Highlights

- Executed in October 2021 with a six-year term
- Initial US\$500k and minimum of 2,000m drilling committed by the end of second year
- US\$ 1M in payments over term
- Minimum of US\$ 4M exploration expenditure over term

## Exploration

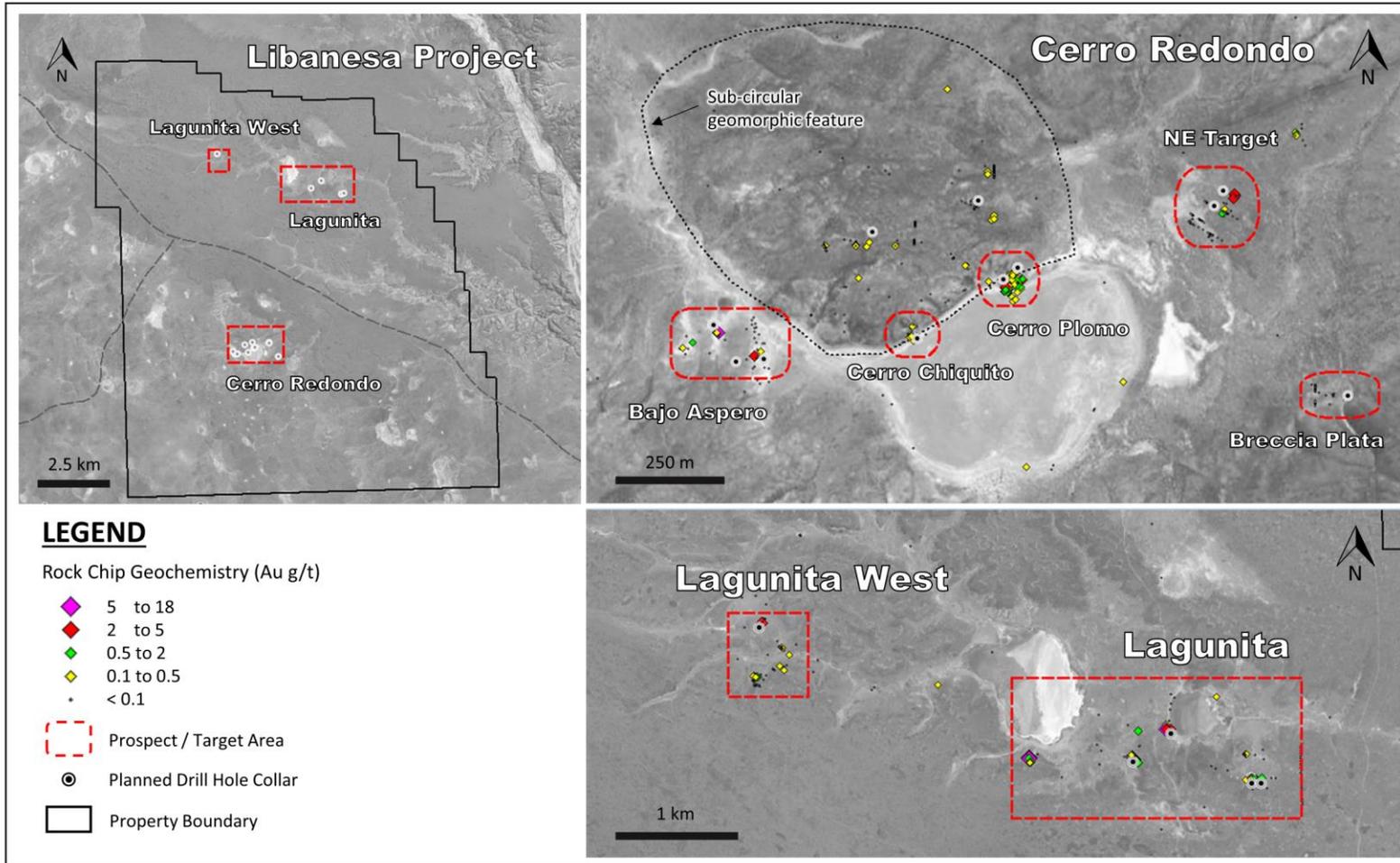
- Drill targeting program completed
- 2,000m drill program initiated

## Geology

Host several diversified geological, geochemical and geophysical supported drill targets:

- Cerro Plomo prospect is characterized by a well mineralized Au/Ag hydrothermal breccia that is exposed at surface
- Libanesa Main prospect has peripheral polymetallic veins are supported by strong base metal +/- Au mineralization
- Lagunita prospect reported some encouraging rock chip Au values from more typical low sulfidation type epithermal veins and breccias

# Libanesa Project – Exploration Program



## 2,000m maiden drill program focusing on Cerro Redondo and Lagunita prospects

- Cerro Redondo has a 1km sub-circular geomorphic feature, that hosts multiple gold-silver-lead anomalies inside and at its margins
- Cerro Plomo is the principal target and hosts a 50m wide and well-mineralized gold-silver hydrothermal breccia exposed at surface supported by geophysical anomalies at depth.
- The Lagunita targets include more typical low sulfidation type epithermal veins and breccia, with intermittent vein occurrences, outcropping/sub-cropping through post mineral cover mapped over a 2.3km strike length

# Homenaje Gold/Silver Project, Argentina



## Project Overview

- Santa Cruz, Argentina
- 11,056 ha
- Low sulfidation epithermal gold/silver prospect
- Located at the western margin of the Deseado Massif
- 3 km south and southwest from the COSE and Cap Oeste mines operated by Pan American Silver and Patagonia Gold

## Partner

- Patagonia Gold Corp.

## Option Agreement Highlights

- Executed in April 2021 with a six-year term
- Delivery of a NI 43-101 Prefeasibility Study for 75% project ownership
- US\$ 400k committed within the first 18 months and 2,500m of drilling
- Minimum of US\$ 2.55M exploration expenditure over term

## Geology

- Four northwest trending prospective structural trends identified
- Similar geologic characteristics to those of the adjacent COSE and Cap Oeste mineralized areas
- Small erosional windows show Middle to Upper Jurassic tuffs assigned to La Matilde Formation, which hosts localized hydrothermal breccias, veinlets and stockworks of chalcedonic quartz

TSX-V: MRZ ■ OTCPK: MRZLF

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IN CHILE AND ARGENTINA**

**BY  
DEFINING AND DRILL TESTING  
MULTIPLE QUALITY EXPLORATION PROJECTS  
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Sobek Project, Chile

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