



Investor Presentation Q2

# A New Frontier for Copper

TSX.V : **VMS** | FSE: **DM8** | OTC: **VMSSF**  
[vortexmetals.ca](http://vortexmetals.ca)



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## Qualified Person

Robert J. Johansing, BSc Geology, MSc Economic Geology, QP MMSA, is an independent qualified person, as defined by NI 43-101. Mr. Johansing has reviewed the technical content of this Presentation and consents to the information provided in the form and context in which it appears.

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# No De-carbonization Without Copper

Goldman Sachs

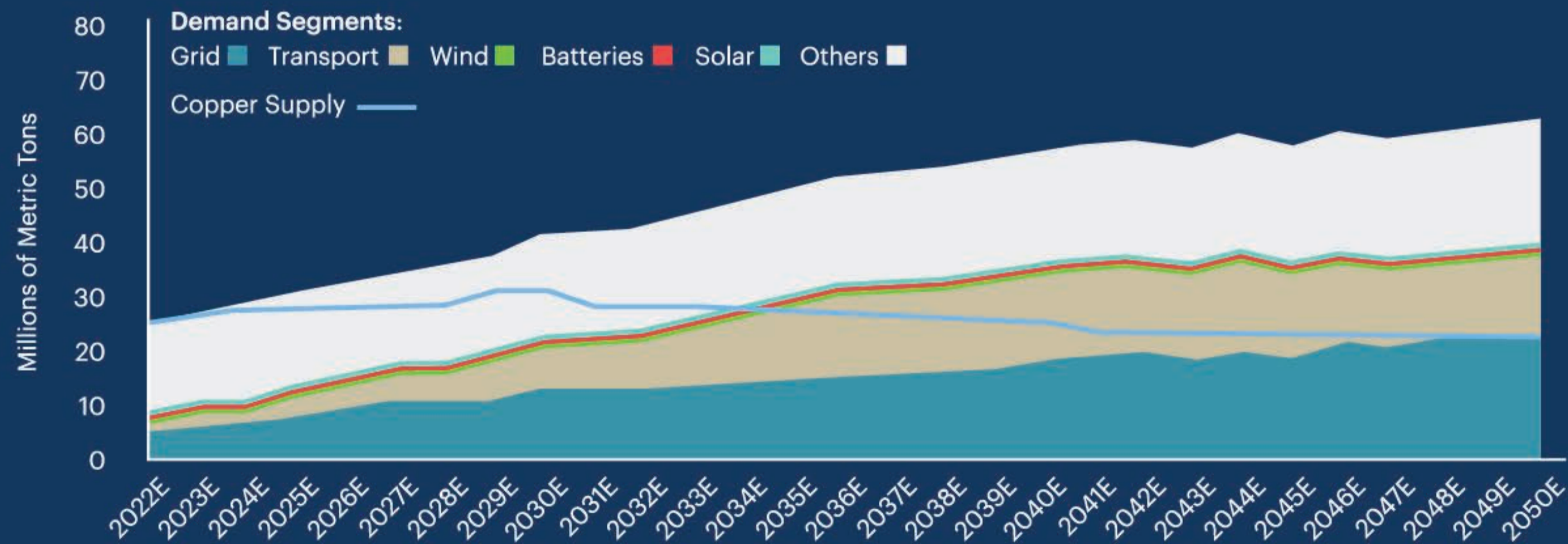
“By 2030, Copper demand from the energy transition, is estimated to grow nearly **600% to 5.4MT** in the base case and **900% to 8.7MT** in the case of hyper adoption of green technologies”

By 2030, experts predict a shortfall of 10 million metric tons annually

Persistent decline in Copper discoveries with only 12 of 228 deposits discovered since 1990 coming in the last decade

# S&P Global

### Copper Supply and Demand Imbalance May Likely Grow<sup>1</sup>



Source: 1. <https://sprott.com/insights/copper-wired-for-the-future/>

# Diversified Copper Exploration Portfolio

The inclusion of an emerging VMS copper-gold belt in Mexico and a developing brownfield copper project in Chile

## ✓ Advanced Copper Brownfield in Chile

A fully permitted, Copper project in Choapa Province of Chile

→ ROFR on the adjacent Rio 27 Mine, with a current probable, indicated, and inferred resource of 6.2M tons source internal estimate (non 43-101 compliant)<sup>1</sup>

## ✓ Emerging VMS Copper-Gold Belt in Mexico

Leverage to emerging volcanogenic massive sulphide (VMS) belt with potential for significant Copper discovery

## ✓ Management Team

successfully developed and exited several exploration projects, including Underworld Resources, sold to Kinross Gold Corp (TSE:K) for C\$139m

1. SCM Ventana Minerals Inc



# Management & Board

## Management

### MICHAEL WILLIAMS

#### Interim CEO, Chairman & Director

Senior executive with 24+ years in mining, skilled in structuring and marketing Toronto Stock Exchange-listed companies.

Executive Chairman of companies, including Underworld Resources, acquired for \$138M by Kinross Gold Corp.

Established international financing network, raised substantial capital for global exploration and development projects.

### VIKAS RANJAN

#### President & Director

Management professional with 25+ years' experience in finance, capital markets, entrepreneurship, and investing.

Co-founder of Gravitas Group, launched public and private enterprises in capital markets and growth investing.

### KEVIN MA

#### CFO

Kevin Ma is a seasoned Chief Financial Officer with over 15 years of experience in corporate finance, strategic go-public initiatives, and management advisory services for both public and private companies.

He has played a pivotal role in securing over \$500 million in corporate financing and mergers and acquisitions transactions. Kevin's previous roles include Director of Finance at Alexco Resource Corp and CFO at First Cobalt Corp. He currently serves on the board of several Canadian public companies.

## Directors

### DR. JOHN LARSON

#### Director

Dr. John E. Larson has 42 years of international experience in exploration, development, and mining. He has worked with major companies, junior explorers, and government geological surveys, including 16 years at BHP and BHP Billiton.

His roles included Manager of North America Copper Exploration, Global Porphyry Copper Exploration, and Latin America Exploration.

### PAUL FÜRST

#### Director

Mr. Fürst, a partner and board member of Banco de Chile since its 2019 NYSE listing. Banco De Chile is Chile's largest private bank, founded in 1893 with over US\$ 12 billion market value. Based in Santiago, it operates 400+ branches and 1900+ ATMs nationwide.

His mining sector expertise spans 18 years, focusing on Ventana Minerals and Terra Services. He is also a partner and director of Mall Plaza, the largest owner and operator of shopping malls in Latin America.

### CALE THOMAS

#### Director

Executive with extensive experience in business and financial consulting, including leadership roles in mineral and oil exploration companies.

Former Director and CFO of Eagle Hill Exploration Corporation (acquired by Osisko Mining Inc.). Currently CFO of infinitii ai inc., specializing in AI-driven predictive analytics.

## Advisors

### ROBERT JOHANSING

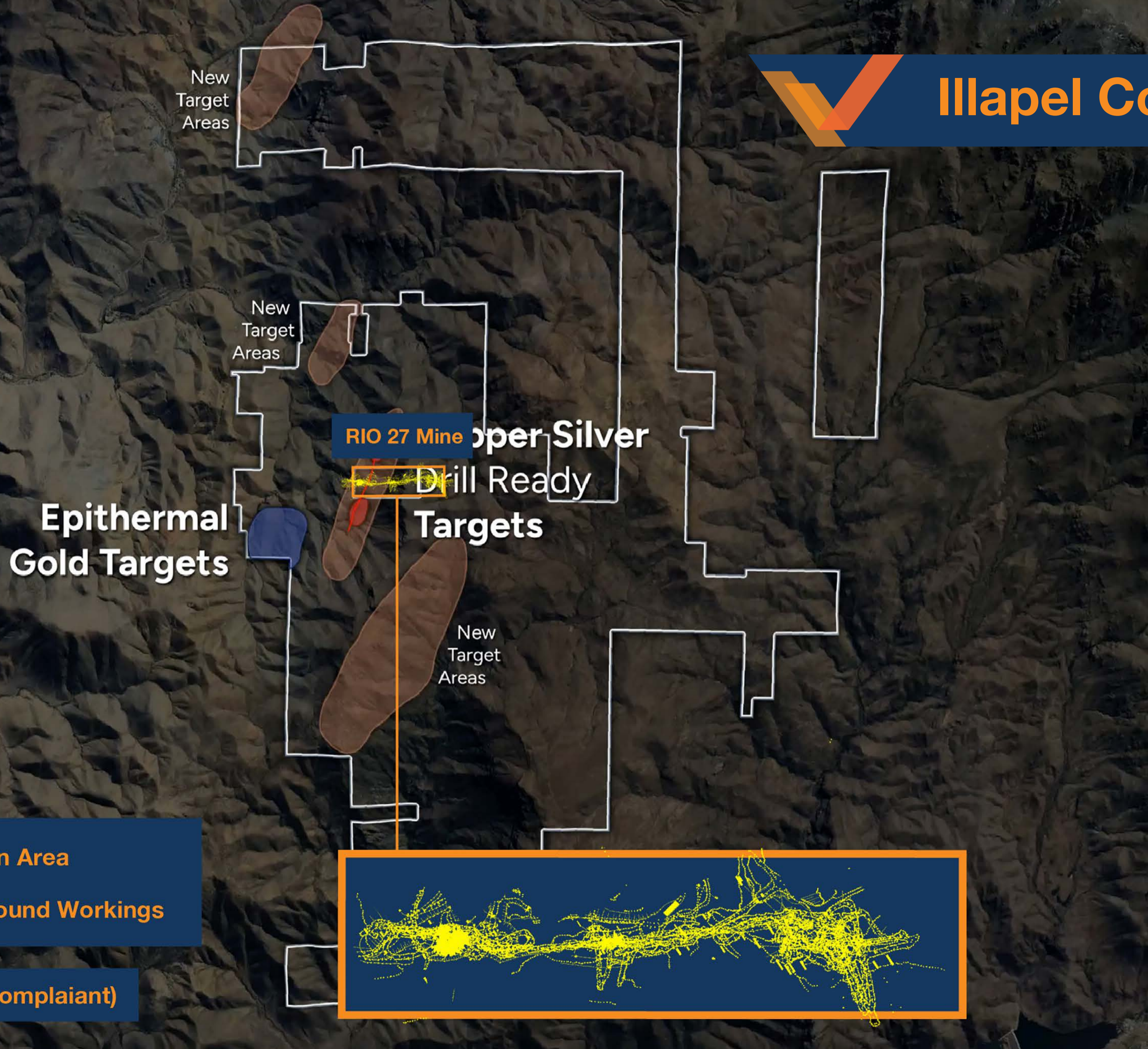
#### Consulting Geologist

Mining and exploration geologist with 40+ years of experience.

Led projects in Mexico, Central, and South America (notably El Dorado project in El Salvador).

Co-founded non-profit to create mining-related community enterprises, addressing poverty in marginalized areas.

# Illapel Copper Project, Chile



- ✓ Manto type Stratabound deposit
- ✓ Three mineral leases totaling ~6,000 Ha
- ✓ Rights of First Refusal on Rio 27 mine, with a current probable, indicated, and inferred resource of 6.2M tons source internal estimate (non 43-101 compliant)<sup>1</sup>
- ✓ Favorable Geology Extends north and south from the Rio 27 Mine
- ✓ Ongoing Drilling of high priority targets

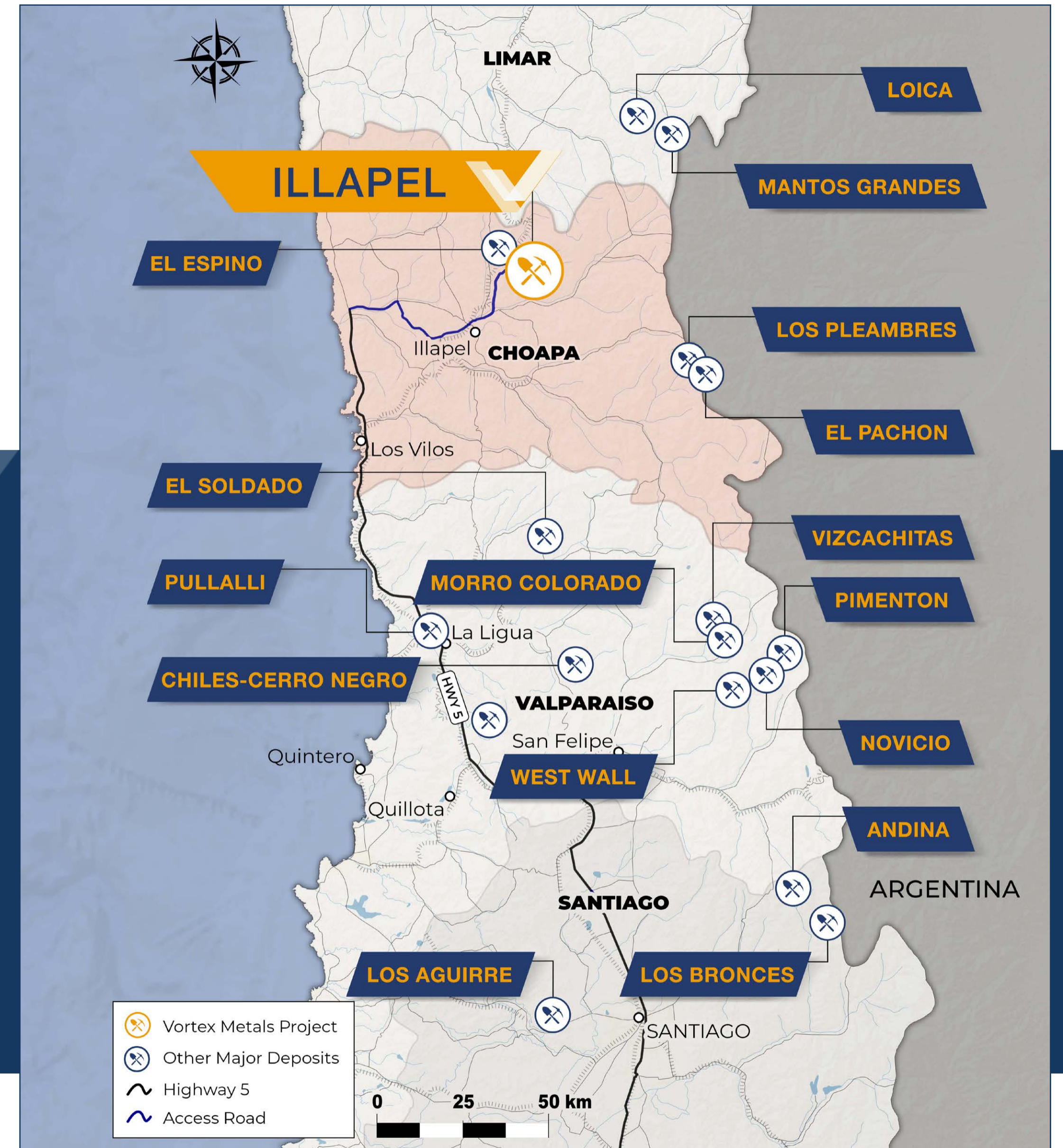
1. SCM Ventana Minerals Inc

# Project Overview

The Illapel Copper Gold project is located in the Commune of Illapel, Choapa Province, the Fourth Region of Chile - 250 km north of Santiago

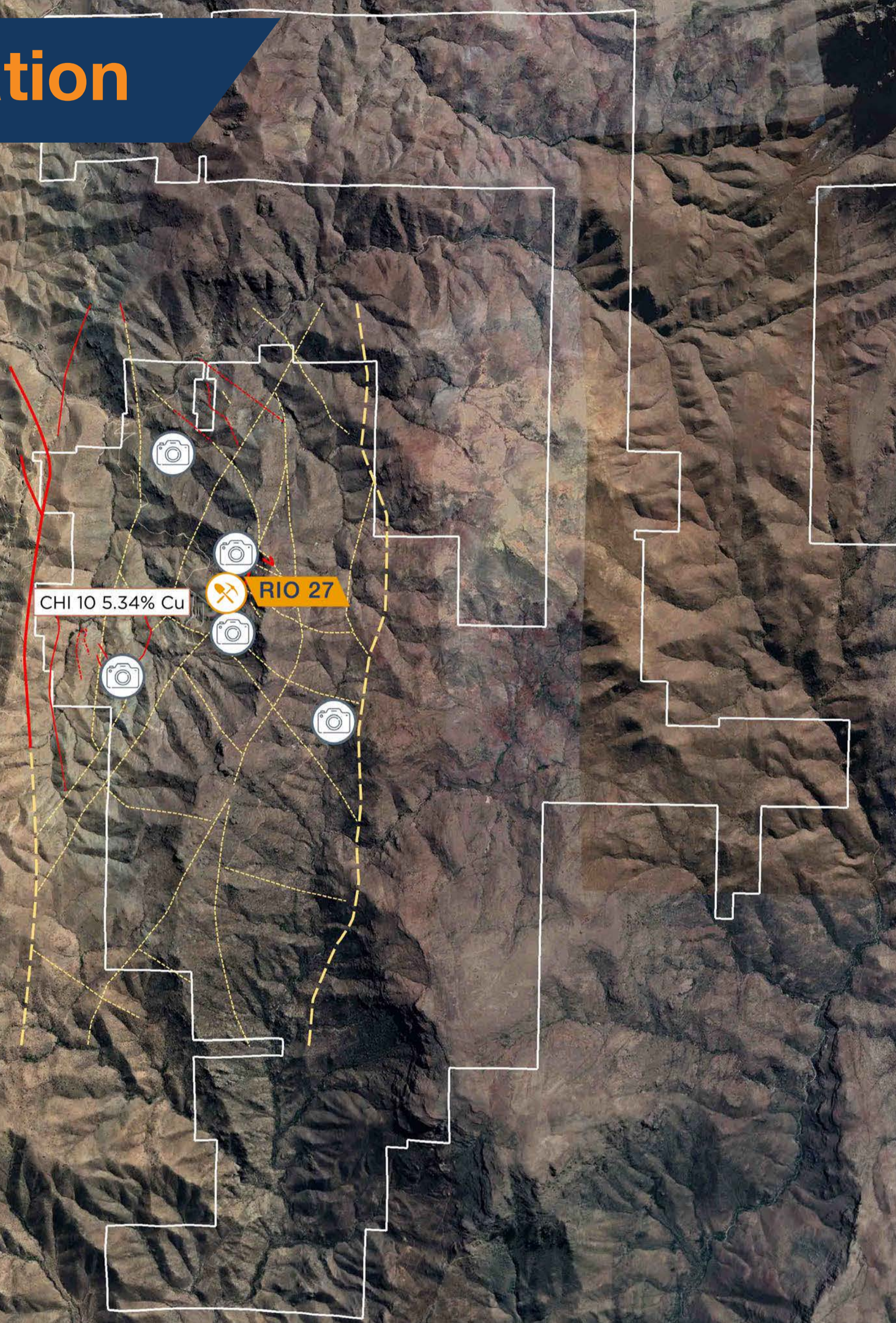
## Infrastructure Highlights

- ✓ Proximity to major infrastructure, paved roads, power grid and water
- ✓ 5 km from Central Transmission Line SIC
- ✓ Low Elevation – 1,500m above sea level
- ✓ Year-round-drilling conditions



# Illapel Visualization

- Structure of Rio 27 Mine
- Inferred mineralized structure
- Structure mapped or observed in Google Images
- Duplex structures
- Lineament
- Photo locations



Rio 27 Mine



N10°E-Striking vein at Ventana IV in northern portion of the concession package. Vein contains chalcocite,  $\text{CuCO}_3$  and  $\text{CuOx}$ . Where mineralization intersects impermeable volcanic rocks, it tends to form tight veins with little dissemination in the wall-rock.



Chalcocite with  $\text{CuCO}_3$  on east side of ridge from Rio 27.



1

**i** CuCO<sub>3</sub> and CuOx in association with ocoite dyke and felsic dyke in the southern portion of the concession package



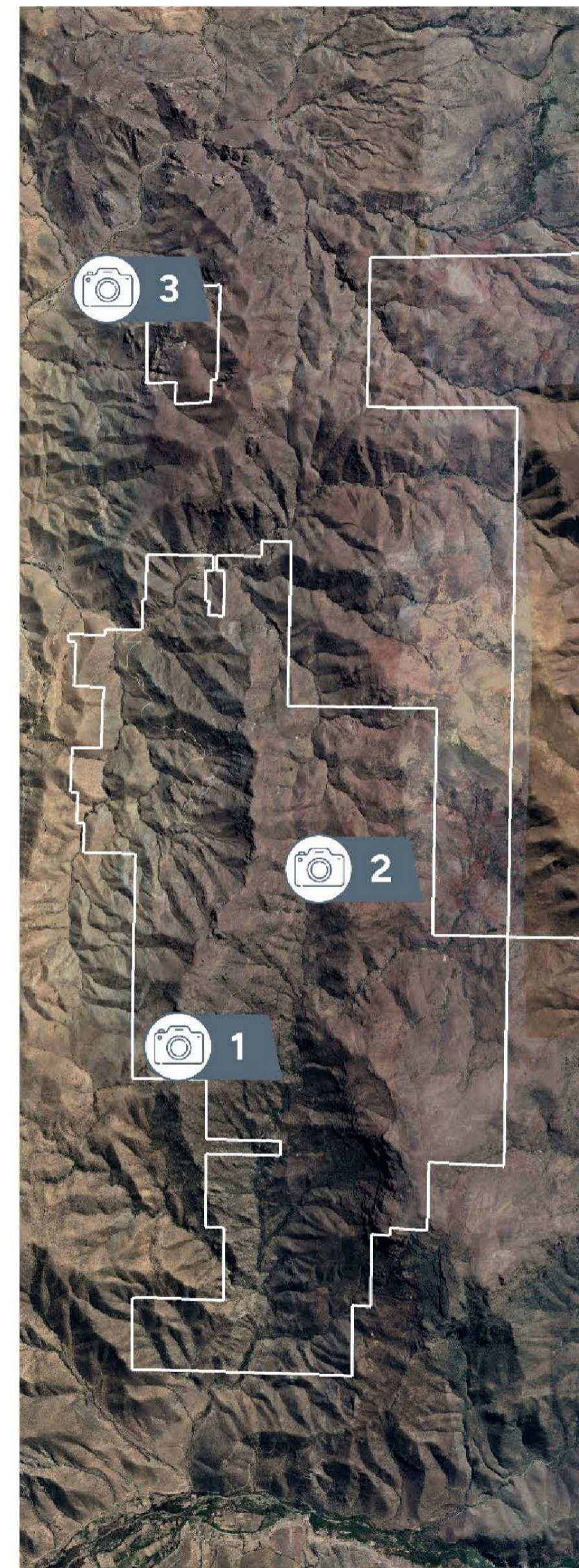
**i** Ocoite dyke with associate CuCO<sub>3</sub> and CuOx in the southern portion of concession package/ Adjacent to felsic dyke that is hosted in the favourable structure at Rio 27.

2



3

**i** High-grade chalcocite, tenorite (?), chalcopyrite ore at Illapelina prospect in the far north of the concession package.



3

2

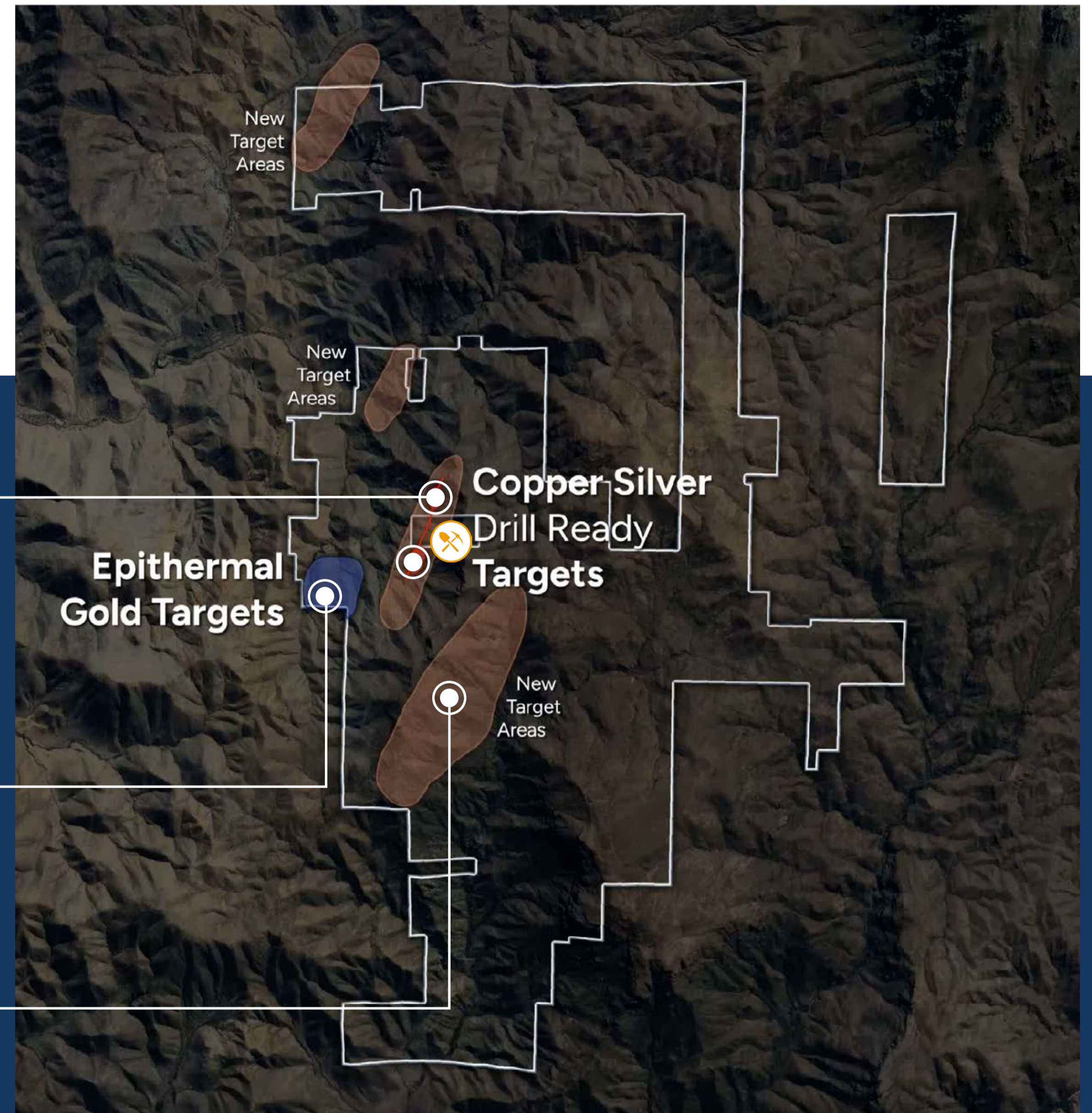
1

# Exploration Program

Exploration permits for the property have already been obtained for drilling and exploration

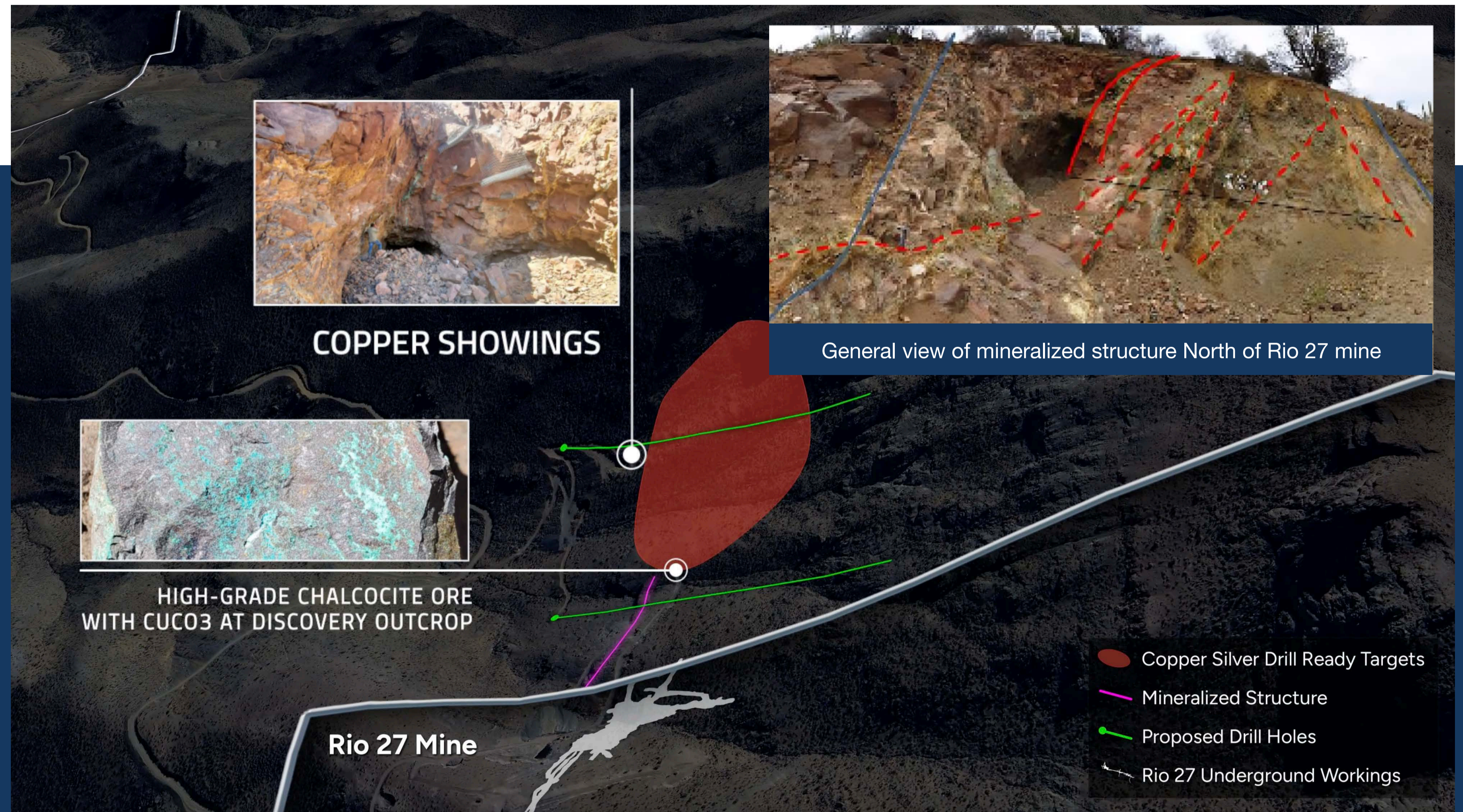
## Phase-1 Exploration

- ✓ Test high-priority, drill-ready targets immediately to the north and south along strike from the Rio 27 mine
- ✓ Map, sample and test drill-targets associated with the epithermal veins in the western portion of the concession area
- ✓ Begin mapping and sampling of new target areas with favourable structures and dykes, with cross-cutting ocoite and associated copper oxides, that are found at multiple locations within the project



# North Rio 27 Mine Target

✓ High-priority, drill-ready targets immediately to the north along strike from the Rio 27 mine



# Epithermal Vein Targets

- ✓ Epithermal veins in the western portion of the concession area
- ✓ Up to 4g Au at surface



# Illapel Phase-1 Drill Program Summary

**Drilling Completed: 8 diamond holes totaling 2,025m**

## Targets Tested

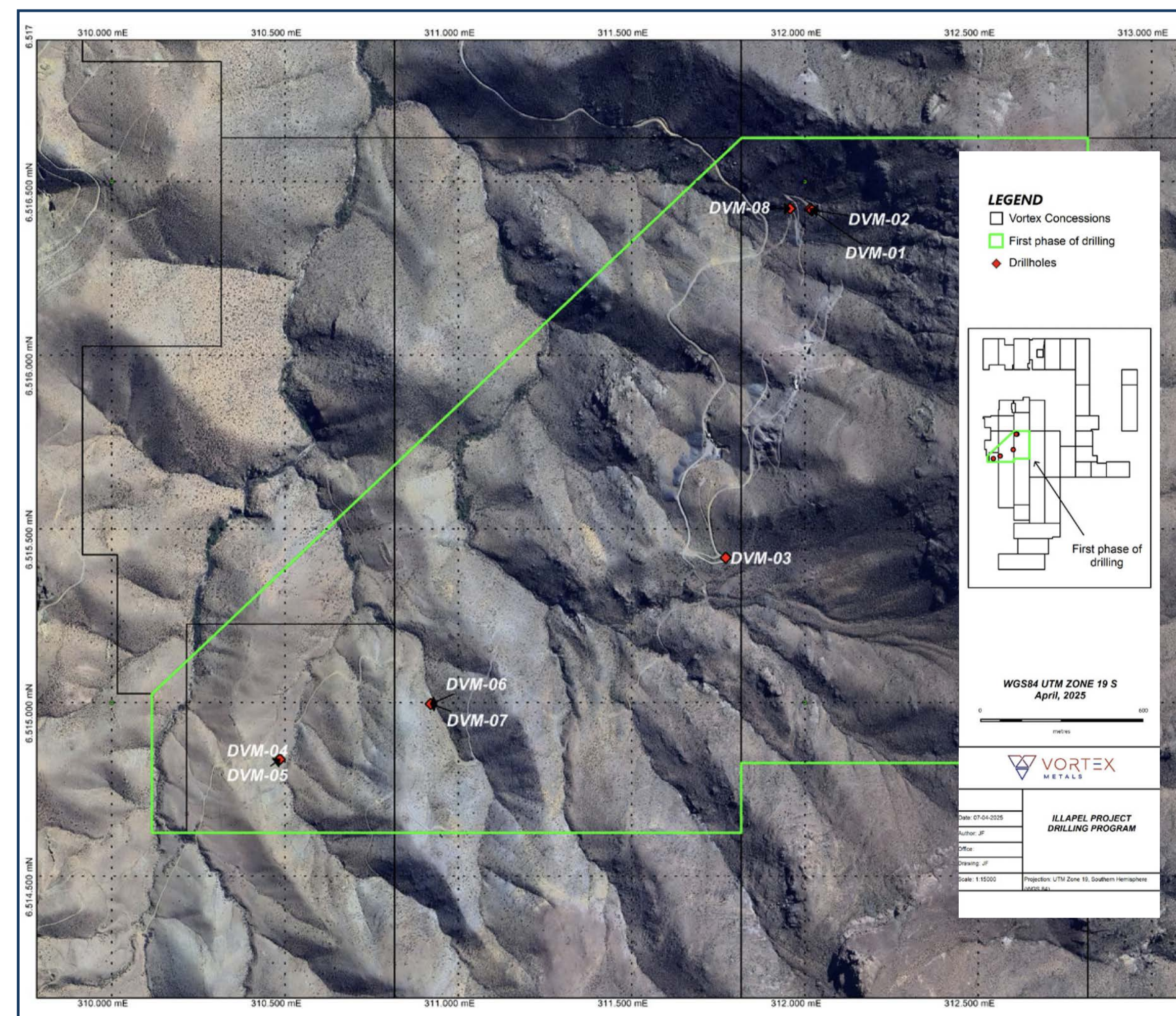
- ✓ Copper-silver near Rio 27 Mine
- ✓ Copper-gold veins on SW concession edge

## Highlights

- ✓ All holes hit low-grade sulfides and alteration
- ✓ Hole DVM-08: 0.60m of strong chalcocite + bornite, similar to Rio 27 mantos

## IOCG Potential

- ✓ IOCG-style mineralization identified 4 km NE
- ✓ Same host rocks as 150Mt El Espino (**0.55% Cu, 0.22 g/t Au**)



# Illapel Phase-1 Drill Program Summary

## DVM-08 Geophysics

- ✓ **Downhole survey (Feb 2025):**  
resistivity, gamma, SP, temperature

## Key Takeaways

- ✓ Strong response from sulphide zones
- ✓ Multiple 7–12m thick intervals suggest sulphide lenses
- ✓ Supports potential for larger high-grade bodies near Rio 27

## Next Steps

- ✓ Follow-up drilling based on results + mapping
- ✓ Drill follow-up at DVM-08 and 2 km north
- ✓ Mapping, sampling & targeting underway in IOCG zone (NE concession)
- ✓ Completed a high-resolution airborne geophysical survey over its Illapel Copper Project (Awaiting Results)





## VMS Projects, Mexico

- ✓ Volcanogenic massive sulphide ore deposit (VMS)
- ✓ Five high potential target areas have been identified on the basis of geology, geochemistry, and geophysics
- ✓ Analogous to large VMS deposits in Latin America, including Tambo Grande, San Nicholas, and Campo Morado.
- ✓ Three mineral leases totaling 12,041 hectares
- ✓ Targets Drill Ready (awaiting permitting)

# VMS Exploration Projects

## FRANSISCO 1 MADERO

42.06 MT @ 19.17g/t Ag  
0.07% Cu and 2.06 Zn

## SAN NICHOLAS

102.56 MT @ 0.44g/t Au,  
25.72g/t Ag, 1.24% Cu and 1.60% Zn

## TIPAZA

10.22 MT @ 1.8g/t Au,  
217g/t Ag, 0.3% Cu and 5.6% Zn

## REY DE LA PLATA

17.75 MT @ 1.2g/t Au,  
128.8g/t Ag, 0.8% Cu and 3.5% Zn

## COMPO MORADO

31.5 MT @ 1.4g/t Au,  
105g/t Ag, 0.9% Cu and 3.7% Zn

## ZAACHILA

## RIQUEZA MARINA

## SANTA MARTA

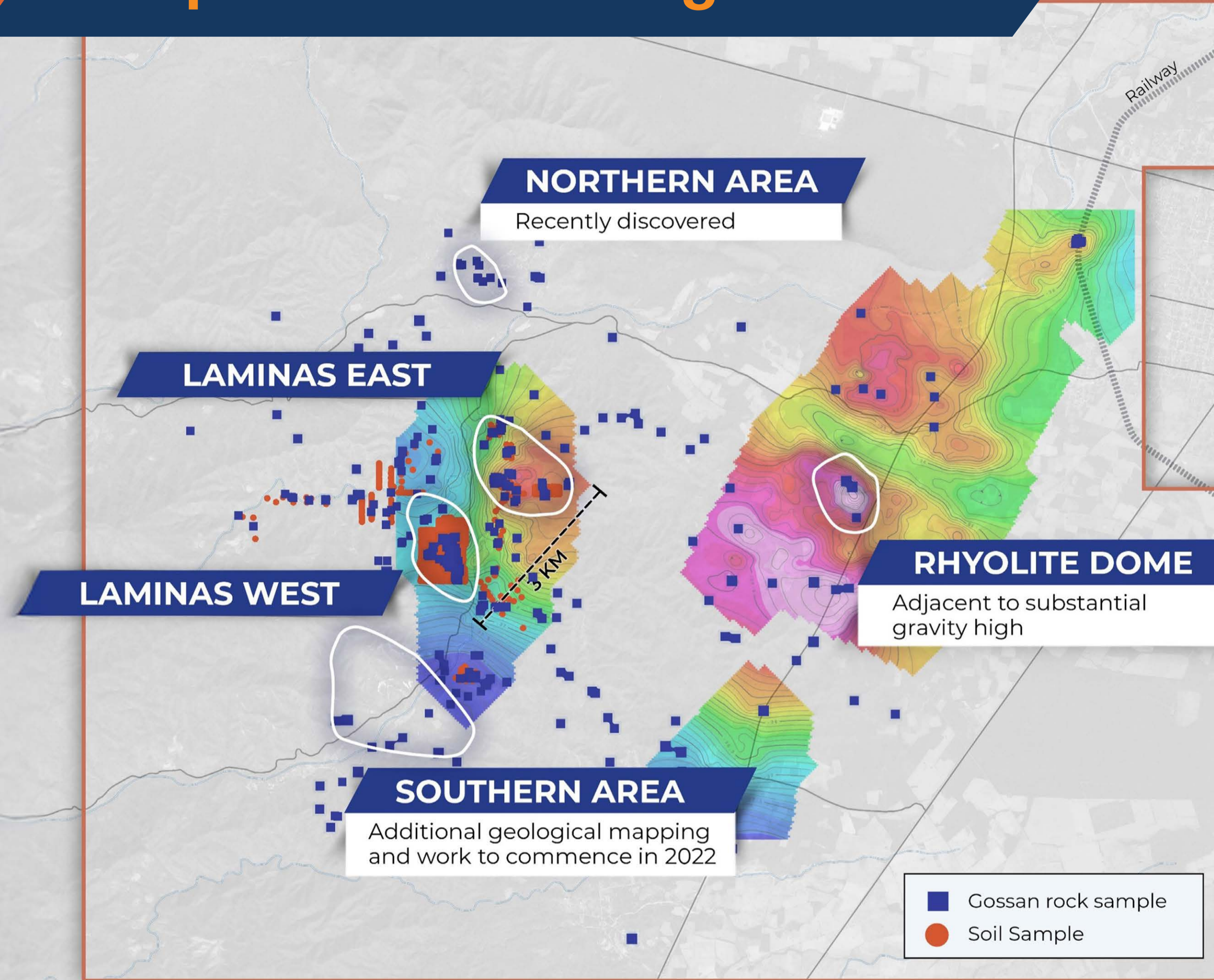
- ✓ Vortex Metals controls two of three high potential VMS exploration plays in the region.
- ✓ Renowned VMS expert, Jim Franklin has proposed that the geological setting is similar to the world class Noranda VMS Camp.
- ✓ Multiple high grade drill targets identified at each project supported by geology, geochemistry and geophysics.

PACIFIC OCEAN

MEXICO

- VMS Deposits
- Vortex Metals Early Exploration Ptojects
- Sierra Madre VMS Belt
- Oaxaca VMS Belt

# Riqueza Marina Target Areas



- ✓ Extensive outcrops and subcrops of high-grade mineralized (Cu-Au-Pb-Zn) gossan occur along a 3km strike length at priority West and East Gossan targets
- ✓ Multiple areas of high-grade (>0.5% Cu) surface mineralization
- ✓ Large Gravity Anomalies may represent buried massive sulfide horizons
- ✓ Substantial gravity high adjacent to a mineralized 'Rhyolite Dome'



# Copper Mineralization

## West and East Gossan Targets

### Project Samples to Date:

863	Rock Chip Samples
740	Soil samples (XRF analyses)
46	Stream sediment

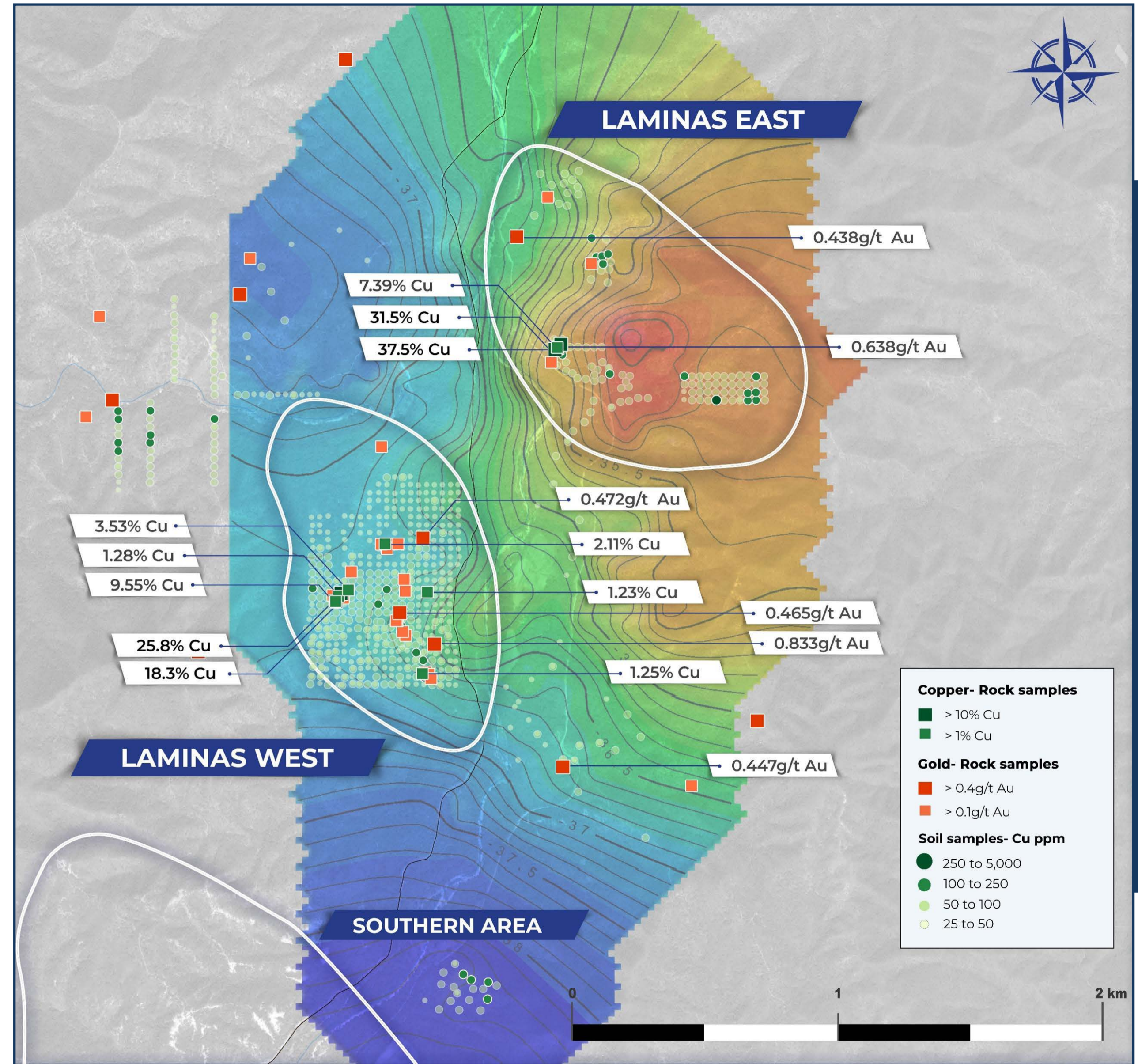
### COPPER

- 10 > 10% CU
- 26 > 1.0% CU
- 59 > 0.5% CU
- 97 > 0.2% CU

### GOLD

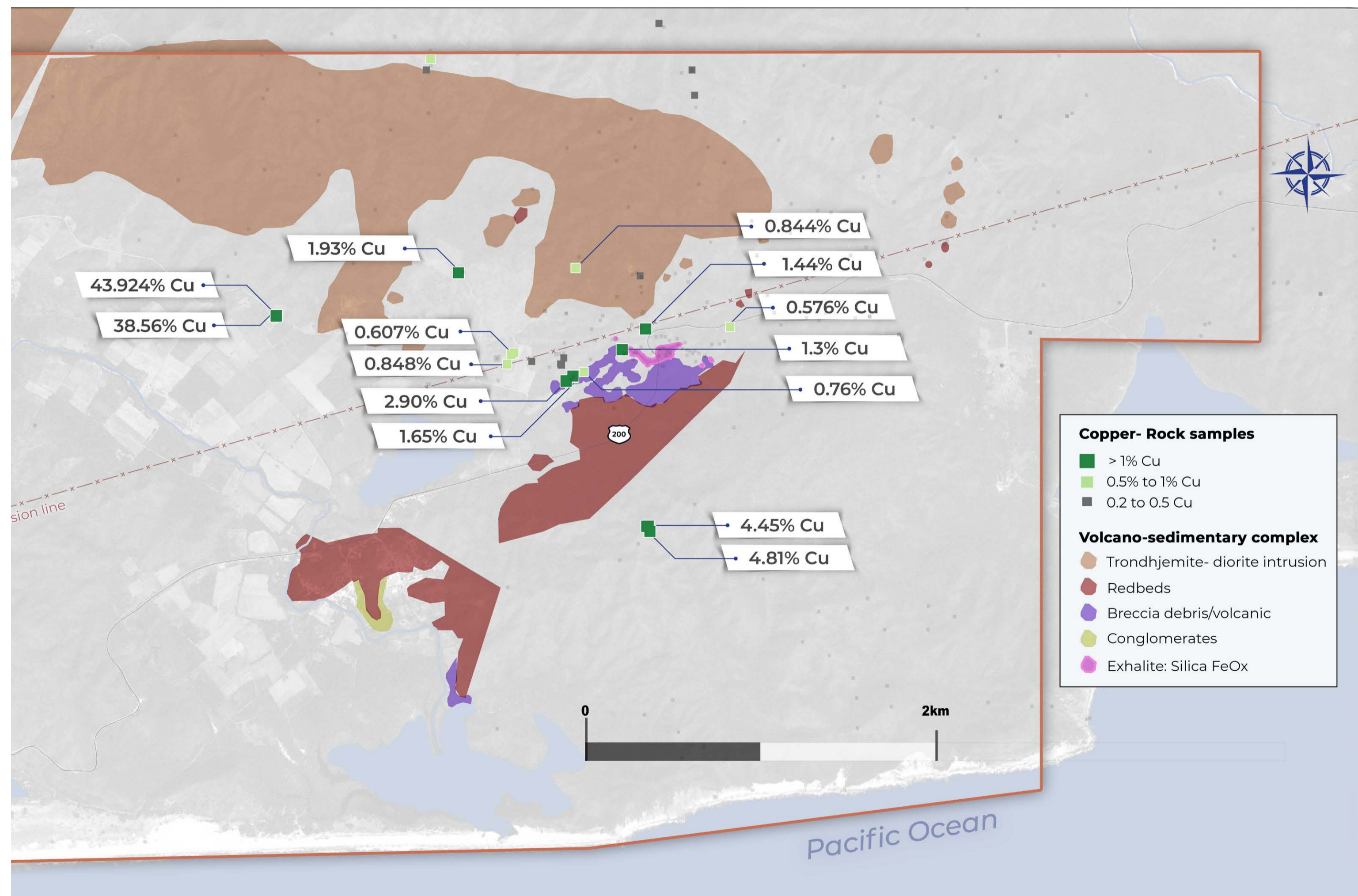
- 1 > 2.0 G/T AU
- 13 > 0.2 G/T AU
- 59 > 0.5% AU
- 17 > 0.1 G/T AU

All true gossan samples (n=229) are mineralized



# Zaachila Claim

- ✓ Rocks consist of Cretaceous meta-volcanic and sedimentary rocks which include pillow basalts, andesites, rhyolite tuffs/ /flows/domes, and an extensive silica exhalite horizon.
- ✓ The volcano-sedimentary complex is intruded by a large trondhjemite-diorite intrusion
- ✓ Surface copper mineralization occurs along a >5 km trend in stratigraphic horizons adjacent to trondhjemite complex
- ✓ The mineralized system is classified by Jim Franklin as ‘bimodal mafic’, similar to Noranda Camp (Canada) deposits, and large VMS deposits in Latin America, including Tambo Grande, San Nicholas, and Campo Morado.



# Proforma Capital Structure

TSX.V : VMS | FSE: DM8 | OTC: VMSSF

Total Shares Outstanding  
(Post Financing) **123,579,168**

Options **6,625,000**

Warrants **32,120,630**

Founders & Insiders  
(Key Affiliates) **30% Post Money**

## Significant Discovery Potential:

Multiple surface expressions of copper, several geophysical targets, and IOCG and gold-bearing vein systems for exploration on Illapel Copper Project.



**Have Questions?**  
Get in Touch With Us

**Vortex Metals Inc.**

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