



"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."

- Goldman Sachs

SCIENCE

EXECUTION

OPPORTUNITY



TSX.V: **VMS**



OTCQB: **VMSSF**



FRA: **DM8**

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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

The energy transition, EV adoption, and electrification are forecasted to create a structural copper deficit from 2025 onwards

Copper demand from solar, wind, EVs, batteries could reach 5.4Mt by 2030, 20% of current 28Mt annual demand

Sticky supply threatens to deplete copper stocks by mid-decade

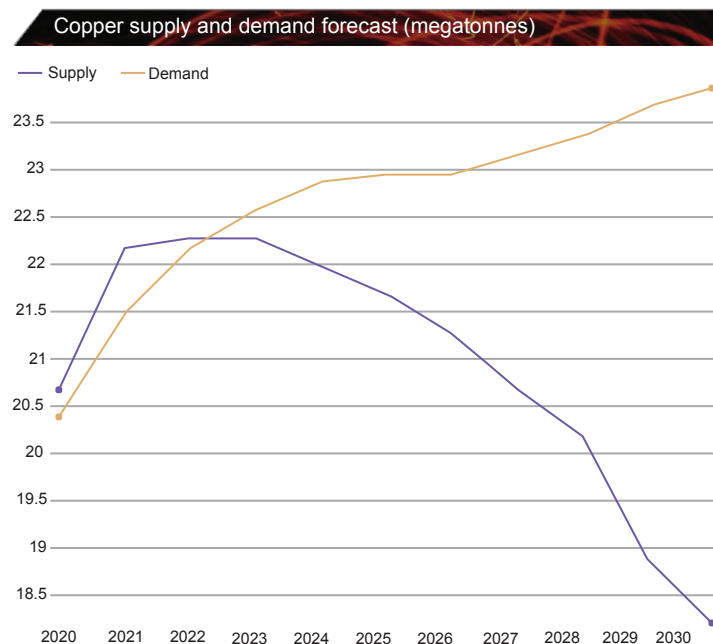
Lack off new Copper discoveries, a choke point for the energy transition: Out of the 228 copper deposits discovered between 1990-2021, only 5% in the last decade

S&P Global

“This combination of surging demand and sticky supply has reinforced current deficit conditions and foreshadows large open-ended deficits from mid-decade. We now estimate a long-term supply gap of 8.2Mt by 2030, twice the size of the gap that triggered the bull market in copper in the early 2000s.”

Goldman Sachs

Copper Demand Imbalance



Source: Citi, Evelyn Partners - Created with Datawrapper

THREE 5 STAR COPPER PROJECTS

Diverse Copper Exploration Portfolio: The inclusion of an emerging VMS belt project in Mexico and an advanced copper exploration project in Chile

Advanced Copper Project in Chile

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

In close proximity to the El Espino Mine - valued at approximately US\$380 million, expected to produce 26,000 mt/Cu and 13,000 oz/ Au¹

Access to paved roads, a power grid, and a water supply (224 km from capital city of Santiago de Chile)



Note: LOI signed, definitive agreement and all applicable regulatory approvals are pending to be completed, for the closing of the Illapele project

VMS Copper Project in Mexico

Emerging VMS belt, identified by the late D. Jones, a renowned geologist behind models leading to discoveries in the Guerrero Gold Belt in Mexico (e.g., Los Filos, 7.43M oz of Au, & 52.5M oz Ag)

Proximity to major infrastructure, including highway and deep sea port

Five high potential target areas have been identified on the basis of geology, geochemistry, and geophysics



1. Purocobre Copper Chile

PROFICIENT MANAGEMENT & BOARD

Management Team

VIKAS RANJAN

CO-FOUNDER, CEO & DIRECTOR

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

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

MICHAEL WILLIAMS

CO-FOUNDER, 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.

ROGER HE

CFO

Finance and accounting professional with 10+ years' experience in assurance, accounting, corporate finance, and capital markets.

Directors & Advisors

Dr. JIM FRANKLIN

LEAD TECHNICAL ADVISOR

Inductee to Canadian Mining Hall of Fame.

Distinguished geoscientist, pivotal in advancing Canada's mineral industry.

Developed exploration models for volcanogenic massive sulphide (VMS) deposits and researched "black smoker" systems.

ROBERT JOHANSING

LEAD 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.

Dr. JOHN LARSON

DIRECTOR

Executive with 42 years of international experience in exploration, mining, and resource development.

Held leadership roles in major mining companies, including 16 years with BHP Billiton.

Built diverse portfolio of base and precious metals projects in multiple countries, serving on boards of junior explorers.

ILLAPEL COPPER PROJECT, CHILE

Active workings at Farallón Sánchez, looking NW. District characterized by multiple veins striking generally N-S, lying west of the Manquegua fault, and mined for gold and copper.



Manto type Stratabound deposit



Drill ready: Eight high potential target areas have been identified on the basis of geology, geochemistry, and geophysics



In close proximity to the El Espino mine, valued at US\$380 million, with annual production projected to be 26,000 mt of copper and 13,000 oz of gold



Three mineral leases totaling 8,000 hectares

ILLAPEL COPPER PROJECT, CHILE

Proximity to El Espino: Receiving an estimated value of US \$380 million with annual expected production of 26,000 mt of fine copper and 13,000 oz of gold.¹

Advanced brownfield Copper project in Choapa Province of Chile

- ▼ Proximity to major infrastructure, exploration sites are easily accessed by road 223 km North of the capital city of Santiago de Chile
- ▼ Access to paved roads, a power grid, and a water supply

Permitted for exploration, rock sample grades show 1.39% Cu

- ▼ Regulatory Approvals in place for immediate project advancement
- ▼ Attractive copper, silver and gold grades enhancing economic viability

Vortex Metals will have a working interest on the remainder of the project with potential to expand the resource significantly

- ▼ Focus on exploration and discovery of a sizable and economical deposit

ROFR on Rio 27 Mine, with a current probable, indicated, and inferred resource of 6.2M tons source internal estimate (non 43-101 compliant)²

- ▼ Promising outlook for increased reserves and production capacity

1. Purocobre Website

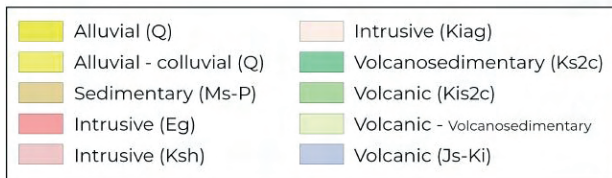
2. SCM Ventana Minerals Inc



EXPLORATION HIGHLIGHTS

Phase-1 drill targets identified

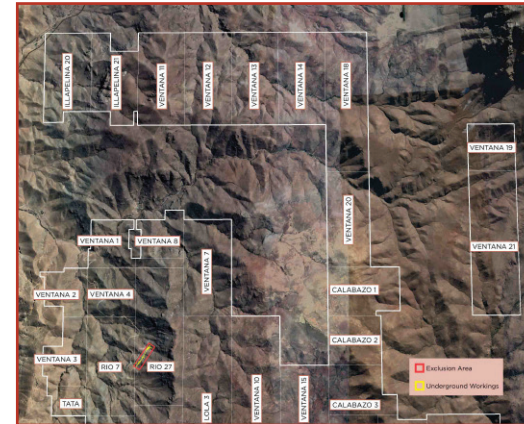
- ▼ Free of environmental issues
- ▼ 5 km from Central Transmission Line SIC
- ▼ Infrastructure, water access (30 minutes from Pan-American highway)
- ▼ Easy access to Water
- ▼ Low elevation: 1,500 m above sea level
“Working condition, all year round”



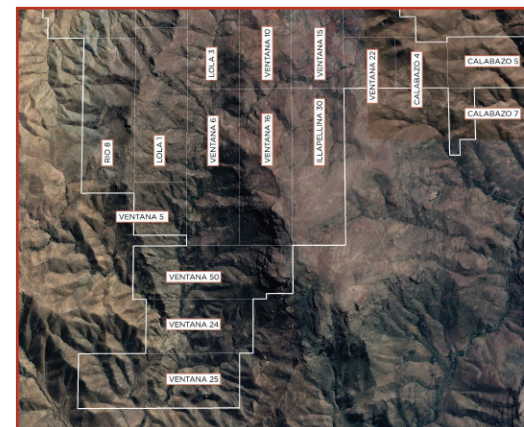
Copper mineralization at the Illapel project

ILLAPEL VISUALIZATION

Top Claims



Bottom Claims



PHASE-1 COPPER PROJECT

N10°E-Striking vein at Ventana IV in northern portion of the concession package. Vein contains chalcocite, CuCO_3 and CuOx . Where mineralization intersects impermeable volcanic rocks, it tends to form tight veins with little dissemination.



MEXICO VMS PROJECTS



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

PACIFIC OCEAN

USA

FRANCISCO I 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

CAMPO MORADO

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

ZAACHILA

RIQUEZA MARINA

SANTA MARTA

MEXICO

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.

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

PROJECT LOCATION MAP

Multiple High-Grade Drill Targets

Drill Permitting Underway

Access to infrastructure

Local Support

RIQUEZA MARINA

ZAACHILA

- Railway
- Transmission line
- Wind Farm
- Deep Water Port



RIQUEZA MARINA TARGET AREAS



NORTHERN AREA

Recently discovered

EAST GOSSAN

WEST GOSSAN

RHYOLITE DOME

Adjacent to substantial gravity high

SOUTHERN AREA

Additional geological mapping and work to commence in 2022

- Gossan rock sample
- Soil Sample

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

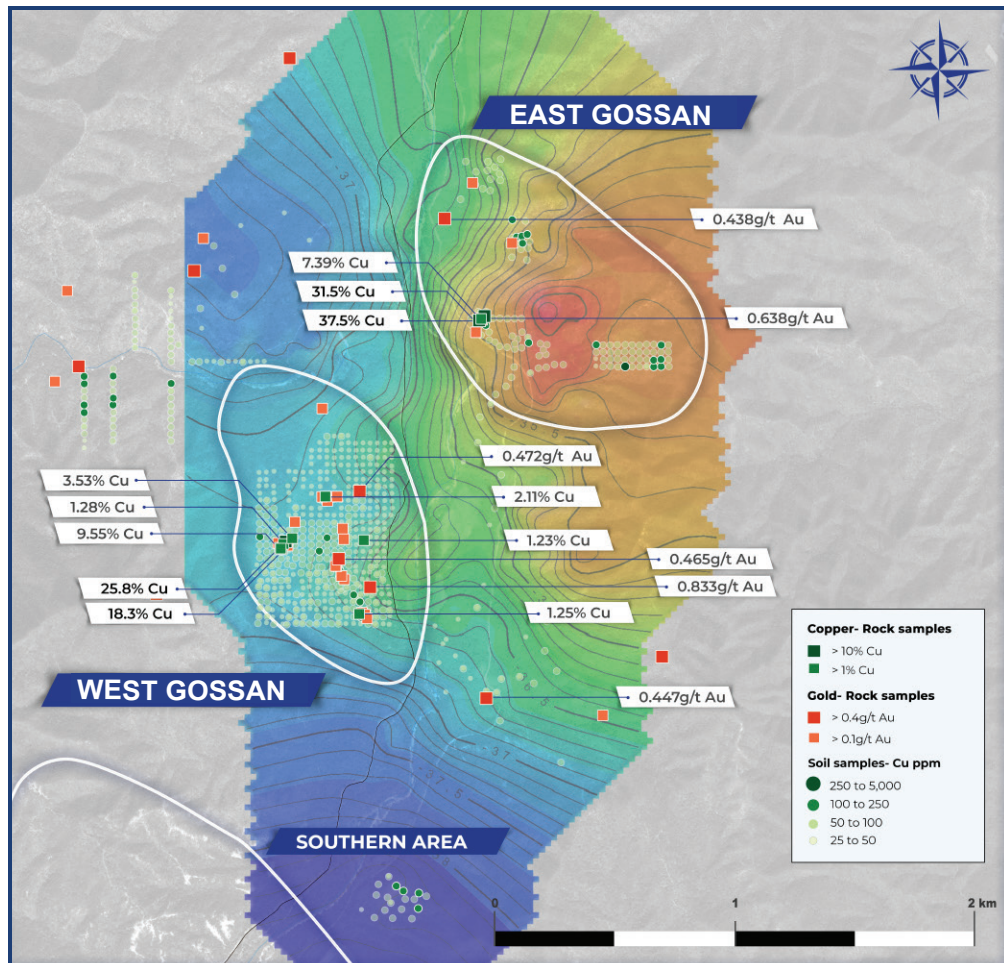
Project Samples to date:

- 863** Rock chip samples
- 740** Soil samples (XRF analyses)
- 46** Stream sediment

All true gossan samples
(n=229) are mineralized



COPPER	GOLD
10 (4.3%) > 10% Cu	1 (0.4%) > 2.0 g/t Au
26 (11.4%) > 1.0% Cu	13 (5.7%) > 0.2 g/t Au
59 (25.8%) > 0.5% Cu	17 (7.4%) > 0.1 g/t Au
97 (42.4%) > 0.2% Cu	



ZAACHILA CLAIM

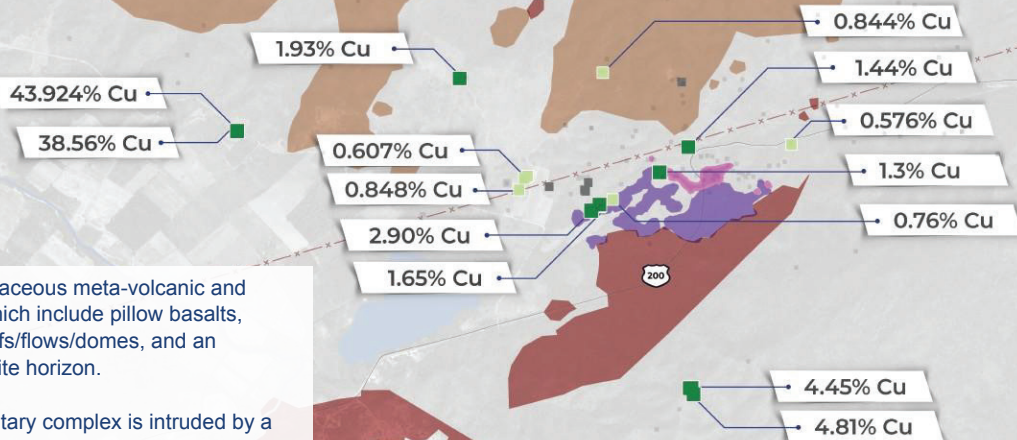
Target Area

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.



Copper- Rock samples

- > 1% Cu
- 0.5% to 1% Cu
- 0.2 to 0.5 Cu

Volcano-sedimentary complex

- Trondhjemite- diorite intrusion
- Redbeds
- Breccia debris/volcanic
- Conglomerates
- Exhalite: Silica FeOx

PRO FORMA CAPITAL STRUCTURE

Total Shares Outstanding
(Post Financing)

60,080,059

Warrants and options
(Exercise Price C\$0.20)

6,639,900

Founders & Insiders
Key Affiliates

Approx. 46% Post Money



FULFILLING THE LEGACY OF THE "MINE FINDER"

The story of Vortex Metals started with the vision of the late **David Jones**, a renowned geologist credited as spearheading the discovery of **7.43 million ounces of gold and 52.54 million ounces of silver** in what eventually became known as **Los Filos**, one of the **world's largest gold deposits** (now owned by Equinox Gold)

DAVID JONES THE "MINEFINDER"

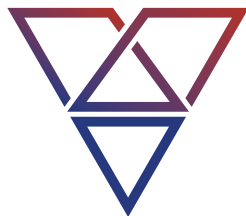
Jones was a recognized skarn expert and created the geological model responsible for multiple discoveries in what is now known as the 20-million-ounce Guerrero Gold Belt in Mexico, earning him the **moniker "mine finder"**.

Jones believed that both the Riqueza Marina- Zaachila (RQMZ) copper-gold projects, in Oaxaca, currently owned by **Vortex Metals** (TSXV:VMS), would be his next significant discovery and had personally curated five high-potential targets in his work toward discovering the next large mineralized system.



Science:

Best-in-class team of
geologist & technical expert



Execution:

Management team with over
\$100M exit track record

Opportunity:

3-world-class Copper
exploration projects



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