



**Metal**  
ENERGY

**METAL ENERGY**

**DEVELOPING HIGHLAND VALLEY'S NEXT MINE**

**Q1 2025**

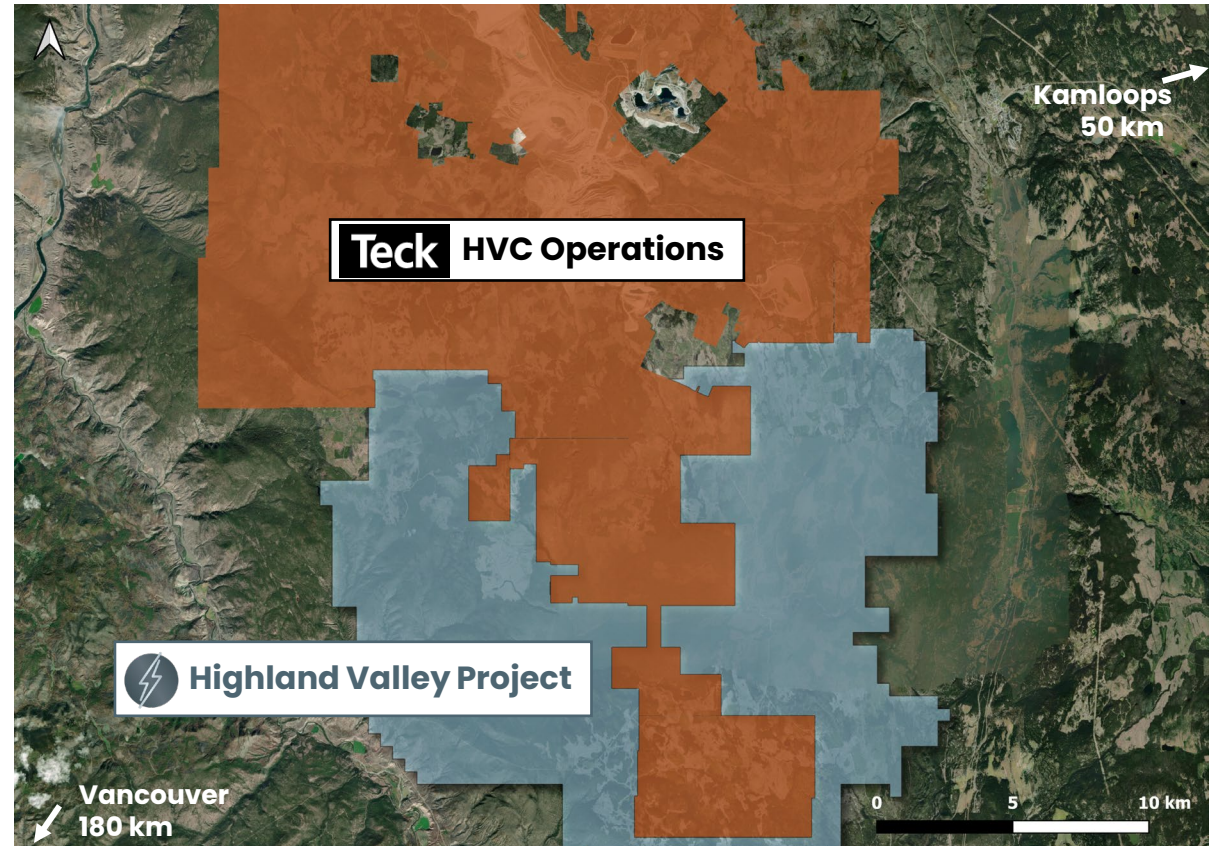
**MERG: TSXV | MEEEF:OTCQB**

## A COPPER FOCUS IN HIGHLAND VALLEY

- ▶ 100% ownership surrounding Teck's Highland Valley Copper Mine.
- ▶ Best district in B.C. – proven, elephant country adjacent to Canada's largest copper mine
- ▶ New Ideas into Old Districts: Development to utilize new geophysical ideas to make new discoveries and expand on current resources
- ▶ The right team: Charlie Greig and his team as geological advisers backed by Ore Group
- ▶ Strong insider support with Chairman owning ~20%. Massive re-rating opportunity.

# HIGHLAND VALLEY DISTRICT

- ▶ Very Large Land Package that surrounds Teck Resources' Highland Valley Copper Operations (HVC).
- ▶ 3-hour drive from Vancouver and 50km west of Kamloops.
- ▶ Extensive infrastructure in place, including easy road access, rail, powerlines.
- ▶ Project is permitted and drill-ready. Multiple deposits on strike with Teck's open pits.



# TECK'S HIGHLAND VALLEY COPPER OPERATIONS

- ▶ Largest open pit copper mining operation in Canada.
- ▶ +60 years of production from Bethlehem Copper, Sumitomo, Rio Algom, Highmont Mining and Teck
  - Consolidation of companies to eventually create Teck Resources' Highland Valley Copper (HVC).
- ▶ Huge Copper Endowment in the District  
**Global resource of 7.25 billion pounds copper.**  
Produced 54 Mlbs copper at 0.28% Cu grade in Q2/24.  
Produced 217.8 Mlbs copper at 0.30% Cu grade in 2023.  
**In production because of scale, not grade.**

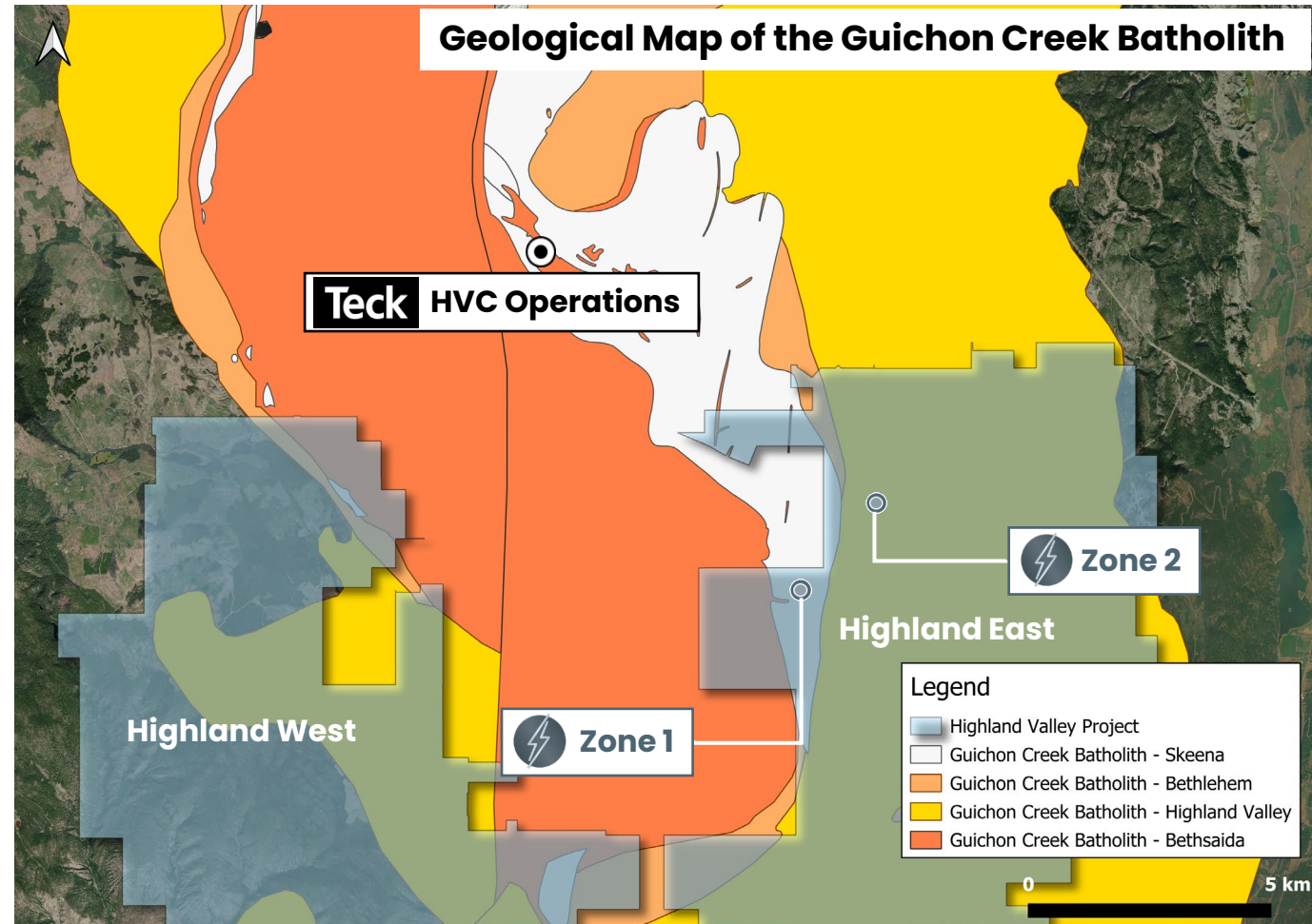


Image: Teck's Highland Valley Operations

# A MAJOR PORPHYRY COPPER DISTRICT WITH MULTIPLE ZONES

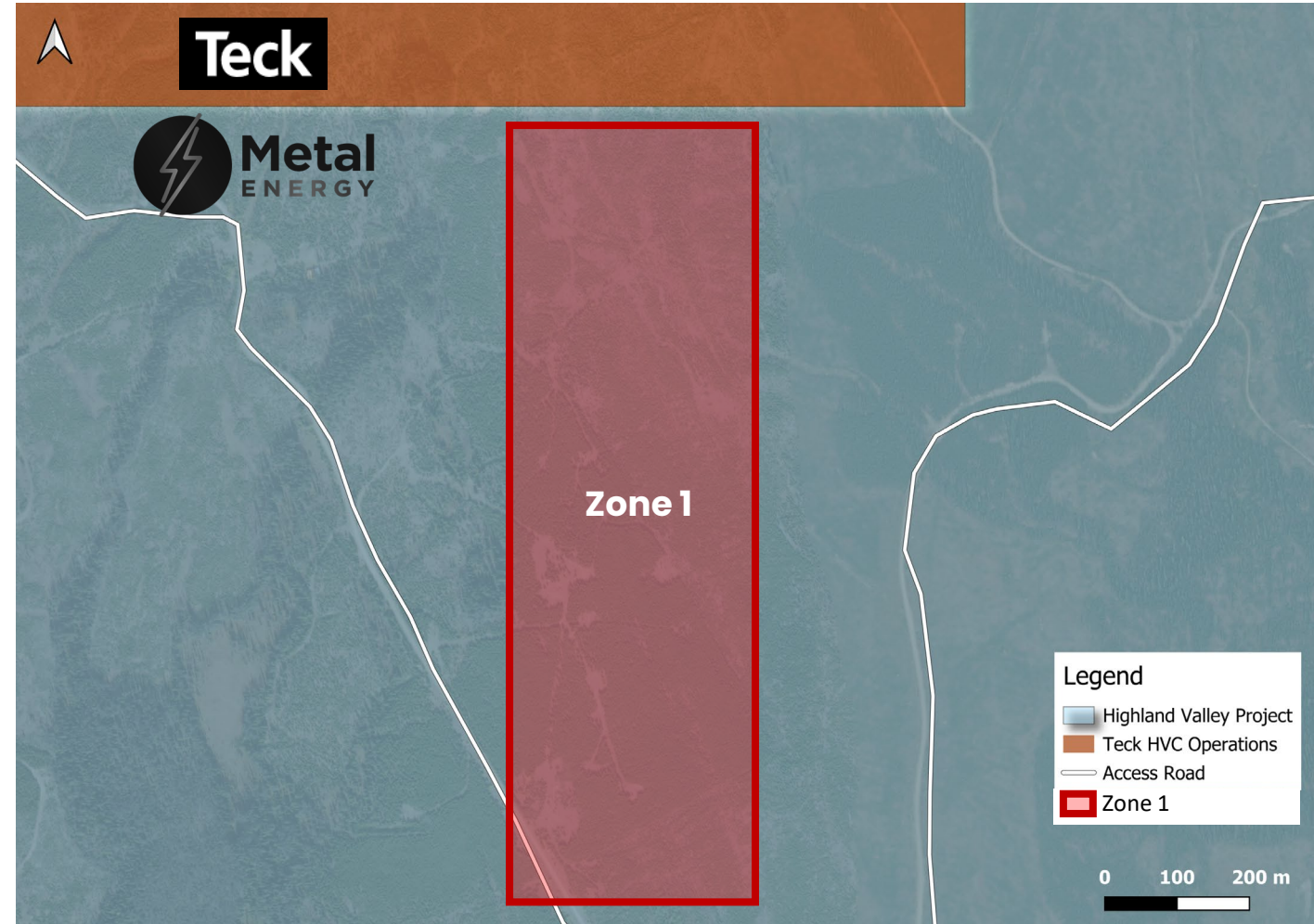
- ▶ Highland Valley mineralization within same host rocks as Teck's HVC open pits – Guichon Creek Batholith. Same rocks – compatible metallurgy.
- ▶ Multiple mineralized zones on strike with Teck's HVC open pits.
- ▶ Area has seen consistent discovery of numerous low-grade bulk tonnage pits over the past 60+ years, preceding Teck's HVC operations.

**Anticipate discovering more low-grade bulk tonnage deposits throughout the region.**



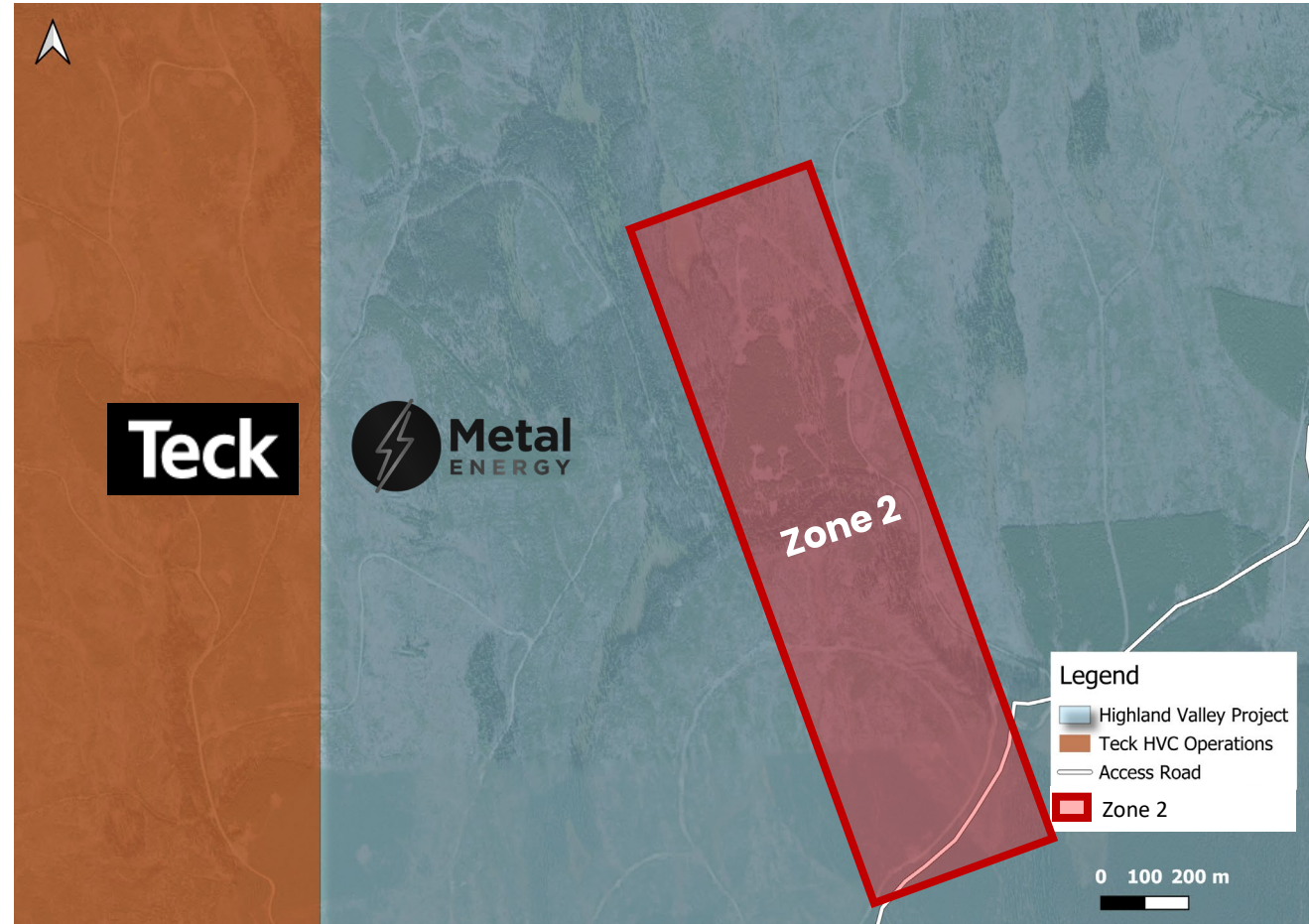
# ZONE 1: TYPICAL HIGHLAND VALLEY DEPOSIT

- ▶ On Strike to Teck's HVC:  
1,200m long x 50-150m wide x 350m deep, and remains open to the south and at depth.
- ▶ **Long mineralized intersections:**
  - 95 metres @ 0.67% Cu, 3.6 g/t Ag from 220 metres. (Hole R11-1)
  - 102.5 metres @ 0.43% Cu, 2.9 g/t Ag, within 242.5 metres @ 0.25% Cu, 1.6 g/t Ag from 197.5 metres. (Hole R11-11)
  - 100.0 metres @ 0.35% Cu, 2.2 g/t Ag from 177.5 metres (Hole R11-6)
  - 120 metres @ 0.34% Cu, within 253.7 metres @ 0.24% Cu from 8.8 metres. (Hole R10-12)
- ▶ Dominant chalcocite-bornite mineralization. Potentially proximal parallel zones.



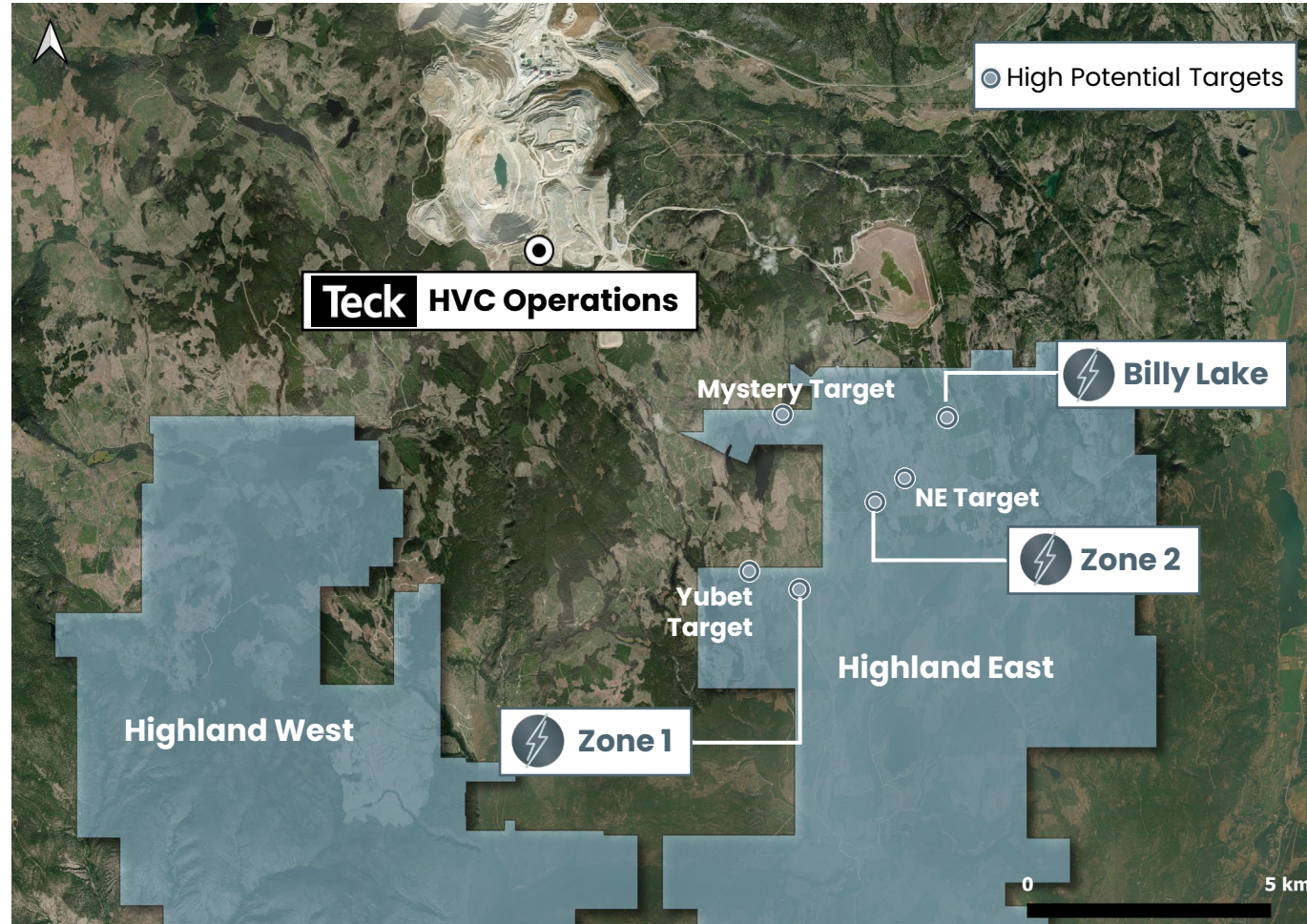
## ZONE 2: ENRICHED WITH GOLD & RHENIUM

- ▶ 1,000m long x 100m wide x 350m deep, and remains open to the northeast, northwest and at depth.
- ▶ **High-grade pockets within long intersections:**
  - 27.0 metres @ 1.05% Cu, 5.0 g/t Ag, 0.019% Mo, 0.24 g/t Au from 95.0 metres. (Hole R08-05)
  - 32.5 metres @ 0.91% Cu, 4.0 g/t Ag, 0.011% Mo, 0.12 g/t Au, 1.83 g/t Re from 182.5 metres. (Hole R12-02)
  - 5.0 metres @ 4.41% Cu, 20.0 g/t Ag, 0.031% Mo, 0.20 g/t Au, 6.86 g/t Re from 221.5 metres. (Hole R17-02)
  - 6.4 metres @ 1.65% Cu, 9.4 g/t Ag, 0.017% Mo, 0.03 g/t Au, 5.20 g/t Re from 221.6 metres. (Hole R08-01)
- ▶ Bornite and chalcocite mineralization and anomalous gold mineralization unique for Highland Valley.
- ▶ Significant Rhenium enrichment that will report to Molybdenum concentrate.



# OTHER HIGH POTENTIAL TARGETS

- ▶ Billy Lake (Priority Target):
  - 3500m x 1000m large copper in soil anomaly.
  - Numerous outcrops with copper suggests anomaly is in-situ.
  - 1.45% Cu, 0.17 g/t Au sample from outcrop.
  
- ▶ Mystery Target:
  - 2km trend of Cu/Mo soil anomaly
  - Skeena, Bethlehem phases of Guichon Creek batholith.
  - Historical core (partially sampled): 3m of 1.36% Cu, 12m @ 0.27% Cu
  
- ▶ NE Target:
  - 500m trend of Cu/Mo soil anomaly.
  
- ▶ West Zone remains largely unexplored.





## NEXT STEPS

- ▶ **By Year End 2024:** Complete AMT geophysical Survey.
  - Geophysical coverage of highly prospective area along trend from Teck's HVC.
  - Host rocks do not respond well to IP survey – produce very subtle anomalies.
  - Novel technology for the Highland Valley district and effective in delineating porphyry system footprints of the district.
  - Passive seismic and hyperspectral studies to vector towards new targets.
  
- ▶ **2025:** Drill test targets and large scale, systematic program to define extent of mineralization at zones.
  
- ▶ **2026:** Establish a high-quality maiden resource estimate on the Highland Valley Project.

# CORPORATE OVERVIEW

## Corporate Overview

<b>TSX Venture / OTC Markets</b>	<b>MERG: TSXV   MEEED: OTCQB</b>
<b>Shares Outstanding</b>	<b>141.3 M</b>
<b>Warrants and Options</b>	<b>~27.1 M*</b>
<b>Basic Market Capitalization (CAD)</b>	<b>~\$4.2 M</b>
<b>Share Price (2025/01/03) (CAD)</b>	<b>\$0.04</b>
<b>Cash In Treasury (CAD)</b>	<b>~\$1.5 M*</b>

\*Post December 2024 Financing

## Board & Management

<b>James Sykes</b>	<b>CEO</b>
<b>Stephen Stewart</b>	<b>Chairman</b>
<b>Charles Beaudry</b>	<b>Director</b>
<b>Alexander Stewart</b>	<b>Director</b>
<b>Mike Sweeny</b>	<b>Technical Advisor</b>
<b>Joel Friedman</b>	<b>CFO</b>

## Share Price MERG:TSXV | MEEEF:OTCQB



# BOARD & MANAGEMENT



**James Sykes**  
**CEO**

- 15 years of experience in exploration and discovery
- President & CEO Baselode Energy
- Directly and indirectly involved with the discovery of over 550M lbs of Uranium in the Athabasca Basin



**Joel Friedman**  
**CFO**

- Over 13 years experience in the Mining and Cannabis industries
- Most recently as CFO of Khiron Life Sciences Corp.
- Holds CPA, CA, and Honours Bachelor of Business Administration



**Stephen Stewart**  
**Chairman**

- 15 years of experience in the resource and finance industries
- Focused on the M&A, exploration and development of resource assets
- Held senior offices with numerous TSX Venture companies



**Alexander Stewart**  
**Director**

- Over 40 years of experience in the practice of securities law and natural resource investment
- In the past he was the founder behind a number of mining projects including the Côté Lake Project and the Eagle One deposit



**Charles Beaudry**  
**Director**

- Geologist with more than 35 years of experience across the globe
- 17 years with Noranda-Falconbridge-Xstrata
- A tenure with IAMGOLD as General Manager of New Business Opportunities.



**Mike Sweeny**  
**Technical Advisor**

- Geologist with over 30 years of experience and strong focus on NI-Cu-PGE
- Previously held Senior Geologist roles with Falconbridge-Xstrata-Glencore

# Metal Energy : Part of



Ore Group consists of in-house technical and financial expertise & is focused on premier jurisdictions & on metals with strong, long-term fundamentals



## METAL ENERGY MERG: TSXV

Nickel, lithium exploration, discovery & development



## BASELODE ENERGY FIND: TSXV

High-grade near surface uranium in Saskatchewan



## MISTANGO RIVER MIS: CSE

Copper & Gold in Ontario & Quebec. Strategic investors incl. Agnico Eagle & Eric Sprott



## AMERICAN EAGLE GOLD AE: TSXV

British Columbia focused Copper & Gold exploration



## ORECAP OCI: TSXV

Strategic investors incl. Agnico Eagle & Eric Sprott

## AWALE ARIC: TSXV

Newmont-backed, Odienne IOCG Project in Cote d'Ivoire, Africa



## XXIX Metal Corp XXIX: TSXV

Canada's highest grade copper open pit deposit & Ontario's largest open pit copper resource.

# FORWARD LOOKING STATEMENTS



## **WE ARE IN THE MINERAL EXPLORATION AND DEVELOPMENT BUSINESS. IT IS INHERENTLY RISKY, AND ALL INVESTORS SHOULD BE KEENLY AWARE OF THIS**

This presentation contains forward-looking statements. All statements, other than of historical fact, that address activities, events or developments that Metal Energy Inc. believes, expects or anticipates will or may occur in the future (including, without limitation, statements regarding the estimation of mineral resources, exploration results, potential mineralization, potential mineral resources and mineral reserves) are forward-looking statements. Forward-looking statements are generally identifiable by use of the words "may", "will", "should", "continue", "expect", "anticipate", "estimate", "believe", "intend", "plan" or "project" or the negative of these words or other variations on these words or comparable terminology. Forward-looking statements are subject to a number of risks and uncertainties, many of which are beyond Metal Energy Inc.'s ability to control or predict, that may cause the actual results of the project to differ materially from those discussed in the forward-looking statements. Factors that could cause actual results or events to differ materially from current expectations include, among other things, without limitation, failure to establish estimated mineral resources, the possibility that future exploration results will not be consistent with Metal Energy Inc.'s expectations, changes in world commodity markets and other risks disclosed to the Canadian provincial securities regulatory authorities. Any forward-looking statement speaks only as of the date on which it is made and, except as may be required by applicable securities laws, Metal Energy Inc. disclaims any intent or obligation to update any forward-looking statement.

## **CAUTIONARY STATEMENT REGARDING HISTORICAL RESOURCES**

The reader is cautioned that Metal Energy Inc. has not undertaken any independent investigation of the dimensions, quantity or grade of the mineralization referred to above, therefore this historical data should not be relied upon. Metal Energy Inc. views this historical data as a conceptual indication of the potential size and grade of deposits in the area, and this data is relevant to ongoing exploration efforts. In view of when the resources were estimated and the differences in metal price and operating costs prevailing at the time compared to today.

Metal Energy Inc. does not consider the resources to be compliant with respect to requirements of NI43-101. Metal Energy Inc. does not treat any of the historical resources as current mineral resources or mineral reserves.

The technical information contained in this Metal Energy Inc. Presentation has been reviewed and approved by Mike Sweeny, P.Geo, Technical Advisor of Metal Energy Inc., who is a Qualified Person as defined in "National Instrument 43-101, Standards of Disclosure for Mineral Projects." All currency numbers are in \$CAD unless otherwise stated.

\*Note on Conceptual Exploration Targets: The potential tonnage and grade of these targets are conceptual in nature. There has been insufficient exploration to define them as mineral resources and it is uncertain if further exploration will result in the targets being delineated as mineral resources. Metal Energy Inc only considers these targets to be an indication of the presence of mineralization on the property and of the potential of property to host an economic deposit at this time. Metal Energy Inc advises that no one should consider these targets as mineral resources.



**Stephen Stewart**

**Chair - Metal Energy**

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