

# Advancing America's Newest Porphyry Copper Belt

**50** 2024

MARCH 2025

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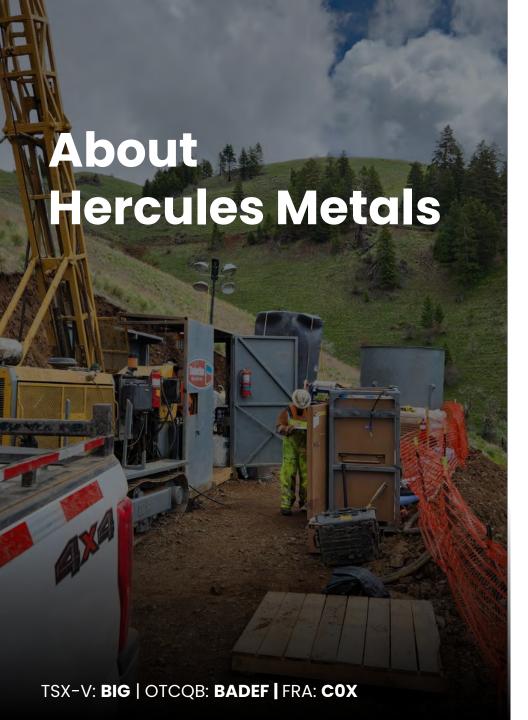
This presentation includes technical information that was generated prior to the introduction of NI 43-101. Details of the sampling methods, security, assaying, and quality control methods used in the generation of this historical technical data are unknown to Hercules Metals, and the drill material, assay results, true width of intercepts herein cannot be, and have not been verified by Mr. Longton for the purposes of NI 43-101, and should not be relied upon. To the best of his knowledge, the technical information pertaining to the Hercules Project and discussion of it as disclosed in this presentation is neither inaccurate or misleading.

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Located in Idaho with Surface Mining Rights

100% owned project with no permitting challenges.



**Rich silver exploration history** with small-scale production, followed by extensive shallow drilling from 1965–1984.



Porphyry copper discovery in 2023 intersected

185m of 0.84% Cu, 111 ppm Mo and 2.6 g/t Ag.



**Continued drilling** in search of the potential high-grade core.

## Snapshot

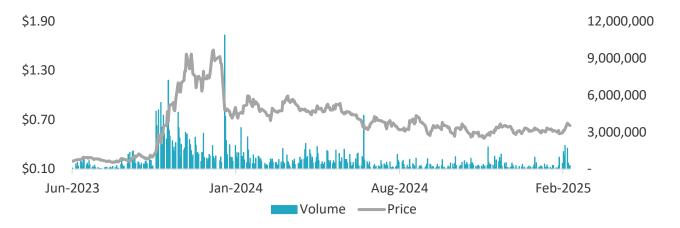
## Capital Structure<sup>1</sup>

Issued and Outstanding Shares	253.4 M
Options	5.0 M
Warrants <sup>2</sup>	14.5 M
RSUs	2.9 M
Fully Diluted	275.8 M
Share Price	\$0.64
Market Capitalization	\$162.2 M
Average Volume <sup>3</sup>	504 K
Cash <sup>4</sup>	\$14.8 M

- 1. As of February 27, 2025
- 2. Includes \$0.20 and \$0.30 warrants expiring April 20, 2025, and \$1.32 expiring November 7, 2025
- 3. ADTV between February 27, 2024 February 27, 2025
- 4. Based on public disclosure as of September 30, 2024



#### **Share Performance**



### **Significant Shareholders**



### **Analyst Coverage**



## HERCULES METALS CORP

### Our Team

#### Track record of multiple high-impact discoveries

#### **■ CEO & DIRECTOR**

#### **Chris Paul**

BSc. Geology

#### Expertise

Founder of Ridgeline Exploration, Acquired by Goldspot Discoveries in 2021 and subsequently acquired by ALS Global in 2022. 15 years of high-grade gold and copper-gold discovery experience.

#### **Previous Roles**

Discovered Williams Cu-Au porphyry in Golden Triangle for Golden Ridge Resources in 2018, now under option to Kingfisher Resources.

#### DIRECTOR

#### **Nick Tintor**

BSc Geology

#### Expertise

Professional geologist and mining executive with +35 years of experience in project generation, acquisition, exploration and mine development across the Americas and Africa.

#### Previous Roles

Anaconda Mining, Moto Goldmines and Toachi Mining

#### STRATEGIC TECHNICAL ADVISOR

#### **Charlie Greig**

B MSc, Geology

#### **Expertise**

Recognized for discovery of the Saddle North porphyry for GT Gold Corp, acquired by Newmont Corporation in 2021. The discovery earned him the Prospectors and Developers Association of Canada's (PDAC) Bill Dennis Award in 2022.

#### Previous Roles

Saddle North (Discoverer) and Brucejack in British Columbia, La India and Alamo Dorado in Mexico, Bisha and Emba Derho in Eritrea, and Wolverine in Yukon.

#### DIRECTOR

#### **Kelly Malcolm**

BSc Geology & BA Economics

#### Expertise

Professional Geologist with extensive experience in precious metals exploration and development.

Involved in the discovery and delineation of Detour Gold's high grade 58N gold deposit and current CEO of Borealis Mining.

#### Previous Roles

Amex Exploration, Detour Gold

#### TECHNICAL ADVISOR

#### Dr Tom Henricksen

PhD, Geology

#### **Expertise**

2018 Colin Spence Award for Excellence in Global Mineral Exploration and involvement in numerous monumental discoveries, including both the Hod Maden and Ergama deposits in Turkey, the Rock Lake copper deposit in Montana, the Corani, Ollachea, Constancia and Zafranal deposits in Peru, and numerous others.

#### **Previous Roles**

Coeur Mining, Inca One, New Energy Metals, Midas Gold, Aegean Metals, Mariana Resources, Norsemont Mining, Rio Tinto, Silver Standard, ASARCO, Kennecott.

#### DIRECTOR

#### **Peter Simeon**

BA, LLB

#### Expertise

Partner at Gowling WLG with +18 years legal experience in corporate finance, M&A and public listings (RTOs & IPOs). Current partner at Gowling WLG.

#### Previous Roles

Previously with Wildeboer Dellcelce and Osler.

#### CFO

#### Keith Li

B Comm, CPA, CA

#### **Expertise**

CPA, CA with +15 years of corporate accounting, finance and financial reporting experience. Specializes in management advisory services, accounting and regulatory compliance services. Bachelor of Commerce degree from McGill University.

#### Previous Roles

Sears Canada, Snow Lake Lithium, Corcel Exploration, Universal PropTech, Psyched Wellness, Quinsam Capital, Pharmadrug

## Idaho Advantage



#### **History of Mining**

Long established mining history with streamlined permitting process for projects on state and private land, such as Hercules.



#### **Low Geopolitical Risk**

Low geopolitical risk with a conservative and pro-resource congressional delegation, governor and state legislature.



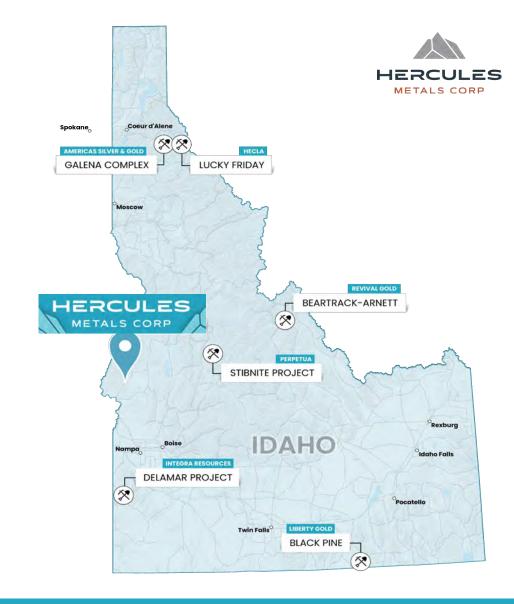
#### **Infrastructure Support**

High-voltage transmission lines and state highway running across the Property. Supportive local workforce within a 30-minute drive. 2 hours from city of Boise.



#### **Low Energy Cost**

3 hydroelectric dams provide remarkably low-cost clean energy at 10.35¢ / kWh\*, the lowest electrical cost in the country. The three high-voltage transmission lines run directly across the Property.



Mining played a role in Idaho before it was even a state. In 1891, the Great Seal of Idaho was adopted by legislature, commemorating the mill where silver was mined from Hercules's Belmont Zone.



<sup>\*</sup>Source: How Much Does Electricity Cost in 2023? | EnergySage

## Responsible **Exploration**

Hercules Metals seeks to build a positive legacy by delivering value to the community both during and after its operating life in Idaho and by building close ties with the community, government and all its stakeholders.



#### **Engagement**

Hercules hosts town hall meetings to educate members of the community on the process of mineral exploration and provide an update on work and future exploration plans.



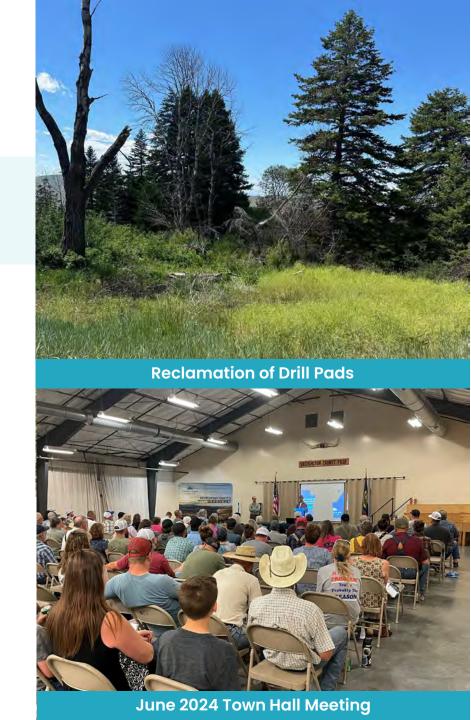
#### **Investments**

Hercules local investments include purchases of food, fuel, signage, automative, construction services and supplies. The Company aims to hire local with 18 of its 27 employees from Idaho and has made donations to 26 local organizations.



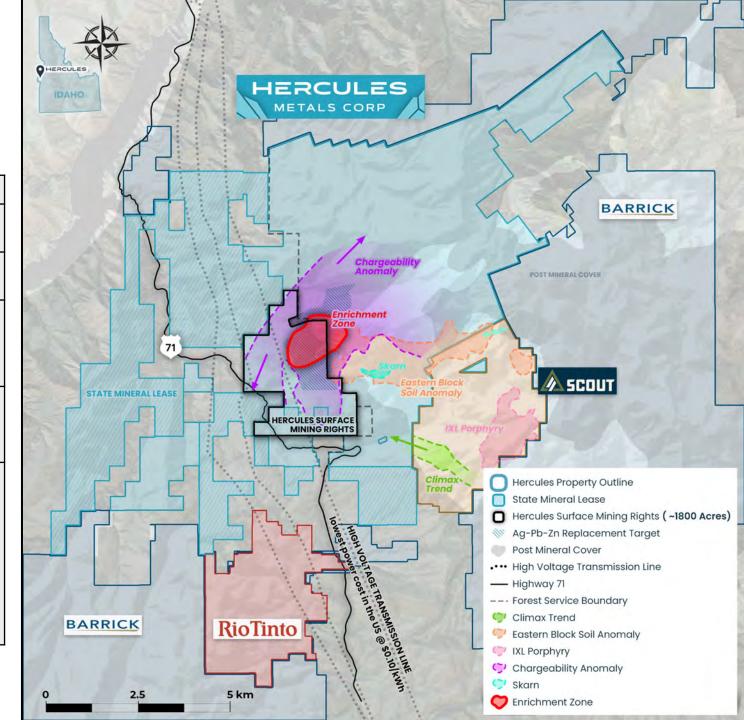
#### **Concurrent Reclamation**

During the exploration phase of the project, Hercules aims to minimize the overall disturbance caused by its exploration activities. The Company's drilling campaigns are backed by ongoing reclamation, aimed at supporting the natural wildlife habitat.



## **Hercules Property Positioned to Operate**

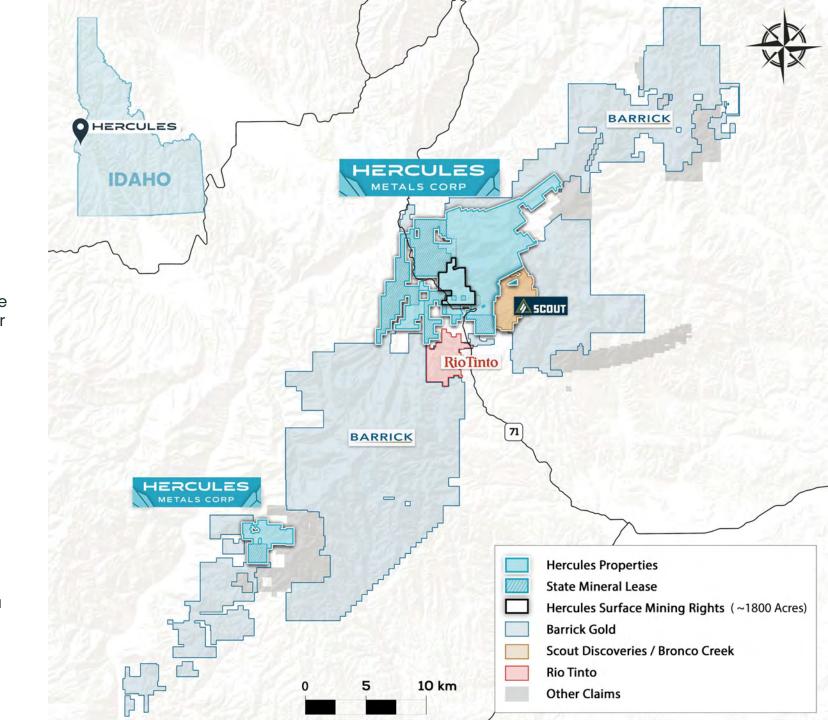
LOCATION	Cambridge, Idaho
OWNERSHIP	<ul><li>100% owned through US subsidiary</li><li>NSR buyable down to 1% for \$1M CAD</li></ul>
MINERAL RIGHTS	24,276 acres of private, state and federal mineral rights
SURFACE MINING RIGHTS	<ul> <li>~1,800 acres with surface mining rights (black outline).</li> <li>~7,700 acre state lease to explore, develop and mine (blue hashed lines)</li> </ul>
ACCESS	<ul> <li>2.5 hours from Boise Intl. Airport</li> <li>County highway through Property</li> <li>Road access to all drilling sites</li> </ul>
POWER	<ul> <li>Prime position for power supply. &lt;6 miles from Hells Canyon Hydroelectric dams, supplying 1200 MW of clean electricity directly across the Property through three 260 kV transmission lines (see map).</li> <li>Hercules would be the first major consumer along the line, reducing transmission loss.</li> <li>Highly competitive industrial rates, among the lowest cost in America @ ~\$0.08/kWh</li> </ul>



## Hercules District

### **2023-2024 Staking Rush**

- Western North America's prolific porphyry copper belt theoretically trends directly through western Idaho. Hercules generated evidence supporting this theory which it drill tested in 2023 resulting in the discovery of the large Leviathan porphyry system. The discovery is significant not only for the Leviathan, but for an entirely new porphyry copper district within one of the most favourable jurisdictions in the world.
- Largest staking rush in Idaho's history –
  Following the discovery in October 2023, Barrick,
  Rio Tinto and others rushed in and competed to
  stake over 80-kilometers of similar geology along
  trend of the Company's discovery, demonstrating
  the scale and significance of Hercules large
  porphyry discovery.
- Advantage over the Competition Hercules is using cutting-edge technology and a large team of highly experienced geologists with proprietary knowledge of Leviathan-type porphyries to gain a major edge over the competition and be the first to announce the next major discovery hole.



## Hercules History

#### **THEN**

#### 1880 - 1920: Historical mining

• Historical production at the Belmont and other old mines

#### LATE 1970s - EARLY 1980s - 308 drill holes

 Strong silver prices and aggressive drilling in 308 drill holes defines broad zones of silver in the Hercules Rhyolite

#### 1983 – 1984 – Feasibility/Silver Price Collapse

• Silver price collapses, project is orphaned in the late 1980's.







#### 2021: Hercules Metals Acquires Project

#### 2022: Phase I Exploration

- · Compiled and digitized all historical data
- Generated new 3D model
- Soil sampling
- · Geological mapping
- · Rock chip sampling
- Drone magnetic survey
- 3D IP Survey
- 9-hole shallow RC drill program for silver

#### 2023: Phase II Exploration

• 6,000m Phase II deep drilling program

#### **BLIND DISCOVERY OF LEVIATHAN PORPHYRY**

~\$25m investment from Barrick Gold

#### 2024: Phase III Exploration

• Phase III deep drilling program

## HERCULES METALS CORP

## Hercules SOIL SAMPLING - Copper

- Multi kilometer copper-in-soil anomaly up to 3,175 ppm
   Cu, 30 ppm Mo and 663 ppb Au in soil revealed in 2022
- Associated with altered volcanics and limestone host rocks at surface
- The high-grade Big Cut Skarn grades up to 21% copper,
   4.5 g/t gold and 1,085 g/t silver, and remains to be tested
- Extensive drill testing planned for early 2025

#### LARGE SURFACE ANOMALY TO BE TESTED IN 2025

Select grab samples\* grading up to 21% copper, 4.5 g/t gold and 1,085 g/t silver

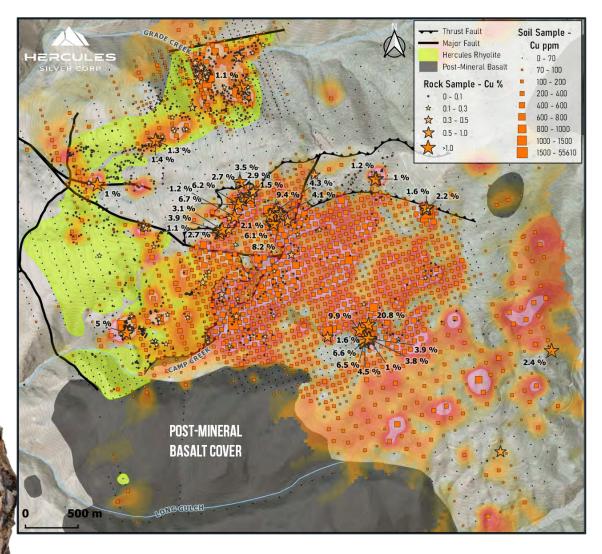
Additional 2 km of mineralization at surface to the east

Circular anomaly trends under post-mineral basalt cover to the southeast.

High-grade Copper

Skarn - 21% copper

Hydrothermal Breccia with epithermal quartz textures – 1.2 g/t Au

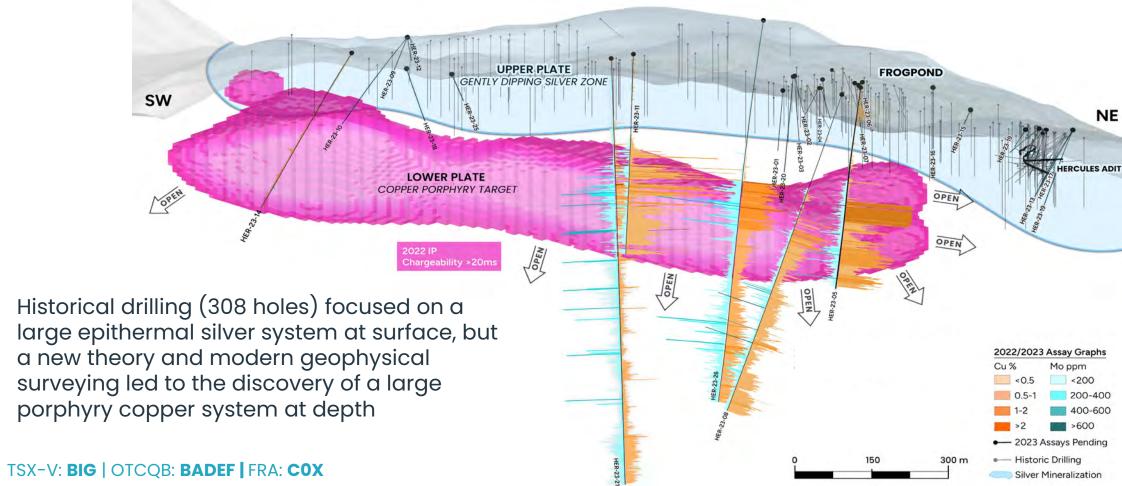


\*The reader is cautioned that rock grab samples and their respective photographs are selective by nature and may not represent the true grade or style of mineralization across the Property



## Concealed Copper System Below Large Epithermal System at Surface

Initial 3D IP survey revealed a 1.8km chargeability anomaly below historical drilling

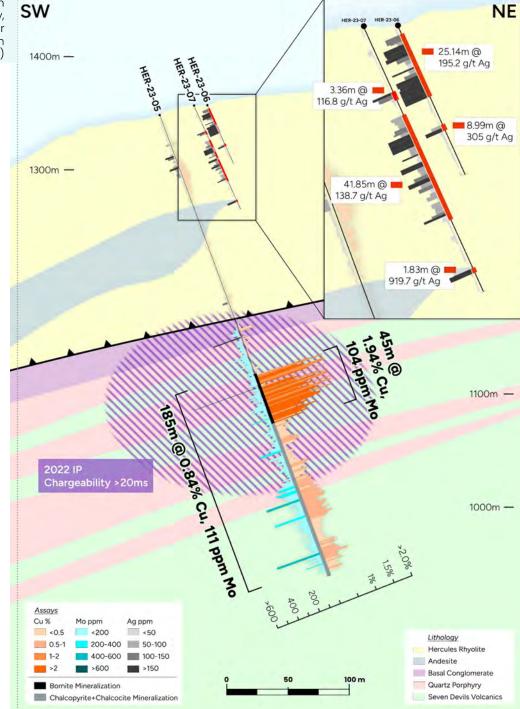


HER-23-05 cross-section with interpreted geology, grade bars for copper (orange), molybdenum (blue), and silver (grey)

## Leviathan Discovery

A rare new porphyry copper discovery in the U.S.

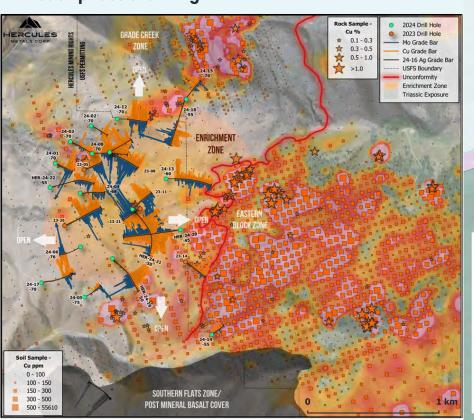
- First drill hole HER 23-05 intersected 0.84% Cu, 111
   ppm Mo, 2.6 g/t Ag over 185m, including 45m of 1.94% Cu
- Attracted >\$25M investment from Barrick Gold
- Subsequent drilling has grown the system to over 1.6 x 1.3 km.
- Upcoming catalysts for 2025:
  - 1. Expanding the new Eastern Block Zone discovery, with **mineralization less than 70m from surface** in HER-24-20
  - 2. Vectoring in on the **high-grade potassic** center, which still remains to be discovered

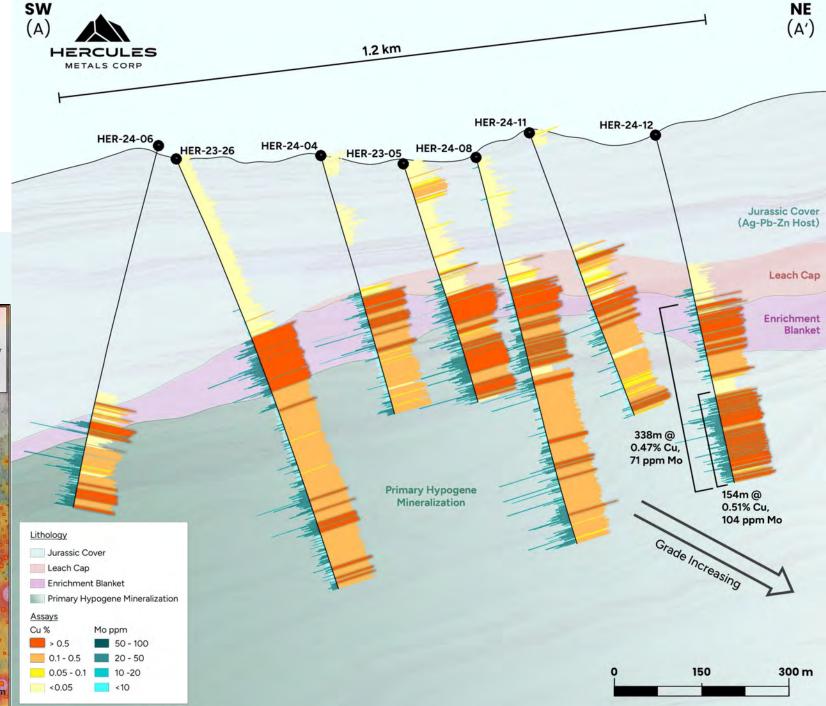


## Growing Scale Increasing Value

Drilling continues to increase the scale and grade of the system, increasing value for shareholders

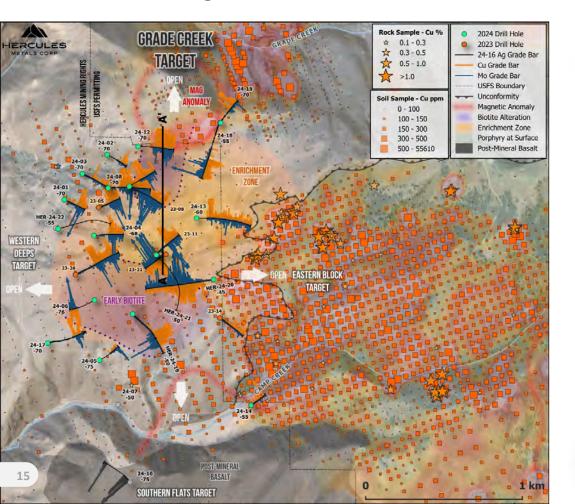
Large step-out drilling has defined a 1.3km x 1.6km system which continues to grow with each phase of drilling



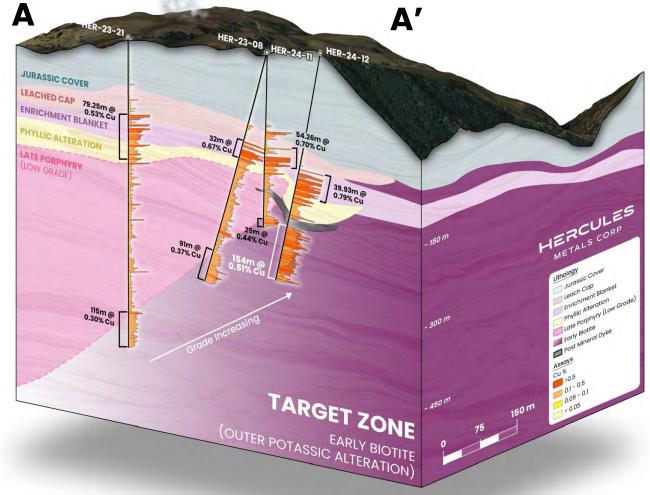


## Grade Creek Zone High-Grade Target

Trend of **increasing alteration and copper grades** toward several large untested anomalies



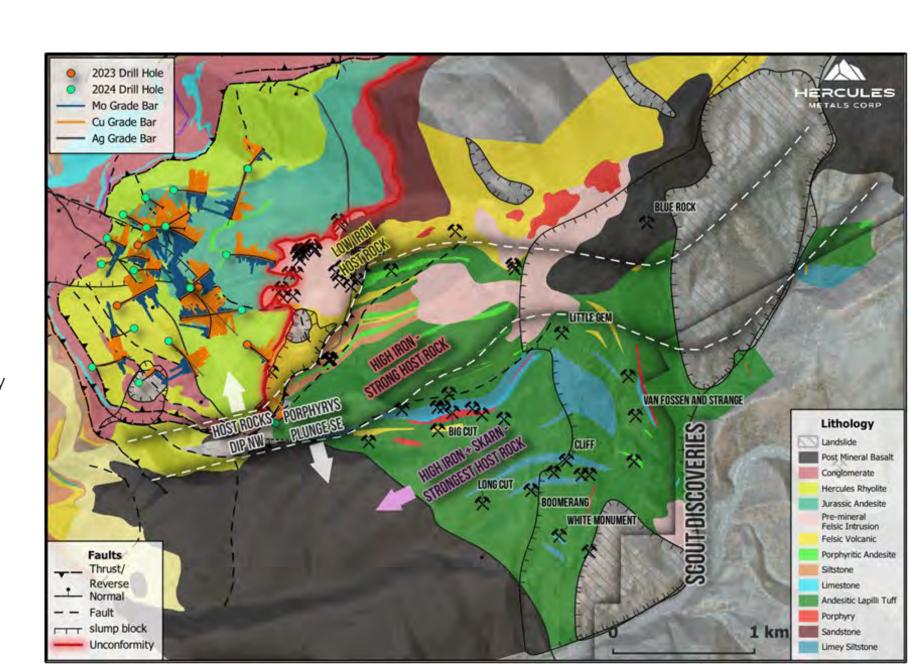
- HER-24-12, the northernmost hole below, confirmed a trend of increasing alteration and mineralization to the north.
- North of HER-24-12, the untested Grade Creek Zone represents a priority target for a high-grade potassic center
- A large magnetic high and chargeability anomaly indicate both magnetite and sulfide mineralization within Grade Creek



## Vectoring Southeast -

## High-Iron - A **Stronger, Better Host**

- Compilation of a large mapping program has revealed a large package of high-iron volcanics (green) in the southeast, which are significantly more reactive and therefore much more conducive to higher-grade mineralization than any of the areas drilled previously which are dominated by lower iron felsic volcanics.
- Further southeast, the host rocks also include limestone, the best host rock possible for a porphyry system.
- 2025 drilling will now target higher grades in these iron and limestone rich host rocks in the Eastern Block and Southern Flats zones.



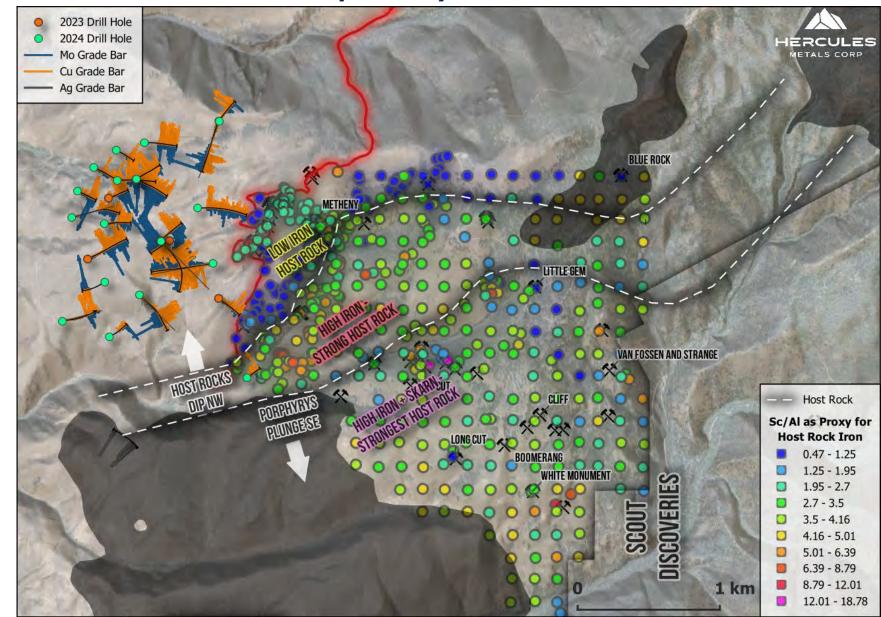
Part I - Iron

## Vectoring Southeast -

## High-Iron - A **Stronger, Better Host**

- A Scandium/Aluminum plot provides a proxy for how much original (silicate) iron was in the host rock, before it was altered to iron sulfide by the porphyry fluids. The porphyry fluids provide copper (Cu) and sulfur (S) but require the host rock to provide the iron (Fe) necessary to form chalcopyrite (CuFeS2) and bornite (Cu5FeS4). Host rocks high in iron accommodate significantly more copper sulfide mineralization.
- Note the **significantly lower iron content** of the upper (northwest) package of host rocks - the only host rock package tested by drilling so far.
- 2025 drilling will test high-iron host rocks in the southeast, where the porphry system is interpreted to intensify.

#### Scandium/Aluminum Map – Proxy for Silicate Iron Level of Host Rock



Part II - Limestone

# Vectoring Southeast Limestone - Best Possible Host

Big Cut Skarn in the Eastern Block Zone complete replacement of host rock with chalcopyrite - 21% copper



Purple conductivity anomaly and phyllic alteration intensity on hole traces

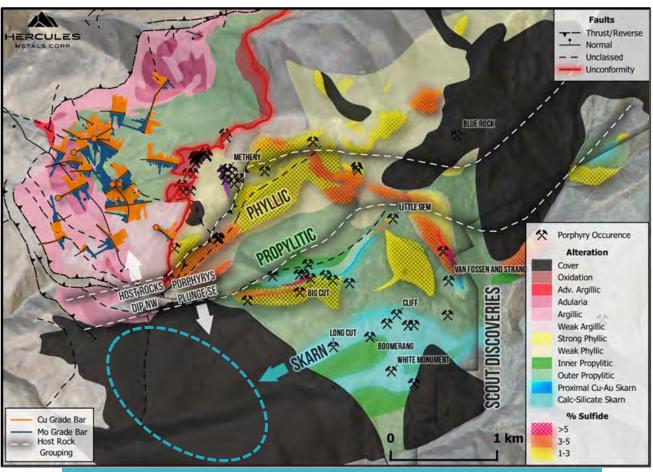


Phyllic alteration, represented by purple conductivity anomaly, extends southeast from 2023-2024 drilling into the iron and limestone rich host rock of the Southern

Acidic porphyry fluids react strongly with limestone which can carry the highest possible grade in a porphyry system. The closer to the intrusion, the more intense the porphyry fluids, and limestone lenses can become completely replaced with massive chalcopyrite, as at

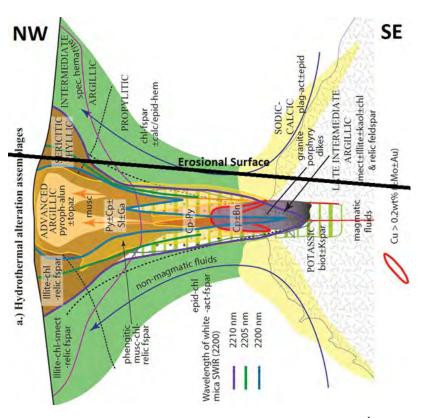


## Vectoring Southeast - High-Grade Center



NEW SKARN ZONE UP TO 500M THICK TRENDS DIRECTLY UNDER THE COVERED SOUTHERN FLATS ZONE.

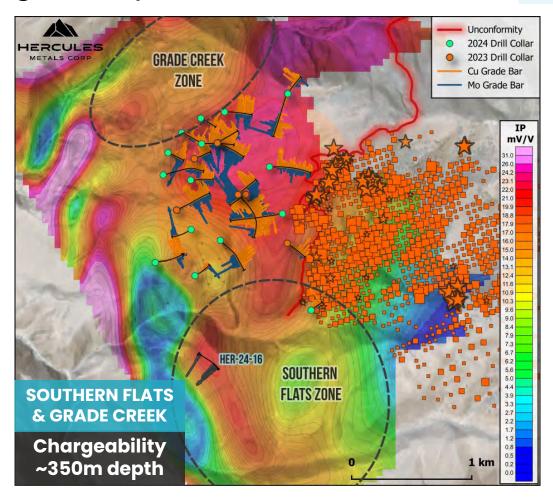
- Alteration patterns mapped at Hercules consistent with the classic porphyry alteration model <u>tilted to the northwest</u>.
- Potential bornite-rich potassic center below propylitic alteration in the Eastern Block and Southern Flats zones.
- Intersection of the high temperature porphyry center with iron and limestone rich host rocks – the strongest target ever tested – set to be unlocked by the 2025 drill campaign.



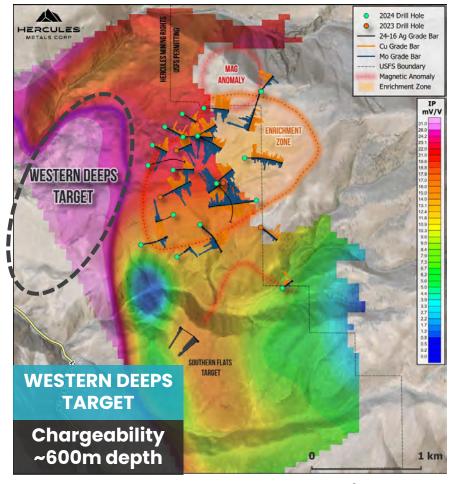
Cross-Section of the classic porphyry alteration model (Halley et al., 2015), rotated 90 degrees to illustrate the strong correlation with the surface alteration pattern at Leviathan. Hypothetical present-day erosion level (ground surface) shown as black line crossing section.

### Chargeability – Sulfide Distribution

Chargeability illustrates sulfide distribution in Leviathan, however the 2023 IP survey (4.5 x 4.5km) was not large enough to capture the entire system. A 2025 MT survey will expand geophysical data in all directions and map the complete sulfide system in 3D.



- Southern Flats basalt cover on plateau precluded any historical exploration.
- 3D IP shows porphyry mineralization extends under the Southern Flats
- HER-24-16 stopped before reaching its target but intersected significant epithermal silver mineralization in the cover, suggesting the porphyry does indeed extend below, emplaced along the same major structure.



- Strongest anomaly on the property, > 30 mV/V.
- For perspective, 20 mV/V typically exceeds 10 vol. %
- HER-24-10 stopped before reaching its target the Western Deeps chargeability anomaly at 600m depth.
- RC pre-collar will be used to reach the target in 2025.

## A World Class Opportunity in the Making

Systematic exploration underway to understand geometry and extent of the system

Several multi-km chargeability targets remain to be tested

Combines a shallow epithermal silver system at surface with a porphyry copper system at depth

Situated on state lands
with surface mining
rights to core land
position

scale and grade increasing
with mineralization open in all directions, well positioned for continued expansion



#### **Upcoming Catalysts**

- Additional drilling results from Phase III
- Secure premier drill contractor for 2025 drilling
- Advance Environmental
  Assessment on USFS lands to
  secure longer term drilling (2025)
- Enhanced, property wide geophysical survey
- Planning for Phase IV drilling to test 4 targets
- Continued metallurgical test work (2025)





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TSX-V: **BIG** | OTCQB: **BADEF** | FRA: **COX** 



## Appendix

## Largest Porphyry Copper Deposits in the U.S. METALS CORP



<sup>1</sup> Morenci Copper Mine, Arizona, USA - Mining Technology (mining-technology.com) & Morenci Mine - Western Mining History

<sup>2</sup> Bingham Canyon, Copper Mine, Utah, USA (mining-technology.com)

<sup>3</sup> https://www.canadianminingjournal.com/featured-article/good-news-from-bagdad-the-mine/ -

<sup>4</sup> https://thediggings.com/mines/usgs10137918 -

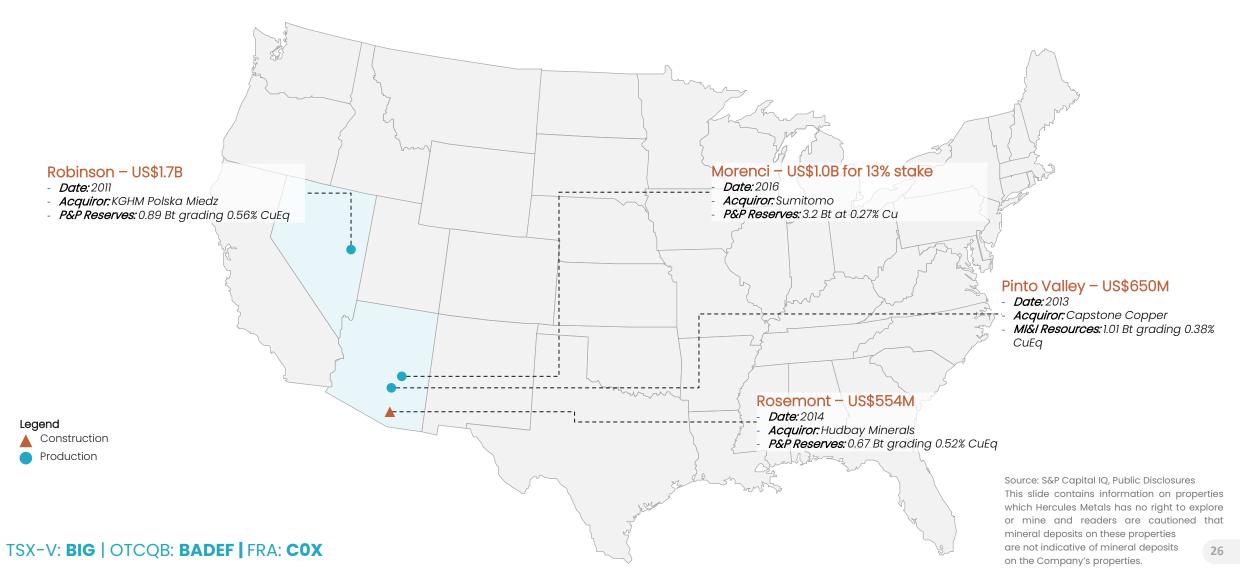
<sup>5</sup> https://resolutioncopper.com/about-us/#:~:text=The%20Resolution%20Copper%20project%20is,feet%20below%20the%20earth's%20surface.

<sup>6</sup> https://northerndynastyminerals.com/

### Porphyry Copper Transactions in the USA - Since 2010

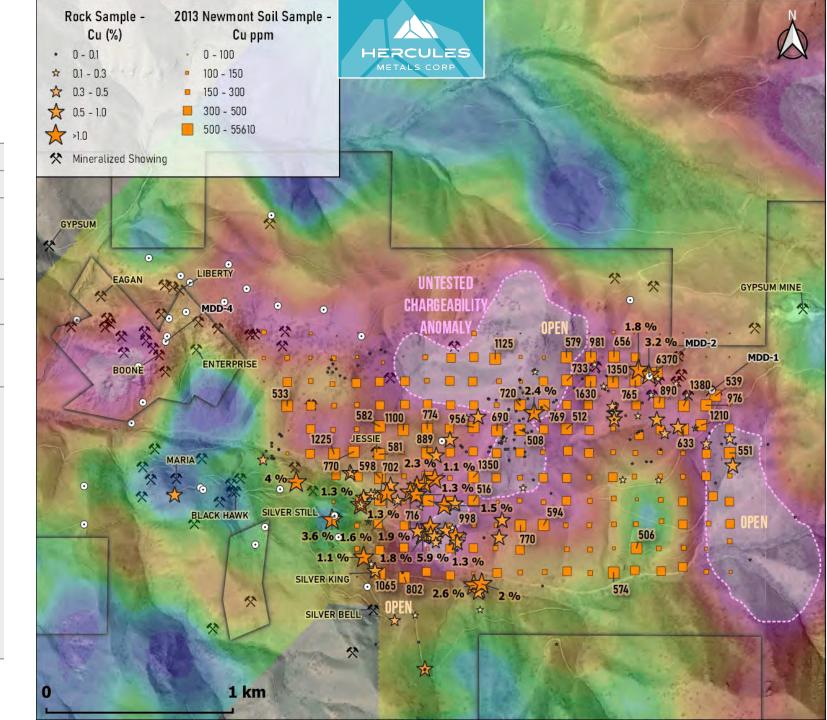


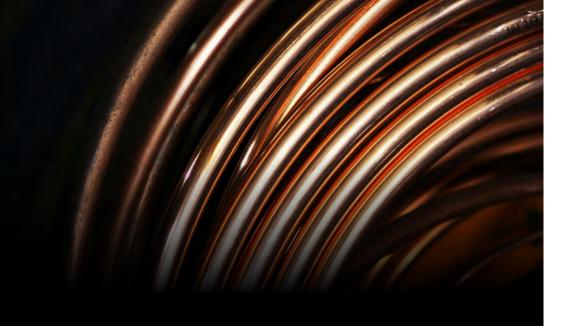
Very few M&A opportunities in tier 1 jurisdictions involving porphyry copper assets, due to significant lack of new discoveries. The select few that have transacted since 2010 are shown below.



## Mineral Project

LOCATION	Washington County, Idaho			
SIZE	2,843 acres			
ACCESS	<2.5 hours from Boise  14 miles south-southwest of Hercules			
	Property, along trend			
OWNERSHIP	Lease to own 100% with no royalty obligation			
GEOLOGY	Copper-gold porphyry overlain by rhyolite-hosted silver – an identical geological setting to the Hercules			
	Small-scale silver production in 1800s			
EXPLORATION HISTORY	Only two drill holes, in 1969, targeted the porphyry potential, and intersected distal propylitic alteration grading 0.17% Cu over 266m, ending in mineralization at 271 m. Neither molybdenum or gold was assayed for.			
	In 2013, Newmont caried out soil and rock sampling as part of a property evaluation study. That work identified a 1.8 km soil anomaly, with values ranging up to 6,370 ppm Cu, 206 ppb Au, and 65 ppm Mo. See map and October 2023 news release.			





## An Emerging

## **Powerhouse**

Copper is now considered the "new oil" due to its role in electric vehicle (EV) batteries and green energy technologies like solar panels and wind turbines and in turn, could see a similar upside in the next three years

Commodity Research at Citi via Yahoo! Finance

## Why Copper is a Critical Mineral



Copper is critical for everything from the electrical grid to electric vehicles and renewable energy technologies.

Besides clean energy technologies, several industries including construction, infrastructure, and defense use copper for its unique properties.



#### Increasing Demand

Copper demand for electricity grids could increase anywhere between 55-104% by 2040.



#### **Critical Mineral**

Copper is now included on both the US and Canadas critical minerals lists as it is deemed essential for economic success.



#### **Energy Supply**

Wind turbines contain 8 tonnes of copper per megawatt of generation capacity.



#### Supply < Demand

Copper is not being discovered fast enough to meet upcoming demand.

## Silver and the Green Revolution

#### 01 Solar Panels

Solar panel production now accounts for 100M ounces a year of silver demand, or 10% of the total silver market. This is projected to grow to 185M ounces in the next 10 years.

#### **02** Automotive Applications

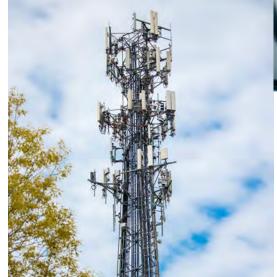
Last year, **61M ounces** of silver were consumed by the automotive industry, particularly in EV's. Silver's superior electrical properties make it irreplaceable in many automotive applications.



Biden's build back better plan calls for the development of "millions of new solar panels" in the US alone.

#### **03** 5G Cellular Networks

5G semiconductor production is expected to increase annual silver demand from 7.5M ounces today to 23M ounces by 2030.



It is estimated that by 2029, there will be 60 million charging points worldwide, which leads to a reciprocal demand for additional solar panels.

#### Overview

## Hercules Historical Drilling

- 01 In 2021, purchased and digitized historical drill logs from 1960's-1980's into a modern database
- 2 Data imported to Leapfrog to generate the first ever 3D model of the geology and mineralization
- Mineralized zones shown to remain open for expansion in all directions
- Select historical intercepts on the right demonstrate some of the better grades at Hercules

Hole ID	Year	From (m)	To (m)	Interval (m)	Ag (g/t)	Pb (%)	Zn (%)
80-1	1980	73.15	103.63	30.48	335.6	0.17	0.54
including	1980	82.3	91.44	9.14	828.2	0.24	0.8
including	1980	96.01	99.06	3.05	317.8	0.04	0.22
80-12	1980	7.62	22.86	15.24	56	No Assay	No Assay
AND	1980	36.58	74.68	38.1	144.3	0.13	0.37
including	1980	50.29	53.34	3.05	485	No Assay	No Assay
AND	1980	82.3	97.54	15.24	129	0.02	0.07
80-13	1980	114.3	141.73	27.43	394.3	0.21	0.7
including	1980	115.82	126.49	10.67	904.3	0.32	1.31
80-04	1980	85.34	108.2	22.86	297.4	0.22	0.26
83-42	1983	1.52	45.72	44.2	143.9	0.13	0.26
including	1983	12.19	15.24	3.05	807.7	0.25	0.21
83-P19	1983	15.24	62.48	47.24	377.5	0.39	0.91
Including	1983	24.38	32	7.62	606.2	0.49	1.64
Including	1983	35.05	44.2	9.15	1,166.4	1.05	1.82
83-P7	1983	42.67	74.68	32.01	174.6	0.56	2.21
84-P3	1984	25.91	71.63	45.72	380.3	0.61	3
Including	1984	27.43	33.53	6.1	998.9	1.18	7.53
84-P6	1984	4.57	44.2	39.63	175.9	0.12	0.32
AC 7710	1977	44.2	59.44	15.24	770	1.36	0.2
Including	1977	48.77	56.39	7.62	1,377.701	2.62	0.3
AND	1977	126.49	132.59	6.1	146.2	0.05	0.1
DDH-3	1965	33.53	35.05	1.52	289.3	0.1	No Assay
AND	1965	44.2	68.58	24.38	122.9	No Assay	No Assay
AND	1965	82.3	117.35	35.05	266.7	0.69	3.63
Including	1965	92.96	99.06	6.1	718.5	0.48	1.63
RC 771	1977	77.72	109.73	32.01	300.3	0.22	0.49
including	1977	97.54	106.68	9.14	750.1	0.34	0.4

Qualified Person, and should not be relied upon.

¹ Historical drill intercepts calculated from drill log assays provided in the following report: Piper, R.D. and Piper, D.J. 1984. Phase II Open Pit Feasibility Study of the Hercules Silver Project. Anglo-Bomarc Mines, Ltd. Grande Trunk Resources, Inc. \*Based on Ag (g/t) x drill hole length (meters) values at a 35 g/t Ag cutoff. Each hole listed has at least one intersection of >6m above the cutoff. The table is presented to illustrate aspects of the general nature of the mineralization. \*\*The drilling information was collected prior to enactment of NI 43-10I, has not been verified by the independent

<sup>\*\*\*</sup>The intervals reported in this table represent drill intercepts and insufficient data is available at this time to state the true thickness of the mineralized intervals. All intervals are reported as measured core length.

## **Silver**Soil Sampling

- Ol Soil sampling returned anomalous silver > 5 ppm over 3.5 kilometers and open under cover in both directions
- Silver-in-soil values range up to 604 ppm (17.6 oz/t) at the Belmont Zone
- Cargest and highest-grade soil/coincident IP anomaly at Hercules Ridge/Grade Creek remains to be drilled
- Large regions of anomalous rhyolite were inadequately tested by the shallow historical drilling that did not reach the mineralized footwall contact

#### Historical 2D IP Geophysics

Historical Shallow Chargeability

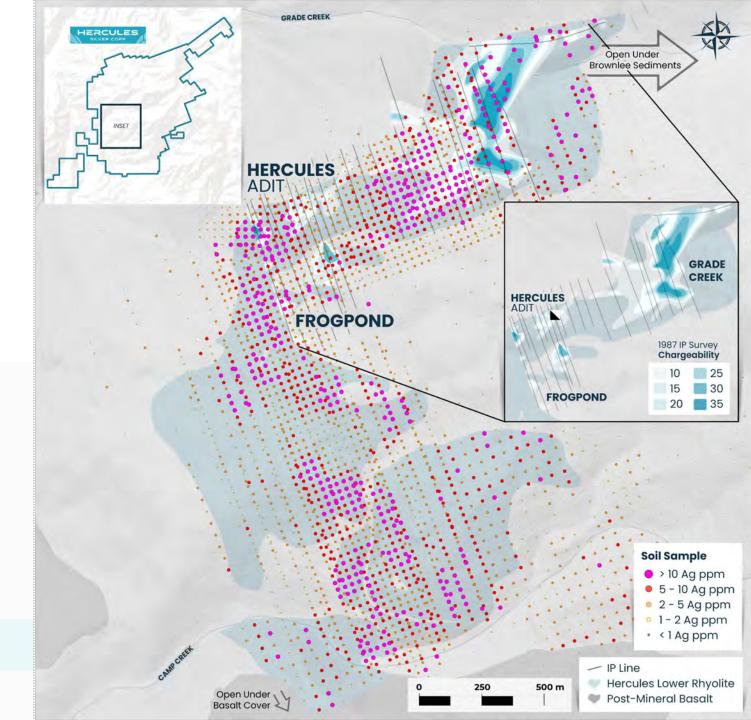
anomaly at Grade Creek Zone

Was identified in 1987, but never financed for drilling Untested anomaly at Grade Creek suggests the potential for

#### **Near surface**

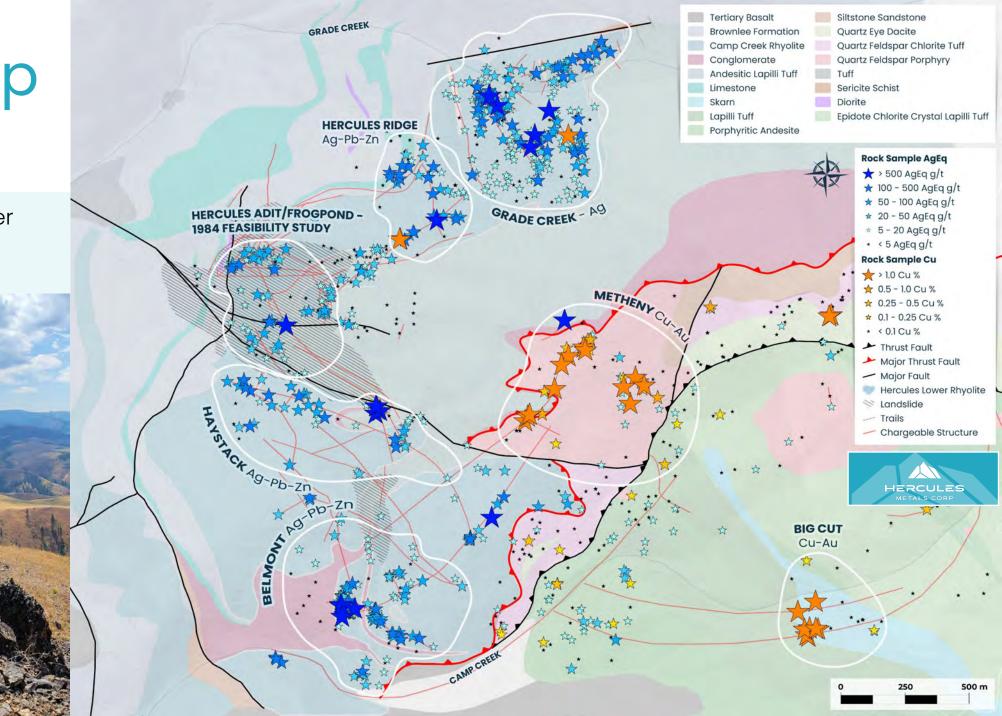
silver OR porphyry mineralization never been drill tested

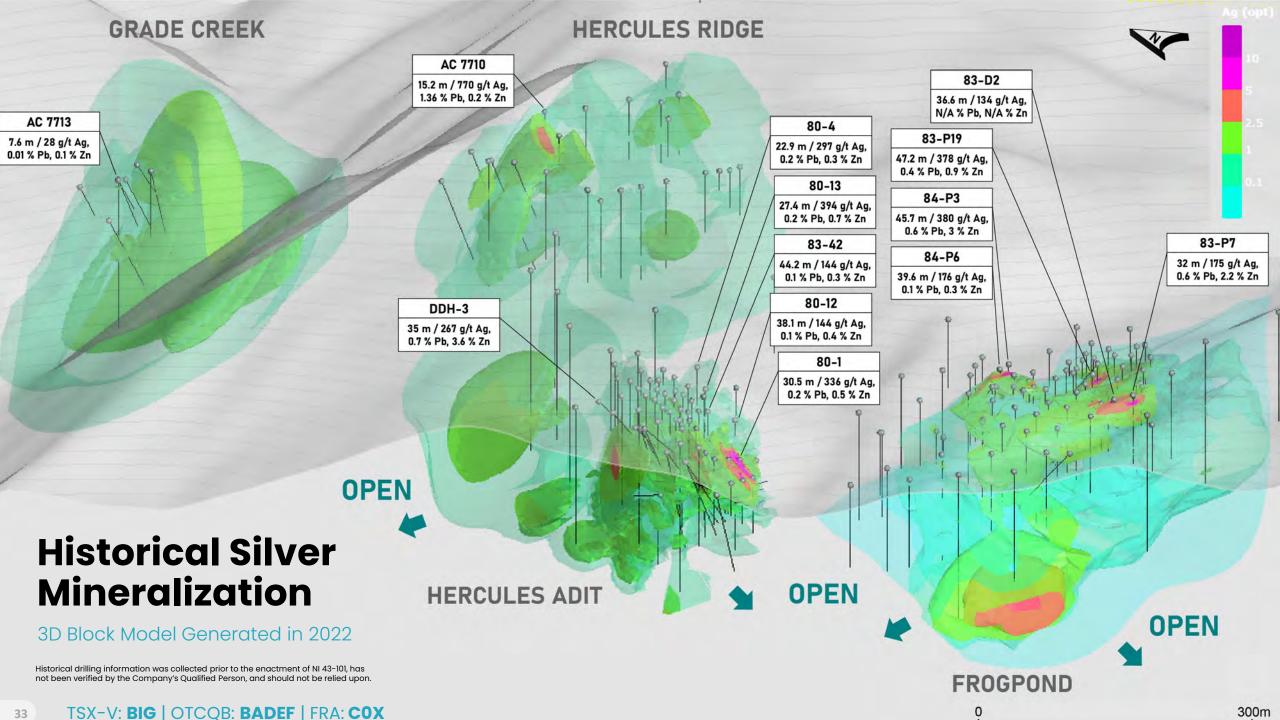
IP anomaly is coincident with the largest >1 oz/t silver in soil anomaly on the Property





Plan View Showing Silver and Copper Grades of Rock Chip Samples









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