



CASCADE COPPER

# CASCADE COPPER CORP

Copper Focused Exploration  
in British Columbia and Ontario  
A Growth Stage Exploration Company

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CSE: CASC





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# CASCADE COPPER

## OUR VISION & MISSION

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### CASCADE'S VISION

Cascade will strive to become a best-in-class junior mining company that creates value for our shareholders through safely and responsibly exploring for essential metals for the world of tomorrow.

### CASCADE'S MISSION

Prudent and Ethical exploration of Copper and Gold in British Columbia using our highly experienced and diversified board.



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# CASCADE COPPER

## SHARE STRUCTURE

EXCHANGE	CSE
COMMON SHARES	33.5M
STOCK OPTIONS	1.15M @ \$0.10 AVG
WARRANTS	18.5M @ ~ \$0.10 AVG
FULLY DILLUTED	53.2M
MARKET CAP	\$1.5 M
INSIDER OWNERSHIP	~23%



# CASCADE COPPER'S EXPLORATION FOCUS

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## KEY POINTS TO CONSIDER WHEN EXPLORING:

### Jurisdiction

- Cascade has focused on exploring for projects in safe, stable jurisdictions - British Columbia and Ontario in Canada
- Exploration incentives from governments
- Capital raising – flow through shares

### Commodity

- Copper, Gold, Silver and Molybdenum
- The fundamentals for copper and moly indicated a strong demand over the next several decades and a continued high value
- Gold and silver continue to set new highs – geo-political instability, economic uncertainty

### Geology

- Understanding the environment for copper, molybdenum and gold porphyry systems is key. British Columbia is a well-known host to Tier One porphyry deposits.
- Gold vein systems – Bralorne area. VMS polymetallic systems – NW Ontario



# MANAGEMENT TEAM AND BOARD



Jeffrey Ackert, BSc.  
President, CEO & Director

Mr. Ackert began his career as a regional geologist with St. Joe Minerals, Bond Gold Canada and LAC Minerals in the 1980s. In 1990 he became mine geologist at LAC Minerals' Golden Patricia Mine (Barrick Gold Corp after 1994). In 1996 he was appointed VPEx for Orezone Resources Inc. focusing on West Africa. Mr. Ackert served as a senior officer of publicly listed C3 Metals, a Canadian explorer focused on large copper-gold deposits with properties in Peru, Jamaica and Canada. Mr. Ackert holds a BSc. In Geology from the University of Toronto.



Shannon Baird P.Geo  
VP Exploration & Director

Mr. Baird has over 18 years of management, technical, evaluation, and leadership experience in Cu-Au, Au-Ag, and Ni-Cu-PGE base metals exploration and mine geology across the Americas and Caribbean. He is a highly experienced exploration geologist with a proven track record of identifying, discovering and exploring high-quality projects from the ground up. Mr. Baird holds a BSc. and an Applied MSc. in Economic Geology from Laurentian University. He also holds professional designations with the Association of Professional Geoscientists of Ontario (PGO) and the Engineers and Geoscientists of British Columbia (EGBC).



Yanika Silina CPA CMA  
Chief Financial Officer

Ms. Silina is an experienced accountant and since 2008, has been a Senior Accountant with Da Costa Management Corp., a Vancouver-based company that provides management services to private and public companies. Ms. Silina has been the CFO of several publicly listed companies including Cell MedX Corp., Stuhini Exploration Ltd and Tocvan Ventures Corp. Ms. Silina received a Diploma in Management Studies from the University of Thompson Rivers from Kamloops, British Columbia (2011) and her CPA, CMA designation in 2015.



Darcy Christian P.Geo  
Director

Mr. Christian is President and Director of Ashley Gold Corp, a CSE listed junior mining company. From 2018 until 2020, he was Principal Geoscientist with IHS Markit and from 2015 until 2016, Business Development Manager with Finder Exploration Canada. Mr. Christian holds a Bachelor of Science (Geoscientist) degree from the University of Alberta and a professional designation with the Association of Professional Engineers and Geoscientists of Alberta (APEGA). Mr. Christian also holds a Master of Science in Geoscience from the University of London.



Hon. Alison Redford QC, ICD. D  
Director

Ms. Redford serves as an advisor to national governments and ministries in emerging economies on regulatory reform to promote transparency and investor confidence. Ms. Redford also serves as a strategic advisor to public companies to assess risk and ensure regulatory compliance, particularly as it relates to Extractive Industries Transparency Initiatives and Community Benefits Agreements for affected Indigenous people. Previously, Ms. Redford served as Premier of Alberta from 2011 to 2014 and as Minister of Justice and Attorney General from 2008. Ms. Redford holds a law degree from the College of Law at the University of Saskatchewan (1988).



# CASCADE COPPER'S PROJECTS



## PROJECT LOCATIONS & NEARBY SIGNIFICANT DEPOSITS

### Rogers Creek Copper Project

- Along trend with multiple Cu-Au-Mo deposits across Alaska, British Columbia, and Washington State
- Historical Drilling confirms over 150m of copper enrichment including 0.172% Cu over 12.3m and 0.2 g/t Au over 120m including 1.05 g/t Au over 13.5m\*.
- Phase 1 work program includes drilling of untested IP anomaly

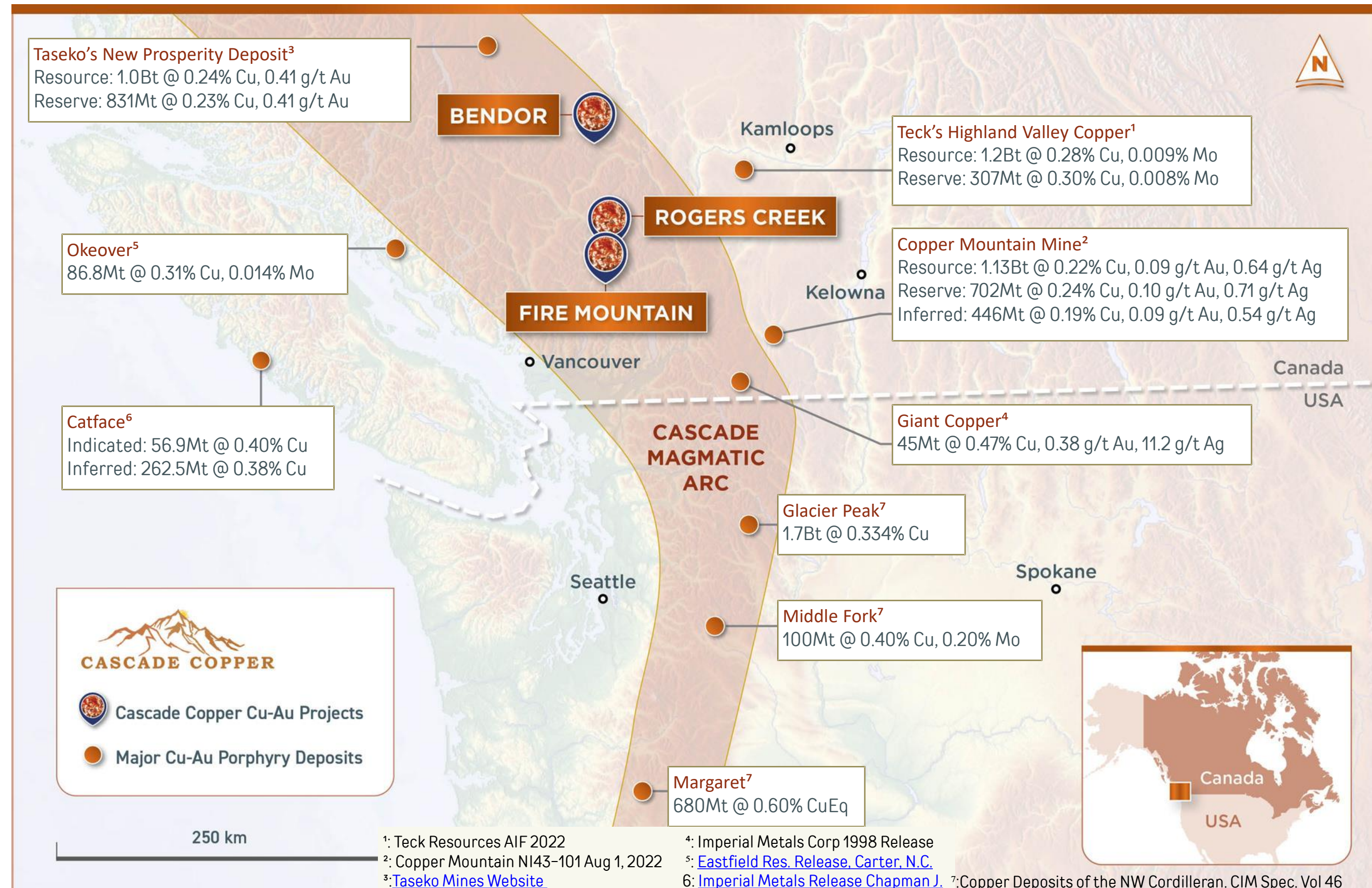
### Fire Mountain Copper Project

- Historic trenching of breccia assayed up to 0.91% Cu, 1.4 g/t Au, and 19 g/t Ag\*
- Historic breccia rocks assayed up to 0.21% Cu, 3.91 g/t Au and 11 g/t Ag
- Historic vein stockwork assayed up to 1.88% Cu, 4.16 g/t Au, and 65 g/t Ag\*
- Historic chip sampling of 300m+ long Money Spinner vein assayed 26.25 g/t Au\*

### Bendor Gold + Copper Project

- Regional-scale Au-quartz veins proximal and analogous to the historic Bralorne/Pioneer Mines
- Historic underground workings with drill results up to 27.54 g/t Au over 5.3m including 70 g/t Au over 0.8m\*
- Multiple untested Au quartz vein systems

\*results noted are historical and have been reviewed by the company's QP and are considered valid





# ROGERS CREEK COPPER PORPHYRY PROJECT



## PROJECT LOCATION



- The Rogers Creek Cu-Au Project is located along an all-season maintained logging road system near Pemberton, BC. It is being explored for porphyry-style Cu-Au-Mo mineralization associated with intrusions within the post-accretionary Tertiary-age Cascade Magmatic Arc.
- There are several very large porphyry deposits which occur in this belt in neighboring southeast Alaska and Washington State and similar age magmatic belts worldwide that contain very large (>1 billion tonnes) copper and molybdenum deposits.
- Previous work in the area has targeted volcanogenic massive sulphide-style or epithermal-style gold mineralization. Work carried out in the 1990s has recognized very young Miocene intrusions within the Coast Belt rocks, forming part of the Cascade Magmatic Arc. This geological setting for porphyry-style mineralization, coupled with the discovery of Cu, Au, and Mo mineralization within these intrusions, provides a compelling geological model for exploration.



# ROGERS CREEK COPPER PORPHYRY PROJECT



## PROJECT HIGHLIGHTS & BENEFITS

- Located in the Coastal Mountain Belt along trend with multiple Cu-Au-Mo deposits across Alaska, British Columbia, and Washington State
- Located along an all-season maintained major logging road system
- High-tension power with newly built substation at base of Project
- All-season high-flow water source bisecting Project
- Historical Drilling confirms mineralization up to 380ppm over 150.9m including 0.172% Cu over 12.3m and 0.2 g/t Au over 120m including 1.05 g/t Au over 13.5m.
- 1,786 km of helicopter-borne magnetic gradiometry & VLF-EM.
- 280 km of helicopter-borne radiometrics.
- 49 kilometres of Induced Polarization (I.P.) geophysics.
- 3D inversion and integration of all geophysical and Project data.
- 1,061 surface rock, 3,328 soil, and 318 stream sediment samples.
- 5,209 m of diamond drilling within 10 holes (assaying of 1,951 m).
- Detailed magnetic susceptibility and resistivity/chargeability and TerraSpec Halo alteration readings taken on most drill core.



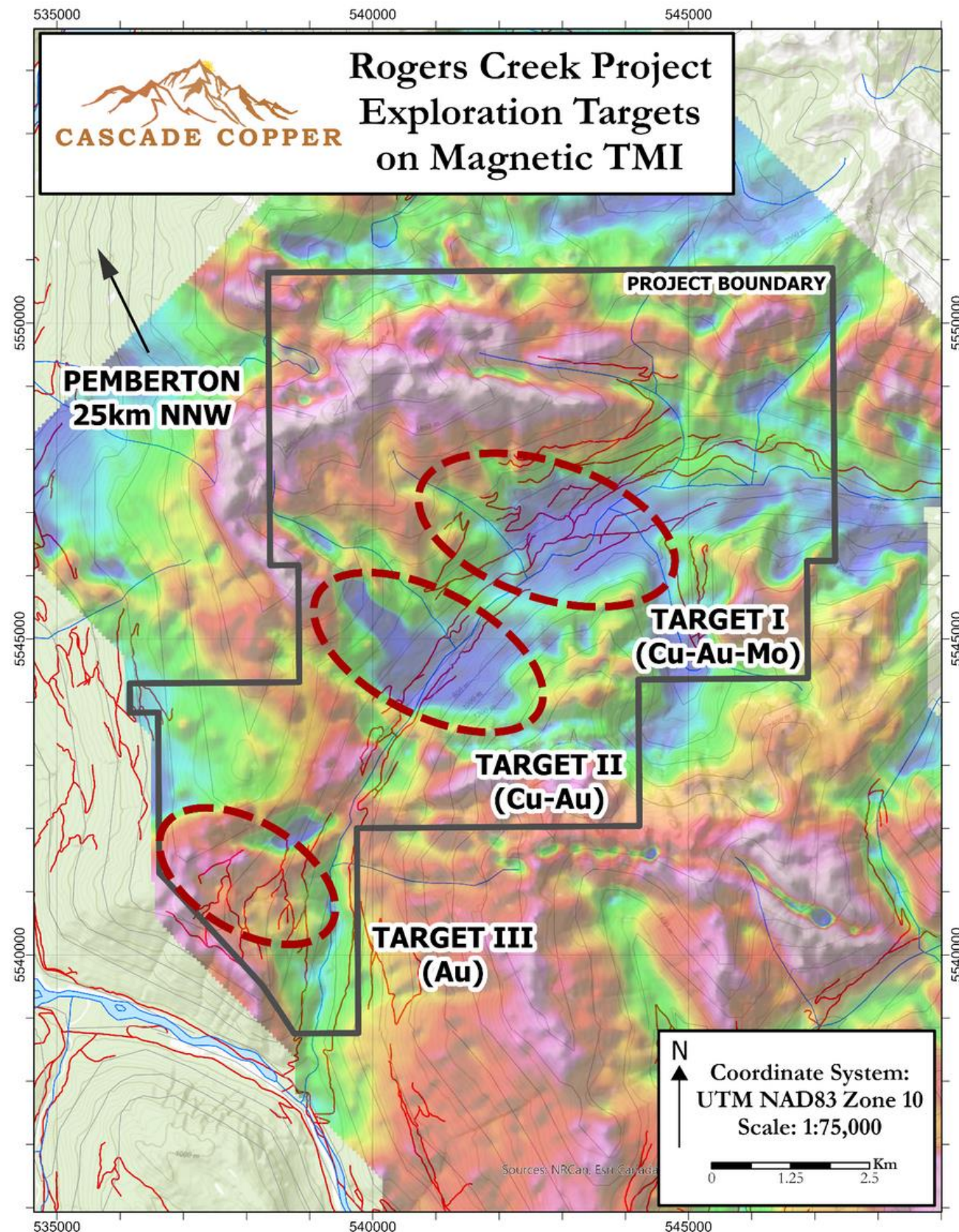
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# ROGERS CREEK COPPER PORPHYRY PROJECT



## ADVANCED DRILL-READY TARGETS



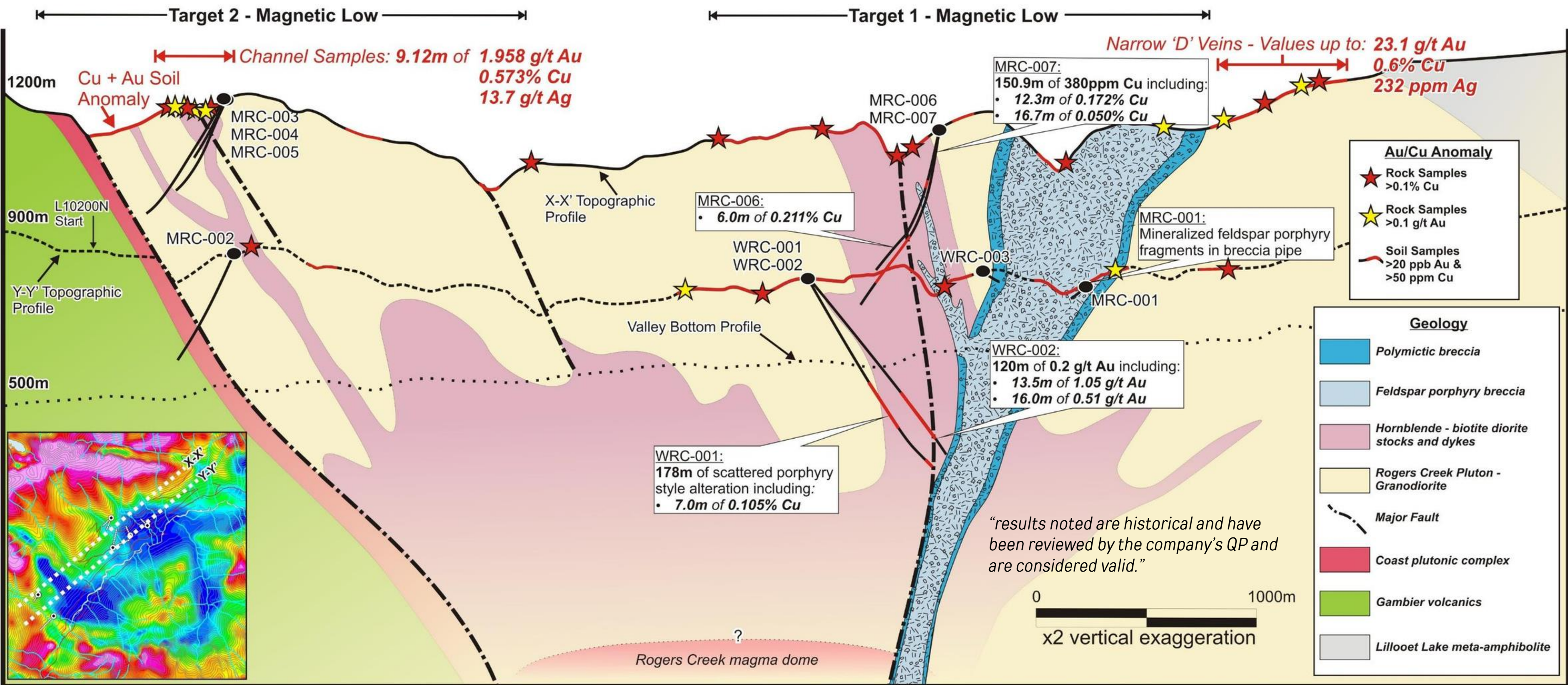
- Three main target areas have been identified within the Miocene-aged Rogers Creek pluton.
- Targets I & II, where most of the work has been focused is surrounded by a larger circular magnetic high centred by two magnetic lows of potential “magnetite destruction” resultant from large zones of hydrothermal porphyry alteration, pipe brecciation, and structural re-adjustment forming significant fluid-flow pathways for mineralization.
- Target III is a largely untested zone of potential Epithermal Au related alteration and mineralization with significant gold-silver values returned in surface rock, soil, and silt samples.
- Work to date has advanced the property from a small showing discovered during logging road construction in 2007 to an advanced exploration-stage with evidence for a large-scale mineralized hydrothermal system.



# ROGERS CREEK COPPER PORPHYRY PROJECT



## GEOLOGICAL MODEL AND RESULTS

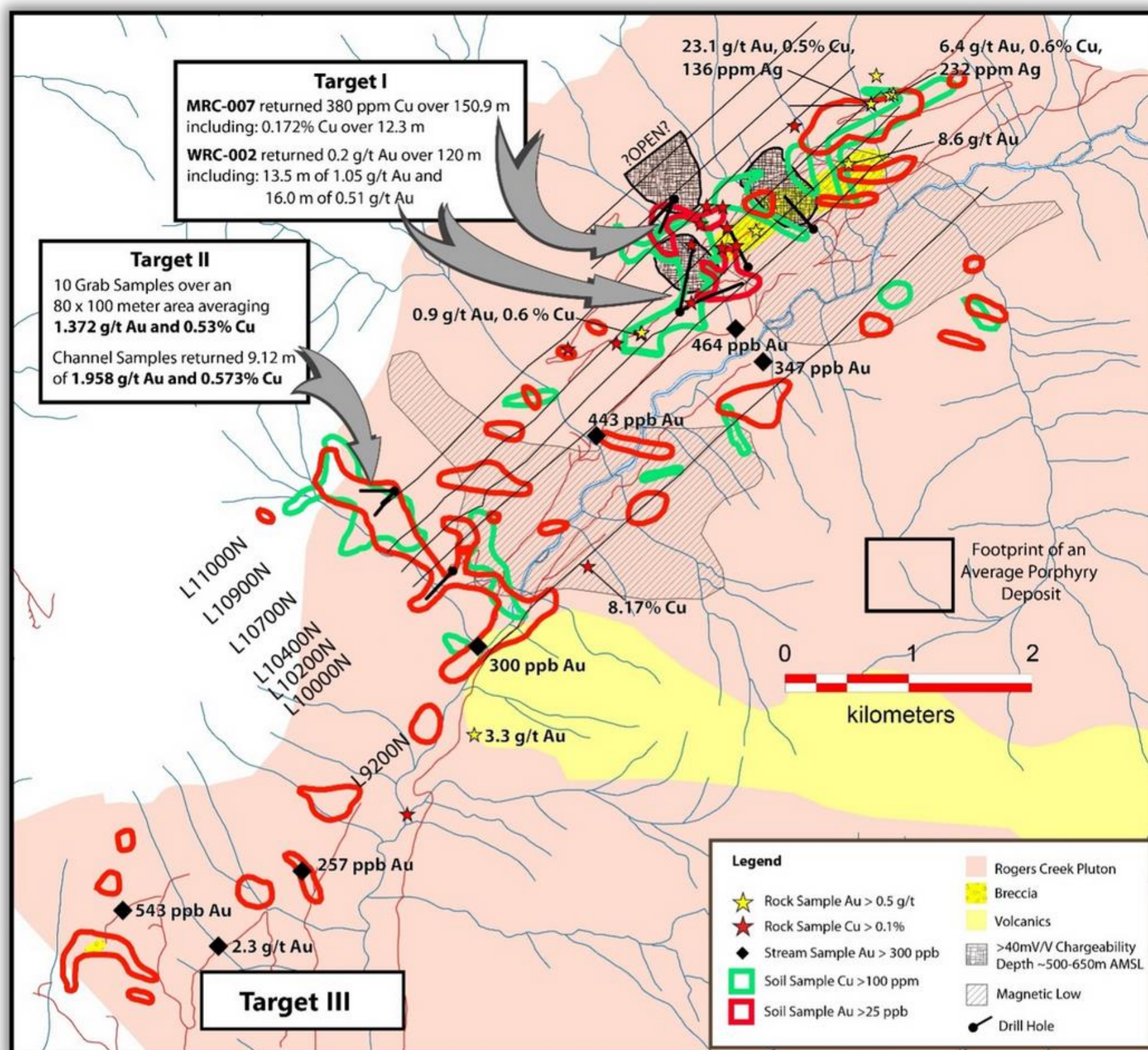




# ROGERS CREEK COPPER PORPHYRY PROJECT



## SIGNIFICANT UNTESTED ANOMALIES



- Targets I & II outline a 6 x 2km area of widespread propylitic alteration with localized phyllic and chlorite-sericite alteration zones containing highly anomalous copper-gold geochemistry and mineralization within.
- Quartz-sulfide veins on the periphery and cutting Target I breccia returned gold and silver values up to 23.1 g/t Au\*, 232 g/t Ag\*, 0.69% Cu\*, and 81.4 ppm Mo\*.
- Drilling WRC-002 “skirted” a large IP chargeability anomaly typically associated with pyritic haloes surrounding porphyry deposits and returned 120m @ 0.2g/t Au\* including 13.5m @ 1.05g/t Au\* and 16.0m @ 0.51g/t Au\*.
- The “footprint” of an average British Columbia Cu-Au porphyry deposit can be seen in the image next to the large area of known mineralization and alteration within Targets I, II, and III at Rogers Creek.

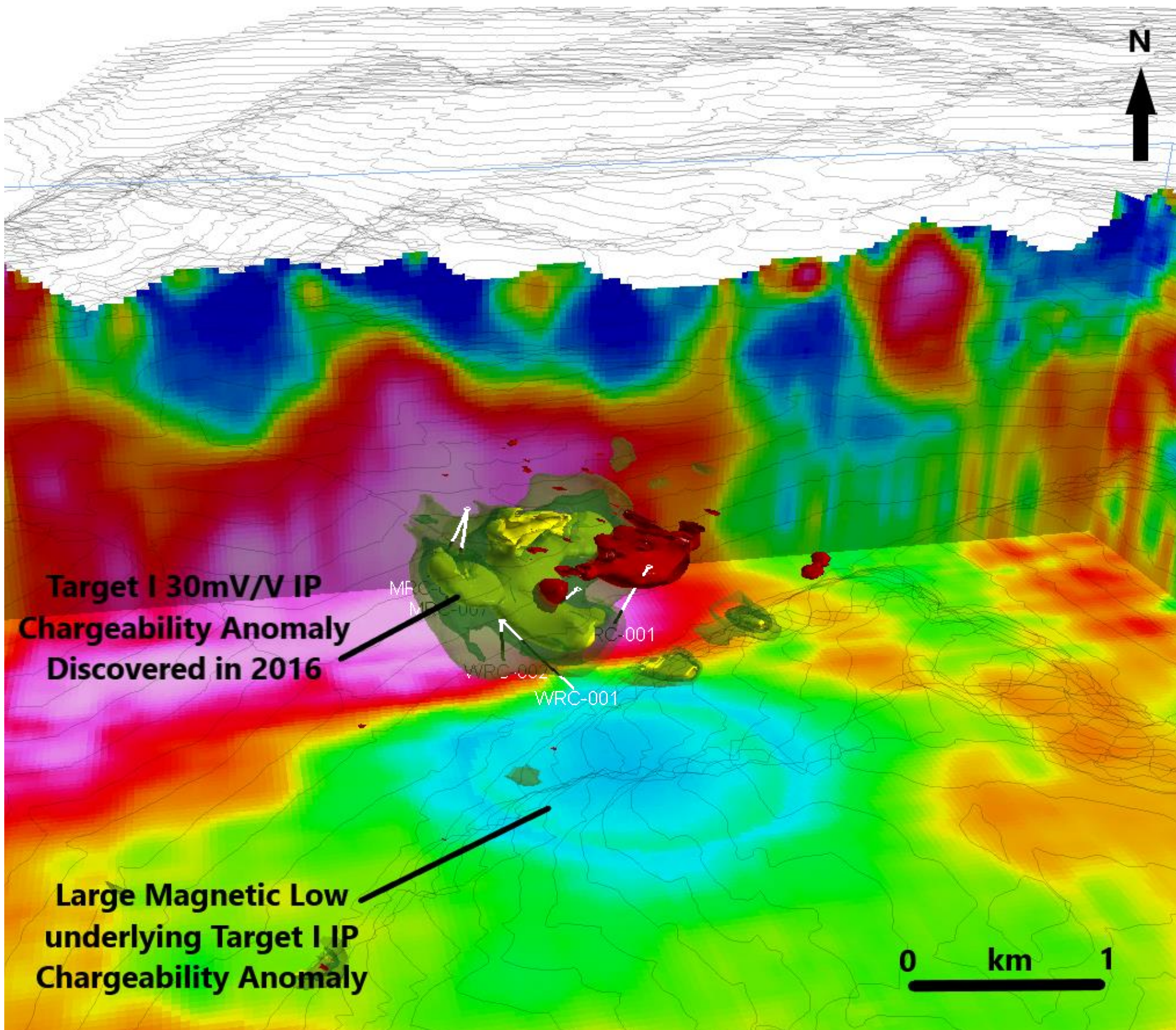
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# ROGERS CREEK COPPER PORPHYRY PROJECT



## TARGET I MAGNETICS & IP TARGETS



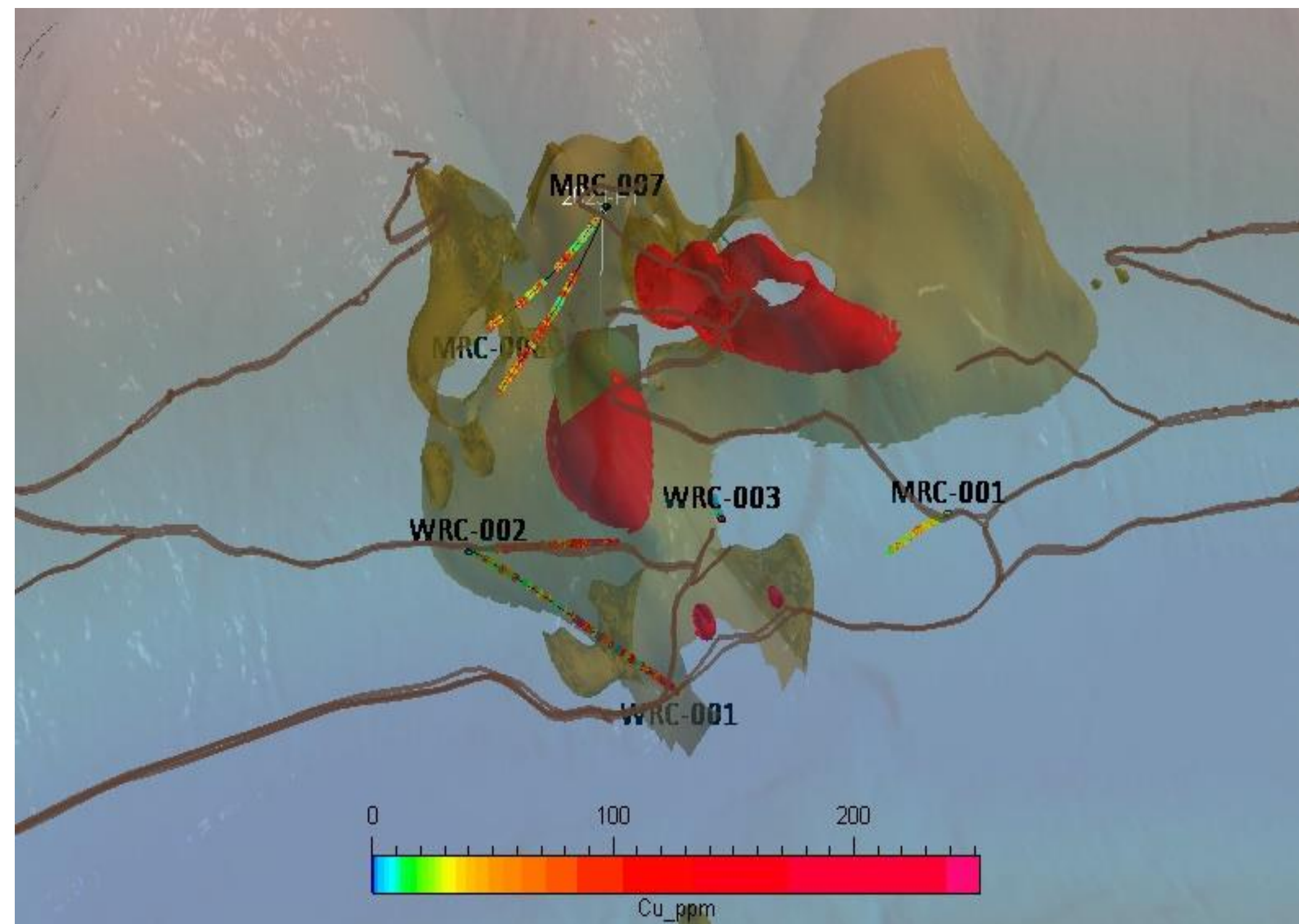
- Strong magnetic destruction (light blue ringed circle), IP chargeability (yellow and green transparent isoshells) and resistivity (crimson red), and illite TerraSpec clay alteration all show strong correlation and point to there being a significant hydrothermal system beneath).
- Merging and inversion of all available geophysical data revealed that all previous drilling narrowly missed the anomalies when looked at in 3-dimensions, but where drilling came close or lightly pierced the isoshells, elevated zones of copper and gold were encountered.
- Expansion of the IP survey upslope to the north in 2019 revealed a significant, previously unknown chargeability and resistivity anomaly at ~500m sub-surface depth believed to be associated with a typical porphyry Cu-Au alteration and mineralization hydrothermal “feeder zone” (next slide).



# ROGERS CREEK COPPER PORPHYRY PROJECT



## PHASE I DRILL TESTING OF LARGE IP ANOMALIES



- Drilling and sampling indicate a strong association of pervasively and strongly mineralized rocks in structures trending NNW at Target I coincident with a large “buried” chargeability anomaly.
- Porphyry dykes, porphyry A, B, and D-veining, potassic-phyllitic alteration with chlorite-sericite retrograde overprinting, and breccia pipes hosting Copper mineralized feldspar porphyry clasts.
- IP inversion modelling indicates two zones of moderate to high chargeability below significant copper and gold mineralization, alteration, and veining at surface. The chargeability anomalies represent sulphide mineralization that is interpreted to be part of the copper porphyry system. These anomalies will be the target for the upcoming drill program.

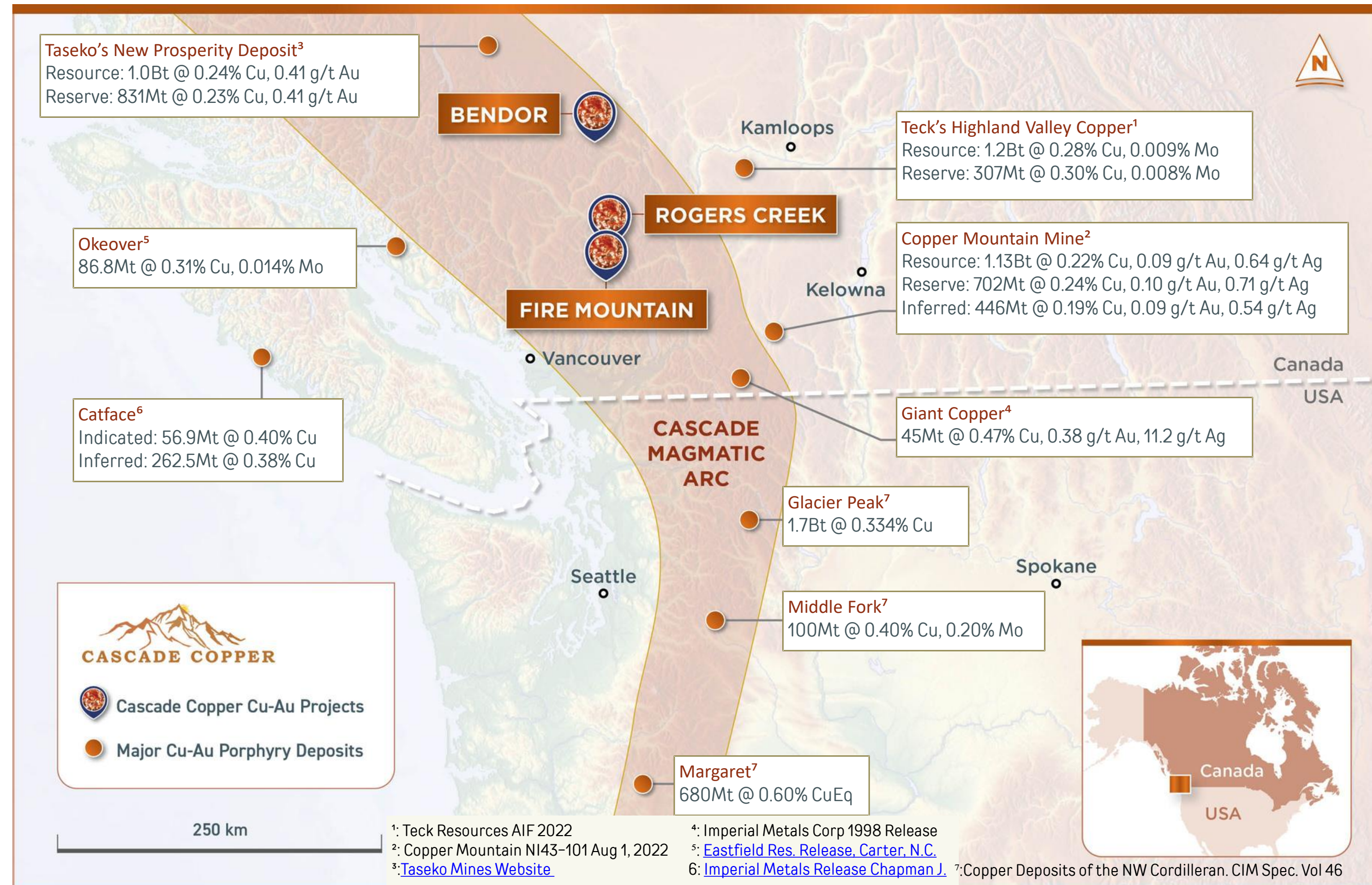


# FIRE MOUNTAIN Cu-Au-Mo PORPHYRY PROJECT



## PROJECT LOCATION & NEARBY SIGNIFICANT DEPOSITS

- A large (7,913 ha), “Flagship” quality Project located ~220km from Vancouver along trend with multiple Cu-Au-Mo deposits across Alaska, British Columbia, and Washington State including the Glacier Peak (1.7Bt @ 0.334% Cu, 0.015% MoS<sub>2</sub><sup>7</sup>) and Margaret (680Mt @ 0.60% CuEq<sup>7</sup>) deposits in upper Washington State.
- Analogous to nearby Copper Mountain Mine with a total mineral resource of 1.13Bt @ 0.22% Cu, 0.09 g/t Au, and 0.64 g/t Ag as of August 1, 2022 (2022 NI 43-101 Technical Report for the Copper Mountain Project).



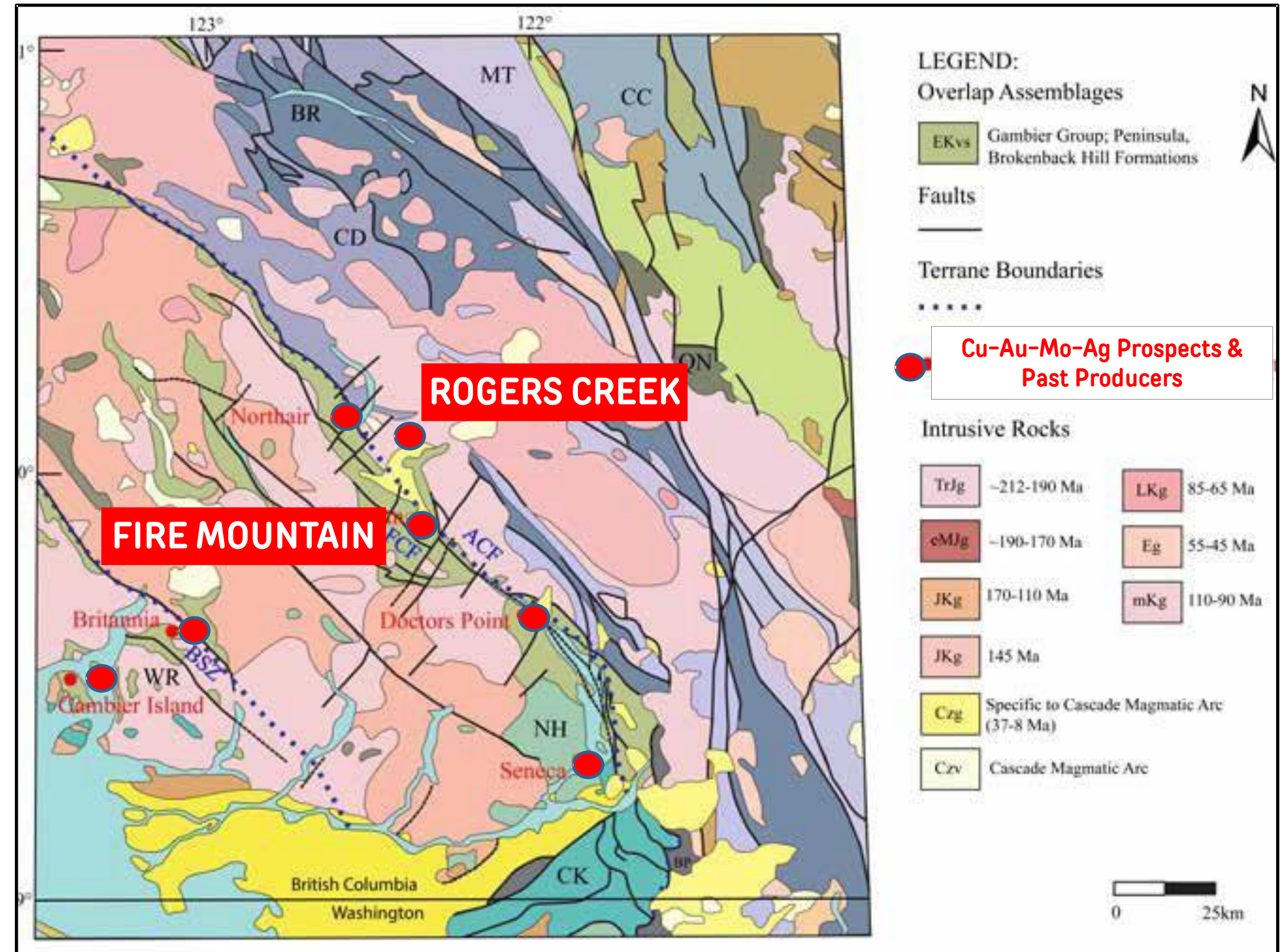


# FIRE MOUNTAIN Cu-Au-Mo PORPHYRY PROJECT



## REGIONAL GEOLOGY

- Major NW-SE longitudinal structures – potential crustal-scale marking the eastern boundary of the Wrangellia Terrane, could provide structural control of ore as at the Copper Mountain-Ingerbelle Deposit.
- Bend in steeply-dipping major structures (FCF=Fire Creek Fault) with distinct calcareous sedimentary and volcanic host rocks within the historically productive Gambier Group – excellent stratigraphic, geochemical, and structural ground preparation for the concentration of Cu-Au mineralization.
- Large NE structures - including the regionally extensive Glacier Creek Fault, likely act as conduits for mineralized Tertiary intrusives such as the proximal Rogers Creek Pluton.





# FIRE MOUNTAIN Cu-Au-Mo PORPHYRY PROJECT

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## PROJECT HIGHLIGHTS

- Recent discovery of porphyry-related veining, alteration, and mineralization assaying up to **14.96 g/t Au, 1.88% Cu, and 76.5 g/t Ag** in quartz-magnetite-chalcopyrite-epidote assemblage vein sets in multiple orientations
- Historic trenching of tuff breccia on southern flank assayed up to 1.4 g/t Au, 0.91% Cu, and 19 g/t Ag
- Historic tuff breccia rock samples assayed up to 3.91 g/t Au, 0.21% Cu, and 11 g/t Ag
- Historic quartz-vein stockwork samples assayed up to 4.16 g/t Au, 1.88% Cu, and 65 g/t Ag
- Historic chip sampling of the NW-trending, ~1.2m wide by 300m+ long, ribboned quartz Money Spinner vein assayed **26.25 g/t Au** while another parallel vein system ~200m east assayed **13.63 g/t Au**
- Historic soil and rock sampling within the Rogers Creek Pluton proper ~2-3km east of the 2019 discovery outlined three distinct 1-2km diameter wide zones of significant Cu-Mo-Au-W-Bi porphyry pathfinder element associations at northeast structural intersections along a 7km major north-northwest arc-parallel fault system
- The minimal prospecting and sampling of the two northern zones within the Rogers Creek Pluton discovered multiple showings of copper-molybdenum mineralization along new logging roads. Molybdenite +/- chalcopyrite are observed in veins and on fractures and joint planes with values up to 1.56% Cu, 3.84 g/t Au, 75 g/t Ag, and 241 ppm Mo in rock grab samples.

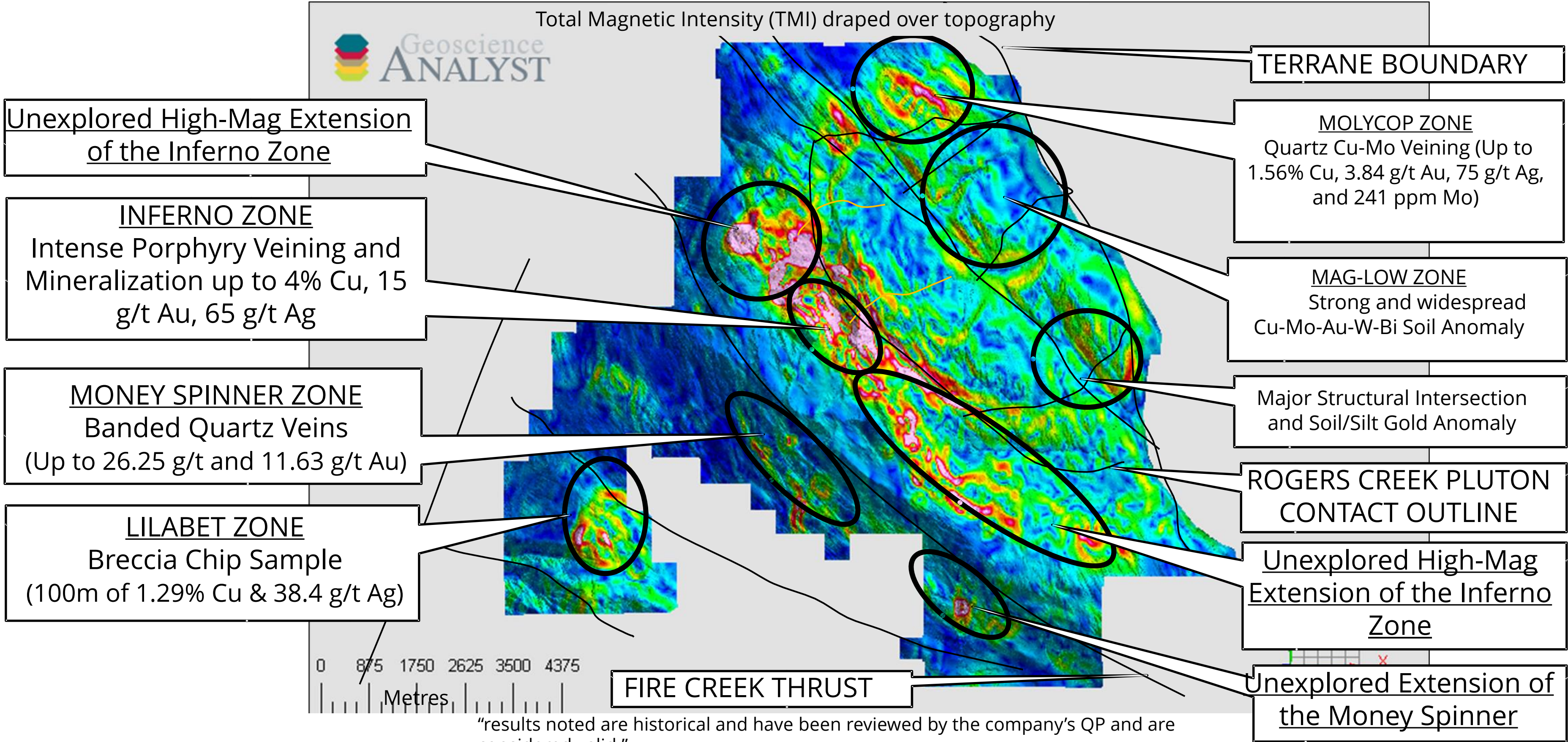
*“results noted are historical and have been reviewed by the company’s QP and are considered valid.”*



# FIRE MOUNTAIN Cu-Au-Mo PORPHYRY PROJECT



## INVERSION MODELLING SHOWS MAGNETIC, STRUCTURE AND MINERALIZATION CORRELATION

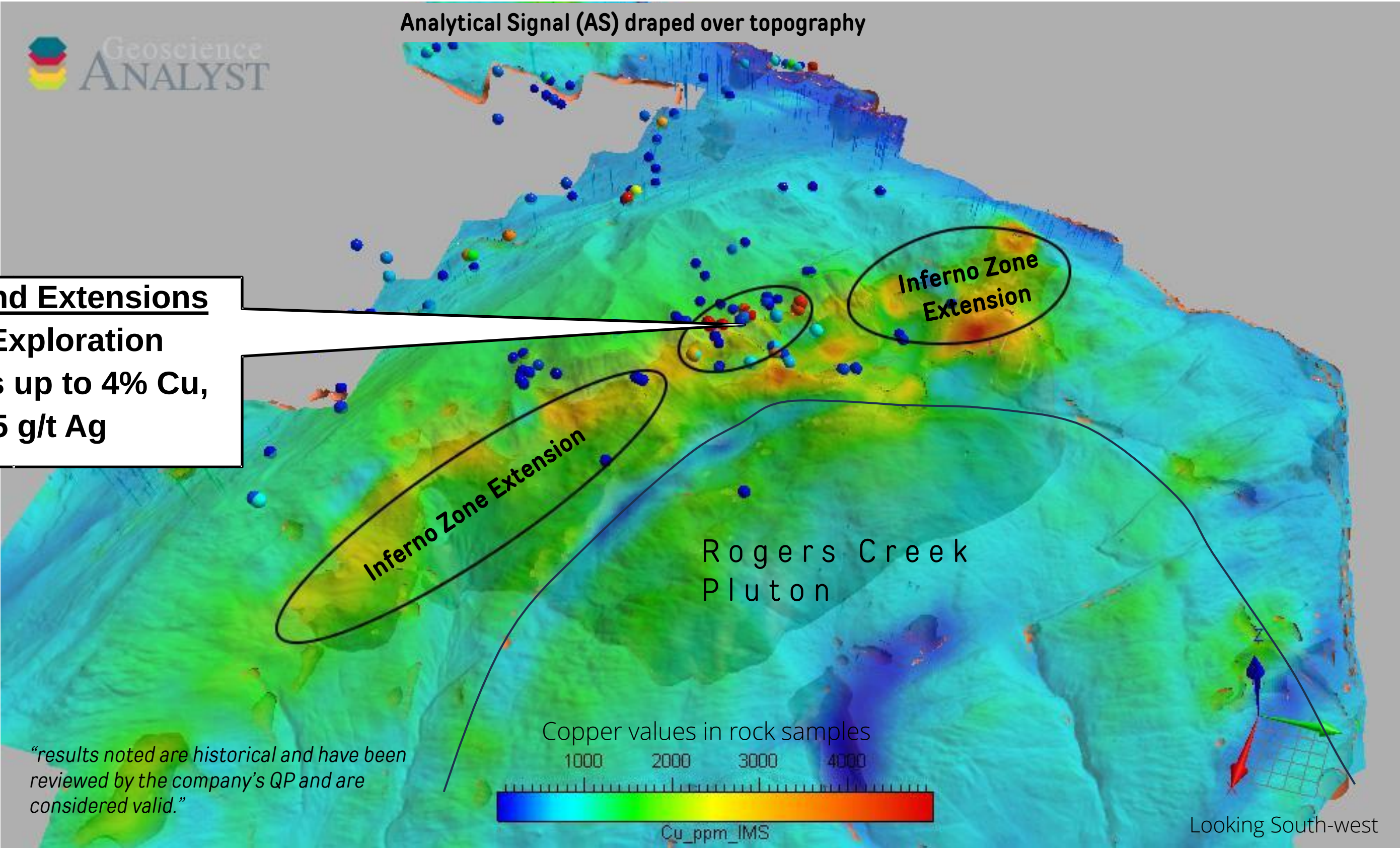




# FIRE MOUNTAIN Cu-Au-Mo PORPHYRY PROJECT



## INFERNO ZONE





# FIRE MOUNTAIN Cu-Au-Mo PORPHYRY PROJECT



## INFERNO ZONE



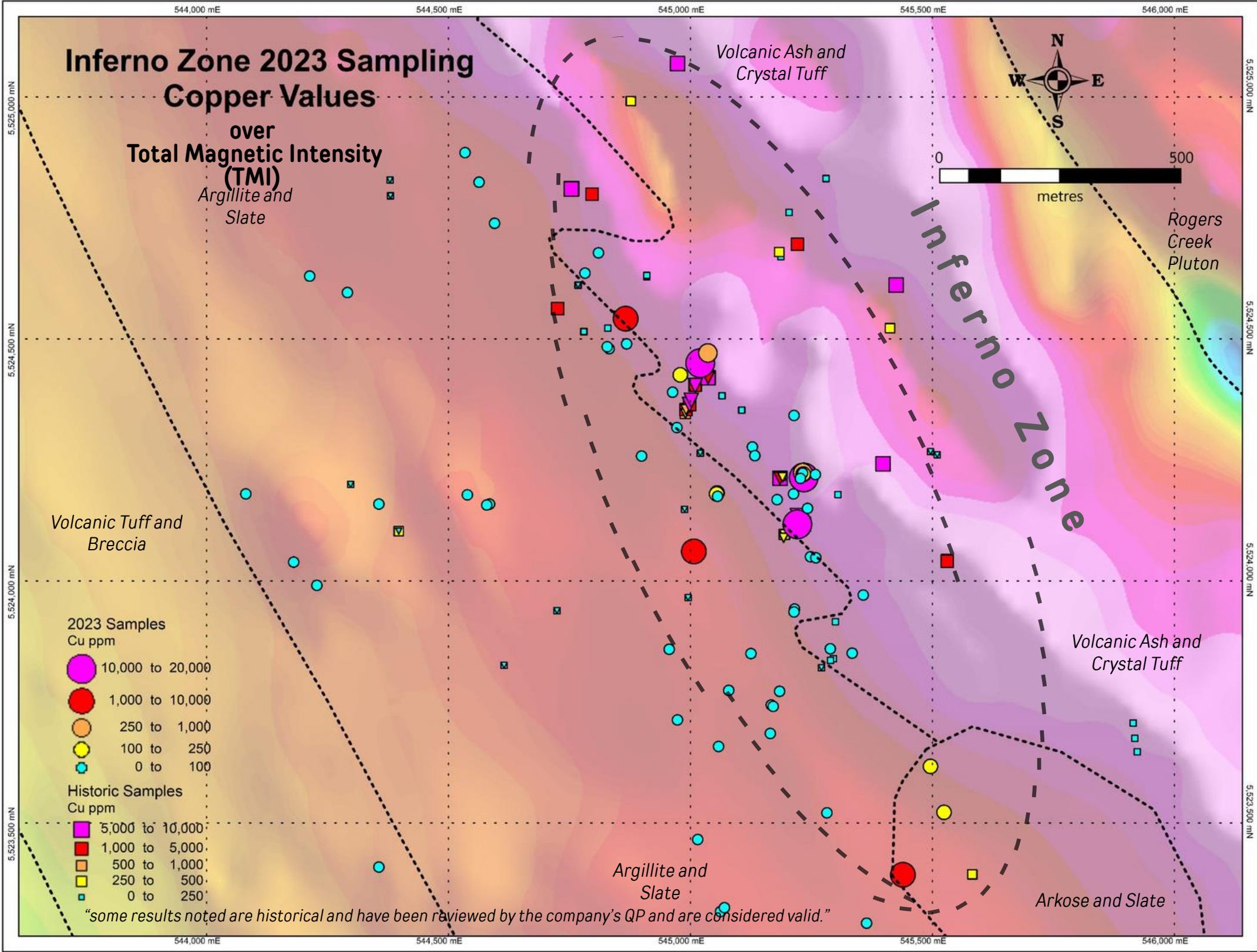
Shear at the Inferno Zone looking south. Distance across image in foreground is approximately 150m



# FIRE MOUNTAIN Cu-Au-Mo PORPHYRY PROJECT



## INFERNO ZONE COPPER IN ROCKS



- Copper is concentrated within quartz-magnetite veins and disseminated within altered dacitic tuff breccia and overlying calcareous tuff.
- 2023 grab sample highlighted results with copper values of up to 1.88% Cu.

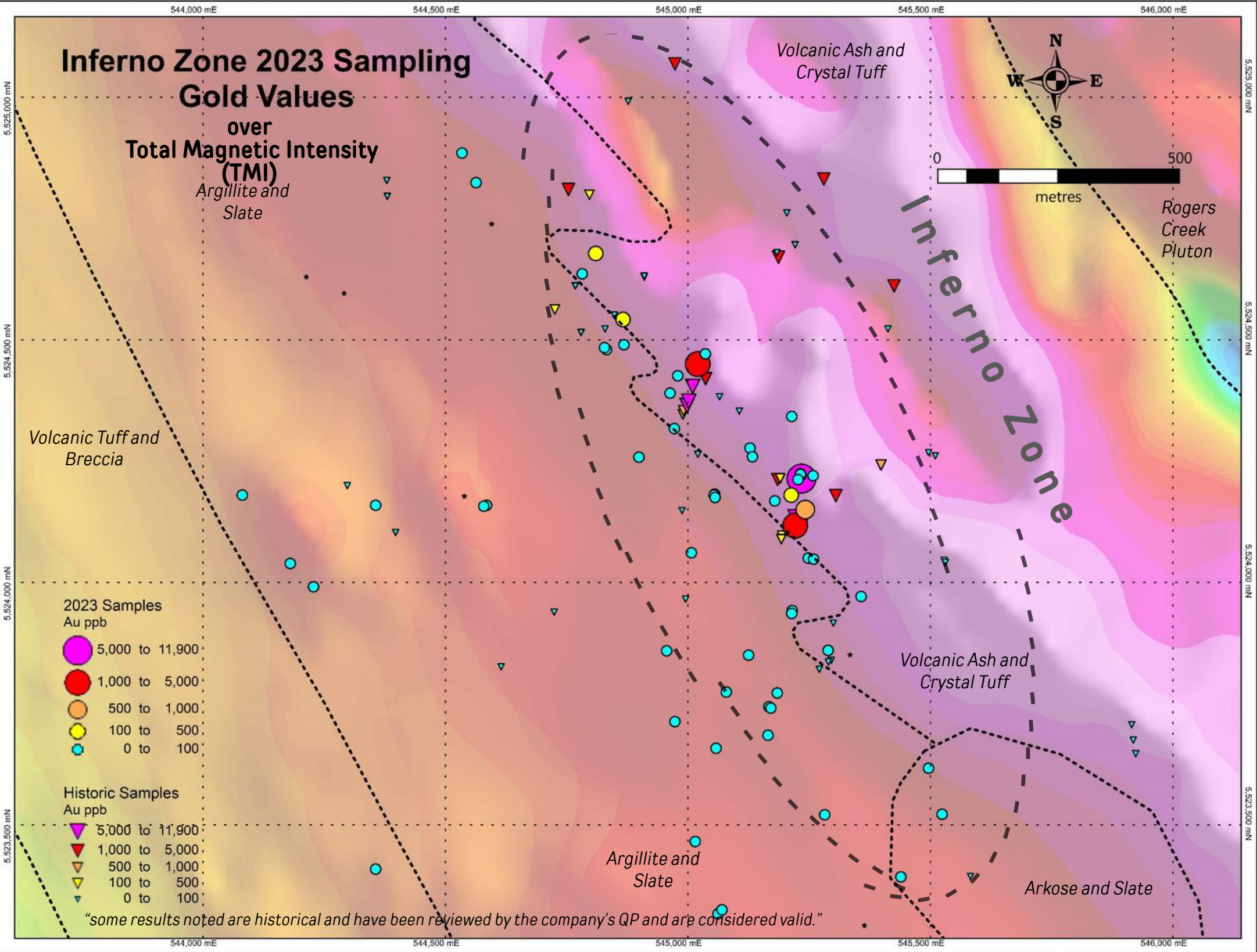




# FIRE MOUNTAIN Cu-Au-Mo PORPHYRY PROJECT



## INFERNO ZONE GOLD IN ROCKS



- Structurally controlled Cu-Au veins have never been drill tested
- 2023 grab sampling returned up to 4.7 g/t Au and 5.5 g/t Au with 76.5 g/t Ag and 42.4 g/t Ag



*Oxidized Shear Sample EMFIR015 at the Inferno Zone (1.88% Cu, 4.68 g/t Au, and 76.50 g/t Ag).*



# FIRE MOUNTAIN Cu-Au-Mo PORPHYRY PROJECT

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## PROJECT SUMMARY HIGHLIGHTS

- ~7,900 ha along a crustal-scale fault system proximal to the Miocene-aged Rogers Creek Pluton
- Largely underexplored ~13 km section along a major dilational jog with associated Tertiary intrusives
- Analogous to the Cu-Au porphyry-related deposits at the Copper Mountain - Ingerbelle Projects
- ~10 km long x ~2.5 km wide magnetic anomaly outlining prospective Cu-Au-Ag mineralization that exploits the Fire Creek Fault system structures and haloes the Rogers Creek Pluton
- 2023 sampling confirms copper, gold, and silver mineralization at the Inferno Zone where a zone of hydrothermal alteration within a propylitic envelope returned rock sample assays up to 5.51 g/t Au, 1.88% Cu, and 76.5 g/t Ag.
- Minimal historic sampling within the Rogers Creek Pluton on Fire Mountain East outlined at least three distinct 1-2km diameter wide zones of significant Cu-Mo-Au-W-Bi porphyry pathfinder element associations with coincident magnetic anomalies at major north-northwest arc-parallel and northeast structural intersections
- A wide-open, unglaciated, and mostly alpine to old growth land package with no previous drilling, IP, CSAMT, EM or other useful geophysical survey offers the opportunity for a cheap, early-stage potential major discovery

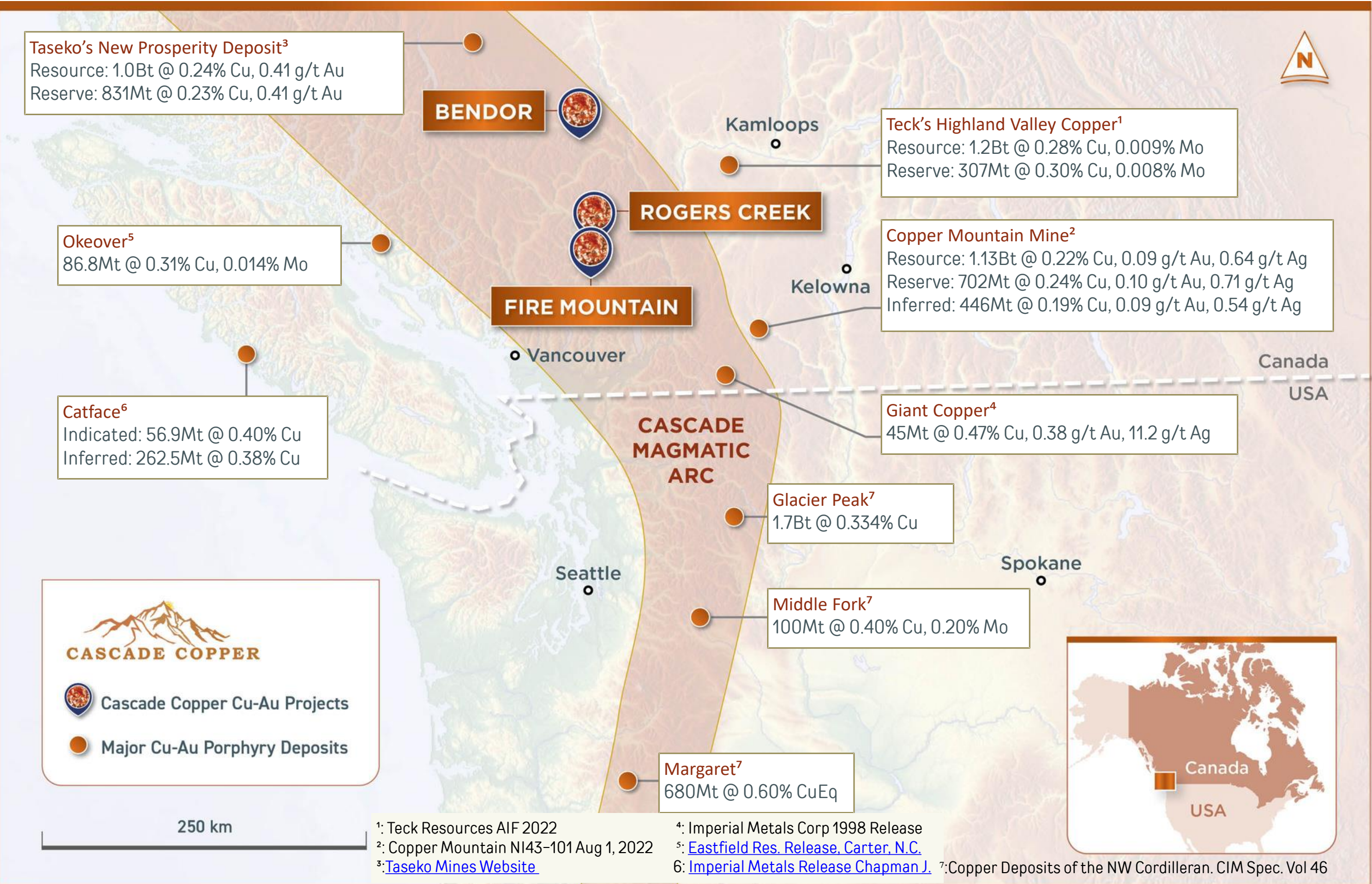
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# BENDOR GOLD PROJECT



## LOCATION



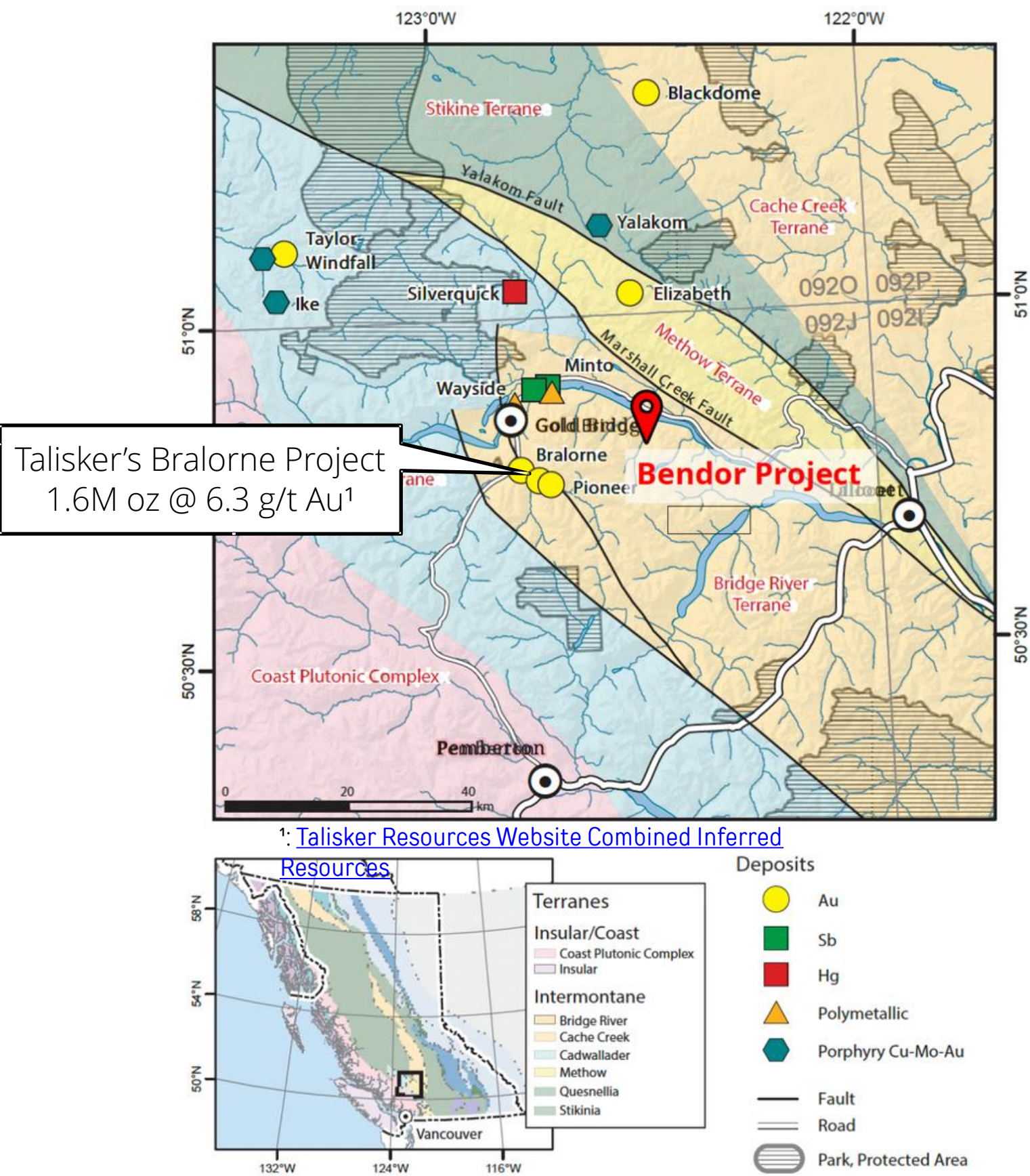
- The Bendor Project is a ~3,000-hectare gold project located within the Bridge River Gold Belt, a structurally complex north-west trending corridor of highly productive Au-Quartz vein occurrences.
- The Bendor Project is situated just 22km southeast of Highway 40 at Gold Bridge, BC. in a mining friendly jurisdiction due to the proximal location to the historic and past producing Bralorne and Pioneer Mines where ~4.5 million ounces of gold was produced.



# BENDOR GOLD PROJECT



## LOCATED WITHIN THE BRIDGE RIVER GOLD BELT



- The Bendor Project is located along the major North-West trending Downton Creek Fault system, which is related to the terrane bounding Marshall Creek Fault
- The Bendor Project is under-explored with only limited drill testing of the observed North-East structures where coincident Au-As anomalies occur. Very similar to the Bralorne and Pioneer Mines
- Talisker Resources has drilled 150,000m of core at their Bralorne project, identified 86 veins and currently have a 1.6M ounce inferred mineral resource estimate at 6.3 g/t Au with a potential for +5M ounces.<sup>1</sup> The resource includes the Bralorne mine, the Pioneer Mines, as well as the King and Charlotte Mines.

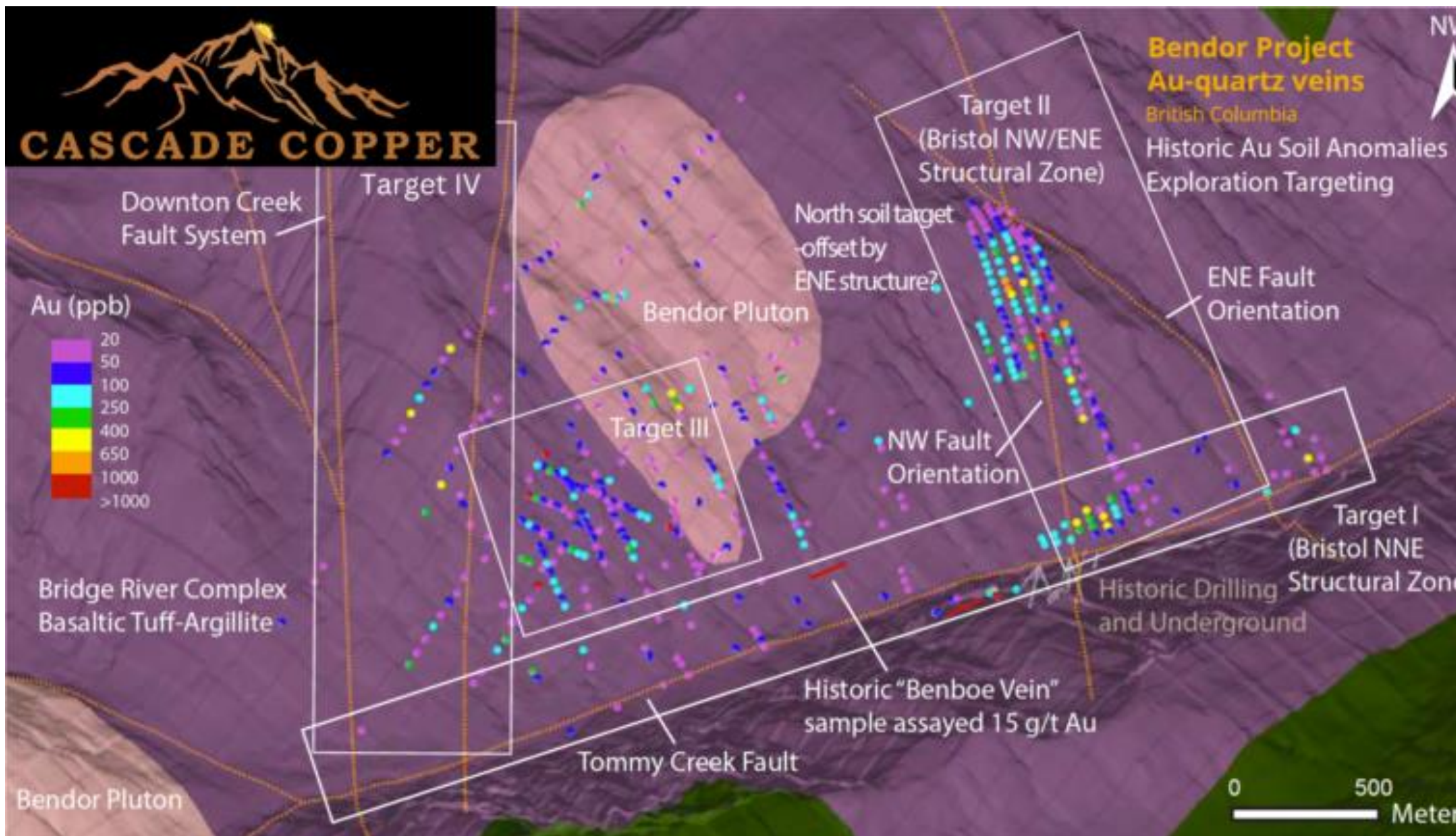
<sup>1</sup>: [Talisker Resources Website Combined Inferred Resources](#)



# BENDOR GOLD PROJECT



## GOLD TARGETS



- TARGET I: is located along the major North-North-East trending Bristol Structural Zone and Tommy Creek Fault. It hosts the historic drilling and underground workings.
- TARGET II: is bounded by an ENE Fault and a NW Fault and includes historic gold in soil anomalies that have not been drilled.
- TARGET III: has anomalous gold in soil along the margins of the small apophyses of the Bendor Pluton, which is suspected of being the heat and fluid source for the mineralized veins.
- TARGET IV: is a conceptual target based on the orientation of the fault systems and the evidence of mineralization from historic soil samples.

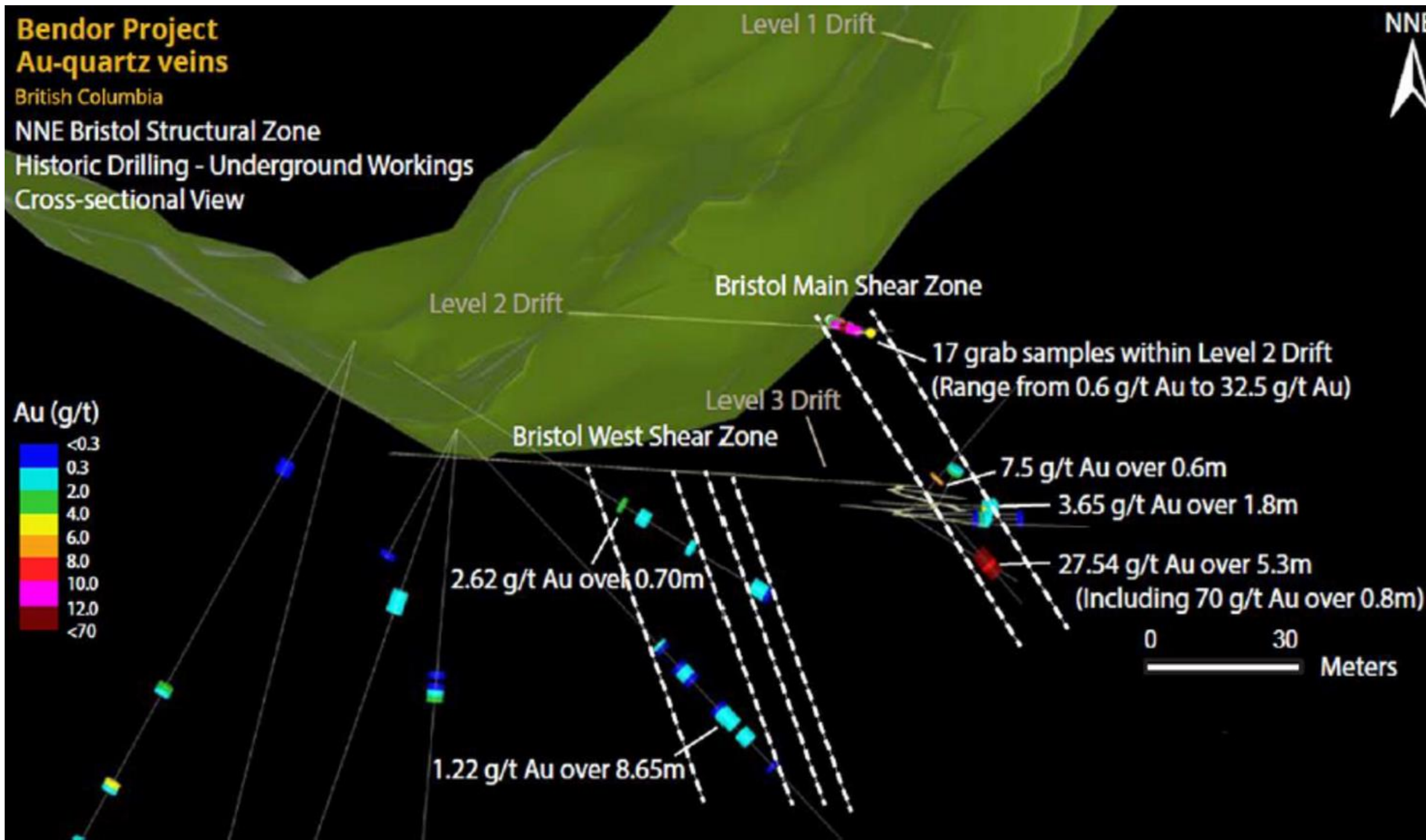
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# BENDOR GOLD PROJECT



## TARGET I – BRISTOL STRUCTURAL ZONE



- Historic underground development drifting outlined a major shear and fault system.
- Sampling along the Level 2 Drift returned assays from 0.6 g/t Au to 32.5 g/t Au
- Exploration drilling from the Level 3 Drift returned a highlight of 27.5 g/t Au over 5.3m, which included a 0.8m section of 70.0 g/t Au.

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# BENDOR GOLD PROJECT

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## PROJECT SUMMARY

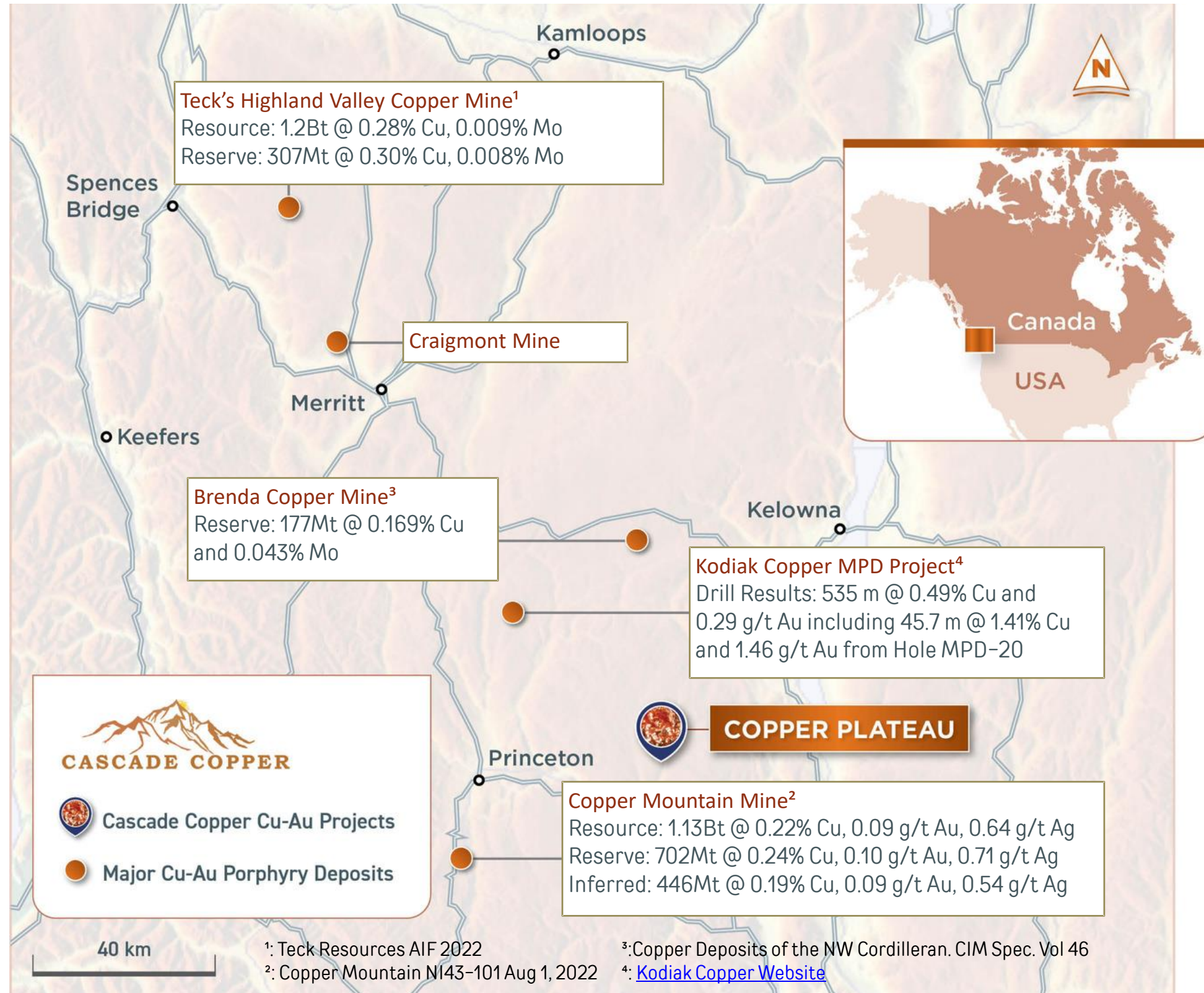
- Under-explored ~3,000 ha property approximately 20km East of Talisker's Bralorne-Pioneer Mines.
- Excellent potential for "Bralorne-Style" gold mineralization as both project areas share similar parameters:
  - **Rock Types:** hosted within the Bridge River Complex.
  - **Alteration:** Broad haloes of silicification and carbonatization.
  - **Mineralization:** Strong gold-arsenic correlation.
  - **Structural Trends:** Gold mineralization exhibits in multiple orientations, generally northwest, northeast, and east-west.
  - **Location:** Adjacent to the Bendor Pluton and centred on major structures
- Minimal historic drilling was designed to test only northeast trending mineralized systems at Bendor, with other important structural directions ignored.
- Complexities found in historic drilling may be explained by the recent recognition of the two other important structural directions.
- The northwest trending soil anomaly (1000 X 300 meters) at Target II next to the historic drilling and underground workings could be explained by shallow dipping extension veining that has never been directly drill tested.
- All four areas offer compelling targets for significant gold discovery



# COPPER PLATEAU COPPER-MOLY PROJECT



## LOCATION AND SUMMARY



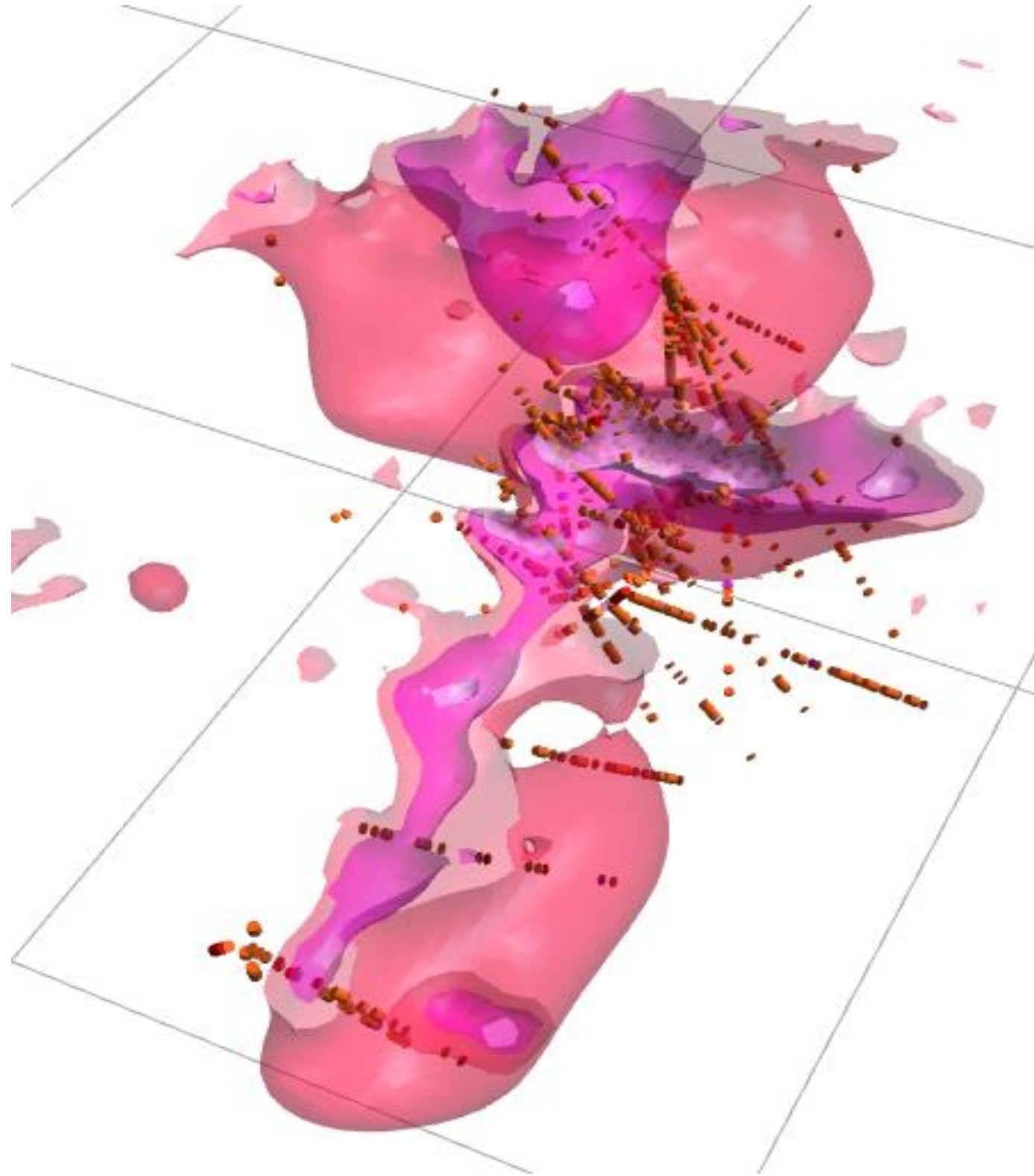
- Copper Plateau is located near operating and past producing copper mines and neighbouring Kodiak Copper's MPD Project
- Historic drilling included 99 holes by operators Anaconda, Jasper Mining, and Verdstone, with the last drill program at the Project having occurred in 2008.
- Compilation and modelling of historic work is in progress.
- Drilling will target resource expansion and step-outs along strike within a large coincident soil anomaly.



# COPPER PLATEAU COPPER-MOLY PROJECT



## HISTORIC RESULTS



Induced Polarization Chargeability Isoshells and  
drill hole intercepts greater than 500ppm Cu

- Copper Plateau Has 99 historic drill holes with the last drilled in 2008.
- Data includes copper and molybdenum with sporadic gold and silver analyses.
- Geophysics includes a 3D Induced Polarization survey completed over a small portion of the project area
- Soil geochemistry shows anomalism over 2 large areas, one covers the area where historic drilling has indicated significant mineralization, the second area along strike has not been explored or drill tested
- Compilation, review, and 3D modelling of historic work is in progress

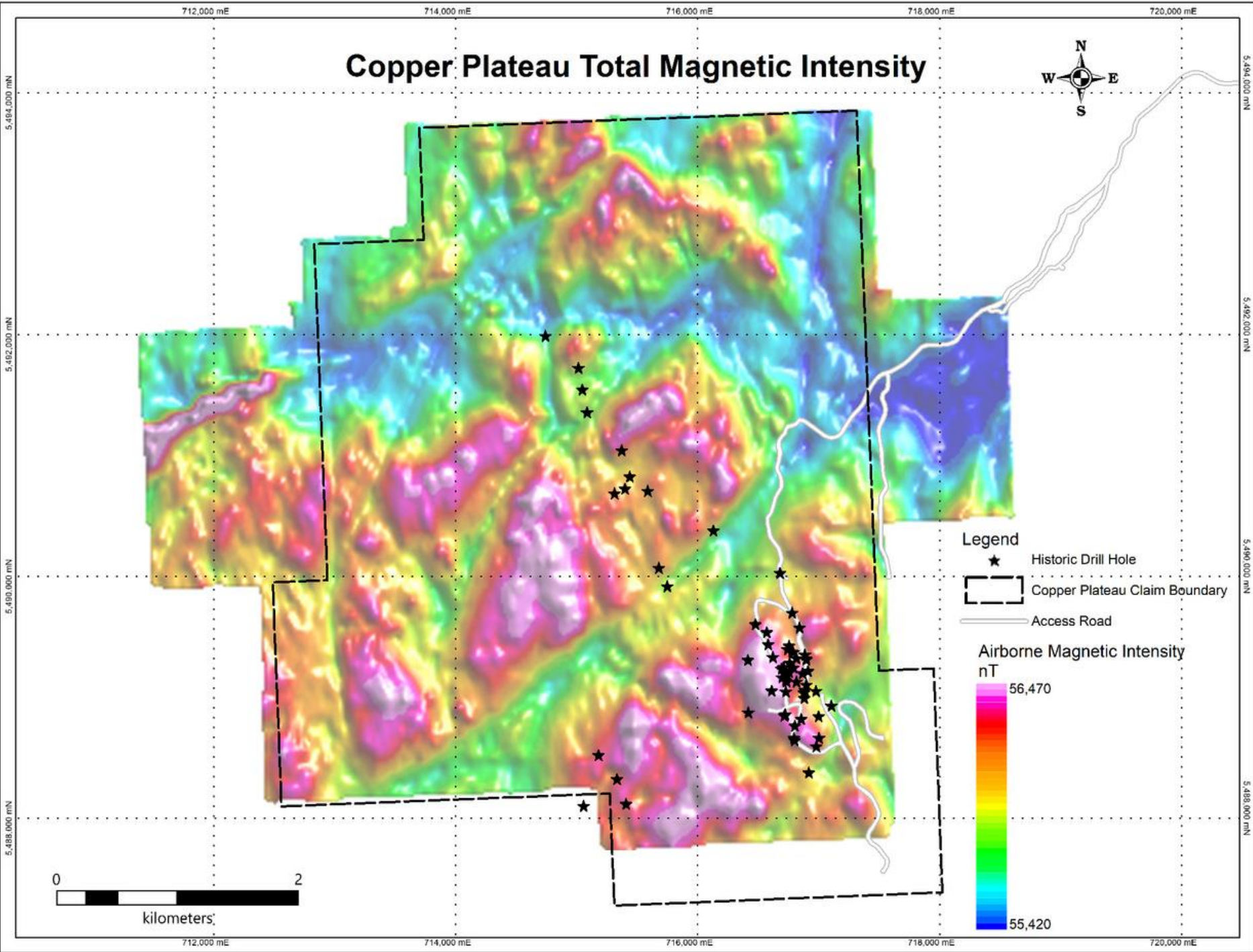
*\*results noted are historical and have been reviewed by the company's QP and are considered valid*



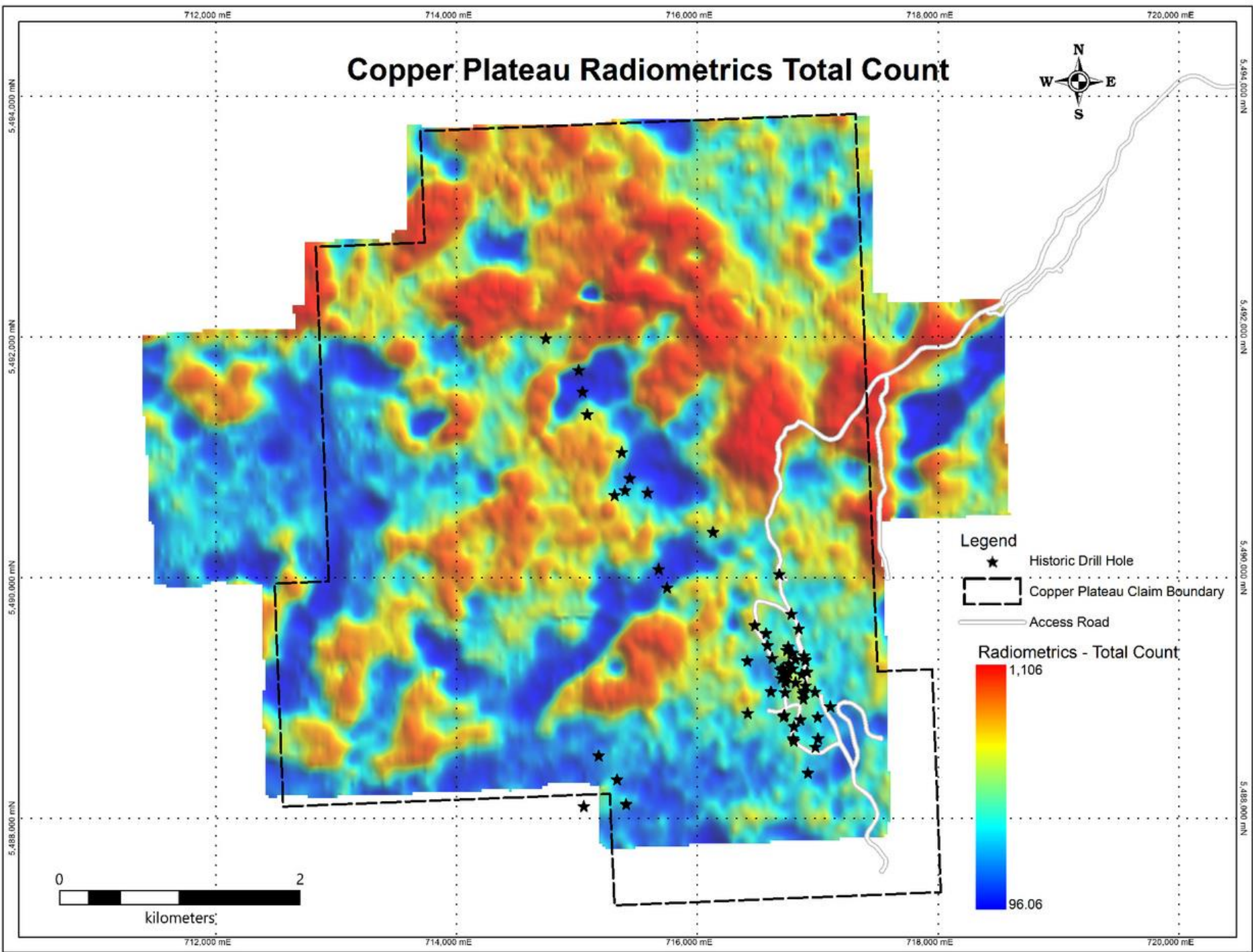
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## HISTORIC RESULTS



Total Magnetic Intensity at Copper Plateau with Drill Collar Locations



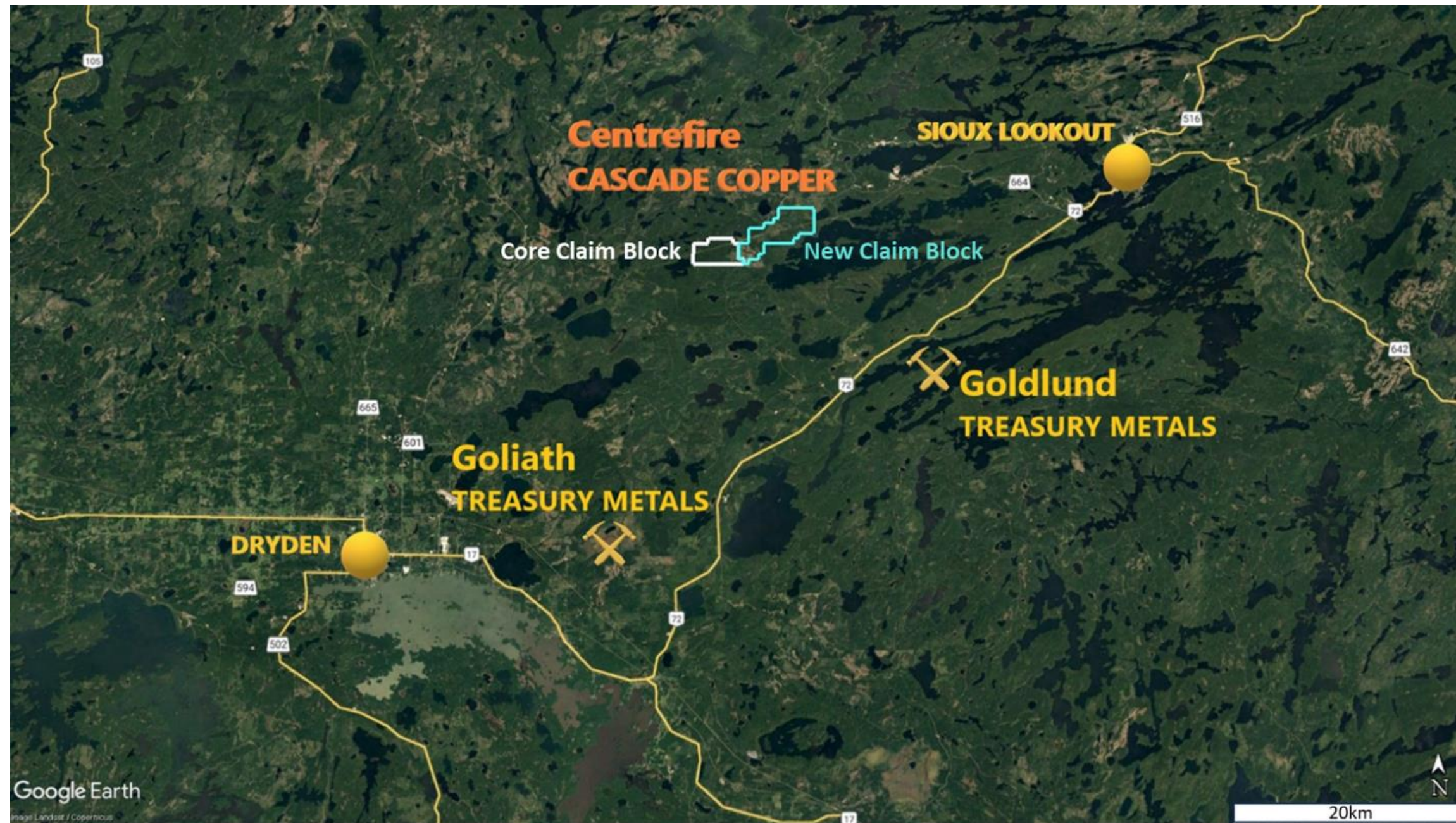
Total Count Radiometrics at Copper Plateau with Drill Collar Locations



# CENTREFIRE COPPER-GOLD PROJECT



## LOCATION AND SUMMARY



- The Centrefire Project is located in NW Ontario between Dryden and Sioux Lookout.
- The region is known for VMS, Iron Formation, Intrusion-Related Gold, and Lode Gold deposits.
- Historic exploration work includes geophysics, trenching, and limited drilling
- Exploration and Drilling will target expansion of the known mineralized zone in the west and at similar looking targets along strike to the NE.



# CENTREFIRE COPPER-GOLD PROJECT



## RECENT GRAB SAMPLE RESULTS



Oxidized volcanics in sample A0284709 returned 2.48% Cu and 1.215 g/t Au



Sample A0284714 returned 1.47% Cu and 0.357 g/t Au

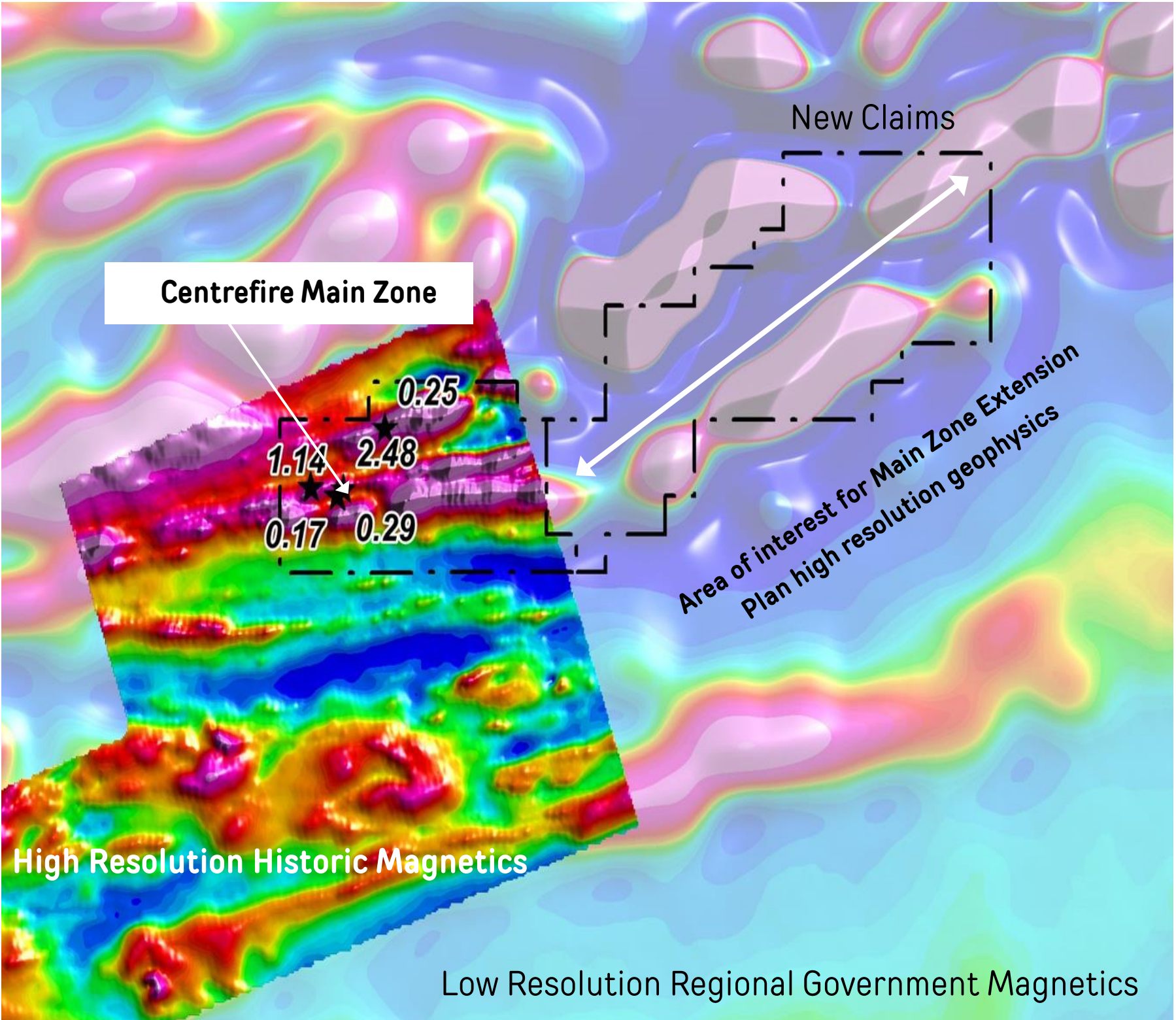
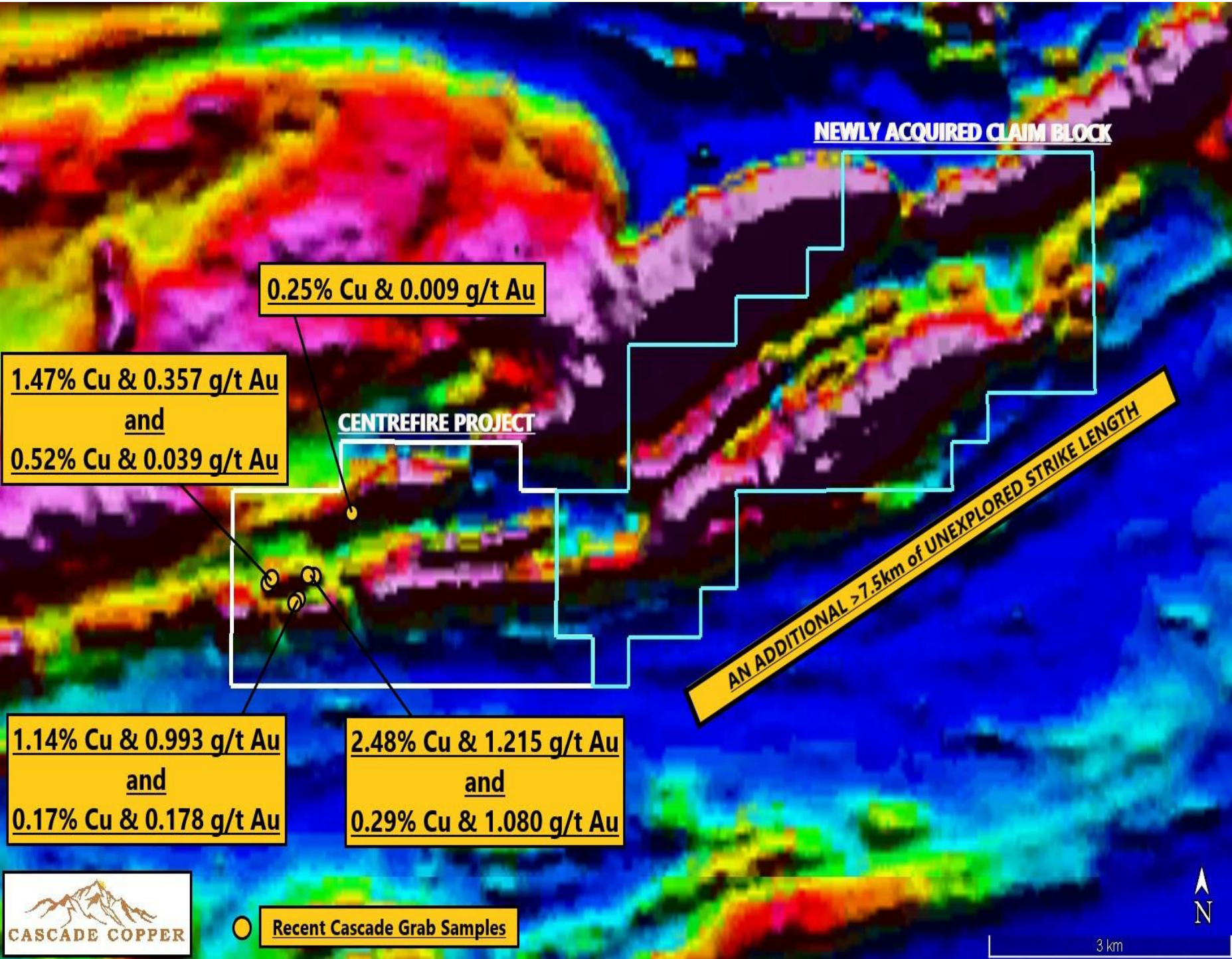
- Recent reconnaissance sampling by Cascade has returned some extremely encouraging results
- Results range from 0.17% Cu to 2.48% Cu and 0.009 g/t Au to 1.215 g/t Au with 3 samples assaying >1.0% Cu and at least 1.0 g/t Au.
- Multiple parallel regional magnetic trend of more than 7 kilometers has potential for new discovery.



# CENTREFIRE COPPER-GOLD PROJECT



## RECENT GRAB SAMPLE RESULTS & PLANS FOR 2024





# CASCADE COPPER CORP



## MOVING FORWARD BUILDING SHAREHOLDER VALUE



- Cascade operates with an economic and dynamic mindset, leveraging its expansive technical and financial pool of knowledge and expertise.
- We strive to quickly and efficiently evaluate the merit of new opportunities which may arise that present significantly positive risk-to-reward benefits for existing and future shareholders.
- Cascade is currently evaluating several highly prospective porphyry and epithermal copper-gold projects to build a portfolio of high-quality, low-cost projects at various stages of exploration.



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