

brixtonmetals.com

# THORN PROJECT Cu-Au-Ag-Mo

Northwest British Columbia, Canada

TSX-V: BBB

OTCQB: BBBXF

FR: 8BX1



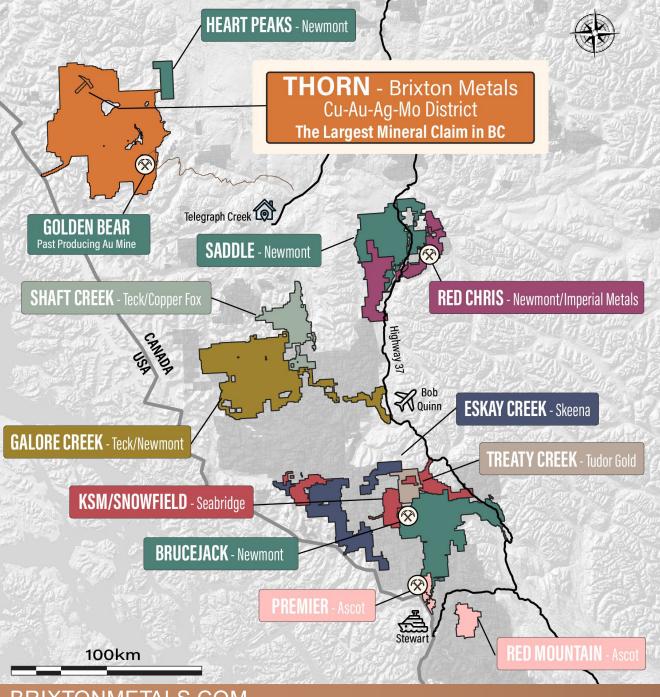
# SAFE HARBOUR STATEMENT

Information set forth in this presentation involves forward-looking statements, including but not limited to comments regarding planned drilling and other exploration, identification of new targets, and timelines, predictions and projections. Forward-looking statements are statements that relate to future, not past, events. In this context, forward-looking statements often address expected future business and financial performance, and often contain words such as "anticipate", "believe", "plan", "estimate", "expect", and "intend", statements that an action or event "may", "might", "could", "should", or "will" be taken or occur, or other similar expressions. By their nature, forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause our actual results, performance or achievements, or other future events, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking statements. Such factors include, among others, the following risks: the need for additional financing; operational risks associated with mineral exploration; fluctuations in commodity prices; title matters; and the additional risks identified on the Company's website or other reports and filings with the TSX Venture Exchange and applicable Canadian securities regulators. Forward looking statements are based on the Company and its management's good faith assumptions relating to the financial, market, regulatory and other relevant environments that will exist and affect the Company's business and operations in the future. Forward-looking statements in this presentation are not guarantees or predictions of future performance. Forward-looking statements are made based on management's beliefs, estimates and opinions on the date that statements are made, and the Company undertakes no obligation to update forward-looking statements if these beliefs, estimates and opinions or other circumstances should change, except as required by applicable securities laws. Investors are cautioned against attributing undue certainty to forward-looking statements.

Mr. Gary R. Thompson, P.Geo., Chairman, President and CEO of Brixton, is the QP who approved the scientific and technical information in this Presentation.



# PROJECT LOCATION - Northwest British Columbia A District Scale **Copper-Gold Porphyry Trend** on the Largest Contiguous Claim Block in BC The Flagship Project Thorn Cu Au Ag Mo CANADA BRITISH COLUMBIA USA



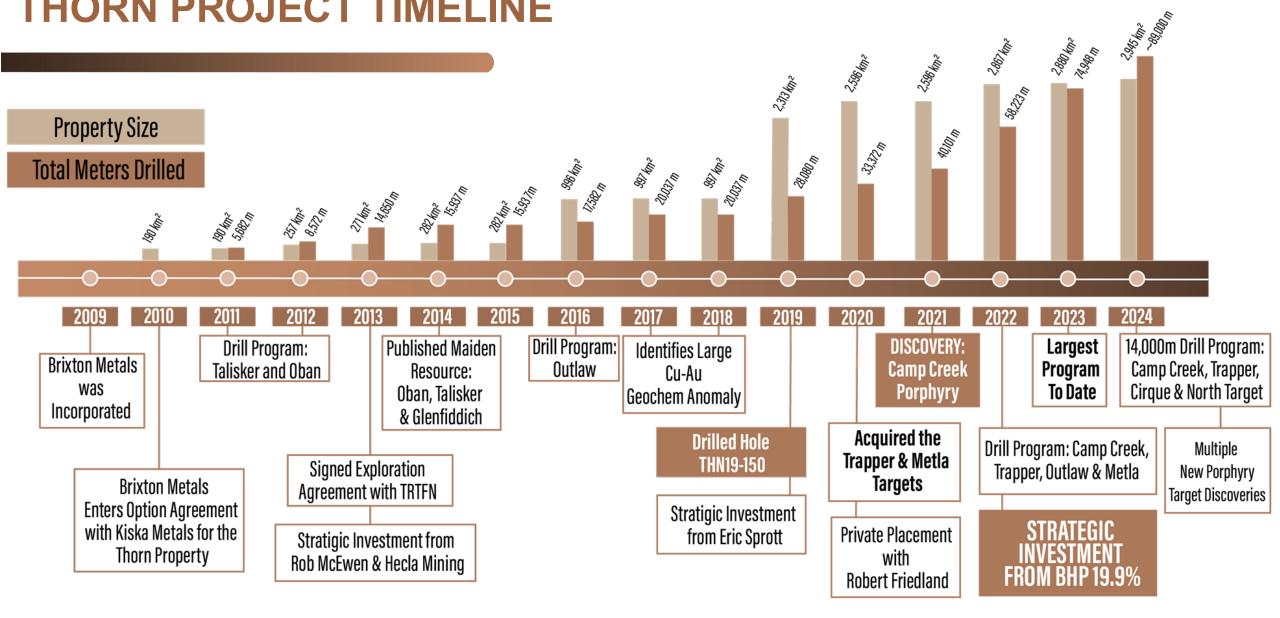
# THORN PROJECT

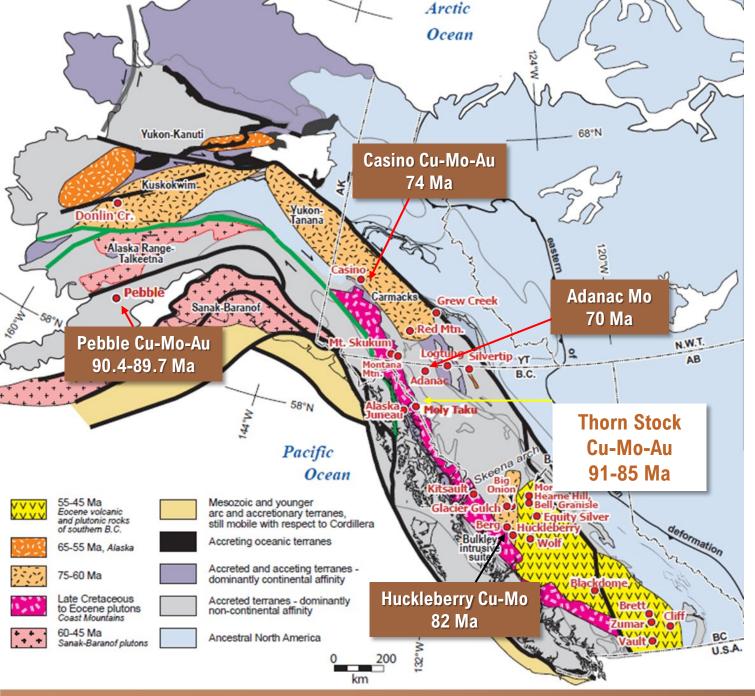
# The Flagship

wholly owned

- Located on trend with British Columbia's prolific Golden Triangle
- In partnership with the Taku River Tlingit and Tahltan First Nations
- Easy access via 45 minute flight from Whitehorse, YT
- A massive 2,945km<sup>2</sup> claim block
- Potential access to US tide waters
- Golden Bear mine road to Hwy 37
- District-scale project with many large exploration targets
  - Calc-Alkalic Cu-Au-Ag-Mo Porphyry
  - Alkalic Cu-Au Porphyry
  - Epithermal Au-Ag
  - Volcanic & Sediment hosted Au-Ag

# THORN PROJECT TIMELINE





# THORN TERRANE

### **STIKINIA**

The Thorn Project is located within the Stikine Terrane, an Upper Triassic to Lower Jurassic accreted exotic magmatic arc in the Intermontane belt of the northern Cordillera.

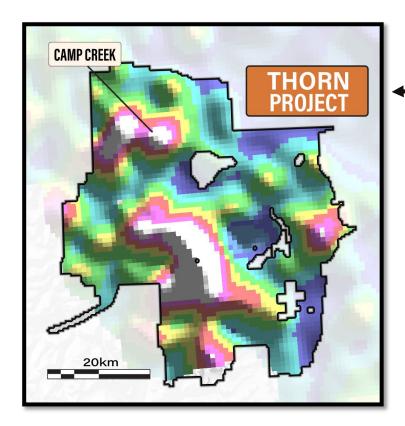
The belt includes Late Triassic to Eocene magmatism, transcurrent faults and associated deposits.

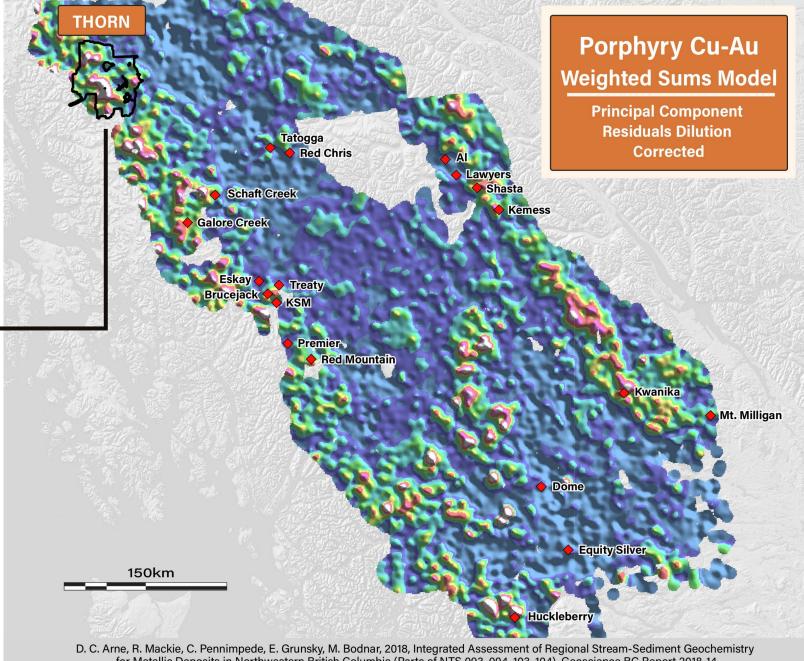
Nelson, J., and Colpron, M., 2007, Tectonics and metallogeny of the British Columbia, Yukon and Alaskan Cordillera, 1.8 Ga to the present, in Goodfellow, W.D., ed., Mineral Deposits of Canada: A Synthesis of Major Deposit-Types, District Metallogeny, the Evolution of Geological Provinces, and Exploration Methods: Geological Association of Canada, Mineral Deposits Division, Special Publication No. 5, p. 755-791.

# **BCGS REGIONAL GEOCHEMICAL SURVEY**

Re-Analysis 2018

The Thorn Project encompasses one of the largest and highest-ranking Porphyry Copper-Gold geochemical anomalies within BC





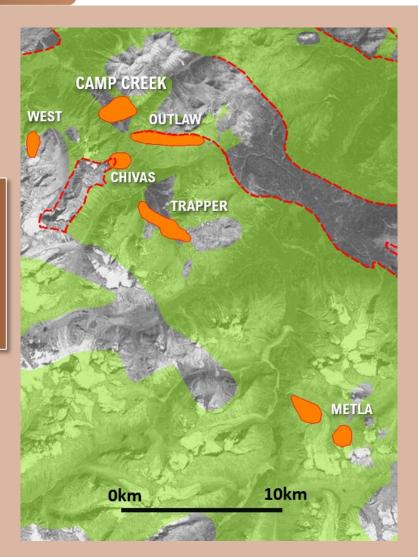
for Metallic Deposits in Northwestern British Columbia (Parts of NTS 093, 094, 103, 104), Geoscience BC Report 2018-14

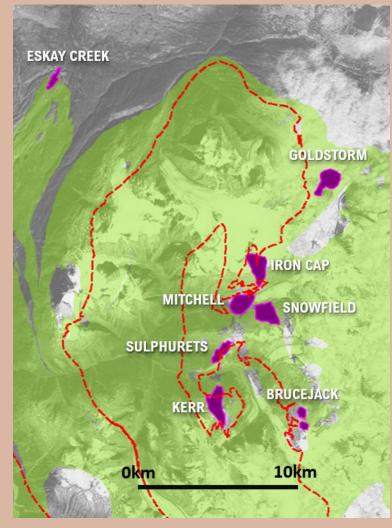
# SCALE COMPARISON: THORN vs SULPHURETS CAMP

The Thorn Project is 2,945 km<sup>2</sup>

This side-by-side scale comparison demonstrates that the entire Sulphurets Camp in the Golden Triangle fits within the Camp Creek to Metla region at Thorn.







<sup>\*</sup>For scale comparison only. Brixton makes no assurances on resource addition to the Thorn Property.

# **REGIONAL GEOLOGY**

### **DEPOSIT TYPE**

Porphyry

**Epithermal** 

**Other** 

**DEPOSIT AGE** 

Creataceous

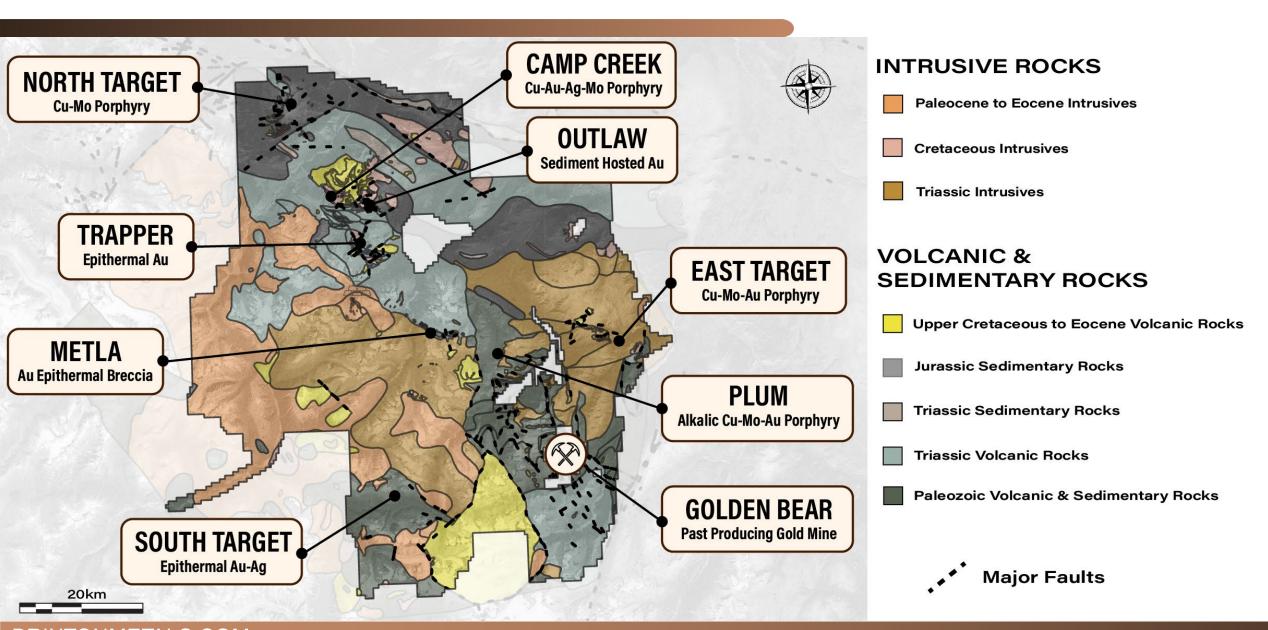
**Jurassic** 

**Triassic** 

**REGIONAL LINEAMENT** 



# THORN SIMPLIFIED GEOLOGY & TARGET AREAS

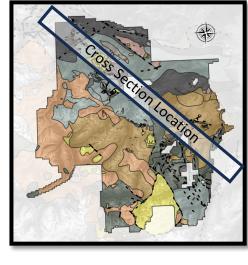


# THORN LONG SECTION AGE DATES

Re-Os

U-Pb Zr

40Ar/39Ar





 $85.5 \pm 0.7$ 

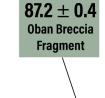
Megacrystic

Monzonite

**Porphyry** 

**Viewing Northeast** 





93.3 ± 2.4

Diorite

85.2 ± 1.2

 $84.8 \pm 0.5$ 

**Vein Sample** 

220.0 ± 3.1 Granodiorite

Late Cretaceous Volcanics 307 ± 0.8

Felsic

Volcanics

91.4 ± 0.4
Plag-Biotite
Porphyry

 $\begin{array}{c} \textbf{219.2} \pm \textbf{3.5} \\ \textbf{Granodiorite} \end{array}$ 

Lower Jurassic Undivided Sediments

Triassic s Volcanics

Cretaceous Thorn Stock

Triassic Intrusive Complex

Paleozoic Volcanics

Triassic Intrusive Complex

**NORTH TARGET** 

Cu-Mo Porphyry CAMP CREEK

Cu-Au-Ag-Mo Porphyry OUTLAW Sediment

**Hosted Au** 

TRAPPER
Epithermal
Au

**METLA** 

Au Epithermal Breccia PLUM

Alkalic Cu-Mo-Au Porphyry **EAST TARGET** 

Cu-Mo-Au Porphyry

**70 KM** 



## Rock Samples

Cu (%)

> 1

0.1 to 1

0.05 to 0.1

### Soil Samples

Cu (ppm)

> 1,000

500 to 1,000

100 to 500

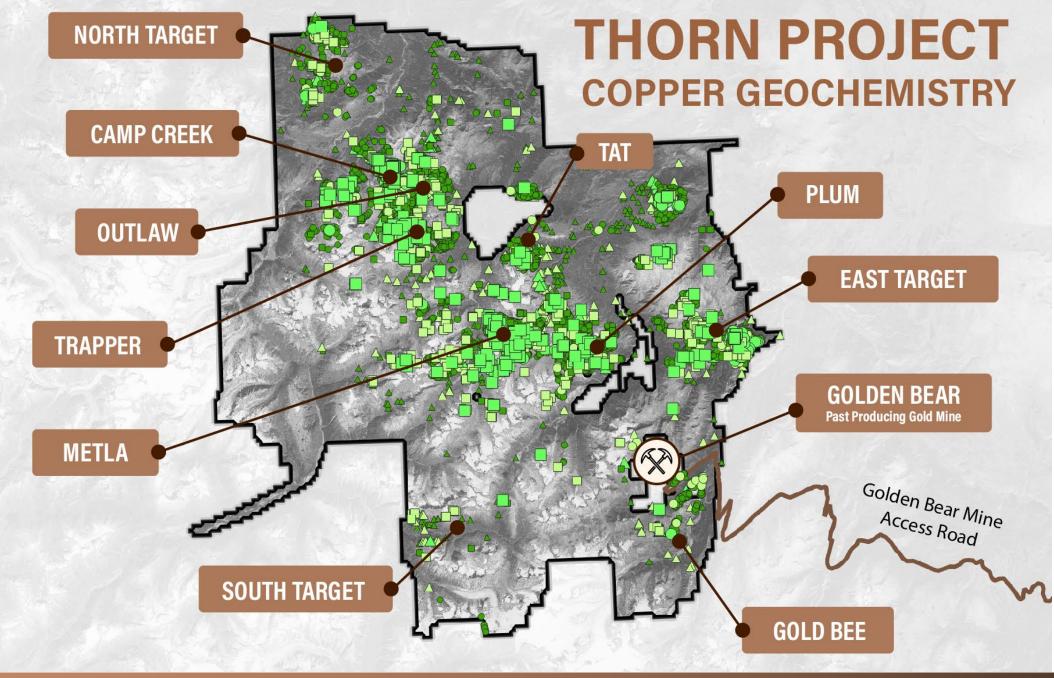
### **Silt Samples**

Cu (ppm)

<u>△</u> > 200

△ 100 to 200

▲ 50 to 100



20km



### Rock Samples

Au (g/t)

> 10.0

2.0 to 10.0

0.5 to 2.0

### **Soil Samples**

Au (ppb)

> 500

0 100 to 500

O 30 to 100

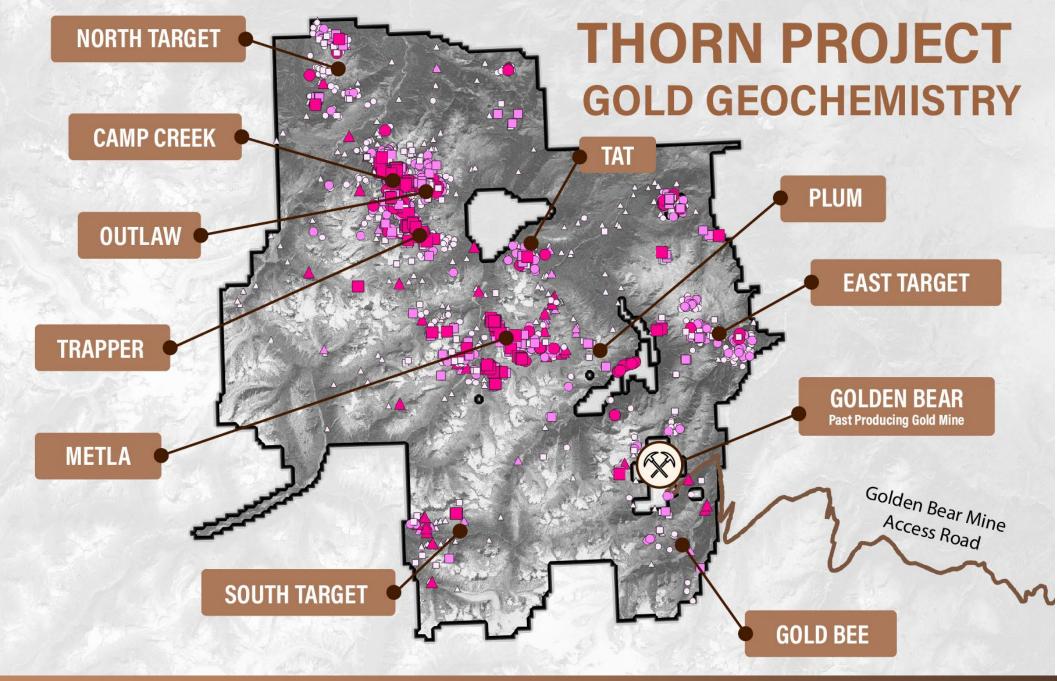
### Silt Samples

Au (ppb)

> 100

△ 50 to 100

△ 10 to 50



20km

# **PORPHYRY ALTERATION**

Widespread porphyry alteration minerals mapped across the property, highlighting several anomalous areas.

ASTER-SENTINEL 2 data acquired for the property in 2020

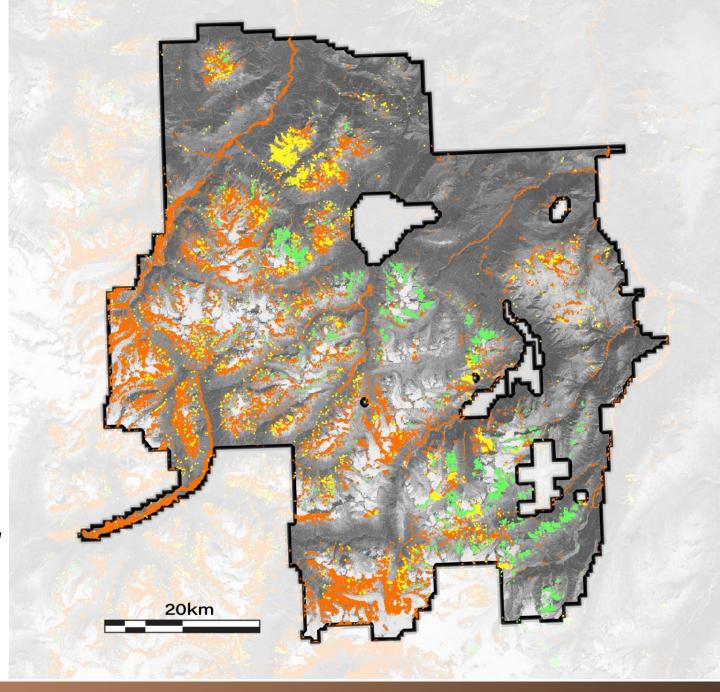
# **ASTER**

Alteration Mineral Mapping

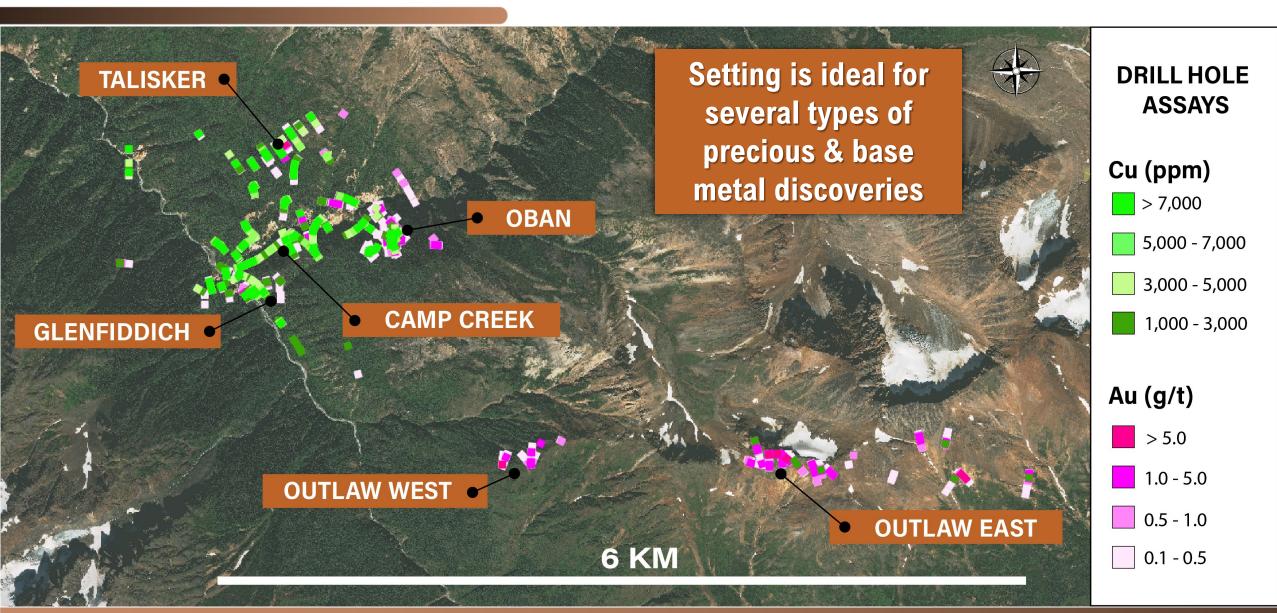


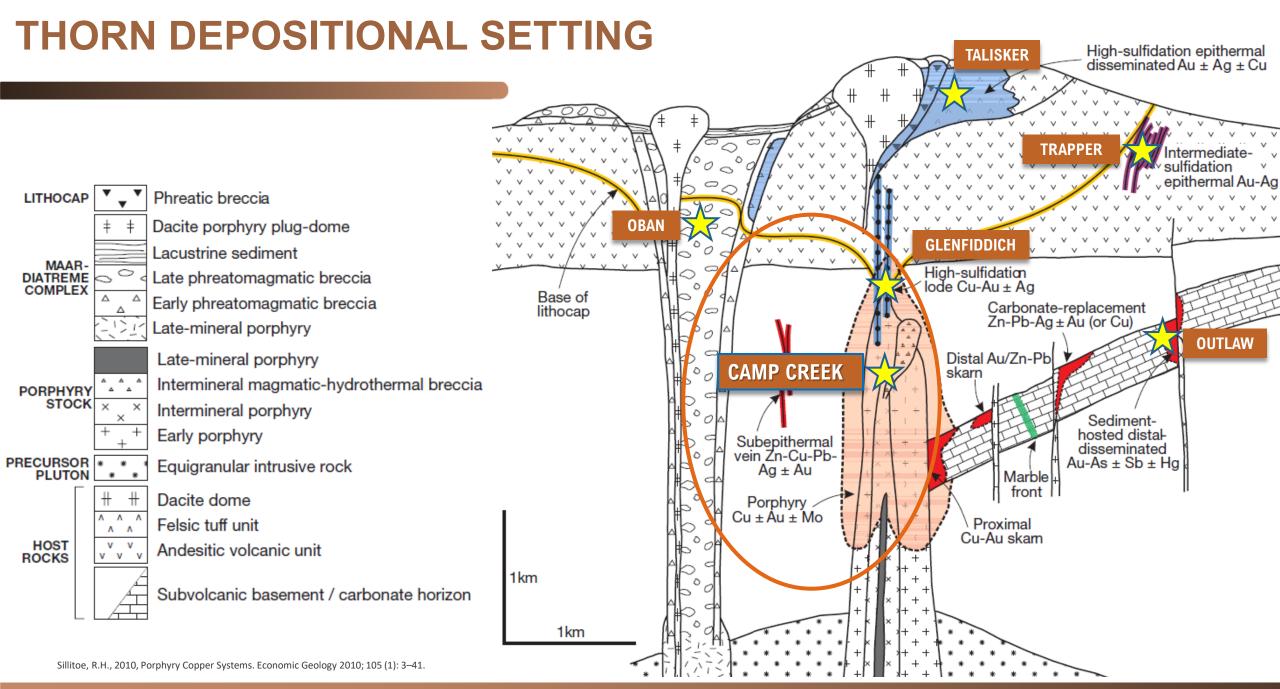
Muscovite

Clay



# **CAMP CREEK & OUTLAW TARGET AREAS**





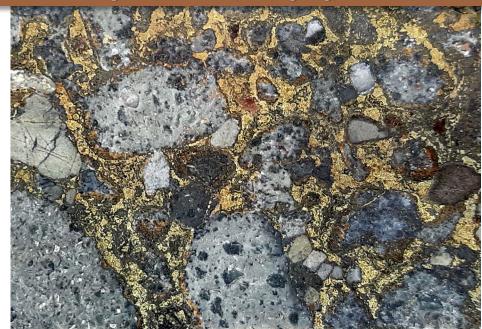
# CAMP CREEK ACID SULFATE ALTERATION



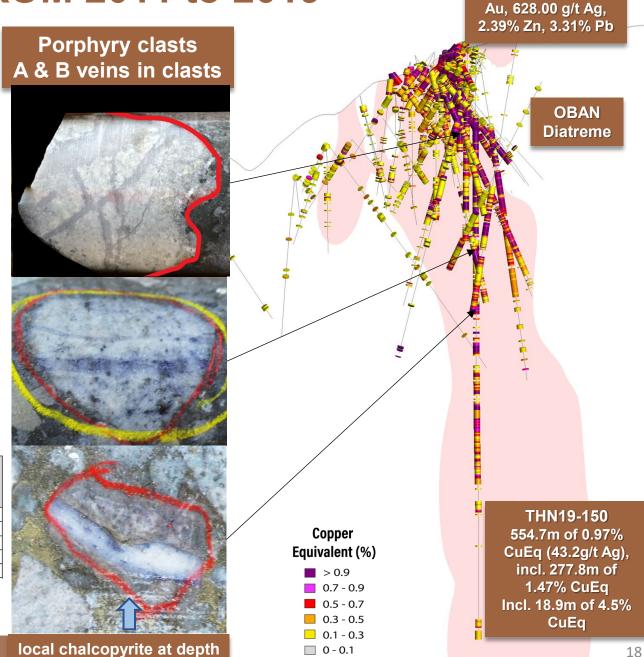
# **DEEP PORPHYRY EVIDENCE FROM 2011 to 2019**

### **THN19-150 OBAN**

554.70 m of 0.57 g/t Au, 0.24% Cu, 43.18 g/t Ag, 0.55% Zn, 0.28% Pb



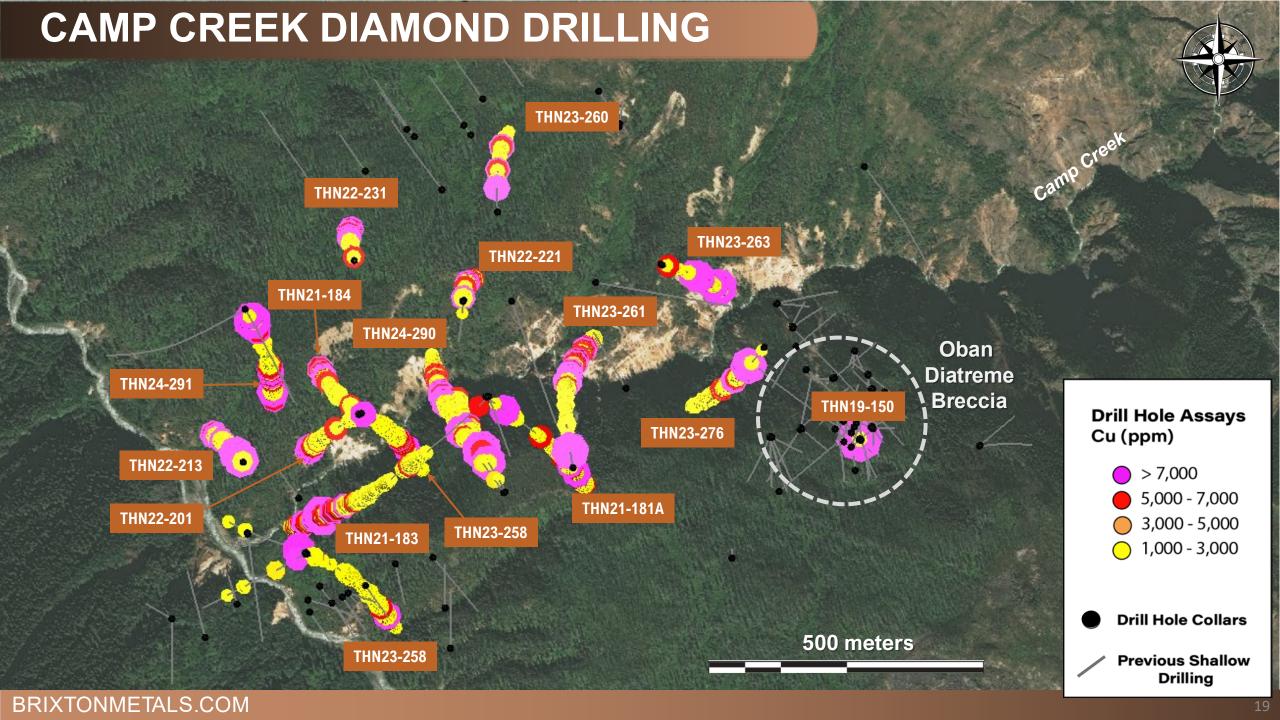
				In-Situ Grade						Contained Metal					
Deposit		Density (t/m³)	Tonnage x 1000	Grade AgEq (g/t)	Grade Ag (g/t)	Grade Au (g/t)	Grade Cu (%)	Grade Pb (%)	Grade Zn (%)	Metal AgEq Oz x 1000	Metal Ag Oz x 1000	Metal Au Oz x 1000	Metal Cu Lbs x 1000	Metal Pb Lbs x 1000	Metal Zn Lbs x 1000
Oban	In-Pit	2.82	3,700	105.07	50.82	0.40	NA	0.31	0.58	12,500	6,000	50	NA	25,200	47,500
	Underground	2.82	500	113.84	50.51	0.46	NA	0.37	0.67	1,900	800	10	NA	4,100	7,600
Glenfiddich	In-Pit	2.84	1,100	57.78	16.01	0.48	0.13	NA	NA	2,100	600	20	3,200	NA	NA
Talisker	In-Pit	2.76	2,100	73.77	15.29	0.75	0.13	NA	NA	5,000	1,000	50	6,100	NA	NA
	Total	2.81	7,400	89.75	35.54	0.51	0.13	0.32	0.59	21,500	8,400	130	9,300	29,300	55,100



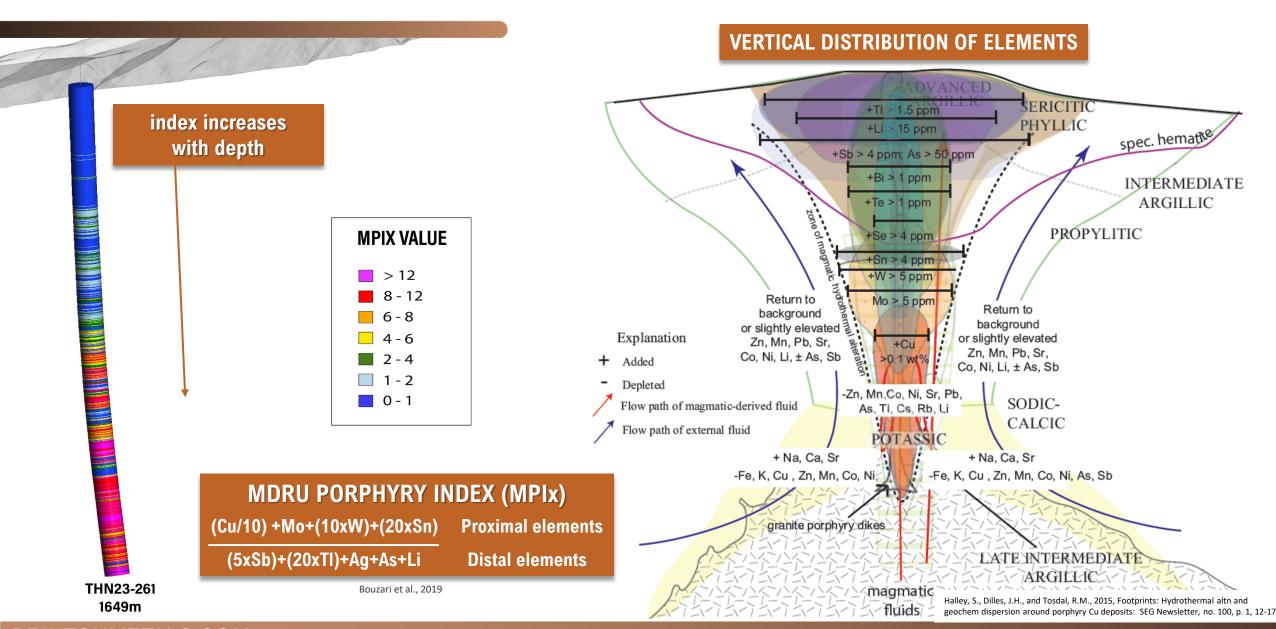
THN11-60

95.08 m of 1.71 g/t

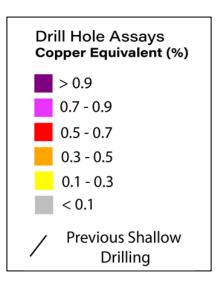
ver Equivalents are based on US \$20 Silver, \$1200 Gold, \$3 Copper, \$1 Lead, and \$1 Zinc, with metal recoveries of 90%



# PORPHYRY VECTORING - GEOCHEMISTRY

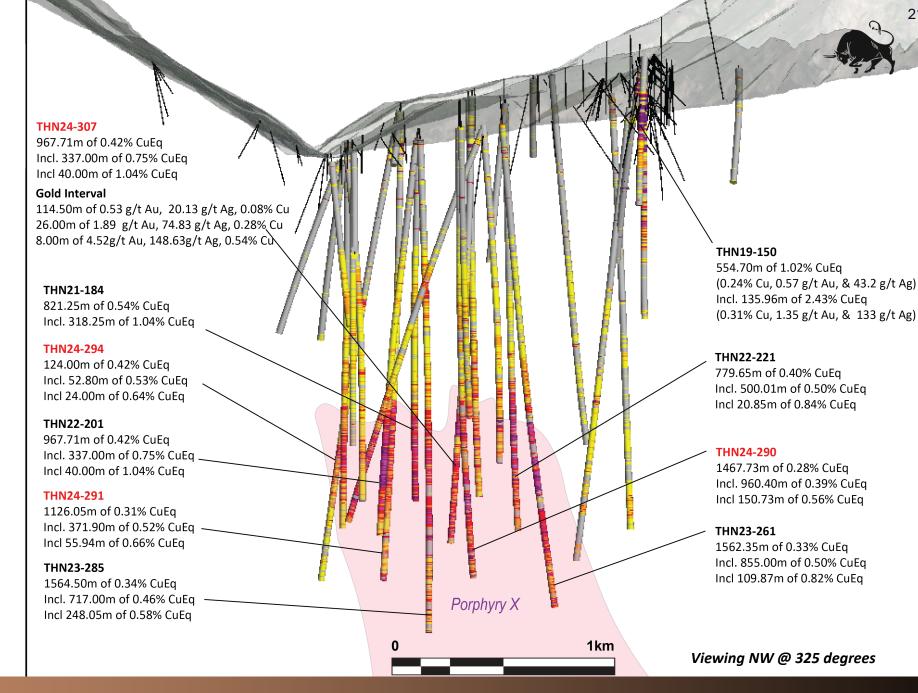


# CAMP CREEK: PORPHYRY DISCOVERY

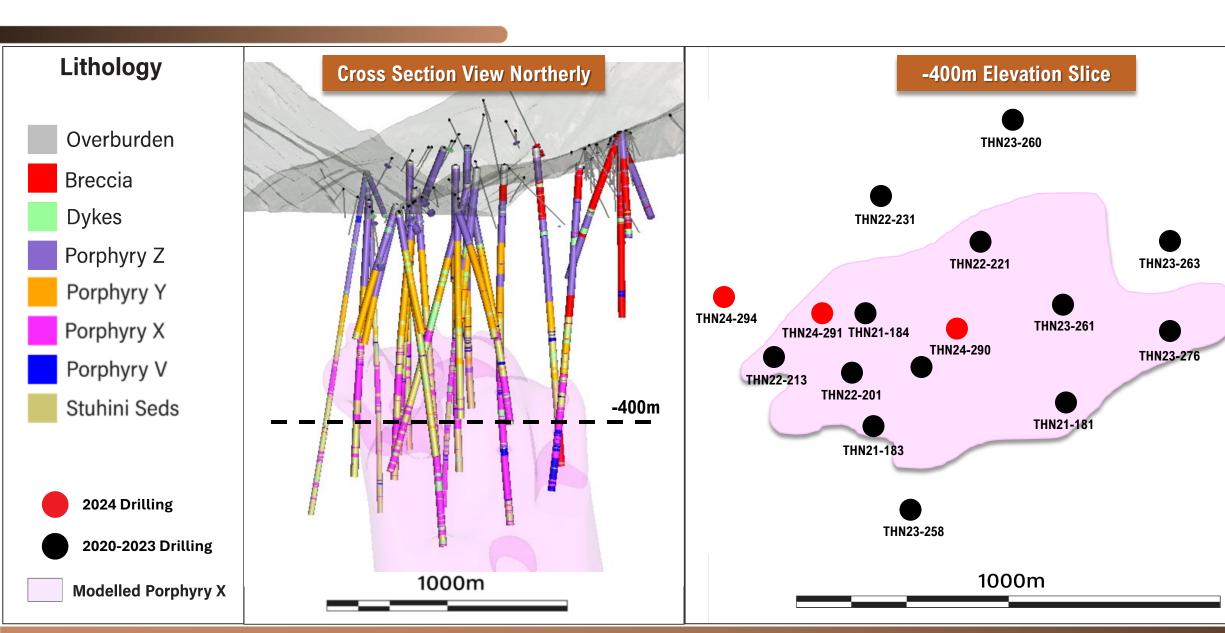


Copper Equivalent (CuEq) is calculated based on US\$ 4.02/lb Cu, US\$ 2105.6/oz Au, US\$ 25.16/oz Ag, \$US 20.99/lb Mo. These prices represent the approximate metal prices and calculations assume 95% metal recoveries.

CuEq % = (Cu % + (0.764486\* Au g/t) + (0.009134 \* Ag g/t) + (0.000523 \* Mo ppm)) \* 0.95



# -400m BELOW SEA LEVEL ELEVATION SLICE



# THN22-201: STRIP LOG

### **LITHOLOGY**

Overburden Intermediate Dyke



Mafic Dyke



Monzodiorite

Porphyry W



Porphyry X



Porphyry Z

Siltstone

Sandstone

### **ASSAYS**

Cu Eq (%)

0.75 - 1

0.50 - 0.75

0.25 - 0.50

0.10 - 0.25

< 0.10

Cu (ppm)

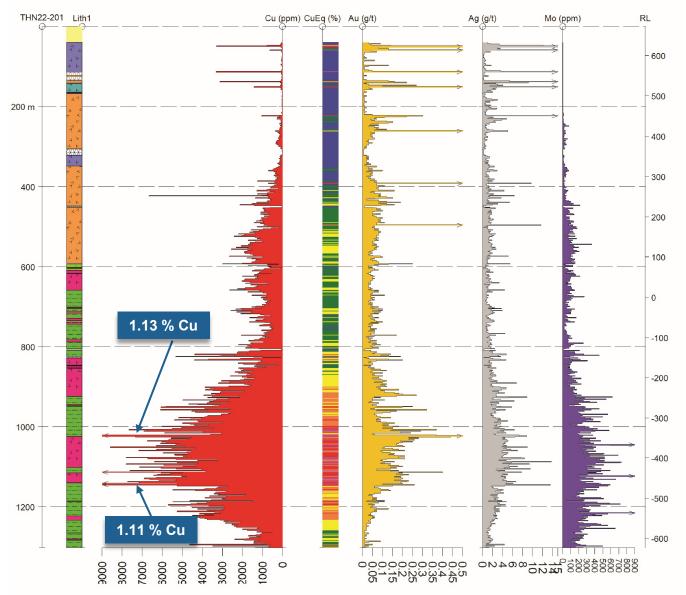
Au (g/t)

Ag (g/t)

Mo (ppm)

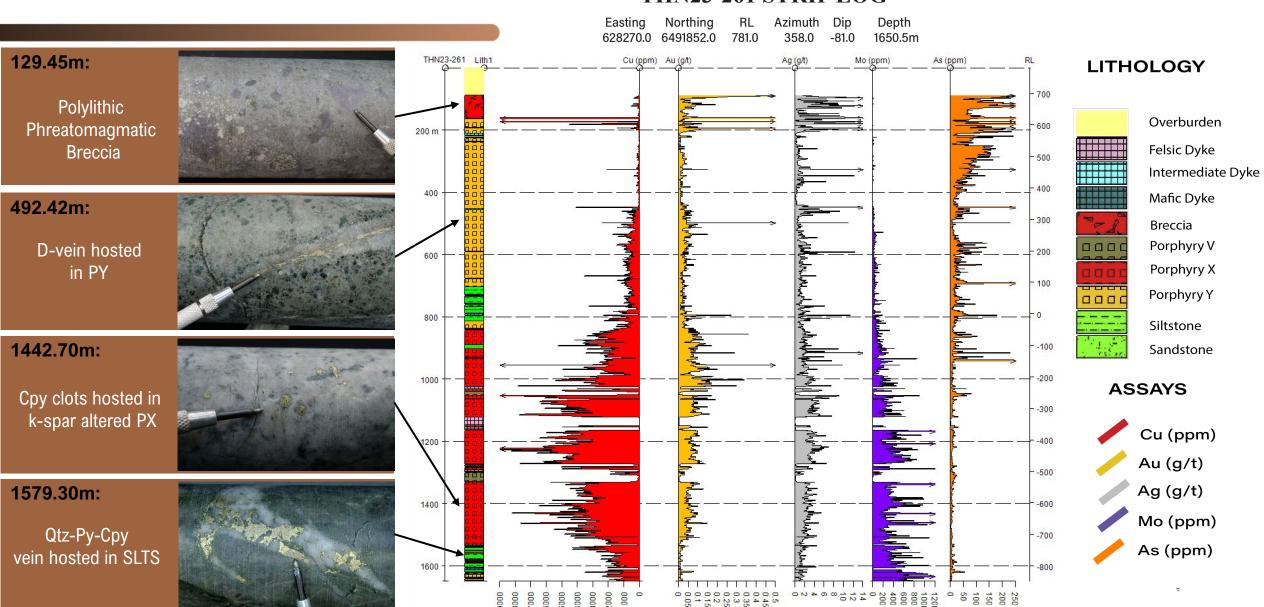
### **THN22-201 STRIP LOG**

Northing Azimuth Dip Depth 627876.0 6491944.0 672.0 -83.1 1302.0m 239.2



# THN23-261: STRIP LOG

### THN23-261 STRIP LOG



# THN23-261 MINERALIZATION HIGHLIGHTS



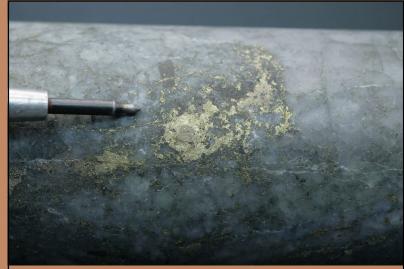
**161.8m:** 1.00m of 1.28g/t Au, 150.0g/t Ag & 1.97% Cu Fracture filled semi-massive Py-Ss hosted in BX



**172.60m:** 1.50m of 0.63g/t Au, 159.0g/t Ag & 2.74% Cu Py-Ss Vein hosted in Porphyry Y



1461.85m: 2.00m of 0.64% Cu & 1215ppm Mo Cpy A-vein hosted in Porphyry X



**1231.49m:** 2.00m of 0.10g/t Au, 0.82% Cu & 543ppm Mo Qtz-Cpy-Py-Mo mineralization hosted in PX



**1430.10m:** 2.00m of 0.10g/t Au, 0.82% Cu & 527ppm Mo

Cpy-Mo hosted in Porphyry X



955.5m: 0.72m of 0.53 g/t Au, 9.69 g/t Ag, 1.34% Cu & 514ppm Mo Cpy-Mt-Py Qtz-Carb vein hosted in Porphyry X

# CAMP CREEK MINERALIZATION HIGHLIGHTS



**THN22-201 at 1023.10m:** 1.9m of 0.60g/t Au, 8.81g/t Ag, 1.14% Cu & 250ppm Mo Cpy on fractured surface hosted in SLTS



**THN22-221 at 1040.25m:** 2.00m of 0.20g/t Au, 5.13g/t Ag, 0.69% Cu & 254ppm Mo Mo-Cp Vein hosted in Porphyry X



**THN22-201 at 1092.90m:** 2.00m of 0.14g/t Au, 9.30g/t Ag, 0.78% Cu & 395ppm Mo Py-Cpy D-vein hosted in Porphyry X



**THN22-231 at 793.85m:** 1.50m of 0.42g/t Au, 12.1 g/t Ag, 0.77% Cu & 152.50ppm Mo Mt-Py-Cpy D-Vein hosted in SLTS

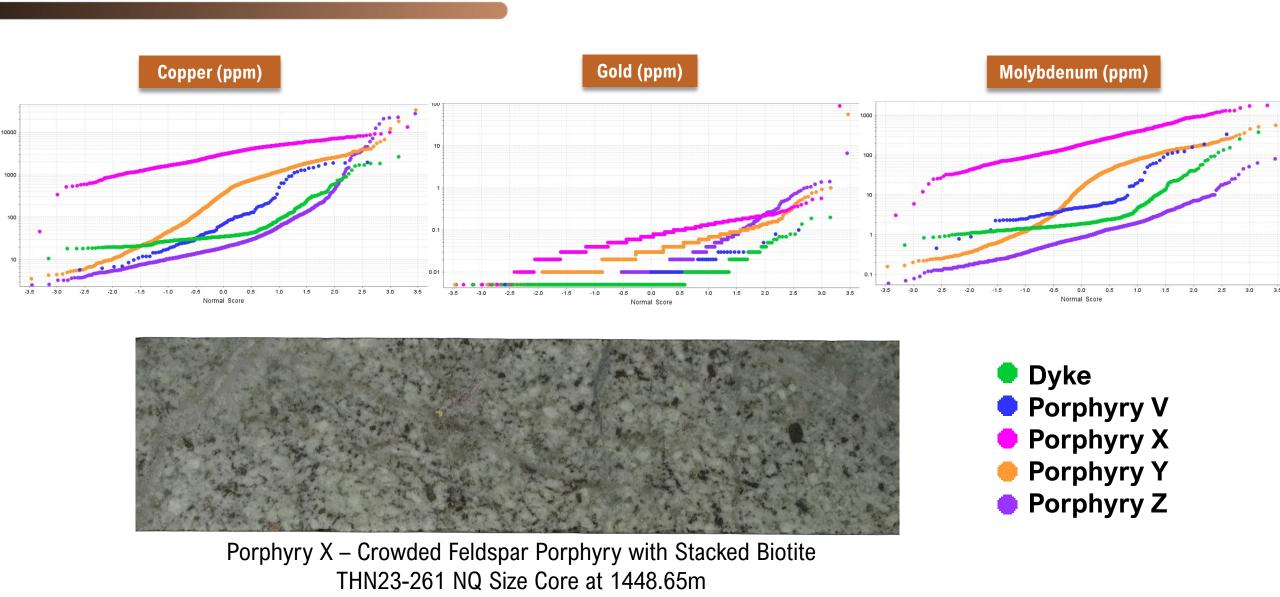


THN22-201 at 1112.89m: 2.00m of 0.40g Au, 7.80g/t Ag, 1.10% Cu, 591ppm Mo Disseminated Py-Cpy hosted in SLTS

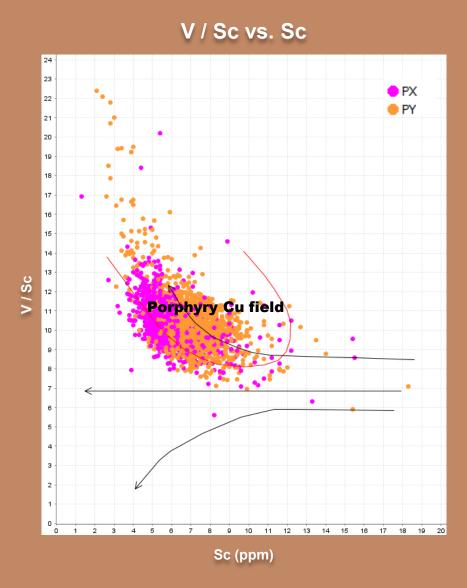


**THN22-213 at 938.85m:** 1.00m of 0.39g/t Au, 5.42g/t Ag, 0.85% Cu & 187.5ppm Mo Py-Mo hosted in Mineralized Mafic Dyke

# METAL CONTENT OF CAMP CREEK PORPHYRY PHASES



# CAMP CREEK PORPHYRY x FERTILITY

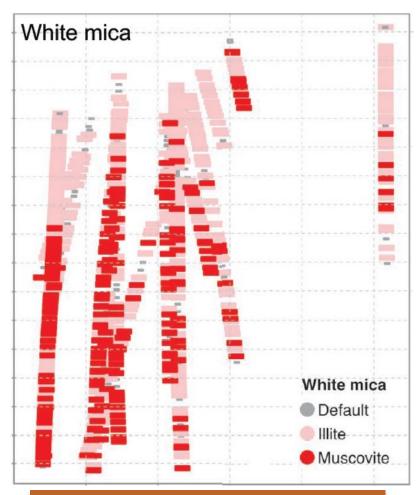


Sr / Y vs. Y 120 115 PX 110 100 lakite-like rocks 75 70 35 30 25 Normal andesite-dacite-rhyolite 20 12.5 15.0 17.5 20.0 22.5 25.0 27.5 30 Y (ppm)

Olson, N.H., Dilles, J.H., Kent, A.R., and Lang, J.L., 2017, Geochemistry of the Cretaceous Kaskanak Batholith and genesis of the Pebble porphyry Cu-Au-Mo deposit, Southwest Alaska: American Mineralogist, v. 102, p. 1597-1621.

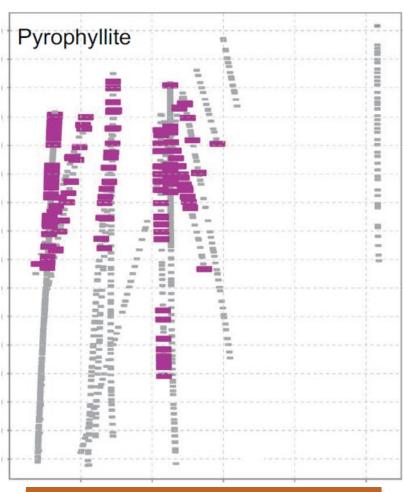
Rees, C., Riedell, K.B., Proffett, J.M., Macpherson, J., and Robertson, S., 2015, The Red Chris porphyry copper-gold deposit, northern British Columbia, Canada: Igneous phases, alteration, and controls of mineralization: Economic Geology, v. 110, p. 857-888

# **CURRENT RESEARCH – MDRU WHITE MICA EVALUATION**



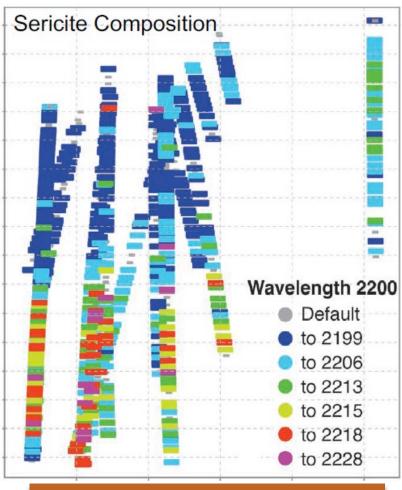
### WHITE MICA

Muscovite abundance increases with depth and towards west, relative to illite, suggesting higher temperature vector towards west.



### **PYROPHYLLITE**

Occurs in THN20-182 and 180 at shallow levels, continues to the west but less abundant. Suggests lateral transition from argillic to sericite alteration.

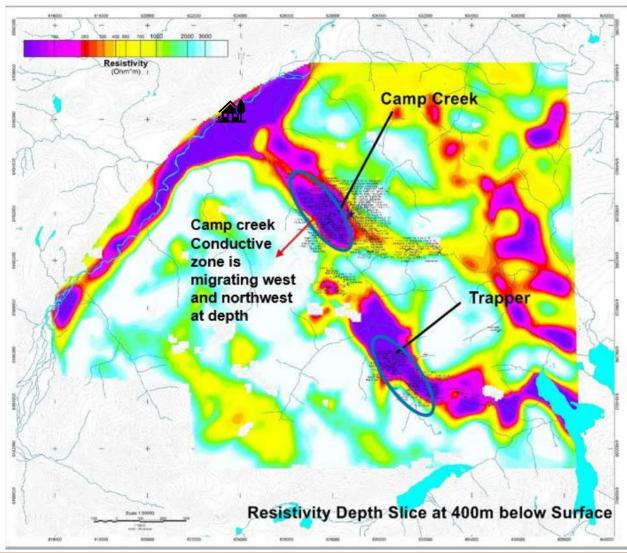


### WHITE MICA COMPOSITION

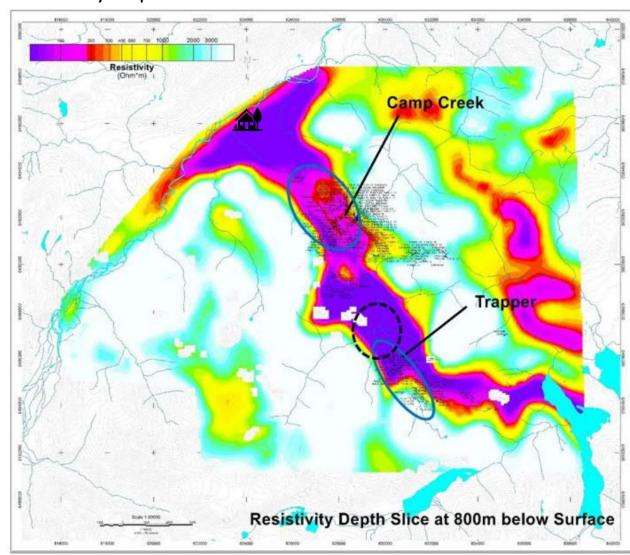
K-rich at shallow levels and more phengitic (Fe-Mg) at depth and towards west. Consistent with alteration by lower pH fluids at shallower levels.

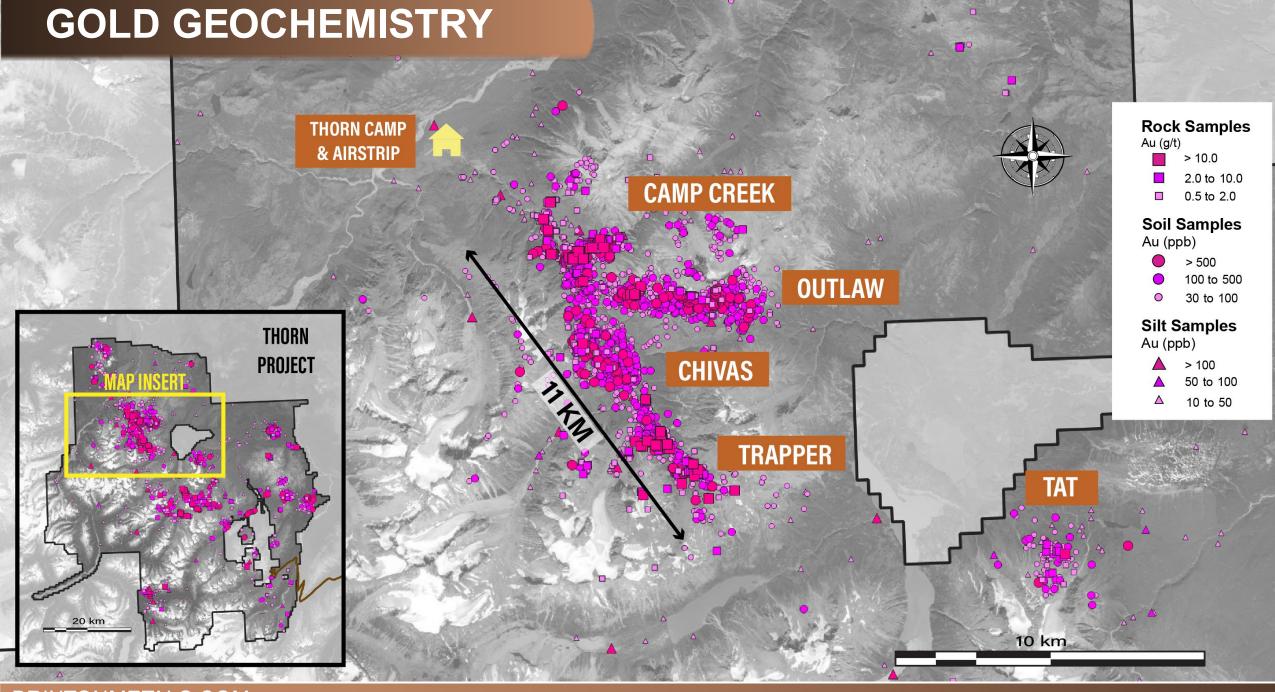
# MOBILE MT GEOPHYSICS

### Resistivity Depth Slice at 400m Below Surface:

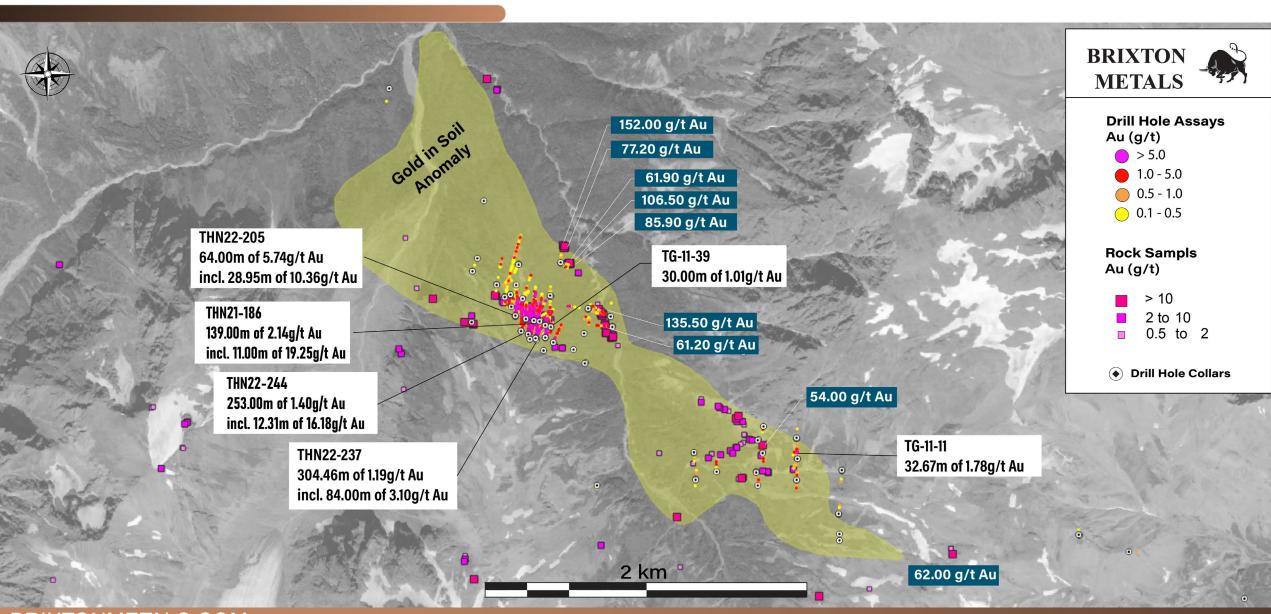


### Resistivity Depth Slice at 800m Below Surface:



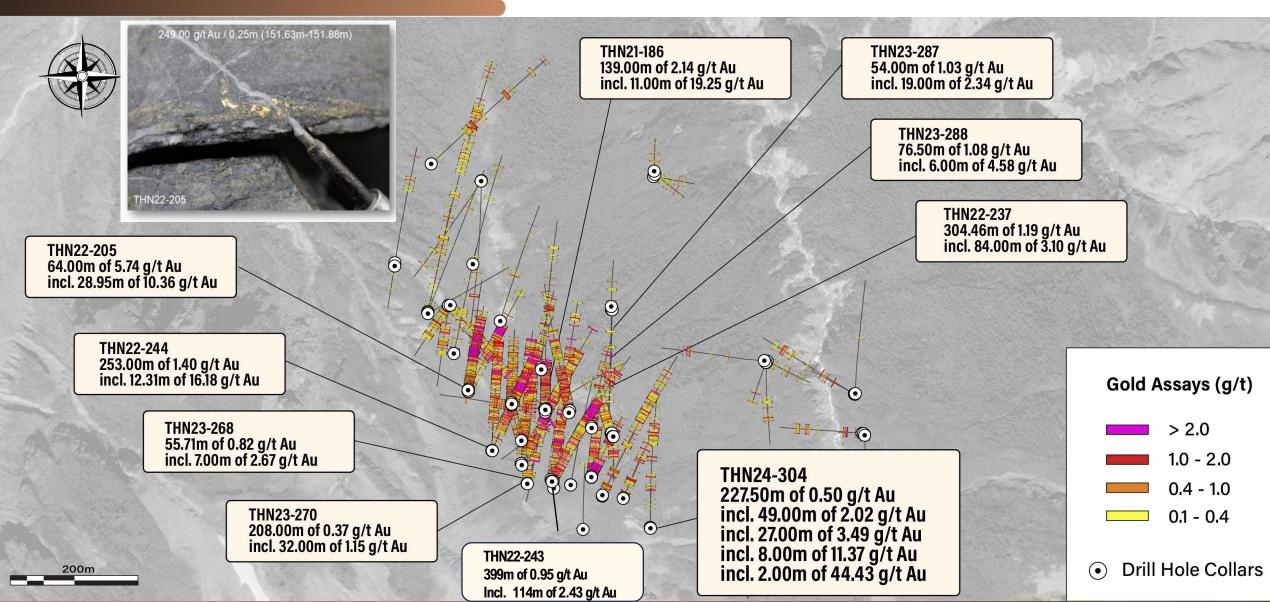


# PREVIOUS TRAPPER DRILLING



# TRAPPER GOLD TARGET DRILLING HIGHLIGHTS





# TRAPPER GEOPHYSICS

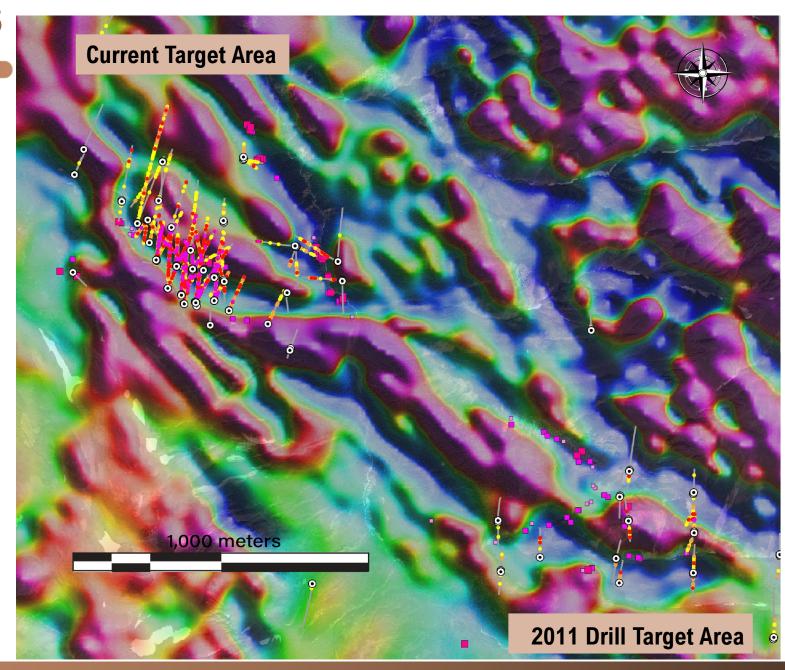
# Calculated Vertical Gradient from Residual Magnetic Field

### Drill Hole Assays Au (g/t)

- > 5.0
- **1.0 5.0**
- 0.5 1.0
- 0.1 0.5

### Rock Sampls Au (g/t)

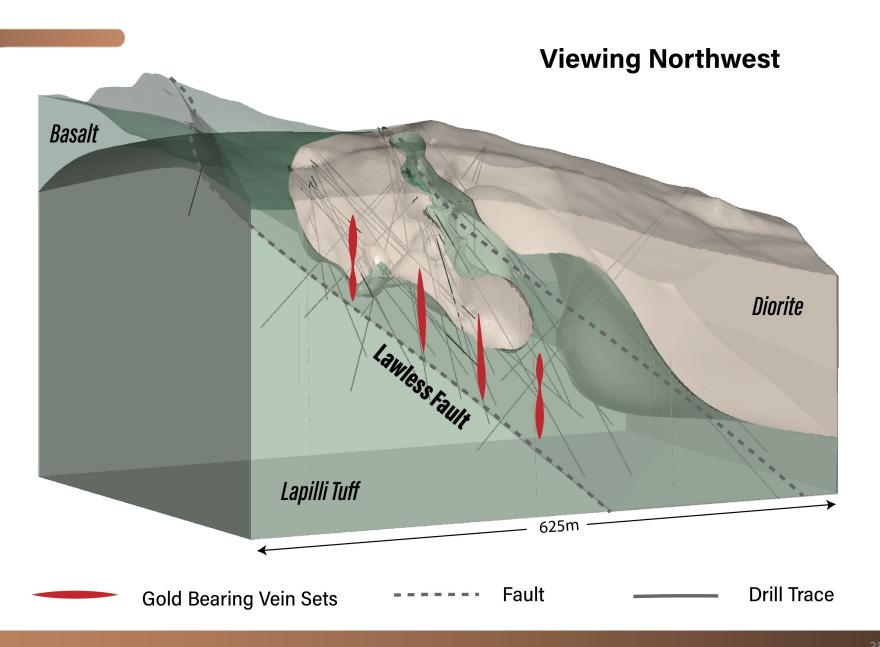
- > 10
- 2 to 10
- 0.5 to 2
- Drill Hole Collars
- / Drill Trace



# TRAPPER 3D CONCEPTUAL DEPOSIT MODEL

**Intermediate Sulphidation** 

**Epithermal System** 



# TRAPPER VISIBLE GOLD IN CORE



**THN22-25 at 151.75m:** 0.25m of 249 g/t Au Native Gold hosted in Quartz Diorite



**THN23-270m at 144.00m:** 0.35m of 22 g/t Au Visible Gold hosted in a sheared base metal vein



THN22-206 at 60.18m: 0.25m of 8.96 g/t Au Native Gold hosted in Quartz Diorite



**THN22-237 at 159.78m:** 0.38m of 34.5 g/t Au Visible Gold hosted in Quartz Diorite

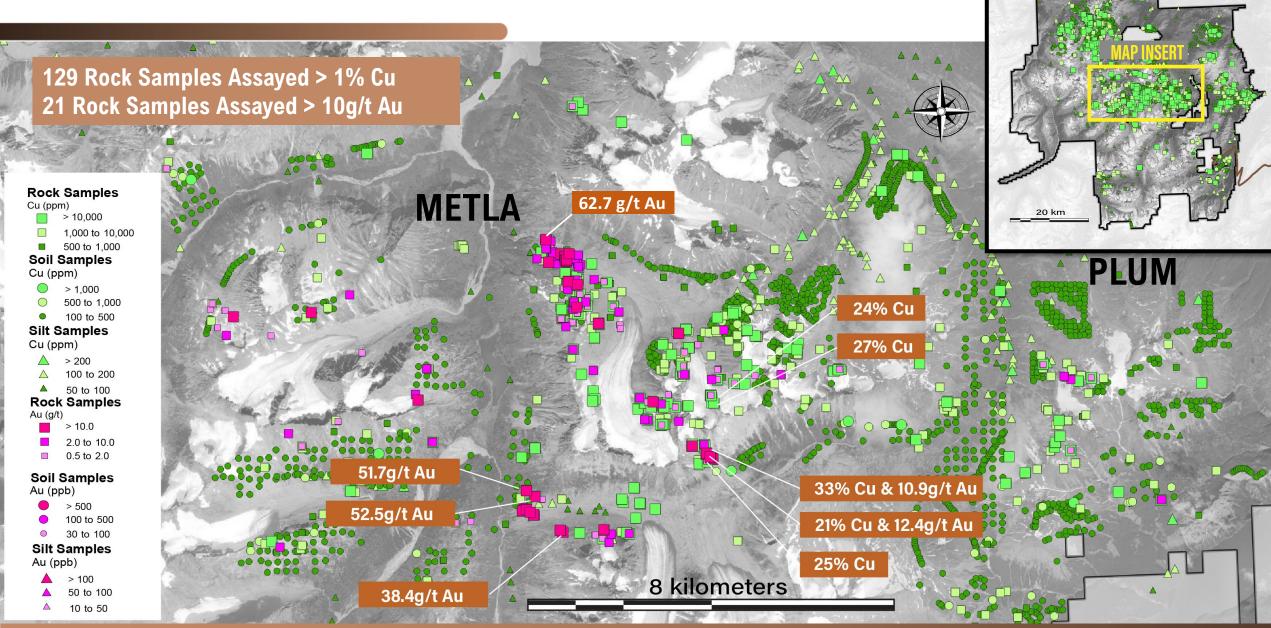


**THN22-255 at 61.77m:** 0.30m of 15.45 g/t Au Visible Gold hosted in Quartz Diorite



**THN22-208 at 23.51m:** 0.25m of 40.60 g/t Au Visible Gold hosted in a base metal vein

# **METLA & PLUM TARGET AREAS**



**THORN** 

**PROJECT** 

# METLA COPPER-GOLD ALKALIC PORPHYRY TARGET

Bornite-chalcopyrite-visible gold, hosted in potassically altered hornblende diorite



# **NORTH TARGET**



Cu (ppm)

> 10,000

1,000 to 10,000

500 to 1,000

### **Soil Samples**

Cu (ppm)

> 1,000

500 to 1,000

• 100 to 500

### Silt Samples Cu (ppm)

<u>> 200</u>

△ 100 to 200

50 to 100

### Rock Samples

Au (g/t)

> 10.0

2.0 to 10.0

0.5 to 2.0

### Soil Samples Au (ppb)

> 500

0 100 to 500

30 to 100

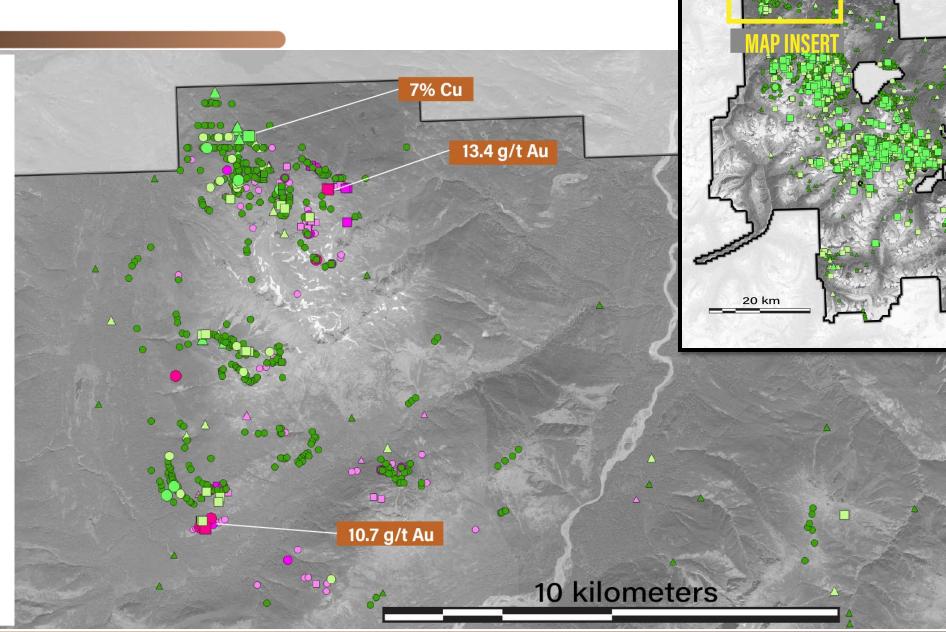
### Silt Samples

Au (ppb)

> 100

50 to 100

△ 10 to 50



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**THORN** 

**PROJECT** 

# **EAST TARGET**

### **Rock Samples**

Cu (ppm)

> 10,000

1,000 to 10,000 500 to 1,000

**Soil Samples** 

Cu (ppm)

> 1,000

500 to 1,000

100 to 500

### Silt Samples Cu (ppm)

> 200

100 to 200

50 to 100

### **Rock Samples** Au (g/t)

> 10.0

2.0 to 10.0

0.5 to 2.0

### **Soil Samples** Au (ppb)

> 500

100 to 500

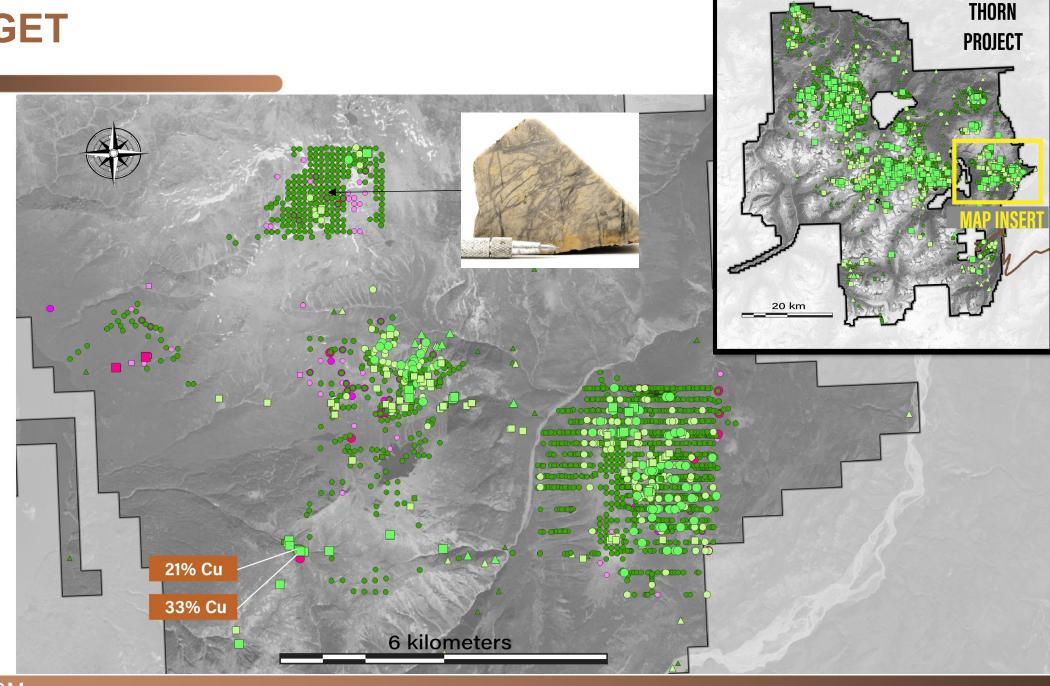
30 to 100

### Silt Samples Au (ppb)

> 100

50 to 100

10 to 50



### **THORN SOUTH TARGET PROJECT Rock Samples** Cu (ppm) > 10,000 39.00 g/t Au 1,000 to 10,000 500 to 1,000 19.65 g/t Au Soil Samples Cu (ppm) 14.55 g/t Au > 1,000 500 to 1,000 11.35 g/t Au 100 to 500 Silt Samples Cu (ppm) > 200 100 to 200 50 to 100 **Rock Samples** Au (g/t) > 10.0 3.37 g/t Au 2.0 to 10.0 0.5 to 2.0 **Soil Samples** Au (ppb) > 500 100 to 500 30 to 100 **Silt Samples** Au (ppb) > 100 7 kilometers 50 to 100

10 to 50

# **2024 THORN SEASON**

14,517 meters drilled and 25 holes collared

• Camp Creek: 6,335m

• Cirque: 2,704m

North Target: 2,266m

• Trapper: 2,746m

• Trifecta: 466m

Downhole XRF data collected for all Camp Creek drill holes

Oriented core data collected for all drill holes

1,143 rock samples collected

316 soil samples collected

28 stream sediment samples collected

 Reconnaissance prospecting and soil sampling completed at new target areas



## **COMMUNITY ENGAGEMENT 2024**

45% of personnel working on site were employed through First Nations contractors or Joint Ventures

First Nations employees, contractors, and management accounted for 22% of the seasonal workforce

Female-identifying employees, contractors, and management accounted for 24% of the seasonal and full-time workforce

Pledged Community Engagement with Tahltan and Taku River Tlingit First Nations







# THORN SUMMARY

### DISTRICT SCALE CU-AU-AG-MO PORPHYRY PROPERTY

- 2,945 km<sup>2</sup> mineral tenure
- Significant consolidation of claims by Brixton over the last few years, including the addition of the Metla, Trapper, Tatsamenie & IMGM claims
- 100% Brixton owned with low to no NSR's
- Largely unexplored 80 km geochemical megatrend

### **PORPHYRY MINERALIZATION**

- Widespread Cu-Au-Ag mineralization observed across the property, with drilling rapidly expanding the known extents of the Camp Creek system
- New Cu-Au alkalic porphyry mineralization discovered with the retreat of glaciers at Metla
- Long-lived mineralizing system with evidence of events during the Triassic, Jurassic, Cretaceous and Eocene

### **ASSOCIATED MINERALIZING SYSTEMS**

- High-grade epithermal gold system identified at Trapper with multiple occurrences of visible gold
- Near-surface, extensive, sediment-hosted Au system at Outlaw

Objective:
Unlock the Potential of
the District-Scale
Cu-Au-Ag-Mo Porphyry
Mineralization



# **THANK YOU TO OUR TEAM & CONTRACTORS**









TAHLTAN CENTRAL **GOVERNMENT** 



























GeoAqua Consultants

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