



brixtonmetals.com

# THORN PROJECT

## Cu-Au-Ag-Mo

Northwest British Columbia, Canada

February 2024

TSX: 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



**The Flagship Project**

• **Thorn** **Cu Au Ag Mo**

CANADA

BRITISH  
COLUMBIA

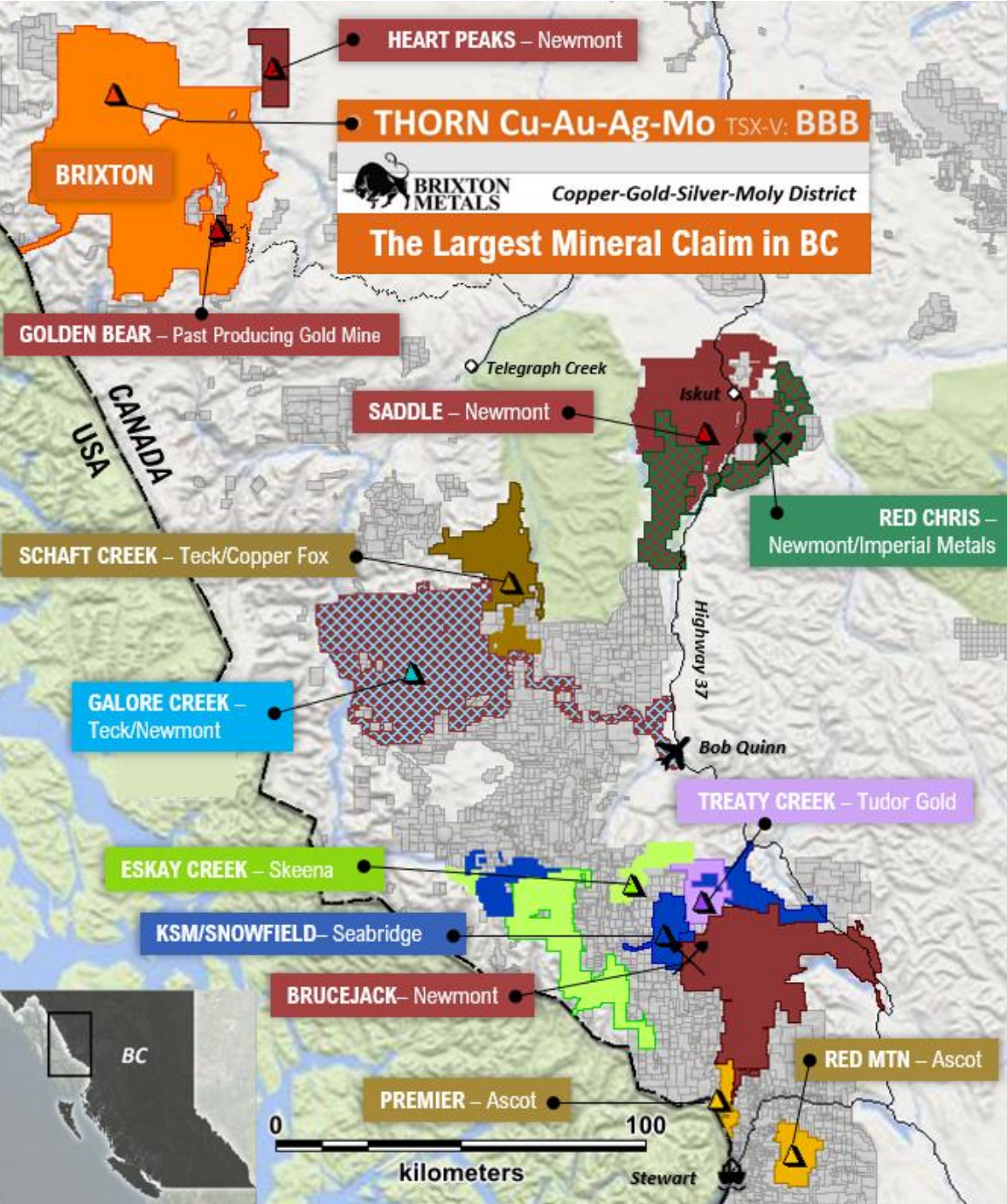
**BHP Strategic Investor 19.9%**

Exploring a District Scale  
Cu-Au-Ag-Mo Porphyry Trend  
on the Largest Contiguous  
Claim Block in BC

USA







# THORN PROJECT

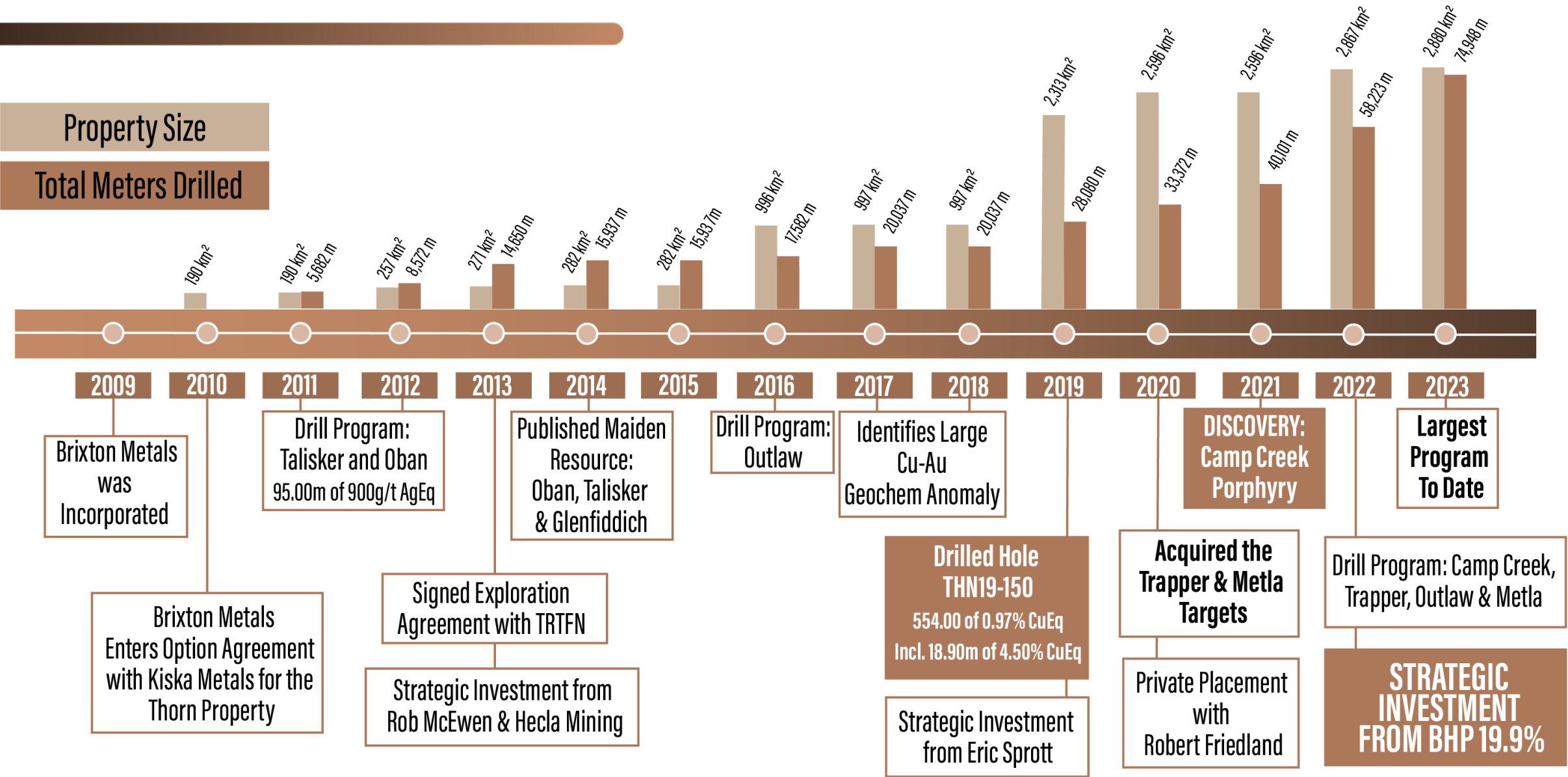
## The Flagship wholly owned

- 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 **2,880km<sup>2</sup>** claim block
- Potential **access to US tide waters** and the 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





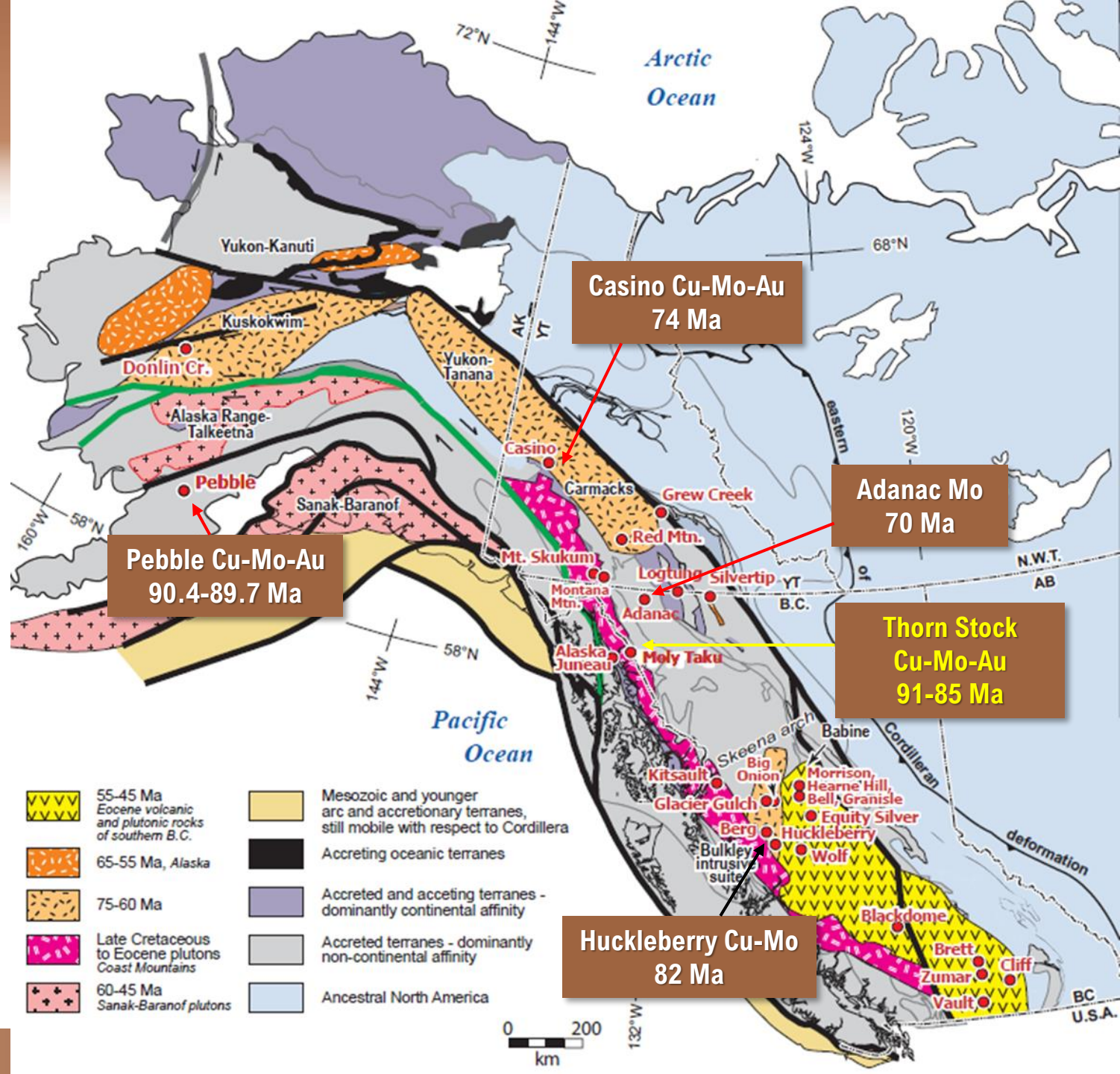
# THORN TERRANE

## 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.

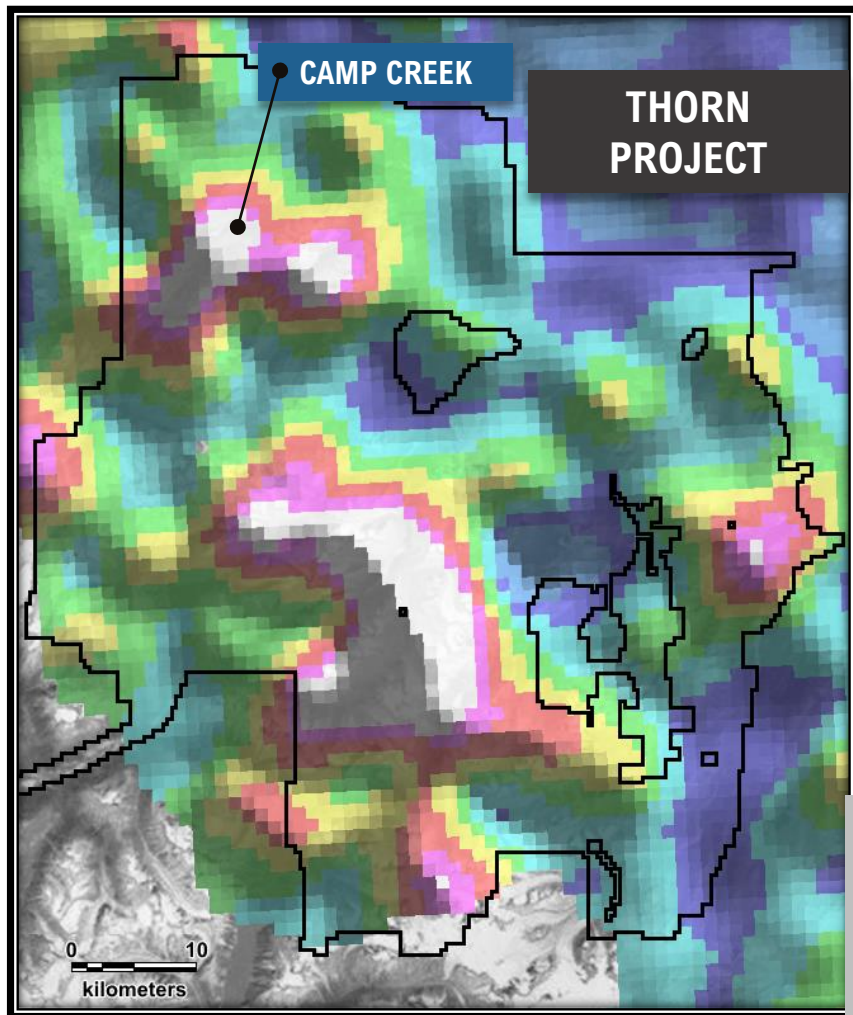
Nelson, J., and Colpron, M., 2007, Tectonics and metallogeny of the British Columbia, Yukon and Alaskan Cordillera, 1.8 Ga to the present, in Goodfellow, W.D., ed., Mineral Deposits of Canada: A Synthesis of Major Deposit-Types, District Metallogeny, the Evolution of Geological Provinces, and Exploration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



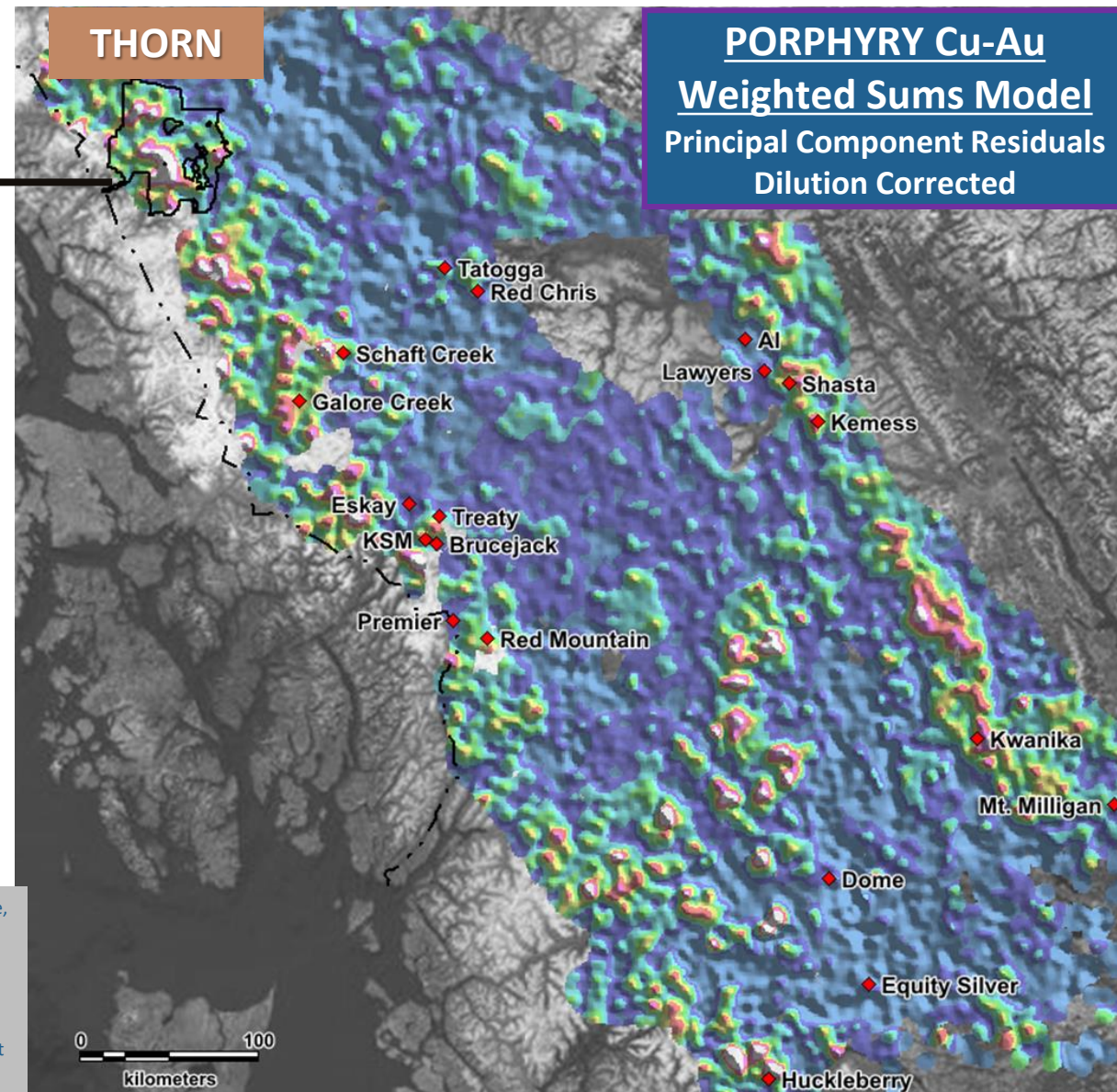


# BCGS REGIONAL GEOCHEMICAL SURVEY – Re-Analysis 2018 Open File

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



D. C. Arne, R. Mackie, C. Pennimpede, E. Grunsky, M. Bodnar, 2018, Integrated Assessment of Regional Stream-Sediment Geochemistry for Metallic Deposits in Northwestern British Columbia (Parts of NTS 093, 094, 103, 104), Geoscience BC Report 2018-14.

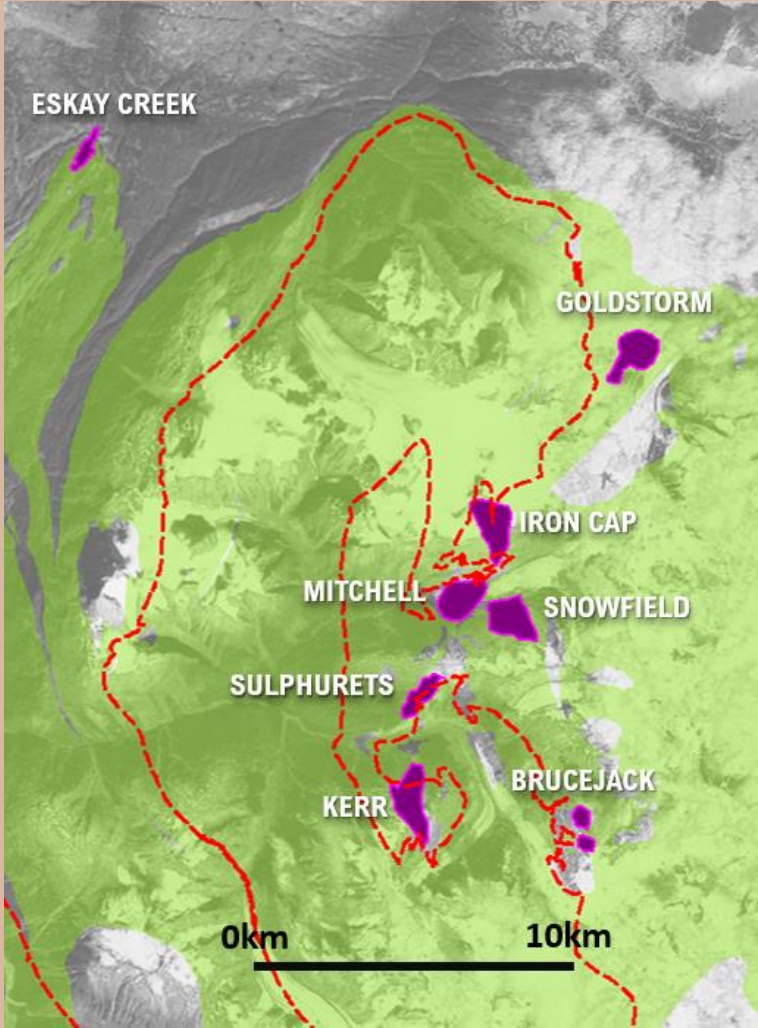
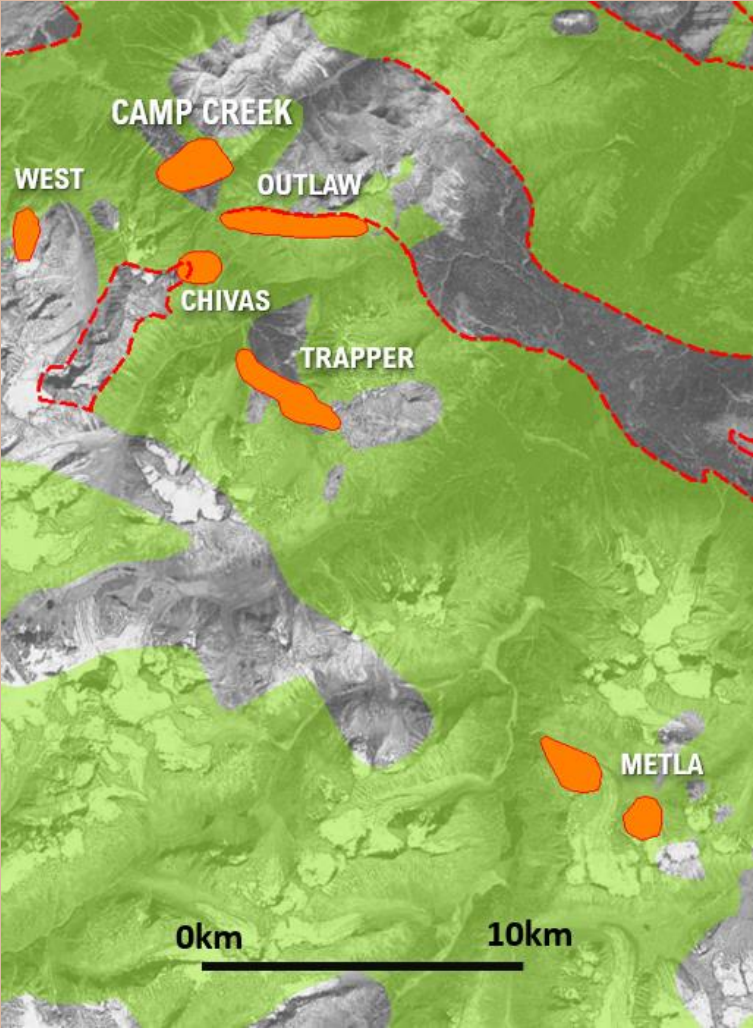
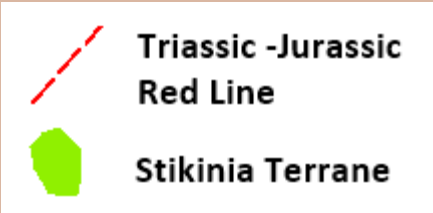




# SCALE COMPARISON: THORN vs SULPHURETS CAMP

The Thorn Project is 2,880 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.



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



# THORN REGIONAL GEOLOGY

## DEPOSIT TYPE

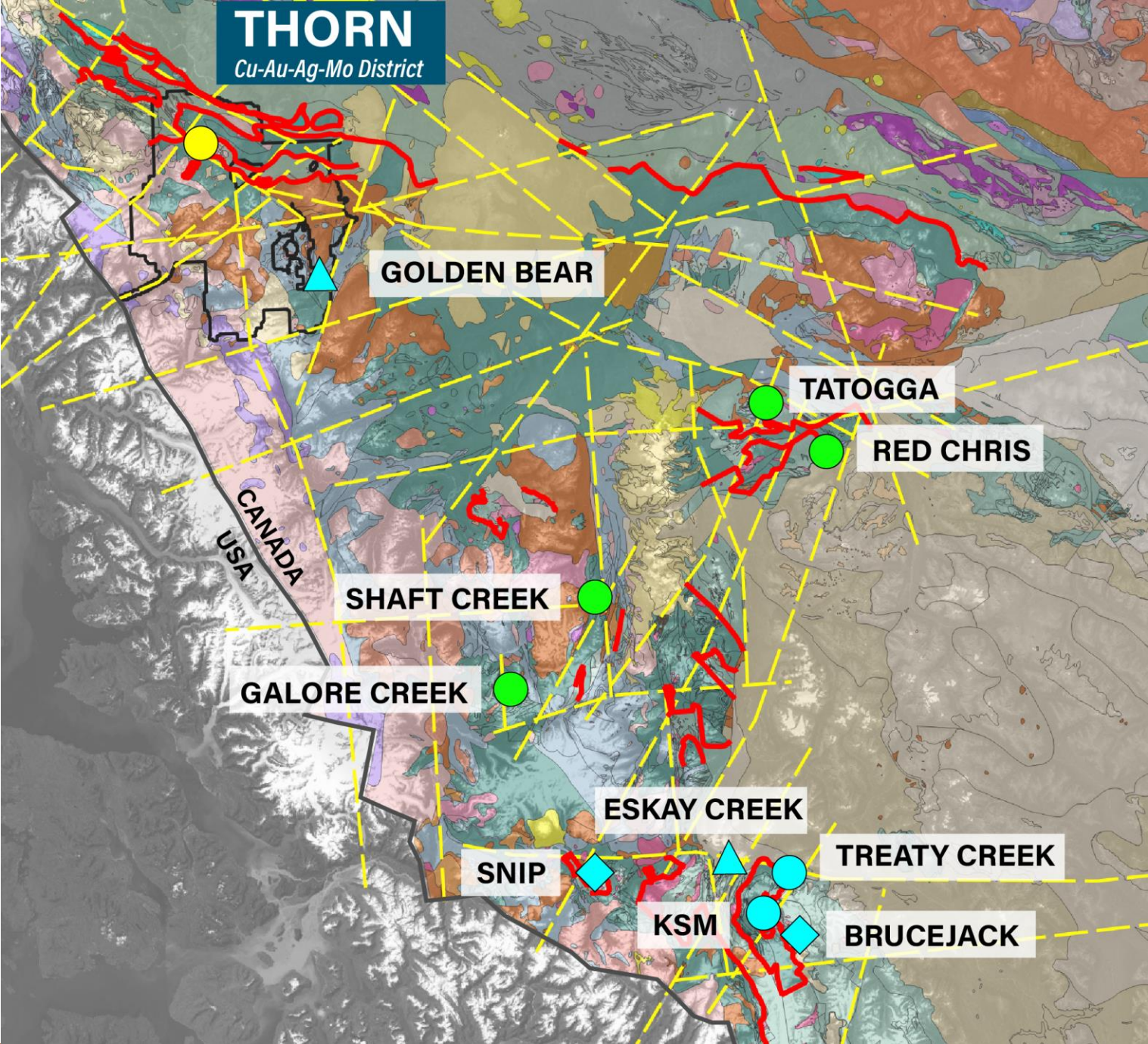
- Porphyry
- ◆ Epithermal
- ▲ Other

## DEPOSIT AGE

- Cretaceous
- Jurassic
- Triassic

TRIASSIC-JURASSIC  
RED LINE

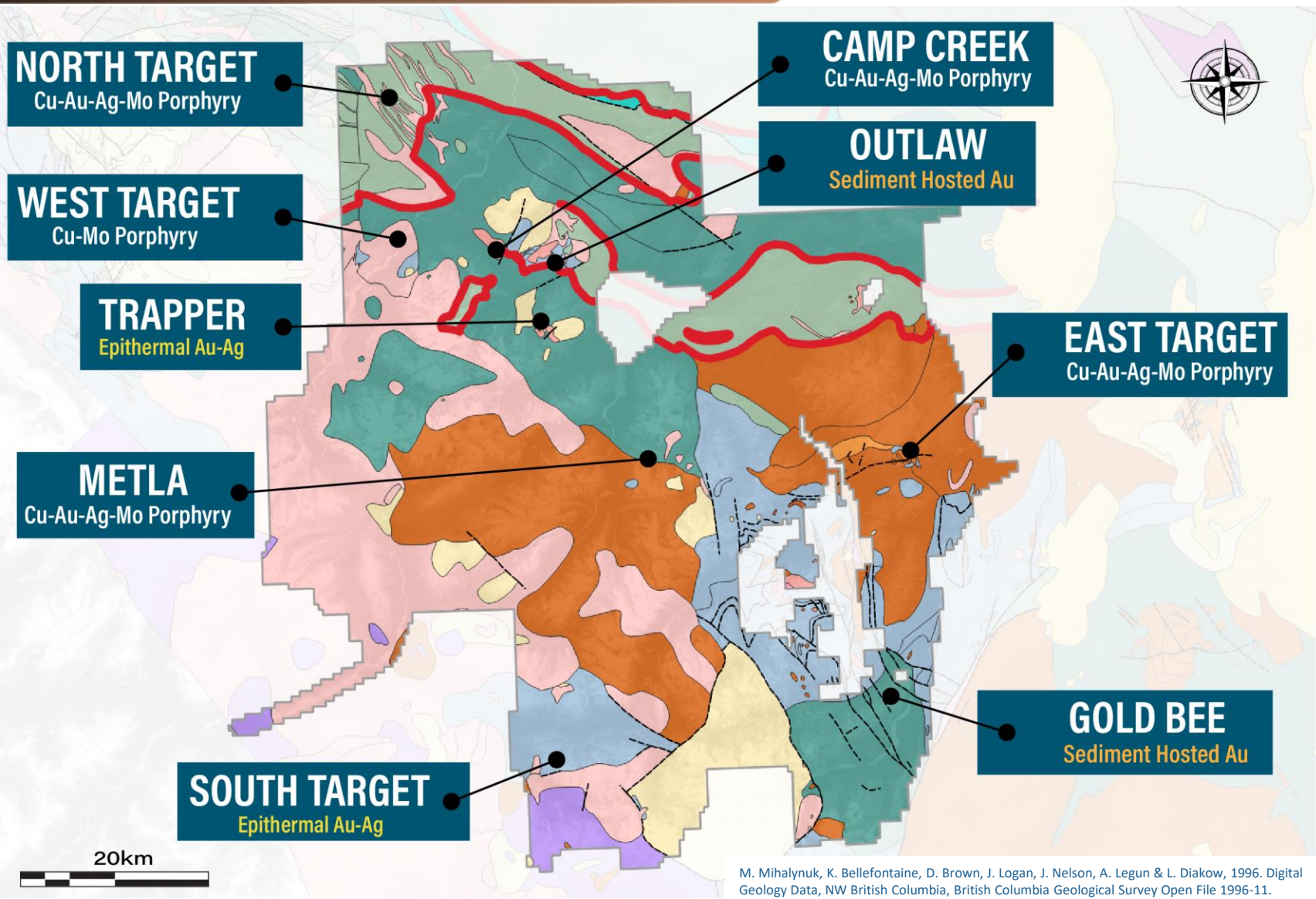
REGIONAL LINEAMENT





# THORN GEOLOGY & TARGET AREAS

Favourable Stuhini Group host rocks in vicinity of “Red Line” boundary (refers to Jurassic-Triassic contact in NW BC; Nelson & Kyba 2014)



## INTRUSIVE ROCKS

- Paleocene to Eocene - Sloko-Hyder Plutonic Suite  
alkali feldspar granite
- Late Cretaceous - Windy Table Complex  
quartz diorite intrusive rocks
- Jurassic to Cretaceous  
quartz dioritic intrusive rocks
- Triassic  
quartz dioritic intrusive rocks

## VOLCANIC, SEDIMENTARY & METAMORPHIC ROCKS

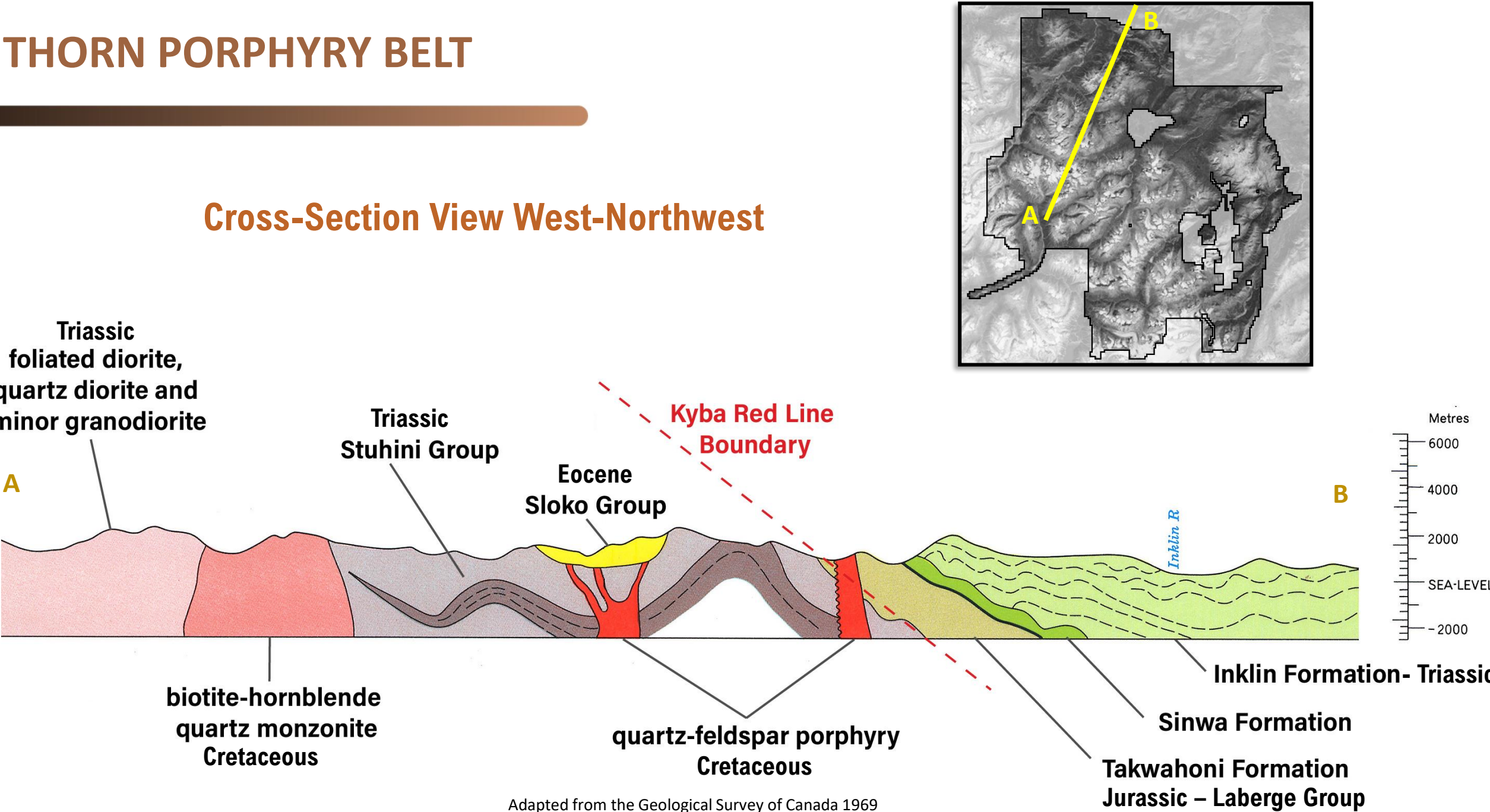
- Early Eocene - Sloko Group  
rhyolite, felsic volcanic rocks
- Jurassic - Laberge Group  
andesitic volcanic & sedimentary rocks
- Triassic - Stuhini Group  
andesitic volcanic & sedimentary rocks
- Carboniferous - Stikine Group  
andesitic volcanic & sedimentary rocks
- Devonian to Mississippian  
Whitewater Metamorphic Complex  
greestone, greenschist rocks

--- Fault  
Kyba Red Line Boundary

M. Mihalyuk, K. Bellefontaine, D. Brown, J. Logan, J. Nelson, A. Legun & L. Diakow, 1996. Digital Geology Data, NW British Columbia, British Columbia Geological Survey Open File 1996-11.

# THORN PORPHYRY BELT

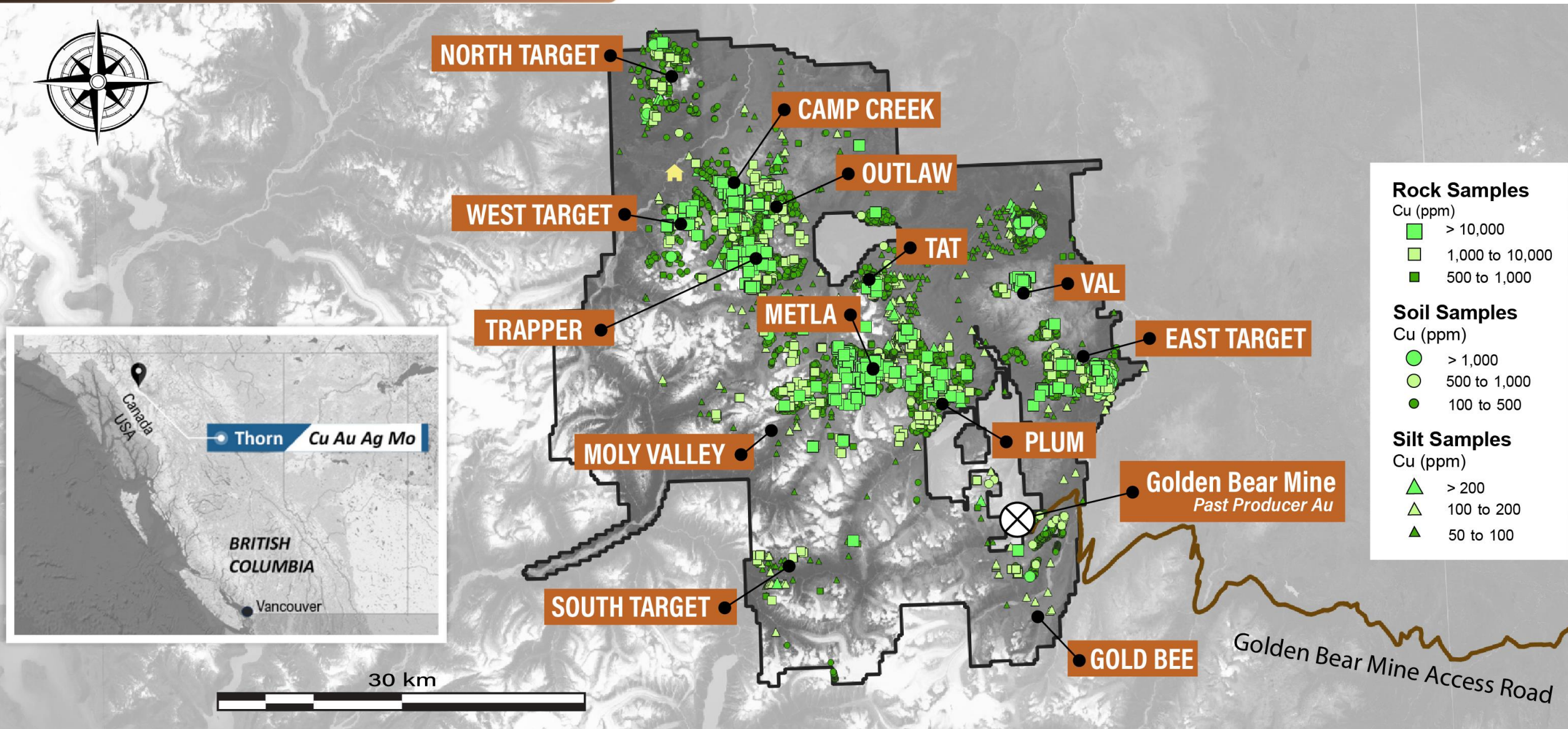
## Cross-Section View West-Northwest



Adapted from the Geological Survey of Canada 1969

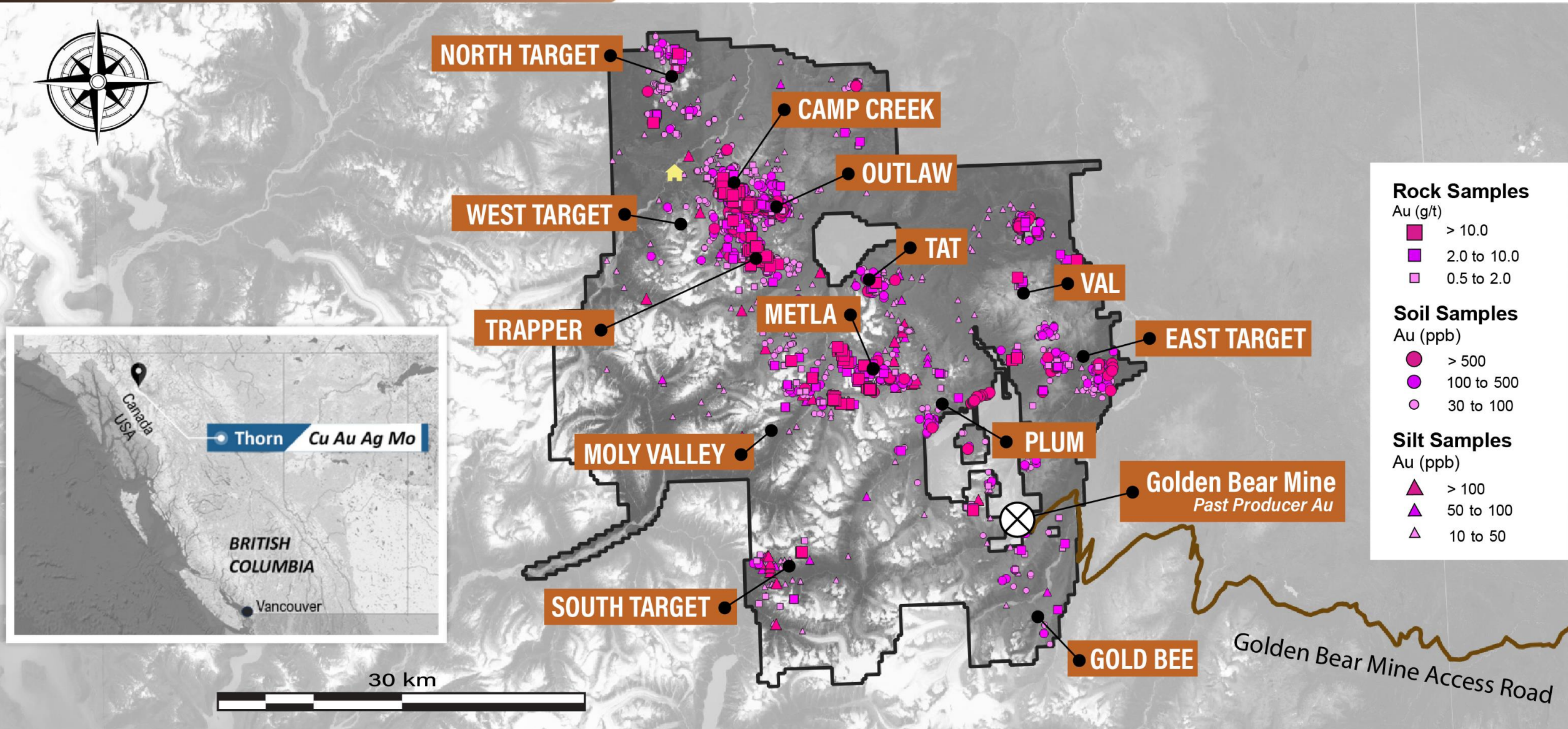


# THORN PROJECT COPPER GEOCHEMISTRY





# THORN PROJECT GOLD GEOCHEMISTRY

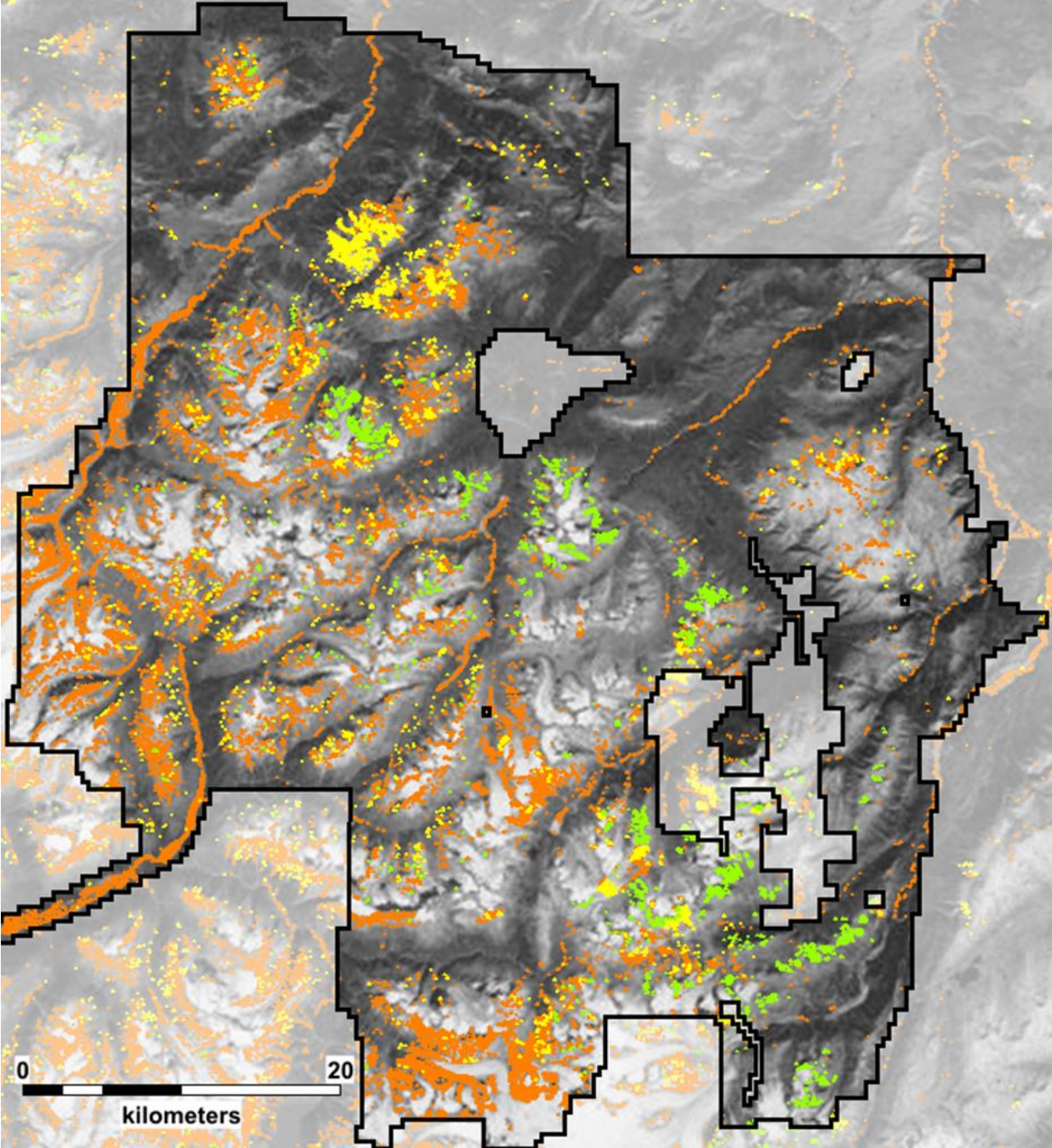
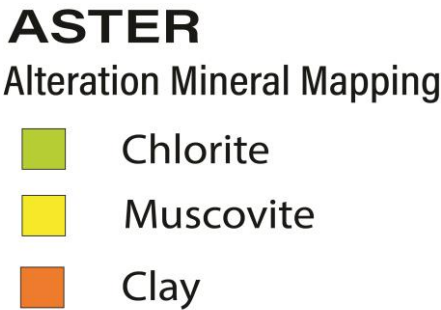




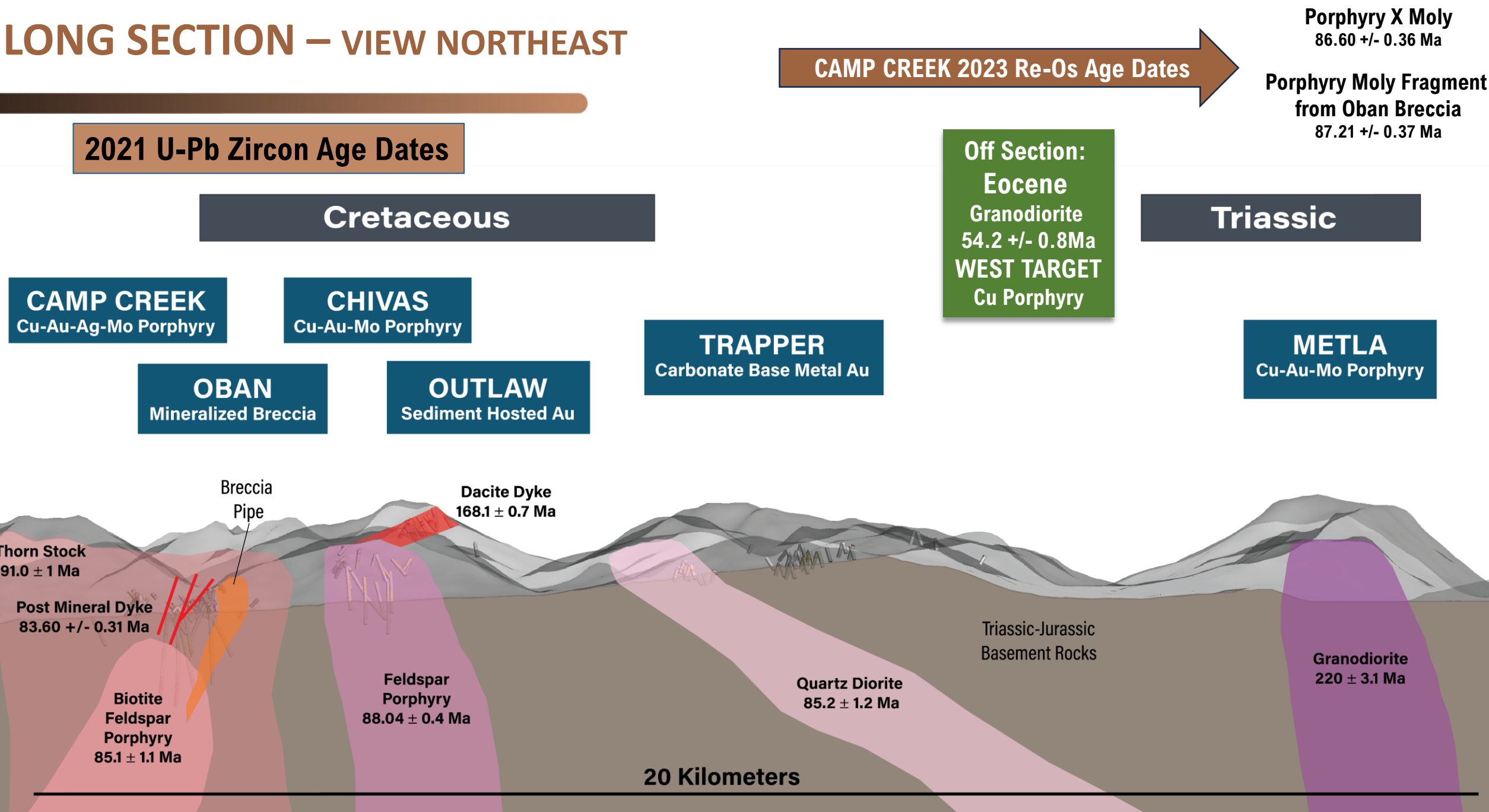
# PORPHYRY ALTERATION

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

ASTER-SENTINEL 2 data  
acquired for the  
property in 2020

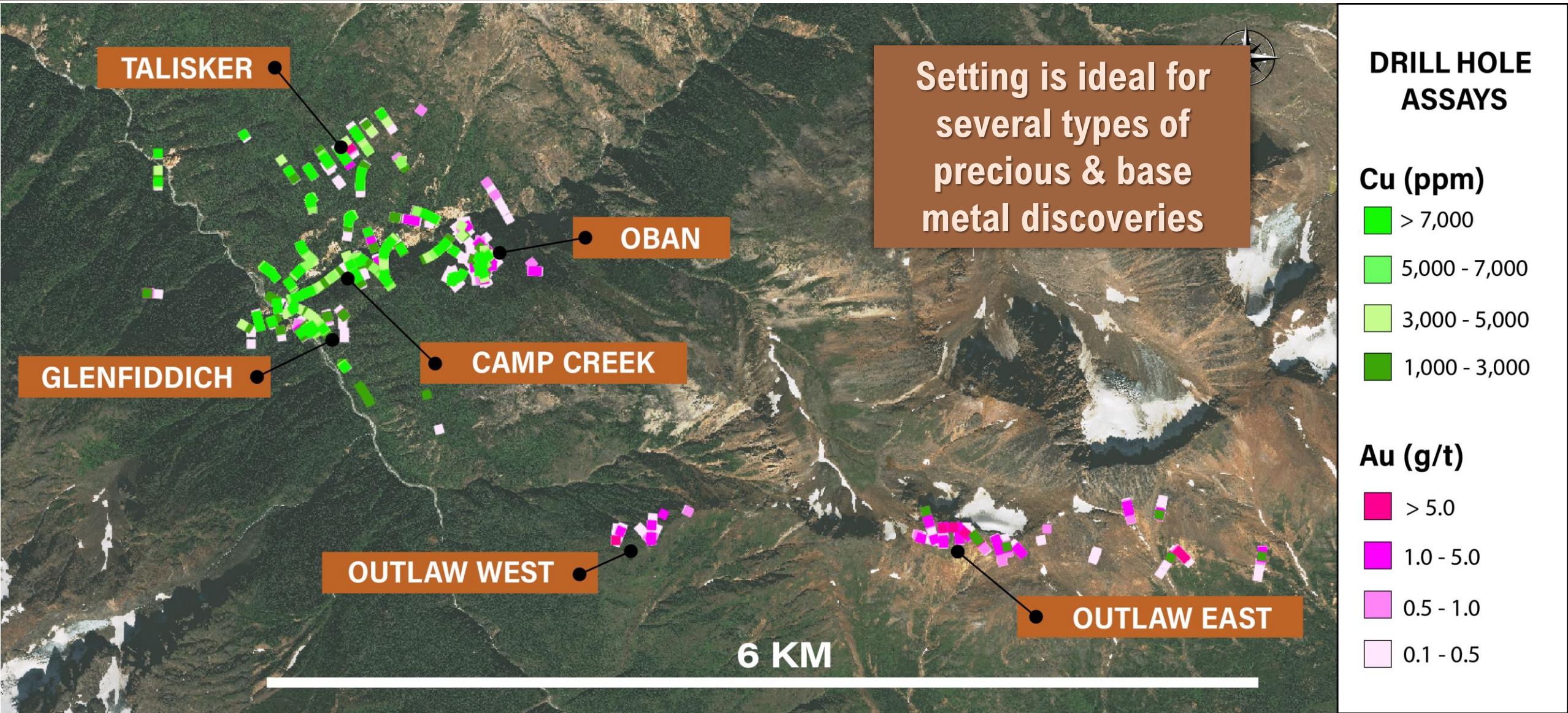


# LONG SECTION – VIEW NORTHEAST



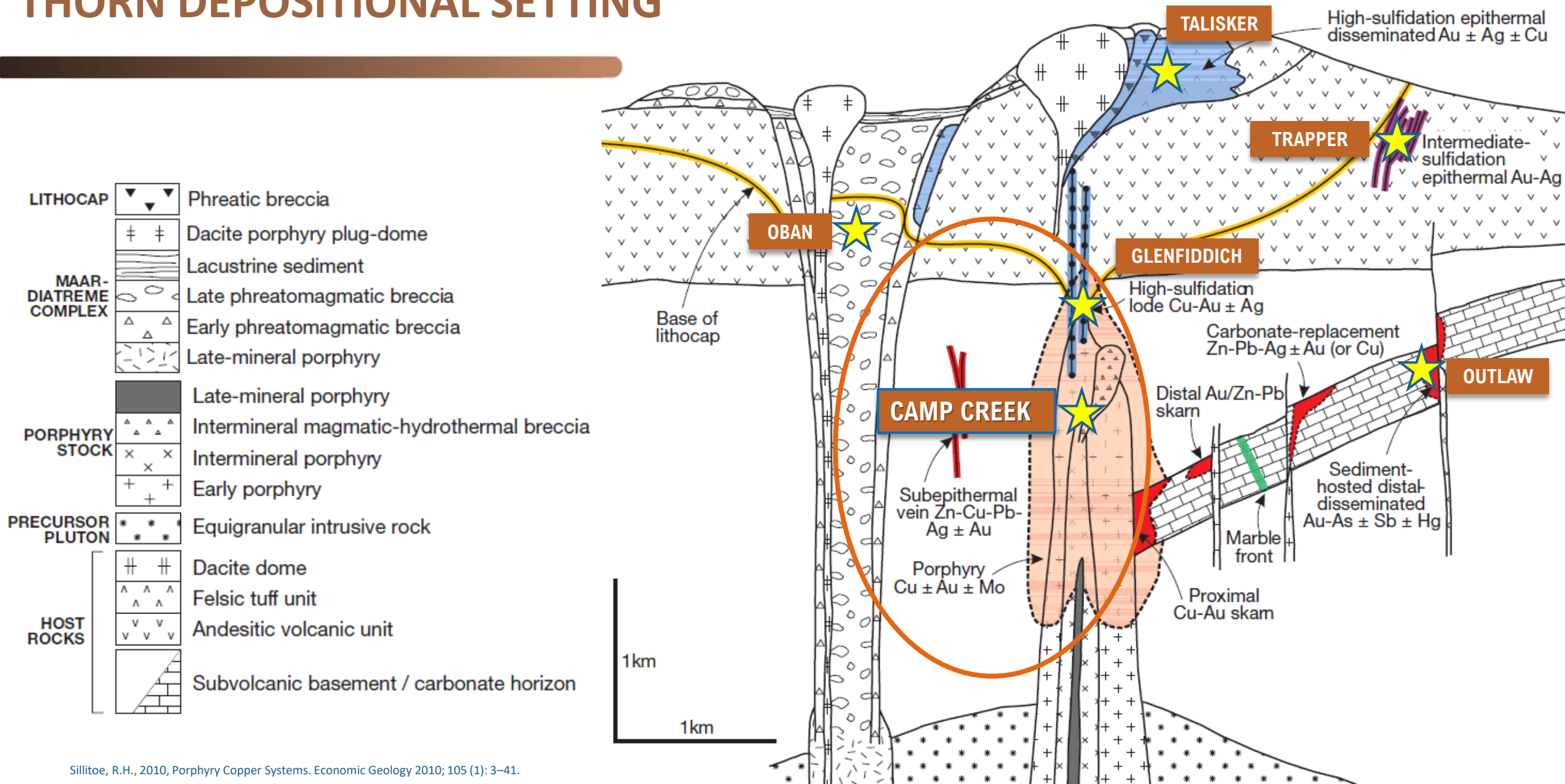


# CAMP CREEK & OUTLAW TARGET AREAS





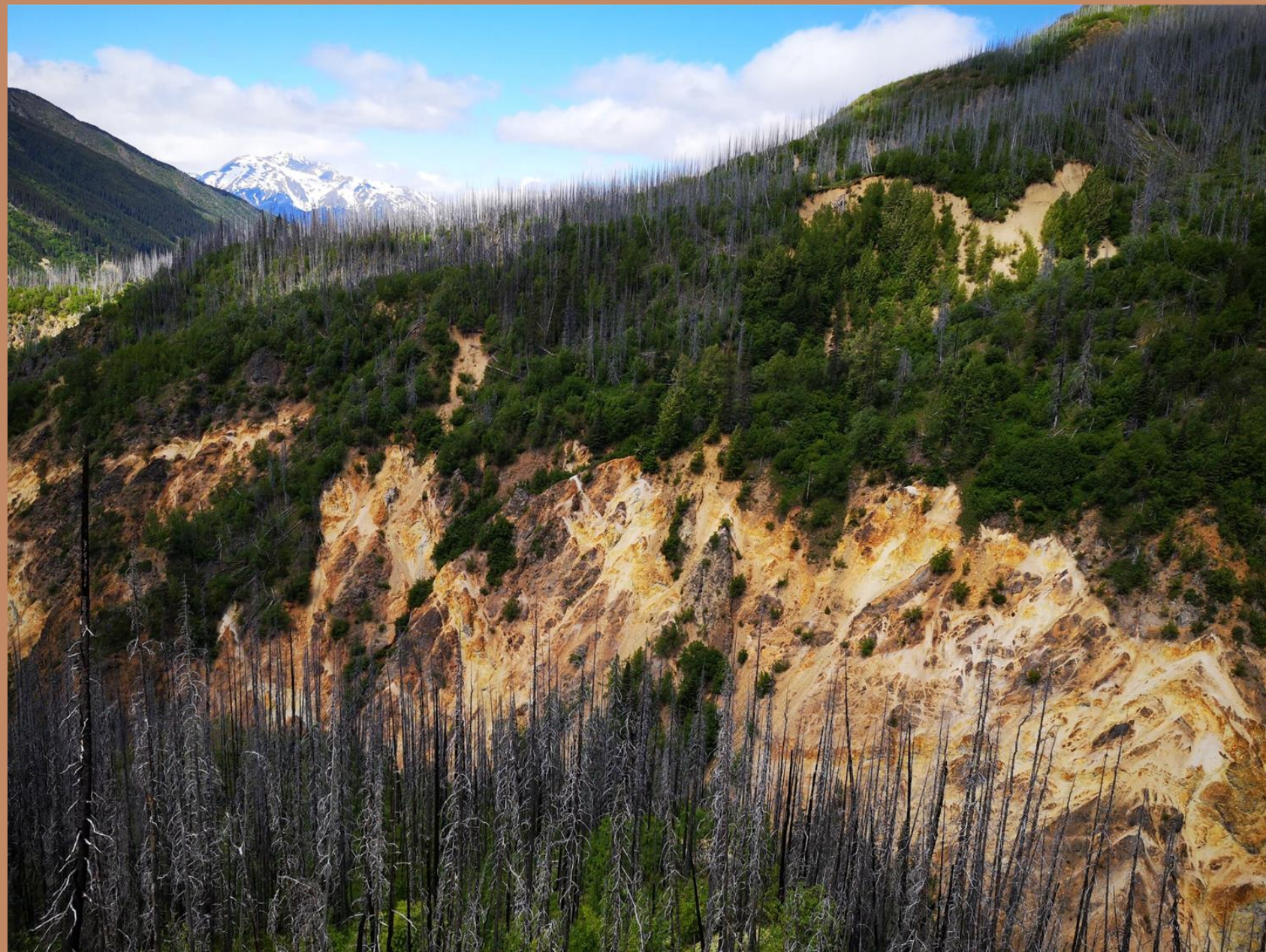
# THORN DEPOSITIONAL SETTING



Sillitoe, R.H., 2010, Porphyry Copper Systems. Economic Geology 2010; 105 (1): 3–41.



# CAMP CREEK ACID SULFATE ALTERATION

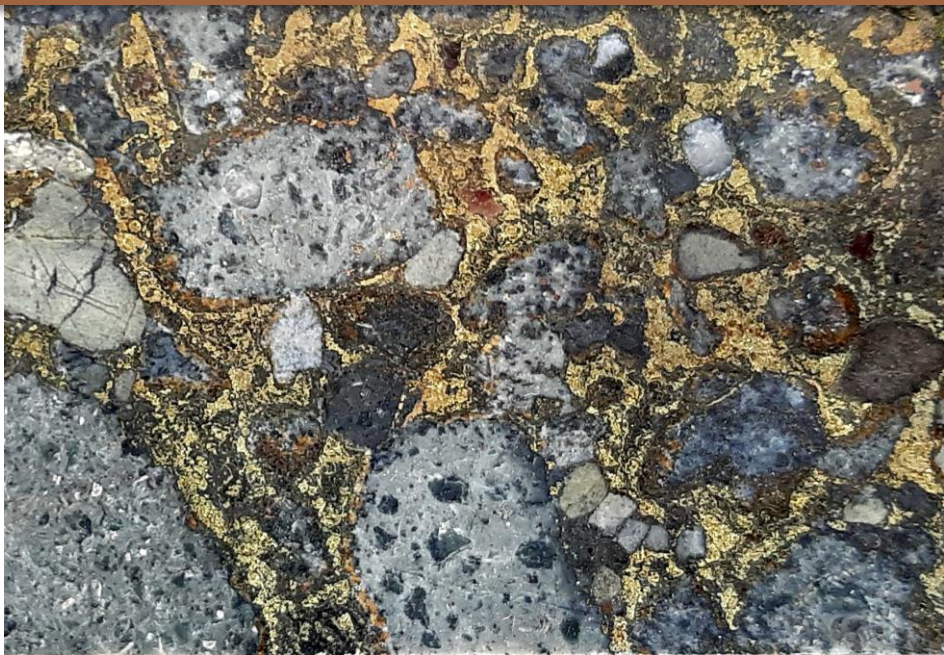




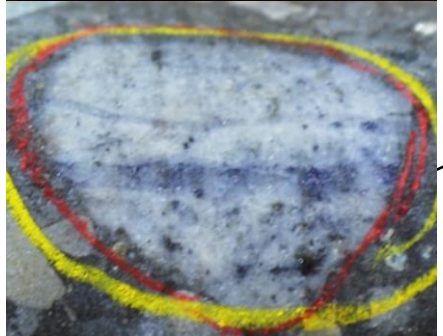
# DEEP PORPHYRY EVIDENCE FROM 2011 to 2019

## 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



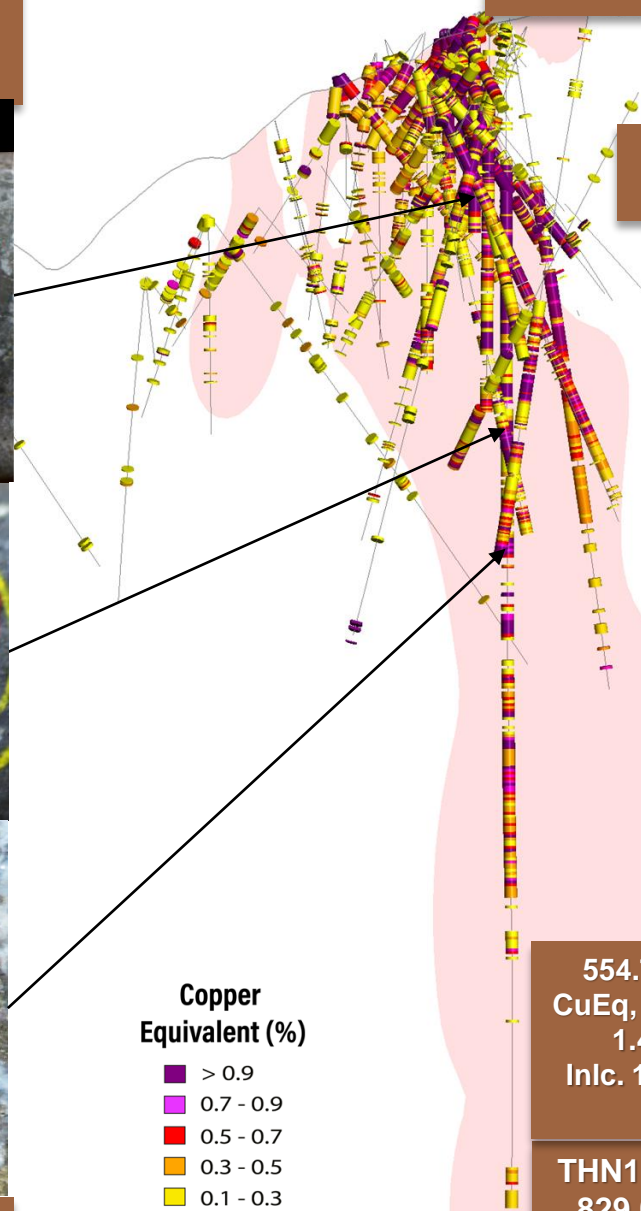
## Porphyry clasts A & B veins in clasts



local chalcopyrite at depth

THN11-60  
95.08 m of 1.71 g/t  
Au, 628.00 g/t Ag,  
2.39% Zn, 3.31% Pb

OBAN  
Diatreme



Copper  
Equivalent (%)

- > 0.9
- 0.7 - 0.9
- 0.5 - 0.7
- 0.3 - 0.5
- 0.1 - 0.3
- 0 - 0.1

554.7m of 0.97%  
CuEq, incl. 277.8m of  
1.47% CuEq  
Incl. 18.9m of 4.5%  
CuEq

THN19-150  
829.06m

Deposit		Density (t/m <sup>3</sup> )	Tonnage x 1000	In-Situ Grade						Contained Metal					
				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

1. The in-pit portion is reported at a dollar equivalent cut-off value of US \$15 per tonne within a Whittle shell and \$50 per tonne for an underground portion of the Oban deposit. The Whittle shells were designed based on a slope angle of 55 degrees and 90% recovery for all metals. The block models are 10 x 10 x 10 m, 5 x 10 x 5 m, and 5 x 10 x 5 m for Oban, Glenfiddich, and Talisker respectively.

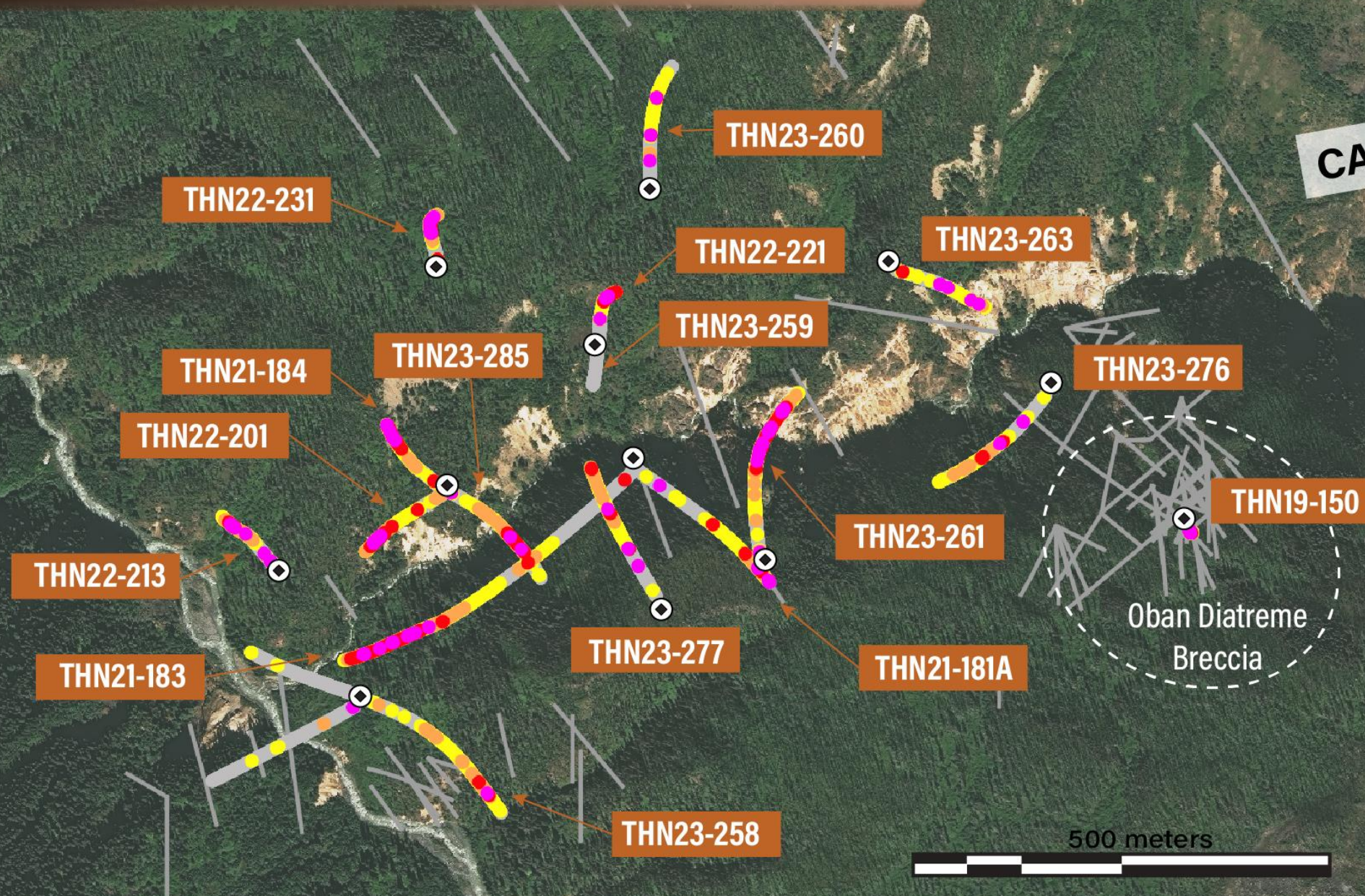
2. Dollar and Silver Equivalents are based on US \$20 Silver, \$1200 Gold, \$3 Copper, \$1 Lead, and \$1 Zinc, with metal recoveries of 90%.



# CAMP CREEK DIAMOND DRILLING



CAMP CREEK



## Drill Hole Assays Cu (ppm)

- > 7,000
- 5,000 - 7,000
- 3,000 - 5,000
- 1,000 - 3,000
- < 1,000

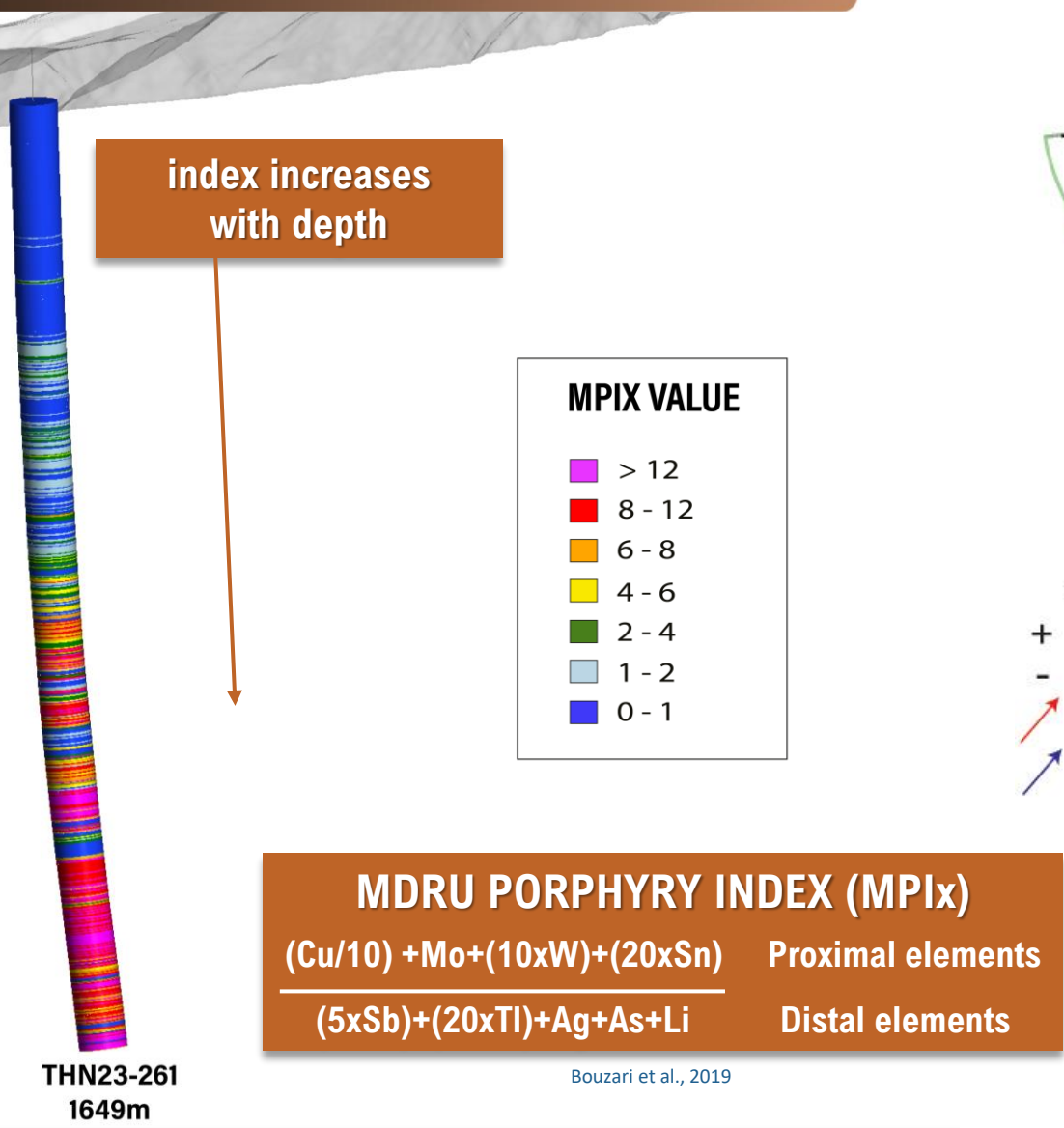
◆ Drill Hole Collars

— Previous Shallow  
Drilling

500 meters

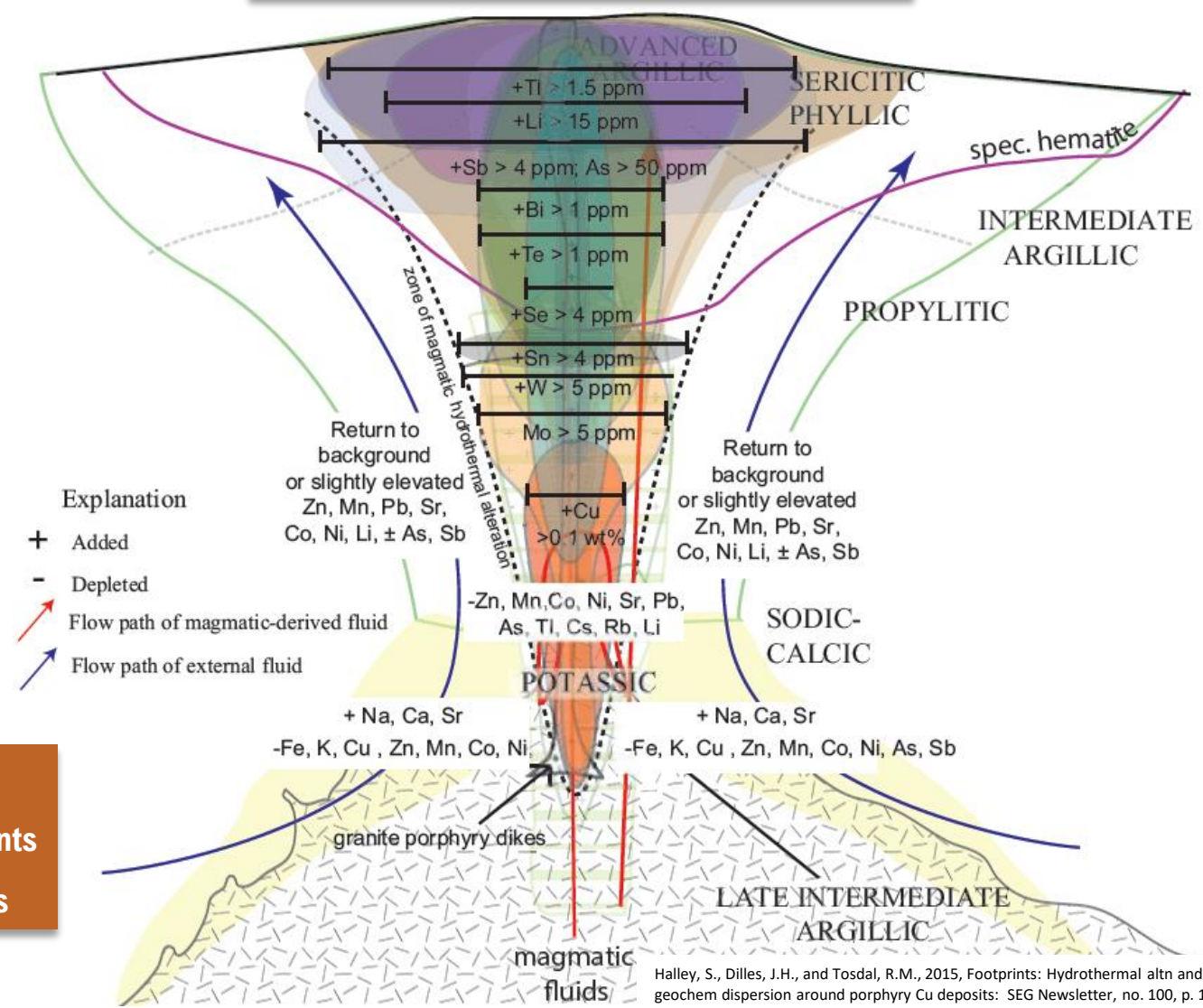


# PORPHYRY VECTORING - GEOCHEMISTRY



Bouzari et al., 2019

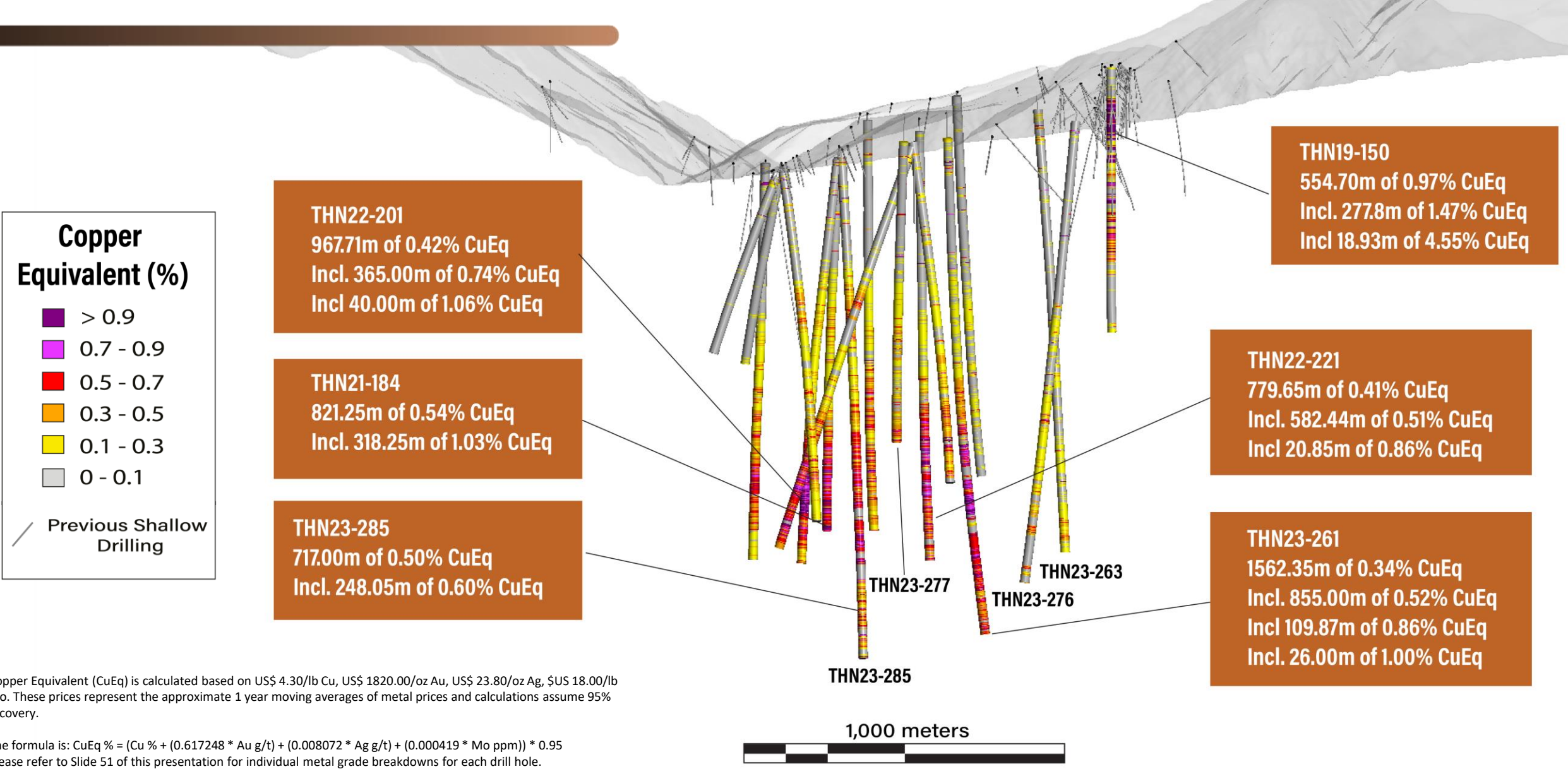
## VERTICAL DISTRIBUTION OF ELEMENTS



Halley, S., Dilles, J.H., and Tosdal, R.M., 2015, Footprints: Hydrothermal altn and geochem dispersion around porphyry Cu deposits: SEG Newsletter, no. 100, p. 1, 12-17.



# CAMP CREEK: A BLIND PORPHYRY DISCOVERY



Copper Equivalent (CuEq) is calculated based on US\$ 4.30/lb Cu, US\$ 1820.00/oz Au, US\$ 23.80/oz Ag, \$US 18.00/lb Mo. These prices represent the approximate 1 year moving averages of metal prices and calculations assume 95% recovery.

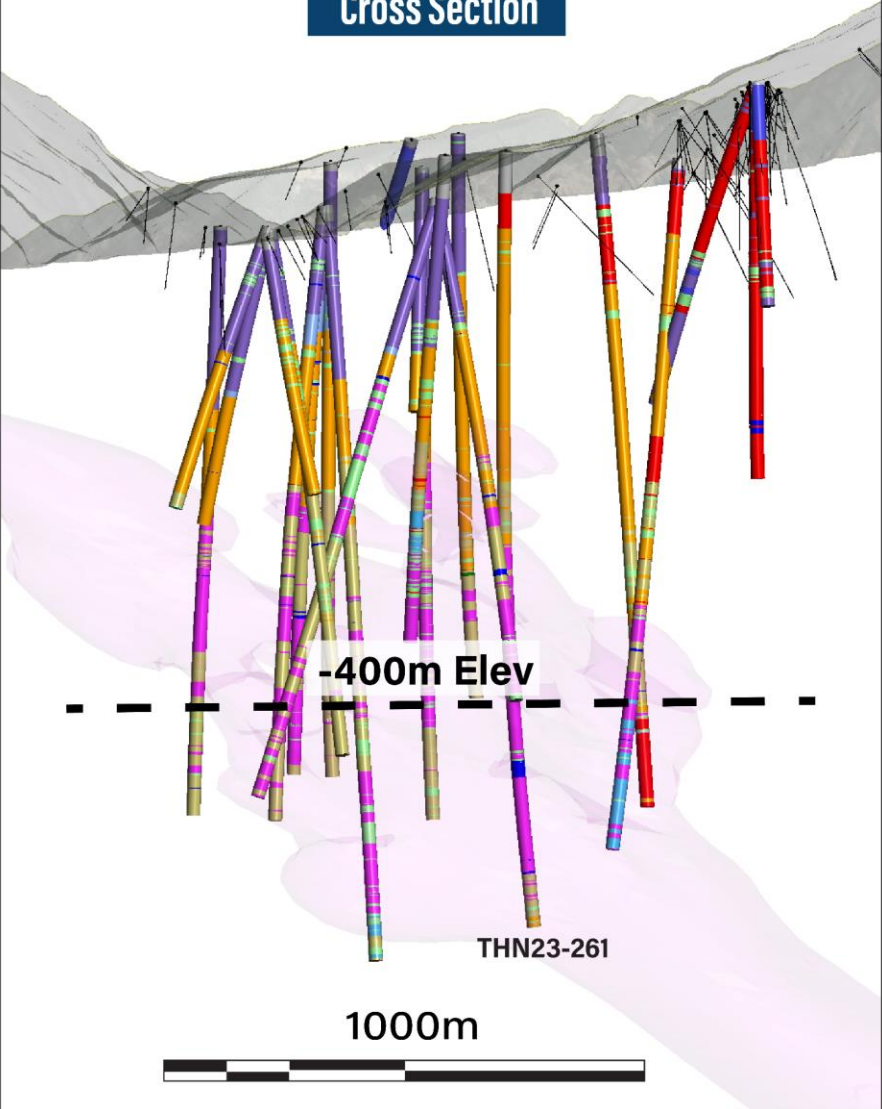
The formula is: CuEq % = (Cu % + (0.617248 \* Au g/t) + (0.008072 \* Ag g/t) + (0.000419 \* Mo ppm)) \* 0.95  
Please refer to Slide 51 of this presentation for individual metal grade breakdowns for each drill hole.

# -400m BELOW SEA LEVEL ELEVATION SLICE

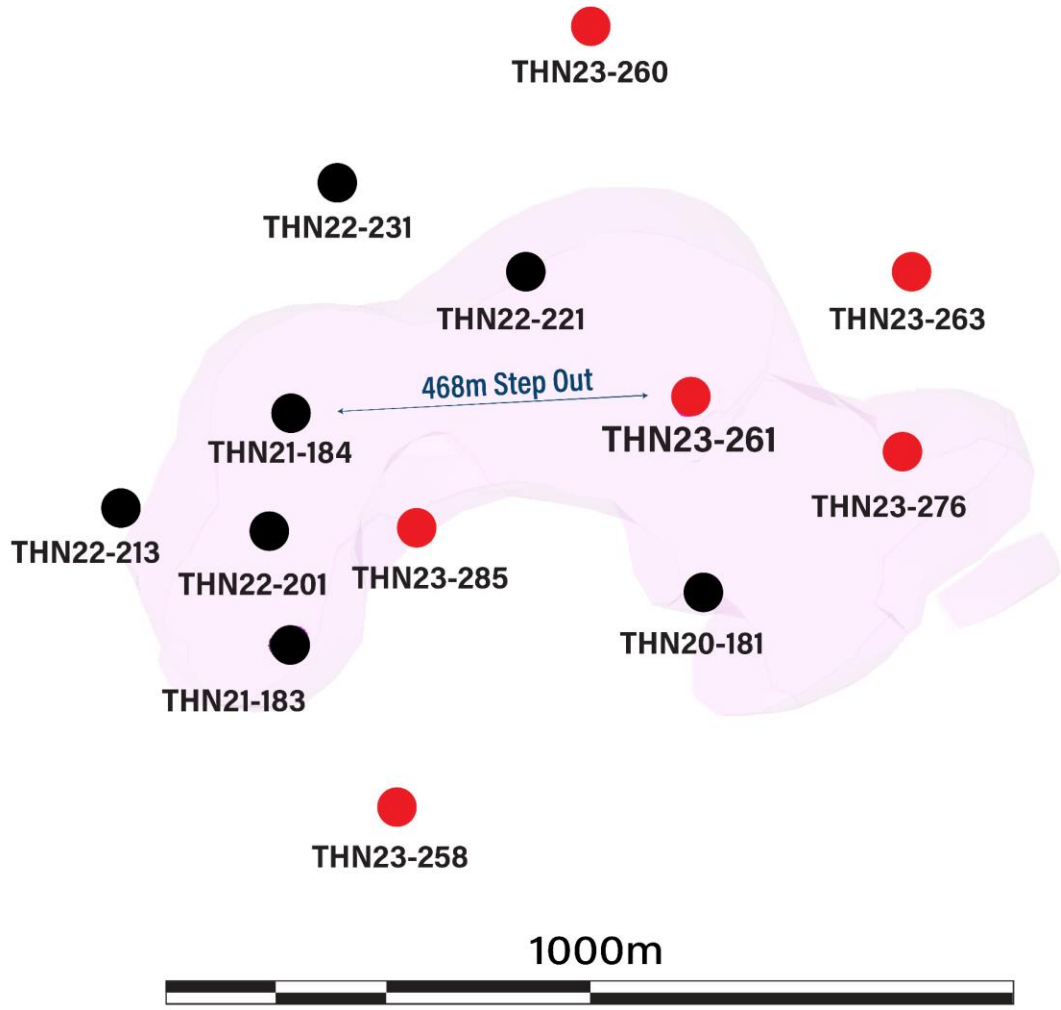
## Lithology

- Overburden
- Breccia
- Dykes
- Porphyry Z
- Porphyry W
- Porphyry Y
- Porphyry X
- Porphyry V
- Stuhini Seds
- 2023 Drilling
- 2020-2022 Drilling
- Modelled Porphyry X

## Cross Section



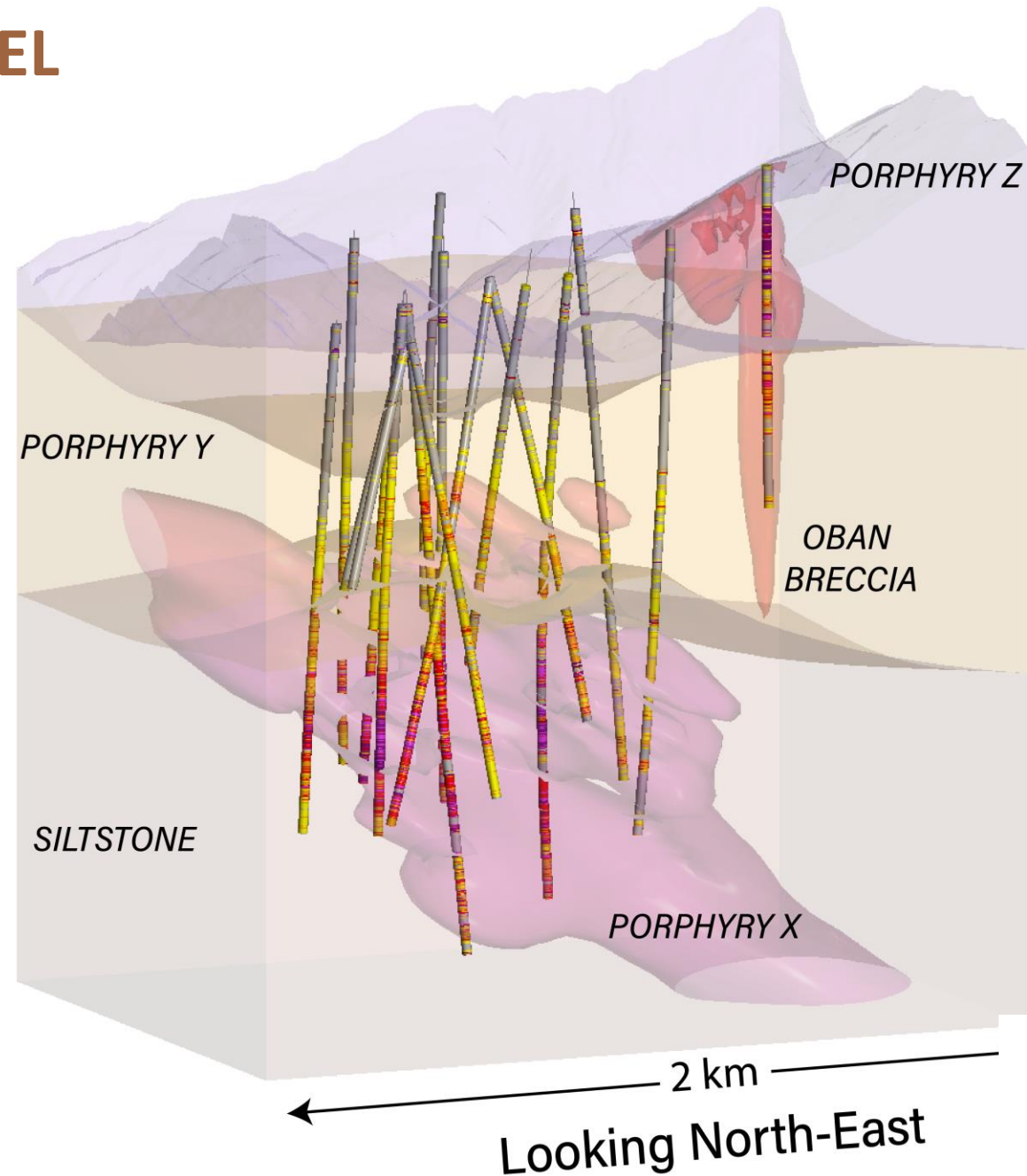
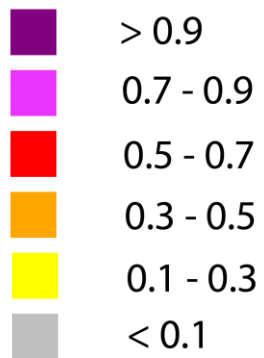
## -400m Elevation Slice





# CAMP CREEK CONCEPTUAL 3D MODEL

## Copper Equivalent (%)



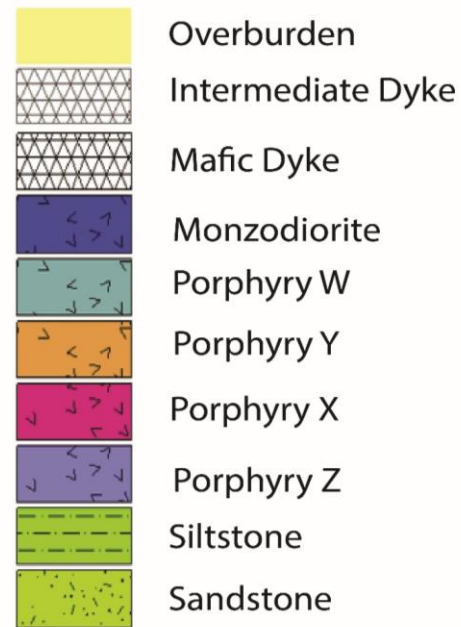
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The formula is:  $\text{CuEq \%} = (\text{Cu \%} + (0.617248 * \text{Au g/t}) + (0.008072 * \text{Ag g/t}) + (0.000419 * \text{Mo ppm})) * 0.95$   
Please refer to Slide 51 of this presentation for individual metal grade breakdowns for each drill hole.

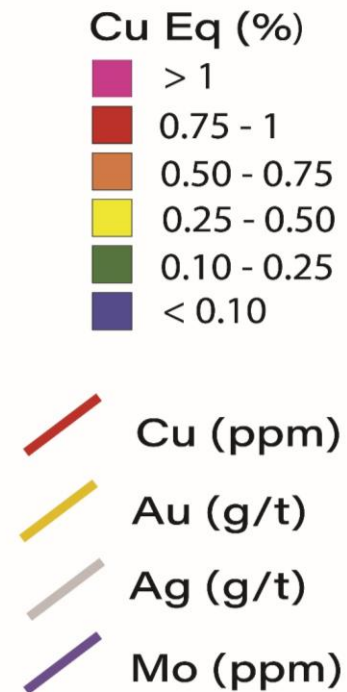


# THN22-201: STRIP LOG

## LITHOLOGY

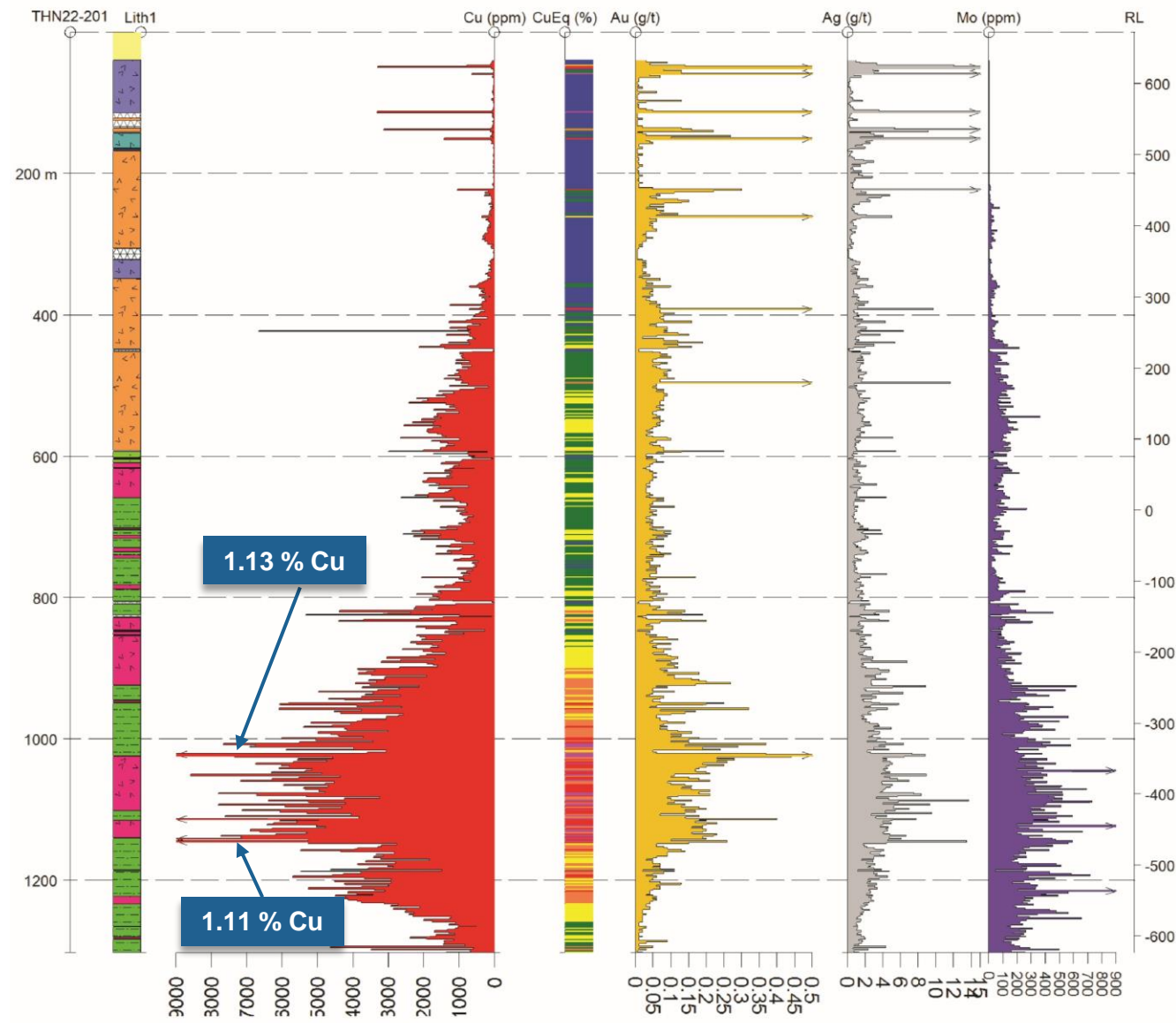


## ASSAYS



# THN22-201 STRIP LOG

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





# THN23-261: STRIP LOG

## THN23-261 STRIP LOG

Easting 628270.0    Northing 6491852.0    RL 781.0    Azimuth 358.0    Dip -81.0    Depth 1650.5m

129.45m:

Polyolithic  
Phreatomagmatic  
Breccia



492.42m:

D-vein hosted  
in PY



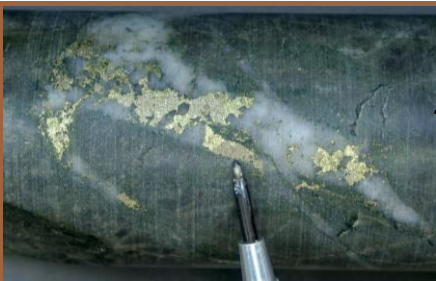
1442.70m:

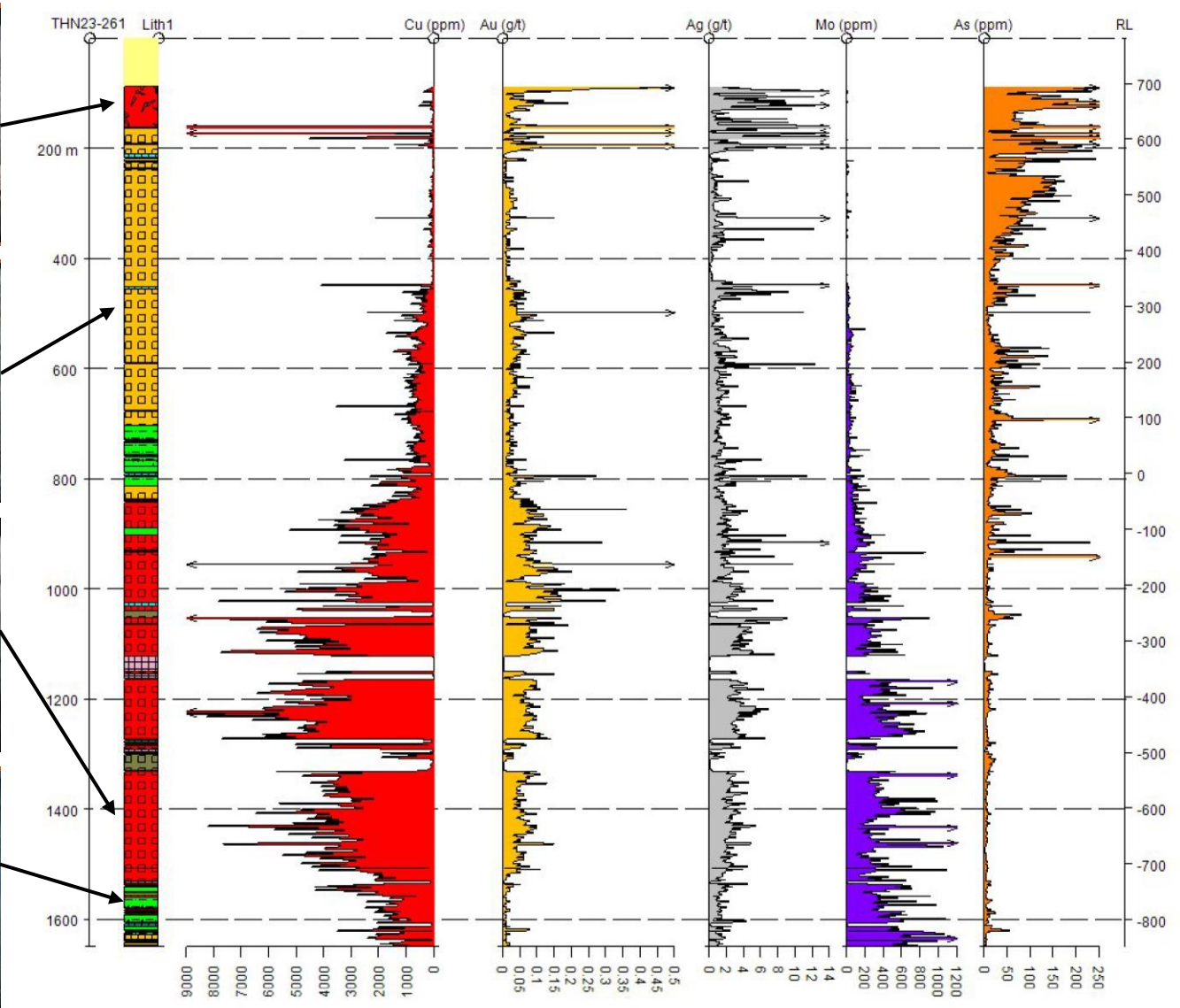
Cpy clots hosted in  
k-spar altered PX



1579.30m:

Qtz-Py-Cpy  
vein hosted in SLTS





### LITHOLOGY

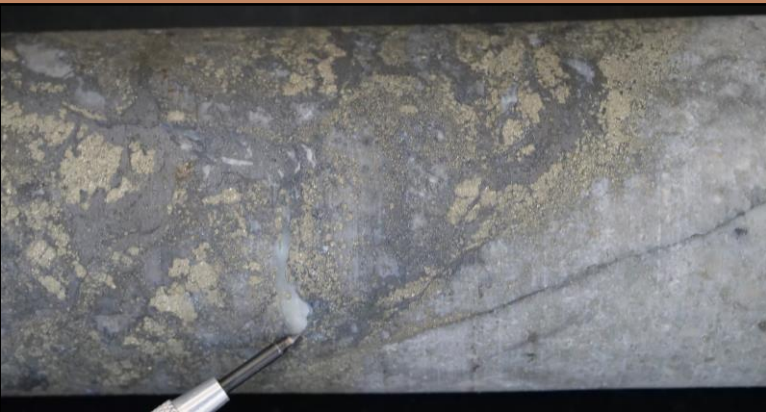
	Overburden
	Felsic Dyke
	Intermediate Dyke
	Mafic Dyke
	Breccia
	Porphyry V
	Porphyry X
	Porphyry Y
	Siltstone
	Sandstone

### ASSAYS

	Cu (ppm)
	Au (g/t)
	Ag (g/t)
	Mo (ppm)
	As (ppm)



# THN23-261 MINERALIZATION HIGHLIGHTS



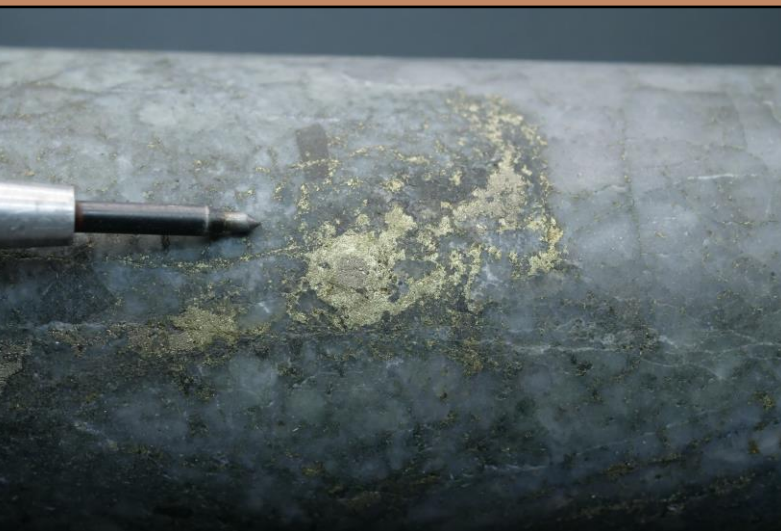
**161.8m:** 1.00m of 1.28g/t Au, 150.0g/t Ag & 1.97% Cu  
Fracture filled semi-massive Py-Ss hosted in BX



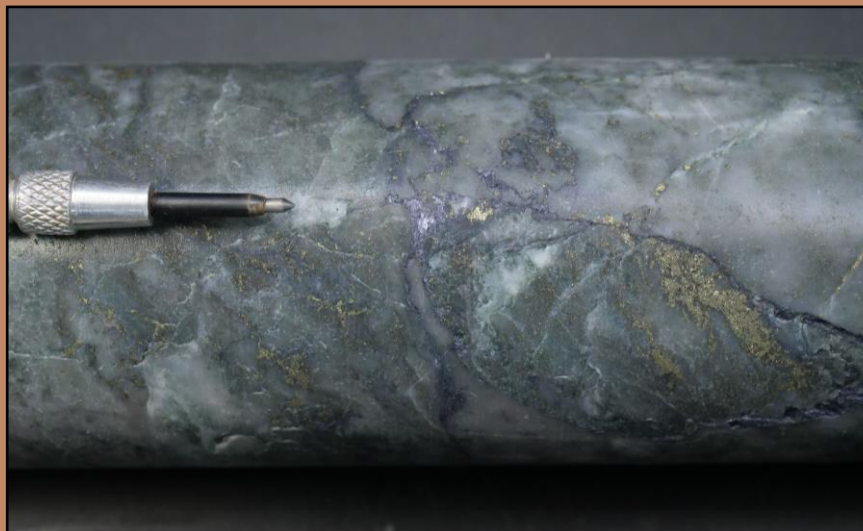
**172.60m:** 1.50m of 0.63g/t Au, 159.0g/t Ag & 2.74% Cu  
Py-Ss Vein  
hosted in Porphyry Y



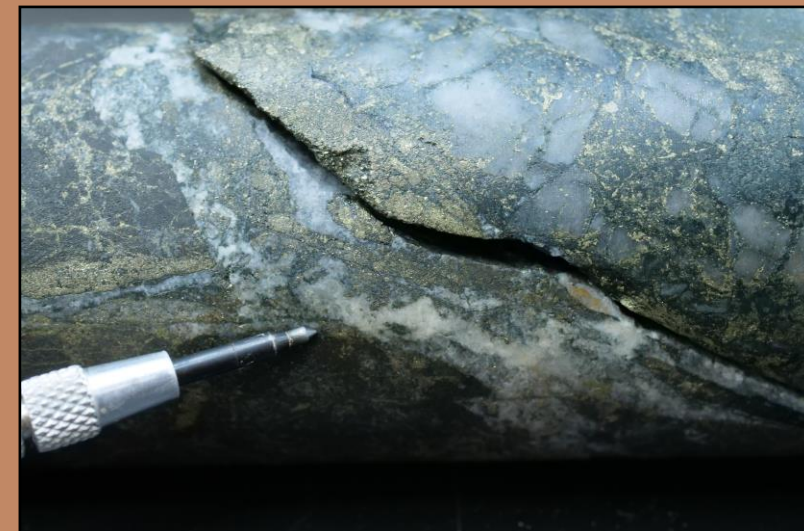
**1461.85m:** 2.00m of 0.64% Cu & 1215ppm Mo  
Cpy A-vein hosted in Porphyry X



**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/t Au, 7.80g/t Ag, 1.10% Cu, 591ppm Mo  
Disseminated Py-Cpy hosted in SLTS

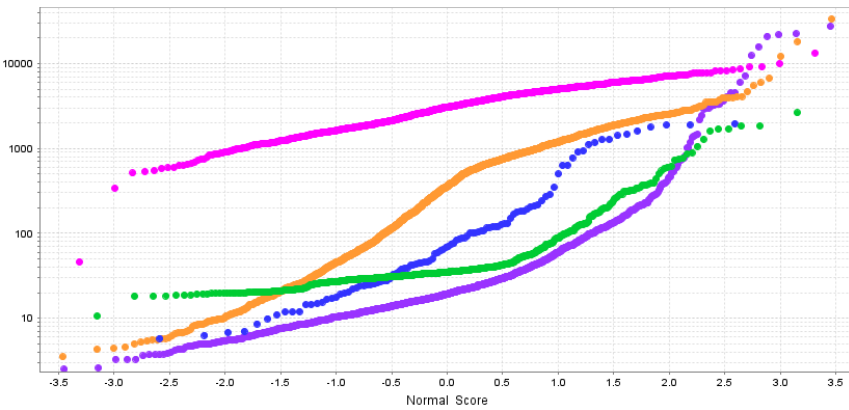


**THN22-213 at 938.85m:** 1.00m of 0.39g/t Au, 5.42g/t Ag, 0.85% Cu & 187.5ppm Mo  
Py-Mo hosted in Mineralized Mafic Dyke

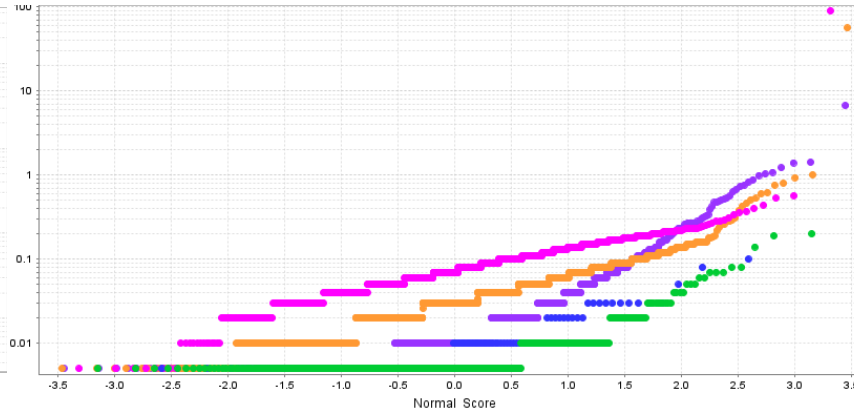


# METAL CONTENT OF CAMP CREEK PORPHYRY PHASES

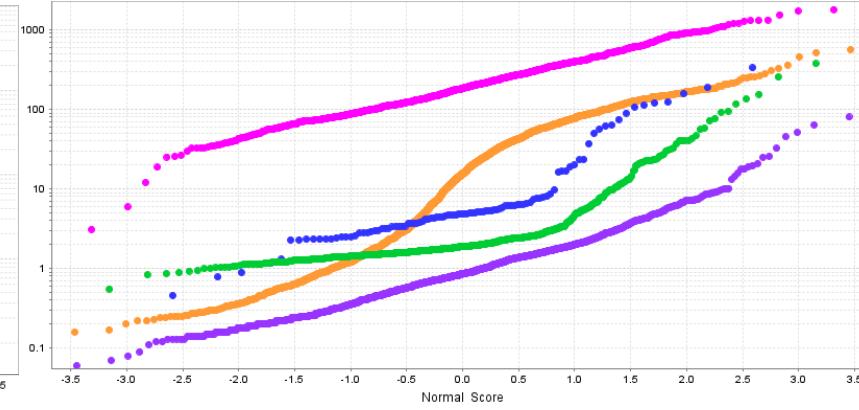
Copper (ppm)



Gold (ppm)



Molybdenum (ppm)



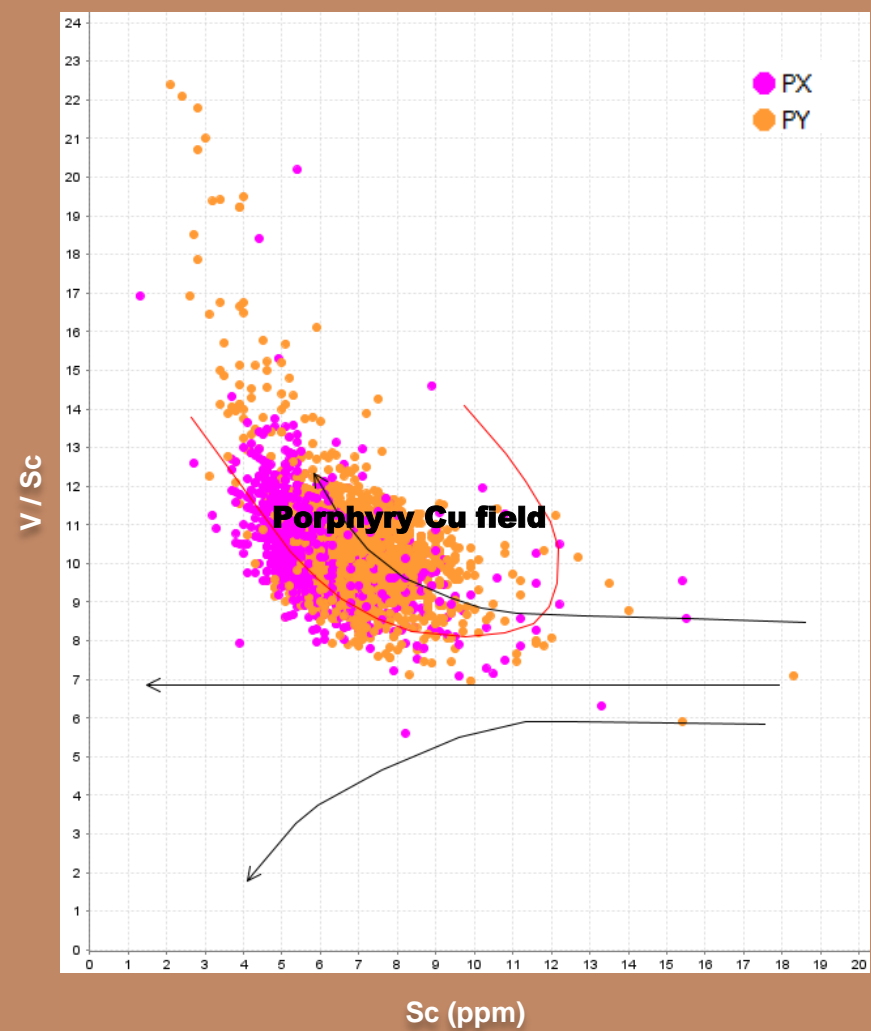
Porphyry X – Crowded Feldspar Porphyry with Stacked Biotite  
THN23-261 NQ Size Core at 1448.65m

- Dyke
- Porphyry V
- Porphyry X
- Porphyry Y
- Porphyry Z

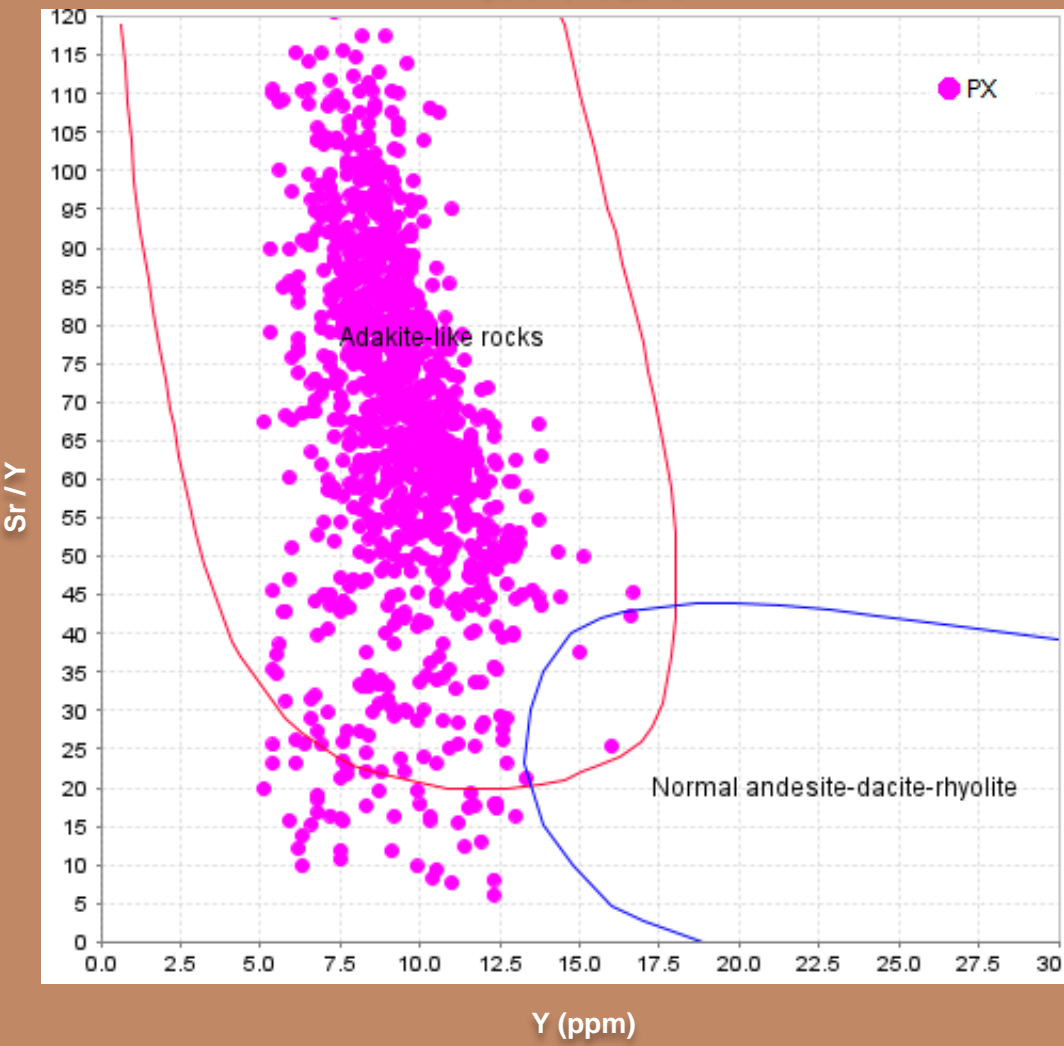


# CAMP CREEK PORPHYRY x FERTILITY

V / Sc vs. Sc



Sr / Y vs. Y

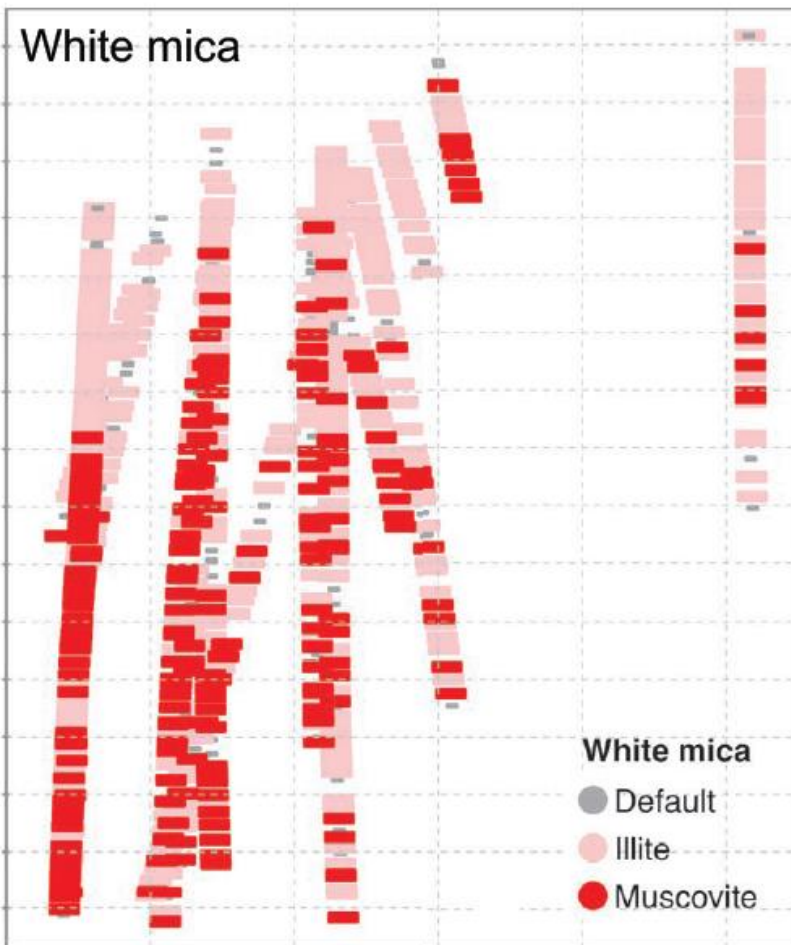


Olson, N.H., Dilles, J.H., Kent, A.R., and Lang, J.L., 2017, Geochemistry of the Cretaceous Kaskanak Batholith and genesis of the Pebble porphyry Cu-Au-Mo deposit, Southwest Alaska: American Mineralogist, v. 102, p. 1597-1621.

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

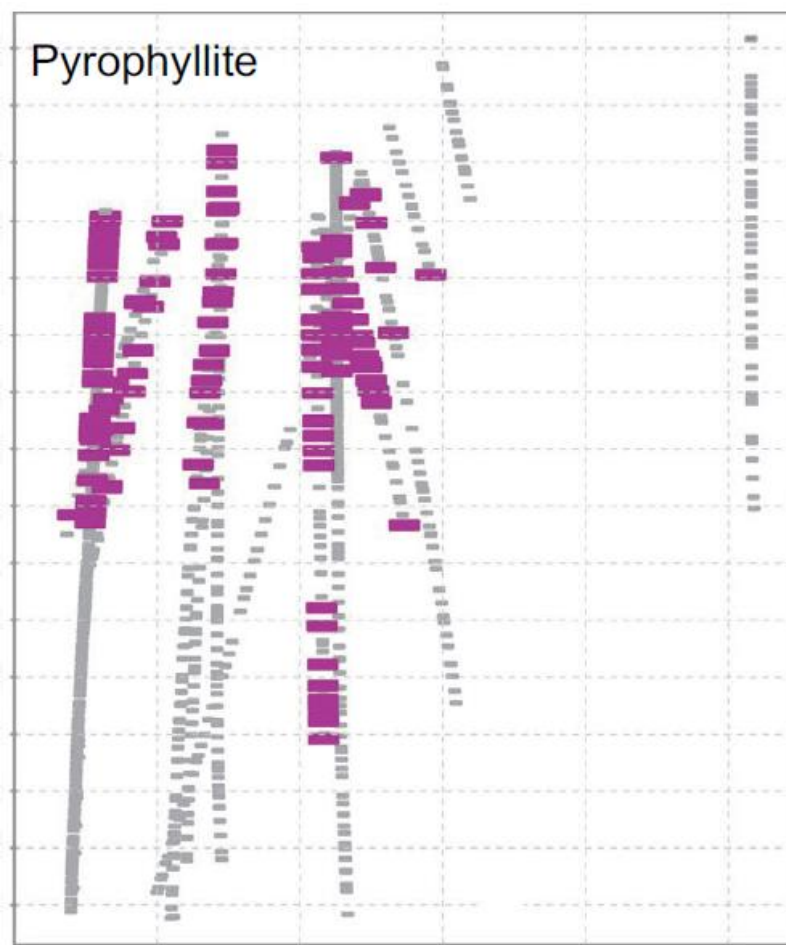


# CURRENT RESEARCH – MDRU WHITE MICA EVALUATION



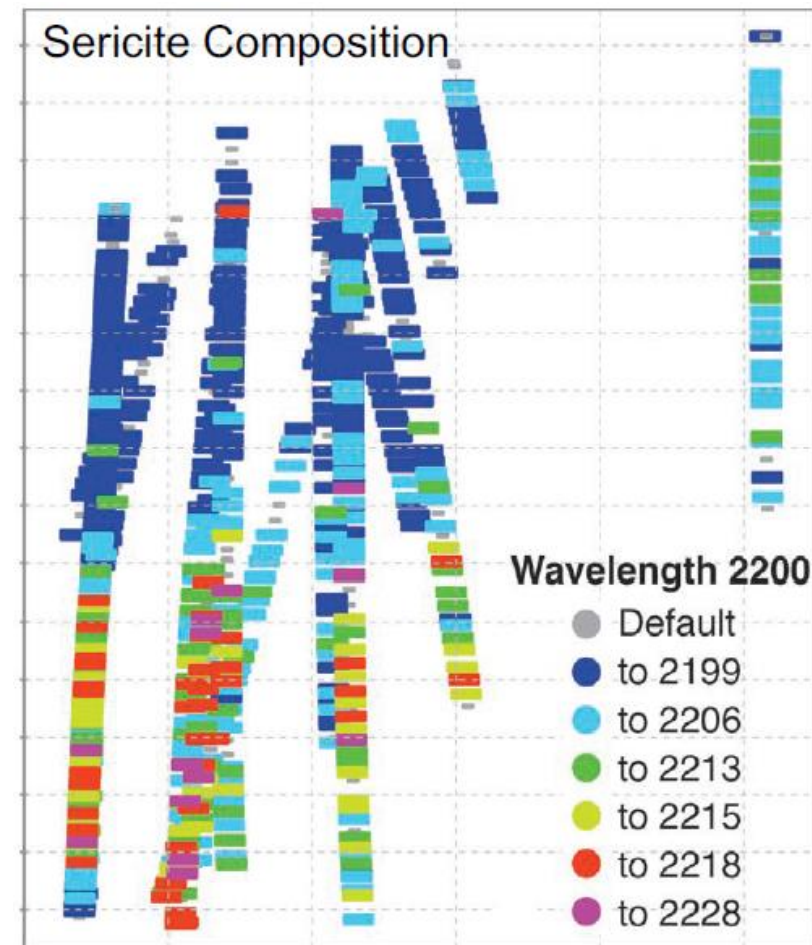
## WHITE MICA

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.



# 2023 GLOBAL COPPER INTERCEPTS (to September 21<sup>st</sup>)

## Copper as the Primary Commodity

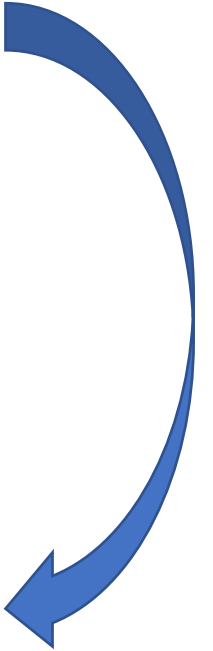
Project	Country	Company	Date	Hole ID	From (m)	To (m)	Interval (m)	Cu (%)	Au (g/t)	Ag (g/t)	Mo (ppm)	CuEq (%)*	Market Cap (\$M)
Filo del Sol	Argentina	Filo Mining Corp	2023-AUG-21	FSDH084	170.00	1575.80	1405.80	0.62	0.43	23.2		1.070	2629.0
Valeriano	Chile	ATEX Resources	2023-MAR-30	ATXD-11B	848.00	2190.50	1342.50	0.46	0.31		43	0.671	125.7
Chita Valley	Argentina	Minsud Resources	2023-MAY-08	CHDH23-69	456.00	1242.00	786.00	0.43	0.23	15.8	368	0.905	180.3
Aurora	Peru	DLP Resources	2023-SEP-05	A23-010	0.00	1002.55	1002.55	0.20		2.2	838	0.691	47.8
Altar	Argentina	Aldebaran Resources	2023-MAY-31	ALD-23-225B	291.00	1347.20	1056.20	0.51	0.05	2.4	125	0.610	120.9
Los Helados	Chile	NGEx Minerals	2023-APR-13	LHDH084	728.00	1500.00	772.00	0.67	0.11	1.7	119	0.793	1034.0
Thorn	Canada	Brixton Metals	2023-SEP-21	THN23-261	87.65	1650.00	1562.35	0.19	0.05	2.8	180	0.340	61.1
Gaspe	Canada	Osisko Metals	2023-JAN-24	30-1005	225.00	1236.00	1011.00	0.46		3.2		0.463	48.7
Warintza	Ecuador	Solaris Resources	2023-JUN-28	SLS-72	48.00	878.00	830.00	0.39	0.08		200	0.540	725.9
Kwanika	Canada	Northwest Copper	2023-JAN-16	K-22-255	152.20	552.00	399.80	0.62	0.74	2.0		1.105	33.3
CSA	Australia	Metals Acquisition	2023-SEP-11	UDD20134	170.60	221.00	50.40	8.90		36.0		8.750	308.8
Parks/Salyer	United States	Arizona Sonoran Copper	2023-JAN-17	ECP-108	330.70	520.00	189.30	2.00			130	1.975	177.7
Los Azules	Argentina	McEwen Mining	2023-APR-05	AZ22179	106.00	749.00	643.00	0.54	0.08	1.3		0.578	439.1
Cobrasco	Columbia	Rugby Resources	2023-JAN-17	CDH002	152.00	906.00	754.00	0.46			76	0.481	10.6
NAK	Canada	American Eagle Gold	2023-AUG-09	NAK23-08	26.10	802.00	775.90	0.22	0.27	1.2	100	0.459	24.0
Cotabambas	Peru	Panoro Minerals	2023-JUL-17	CB-224	3.00	319.90	316.90	0.72	0.50	4.0	79	1.100	31.7
Beskauga	Kazakhstan	Arras Minerals	2023-JAN-23	BG22012	41.00	406.00	365.00	0.40	0.54	2.0	35	0.782	12.3
Arctic	Alaska, USA	Trilogy Metals	2023-APR-04	AR22-0205	128.70	171.47	42.77	3.09	0.84	72.1		4.094	98.0
Marimaca	Chile	Marimaca Copper Corp	2023-JAN-23	LAR-109	32.00	340.00	308.00	0.94				0.893	376.1
Kliyul	Canada	Pacific Ridge Exploration	2023-JAN-18	KLI-22-050	58.00	584.00	526.00	0.20	0.43	1.0		0.489	27.5

Note: Only the best hole from 2023 was included for each project. Market Cap values from September 21<sup>st</sup>, 2023.

\*Copper Equivalent (CuEq) is calculated based on US\$ 3.82/lb Cu, US\$ 1863.32/oz Au, US\$ 22.59/oz Ag, \$US 23.19/lb Mo. These prices represent the approximate 1 year moving averages of metal prices and calculations assume 95% recovery for every metal and each individual project. The formula is:  $CuEq \% = (Cu \% + (0.711384 * Au \text{ g/t}) + (0.008624 * Ag \text{ g/t}) + (0.000607 * Mo \text{ ppm})) * 0.95$

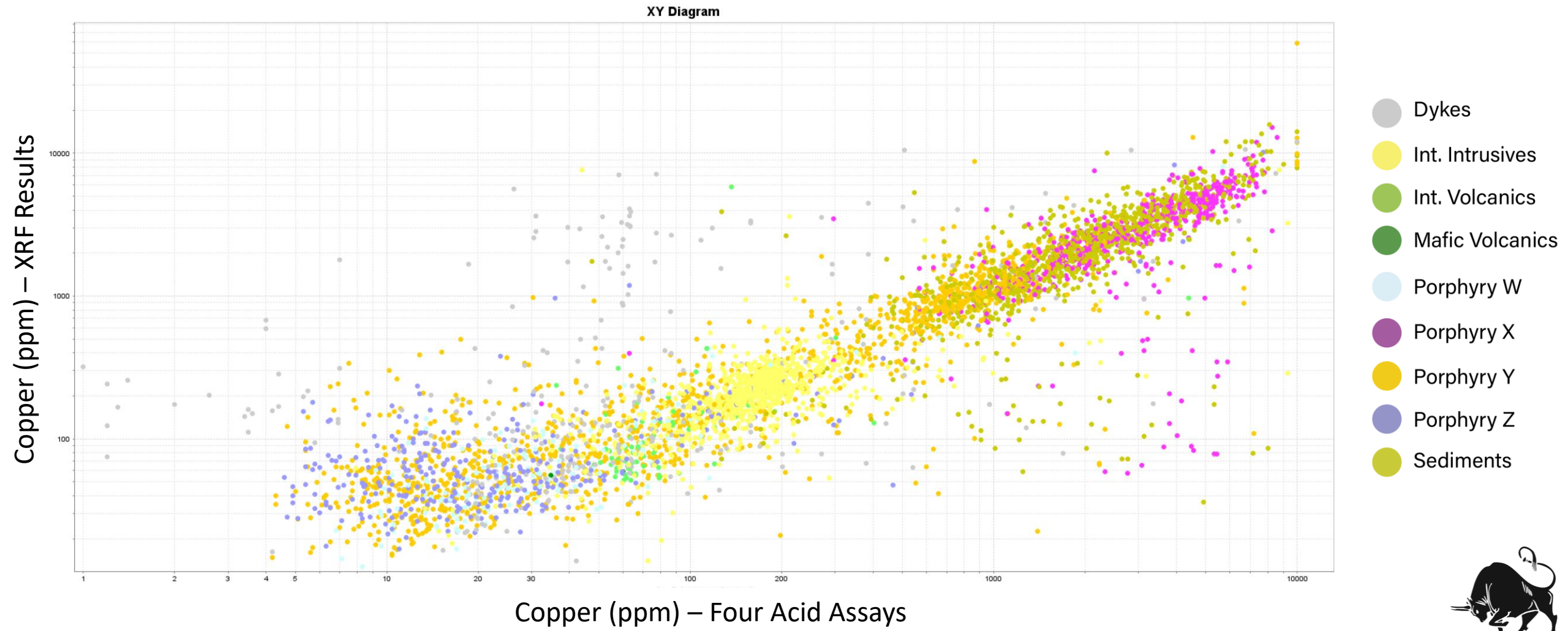


# EXPLORATION TOOLBOX – pXRF



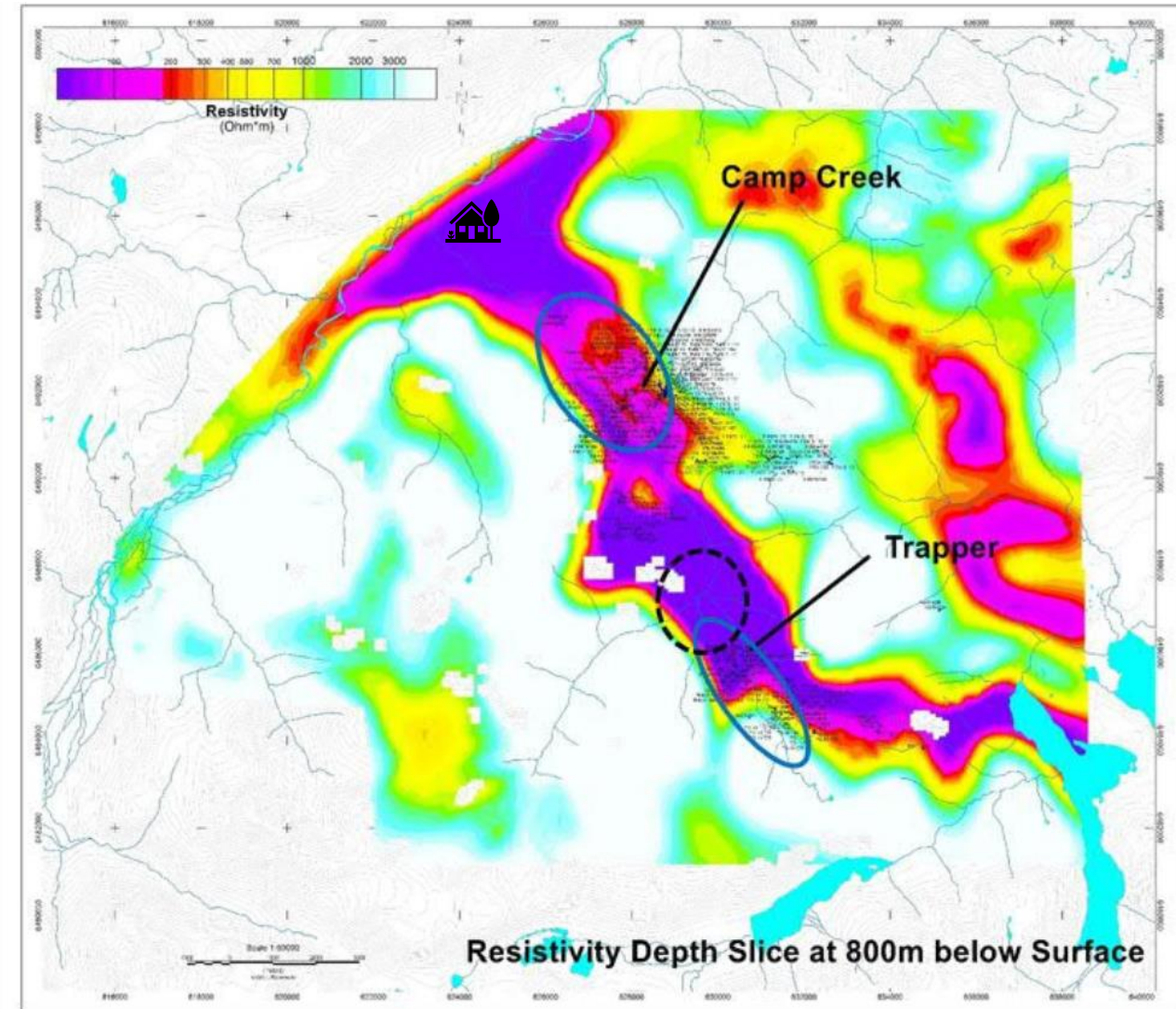
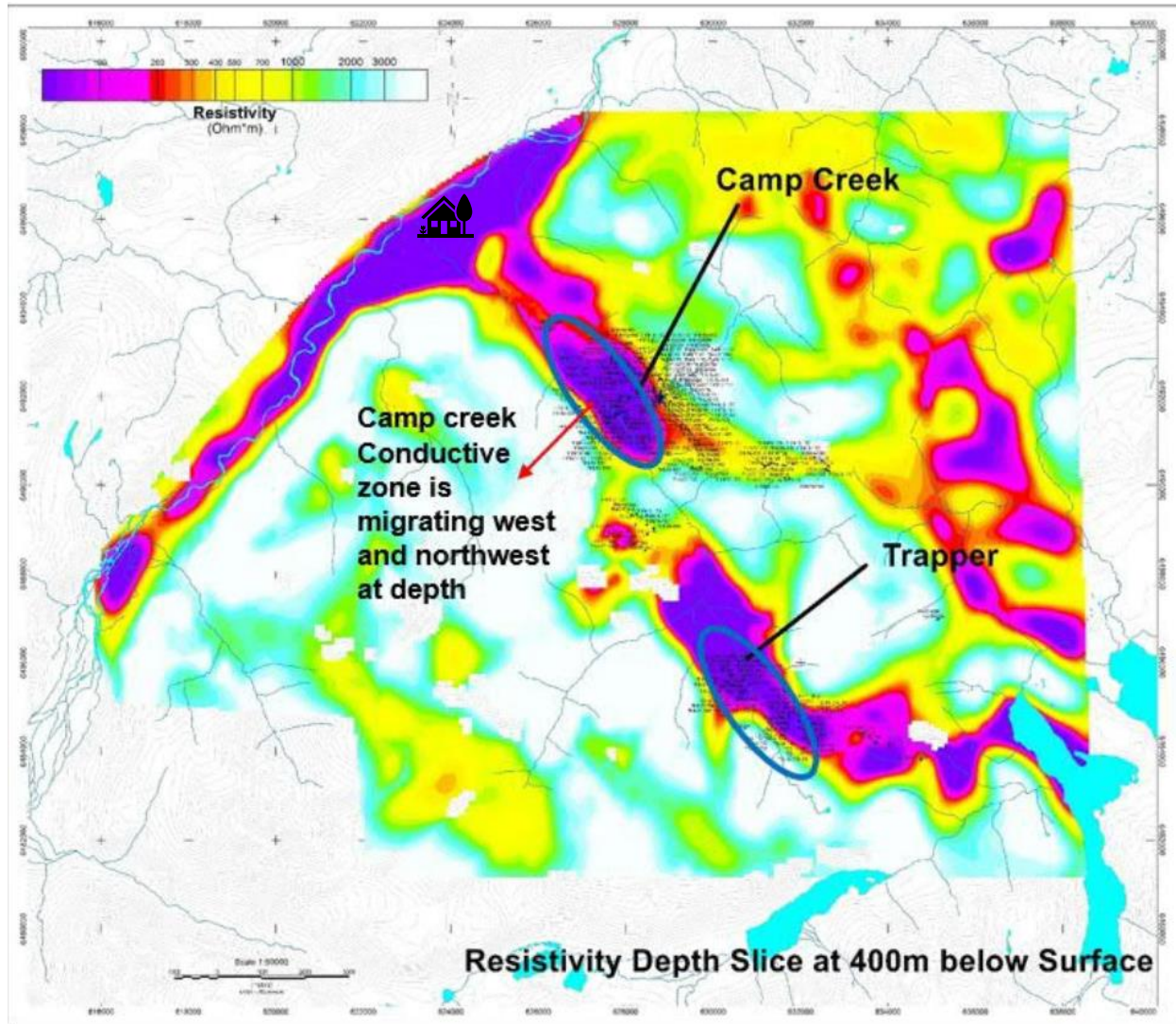


# pXRF vs. Four Acid Digestion Assays



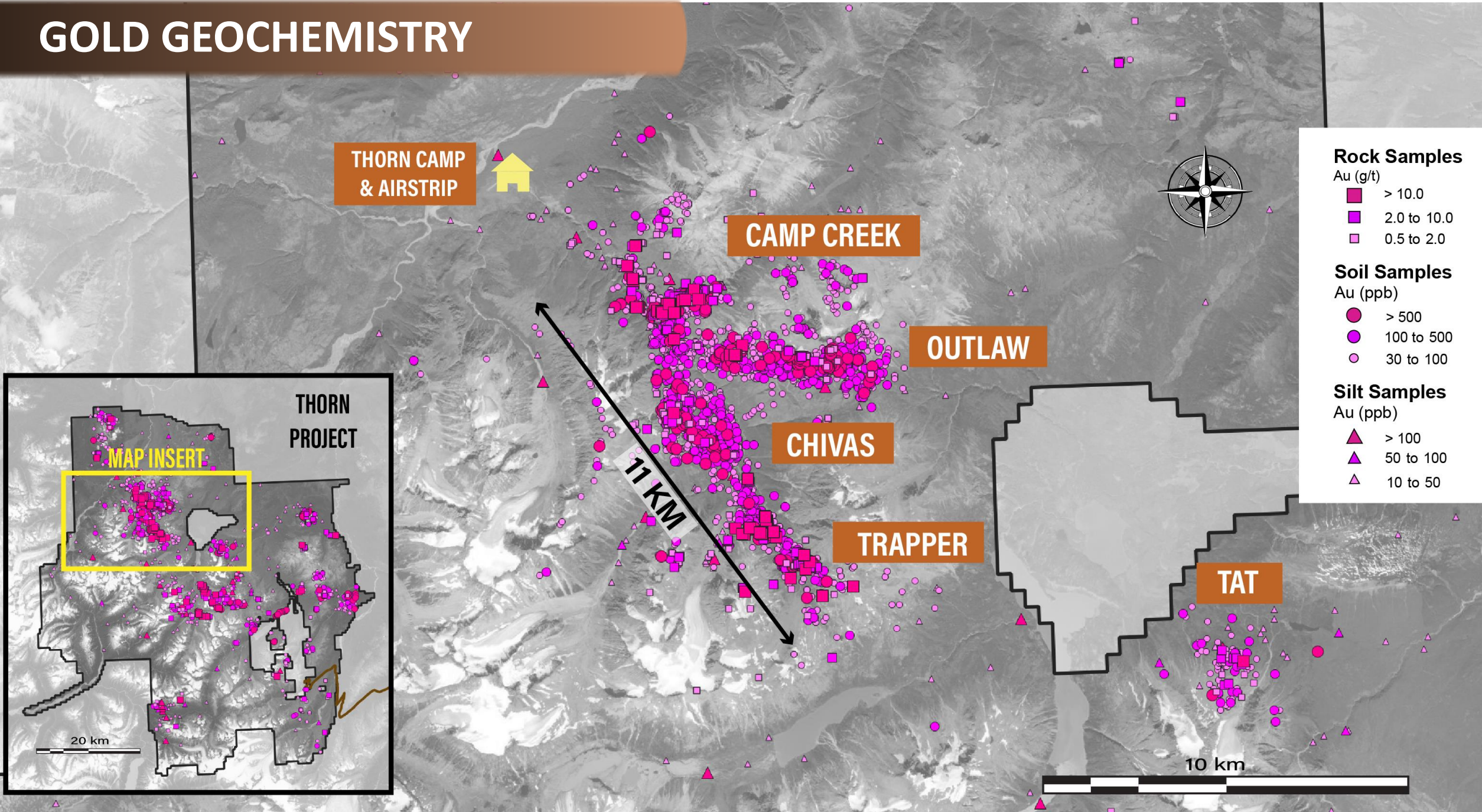


# MOBILE MT GEOPHYSICS



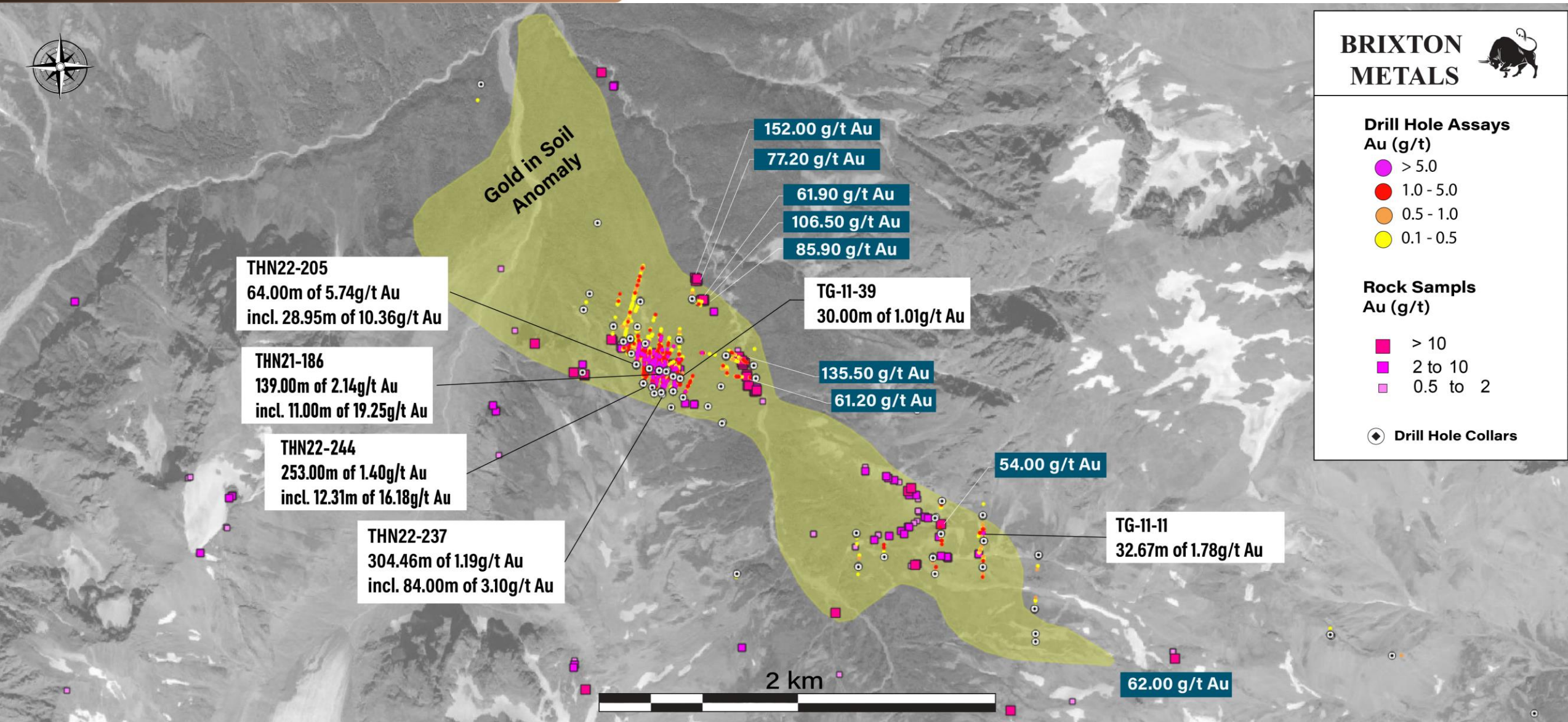


# GOLD GEOCHEMISTRY





# PREVIOUS TRAPPER DRILLING



**BRIXTON  
METALS**





# 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

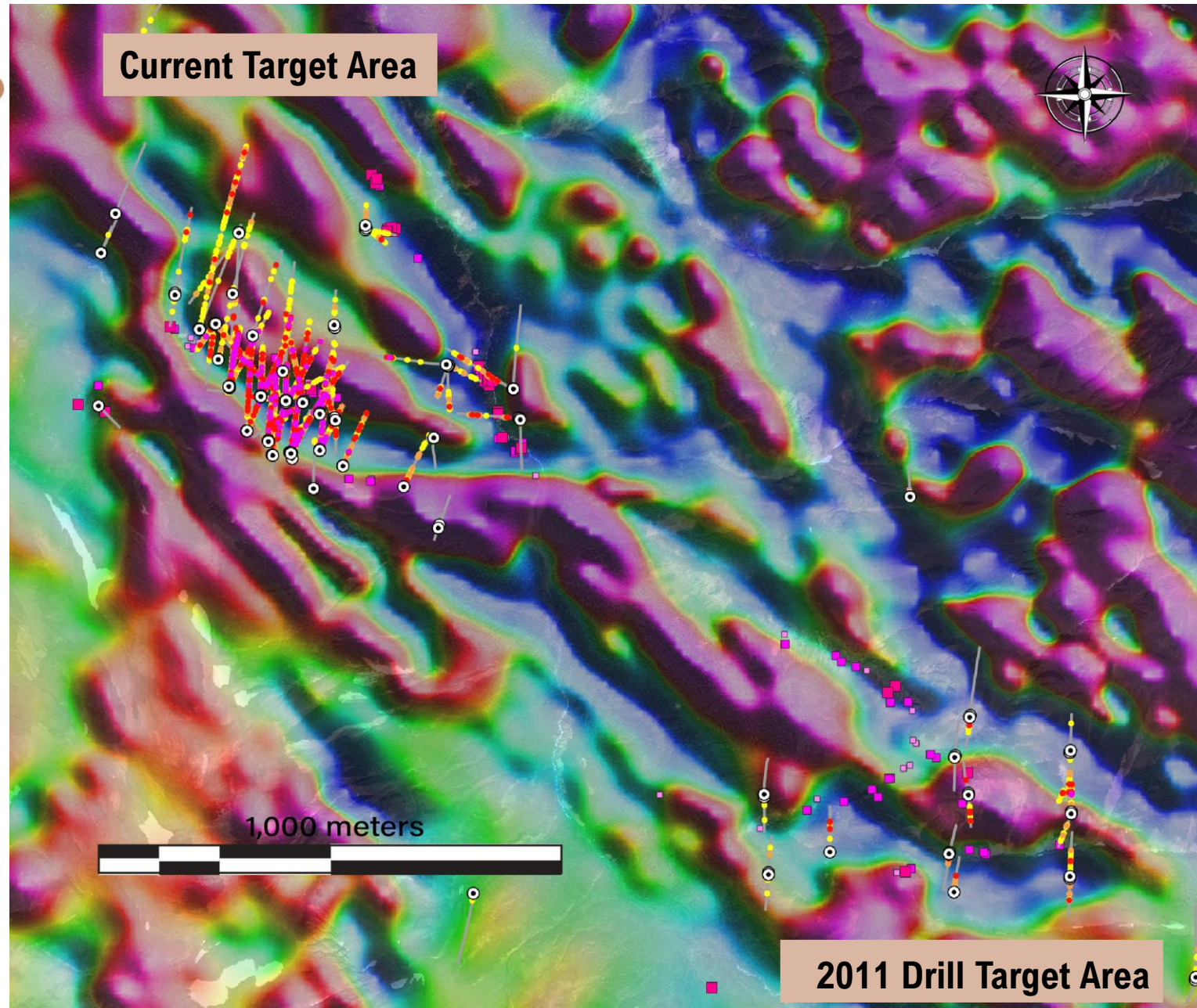
## Rock Samples

Au (g/t)

- > 10
- 2 to 10
- 0.5 to 2

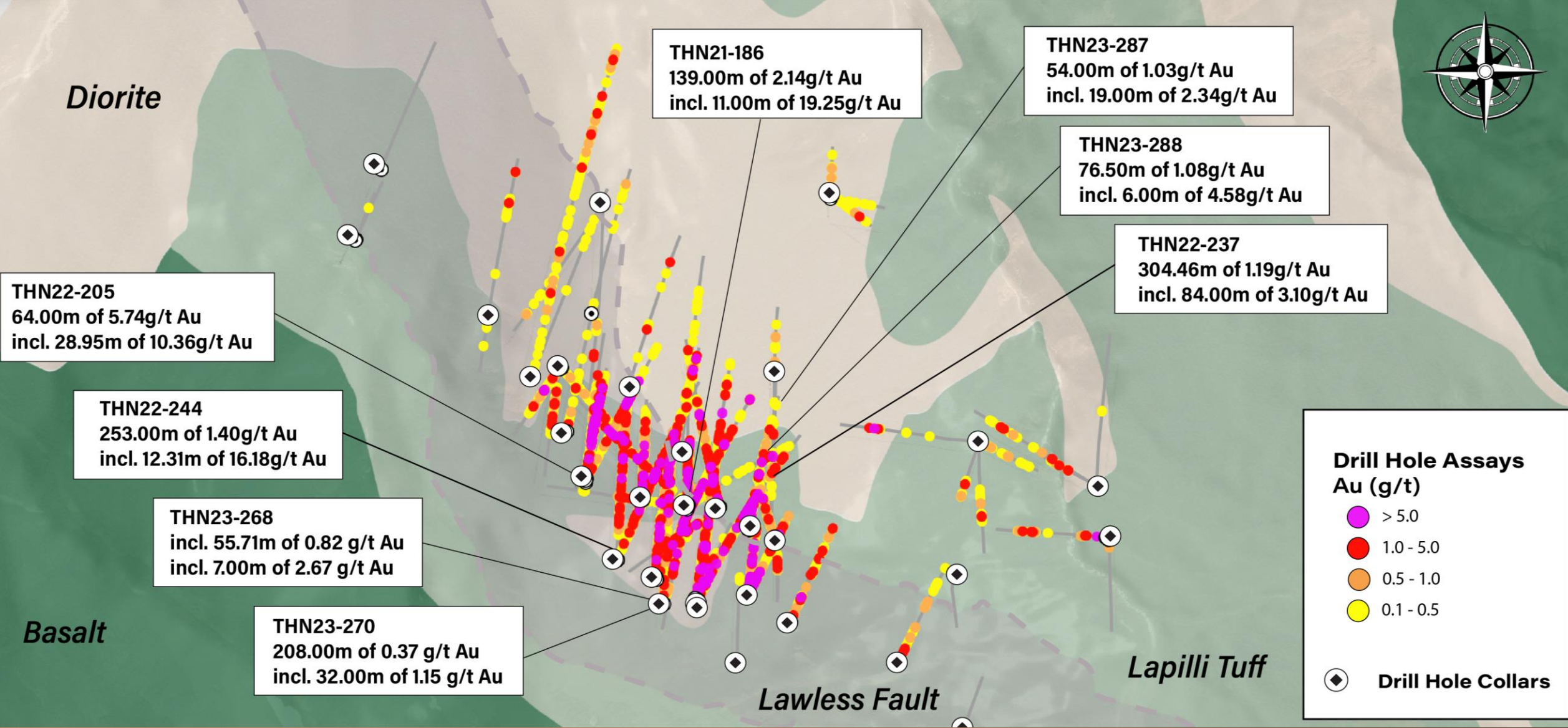
⊙ Drill Hole Collars

— Drill Trace





# TRAPPER GEOLOGY / DRILLING HIGHLIGHTS

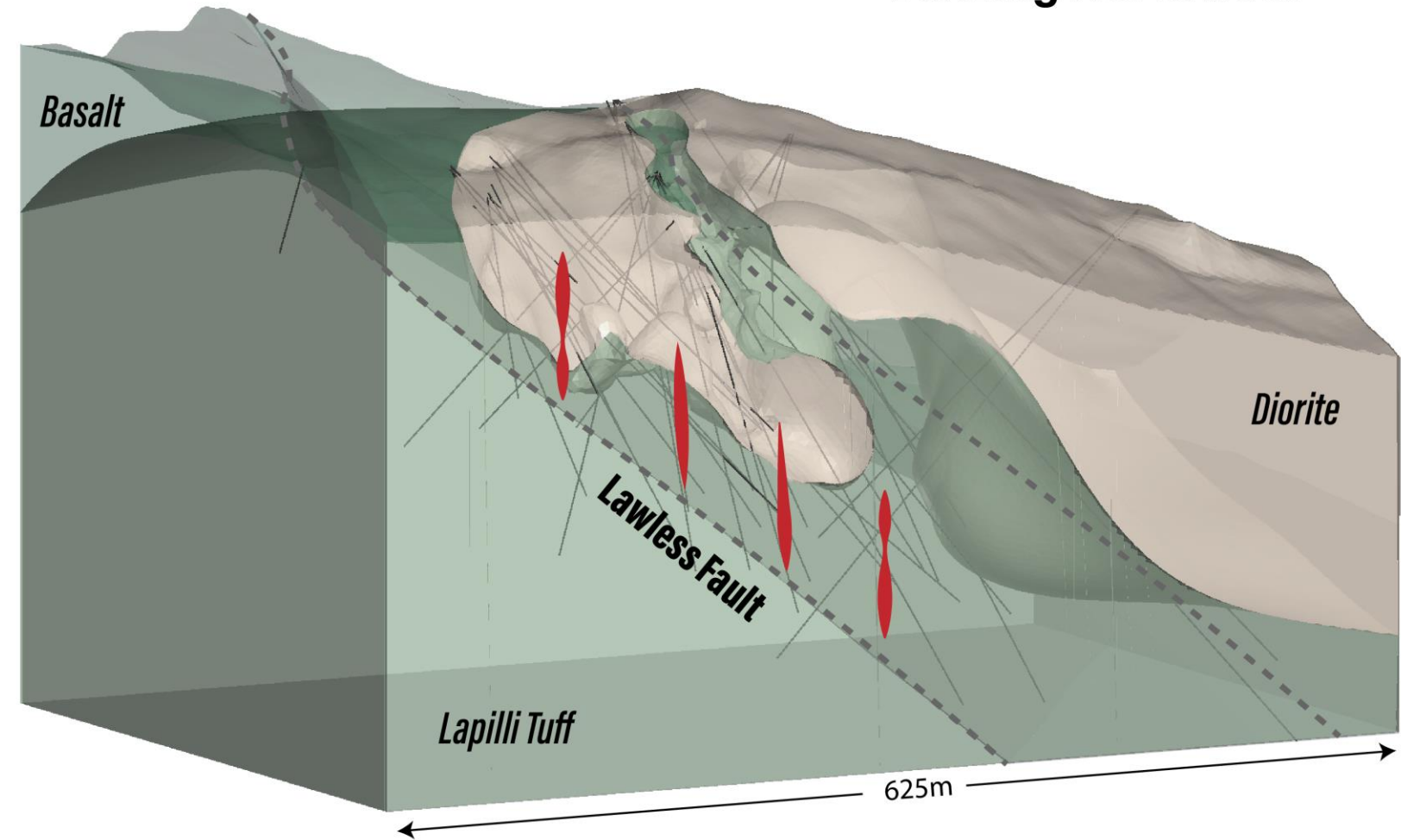




# TRAPPER 3D CONCEPTUAL DEPOSIT MODEL

Viewing Northwest

Intermediate Sulphidation  
Epithermal System



Gold Bearing Vein Sets



Fault



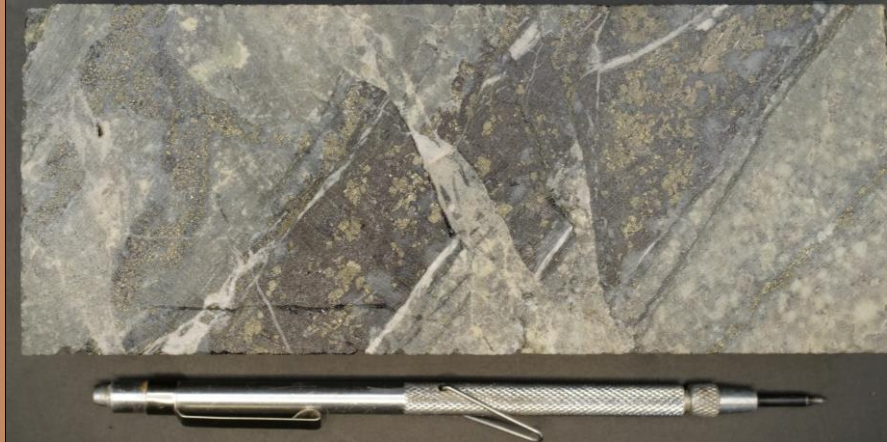
Drill Trace



# 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



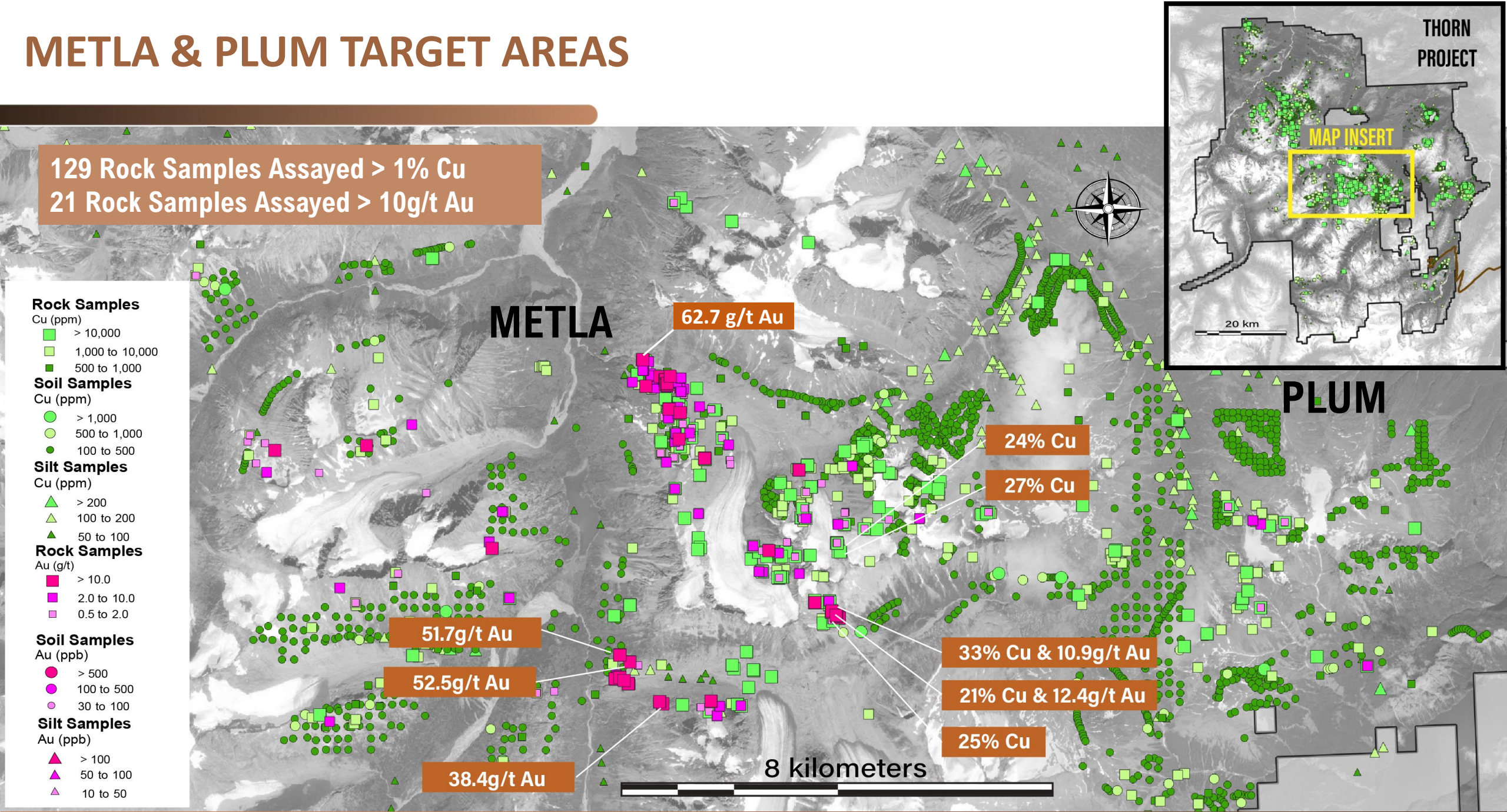
**THN22-255 at 61.77m:** 0.30m of 15.45 g/t Au  
Visible Gold hosted in Quartz Diorite



**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





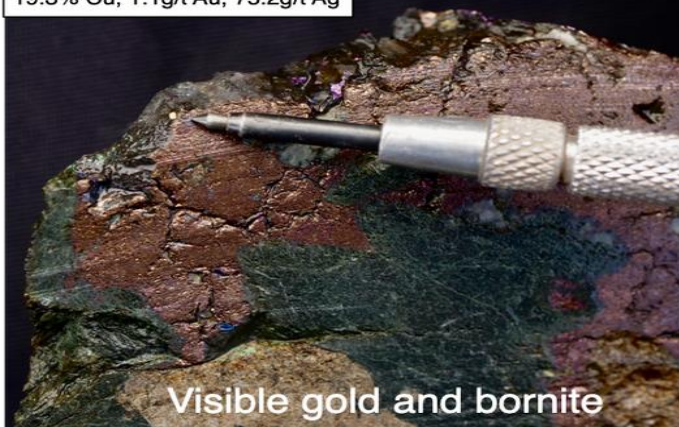
# METLA COPPER-GOLD ALKALIC PORPHYRY TARGET

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



Chalcopyrite in Quartz-Kspar Vein

**D200069**  
19.3% Cu, 1.1g/t Au, 75.2g/t Ag

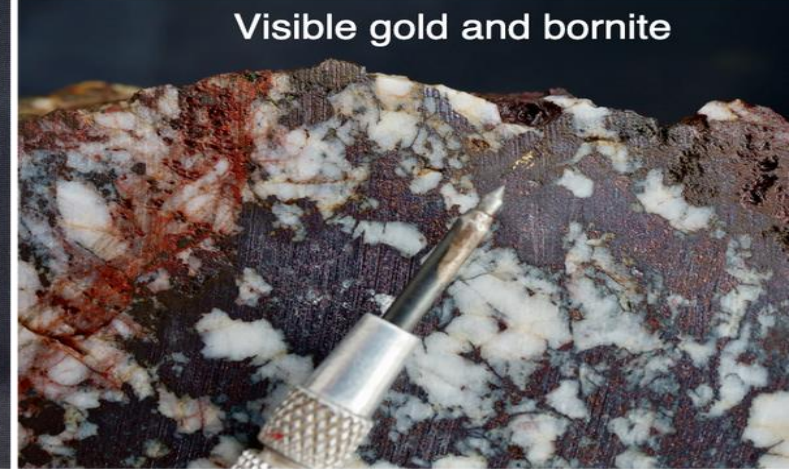


Visible gold and bornite

**D200070**  
18.1% Cu, 1.2g/t Au, 82.8g/t Ag



Bornite and Chalcopyrite



Visible gold and bornite





# NORTH 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

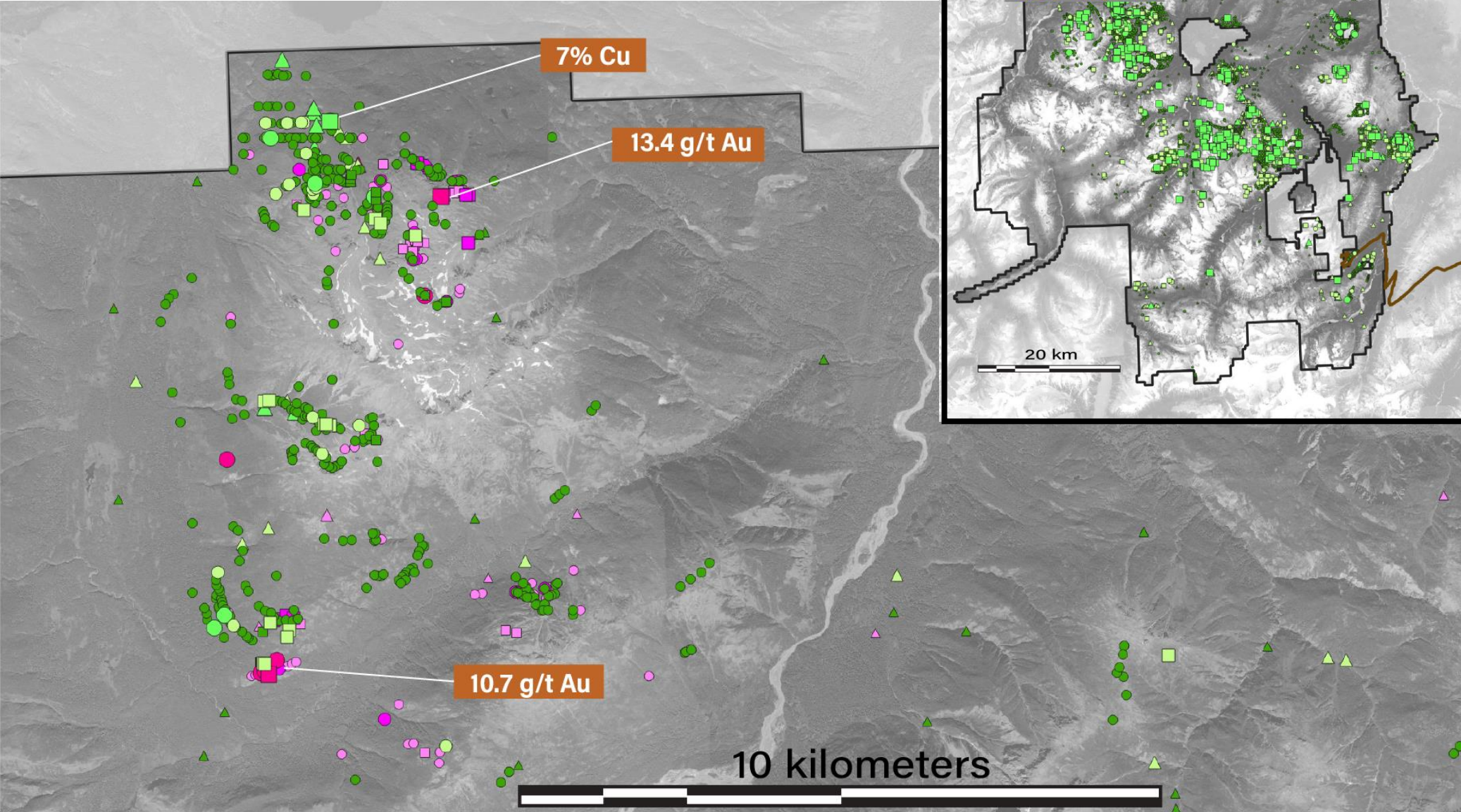
- Au (g/t)
- > 10.0
  - 2.0 to 10.0
  - 0.5 to 2.0

## Soil Samples

- Au (ppb)
- > 500
  - 100 to 500
  - 30 to 100

## Silt Samples

- Au (ppb)
- > 100
  - 50 to 100
  - 10 to 50





# 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

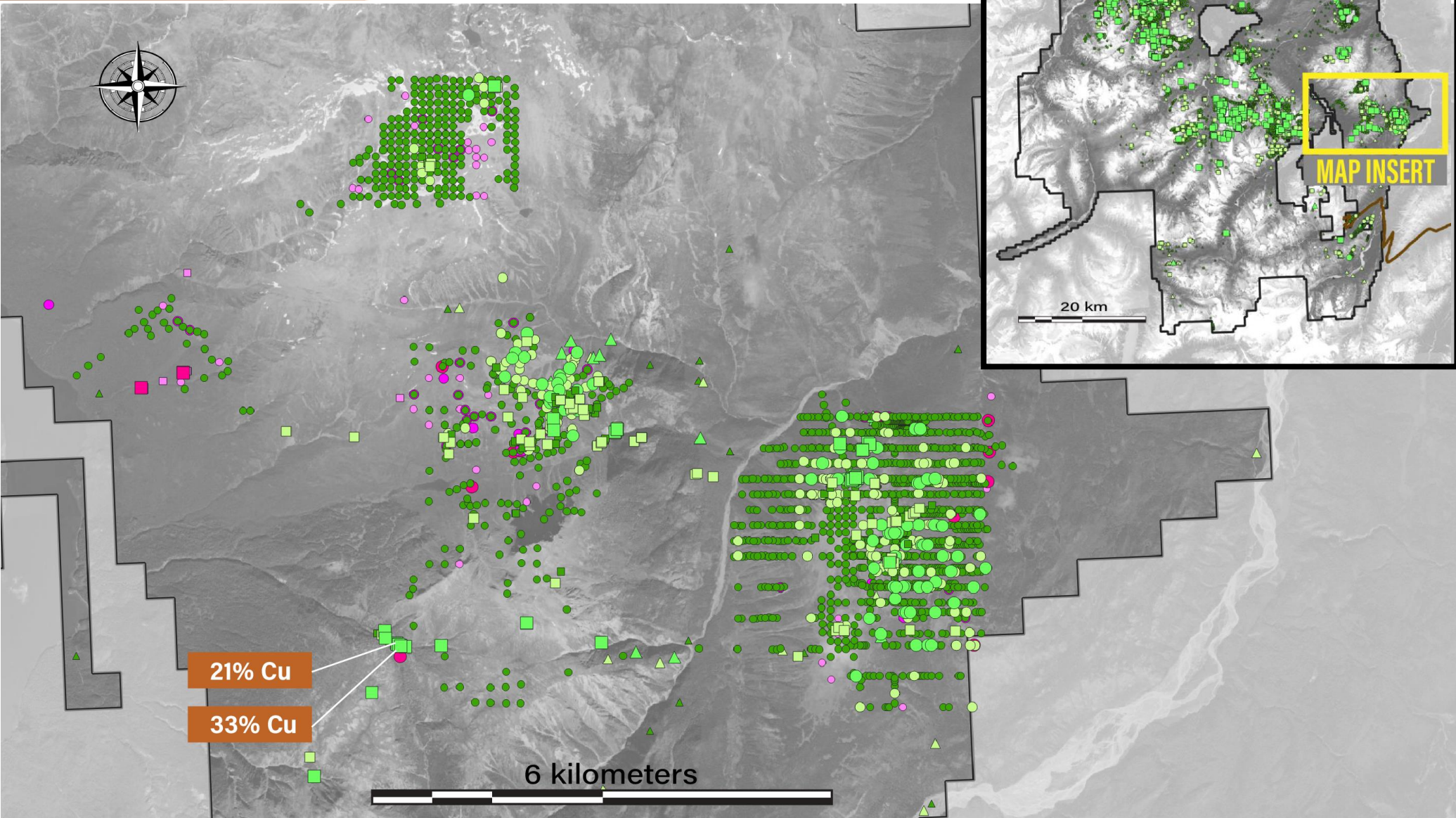
- Au (g/t)
- > 10.0
  - 2.0 to 10.0
  - 0.5 to 2.0

## Soil Samples

- Au (ppb)
- > 500
  - 100 to 500
  - 30 to 100

## Silt Samples

- Au (ppb)
- > 100
  - 50 to 100
  - 10 to 50





# SOUTH 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

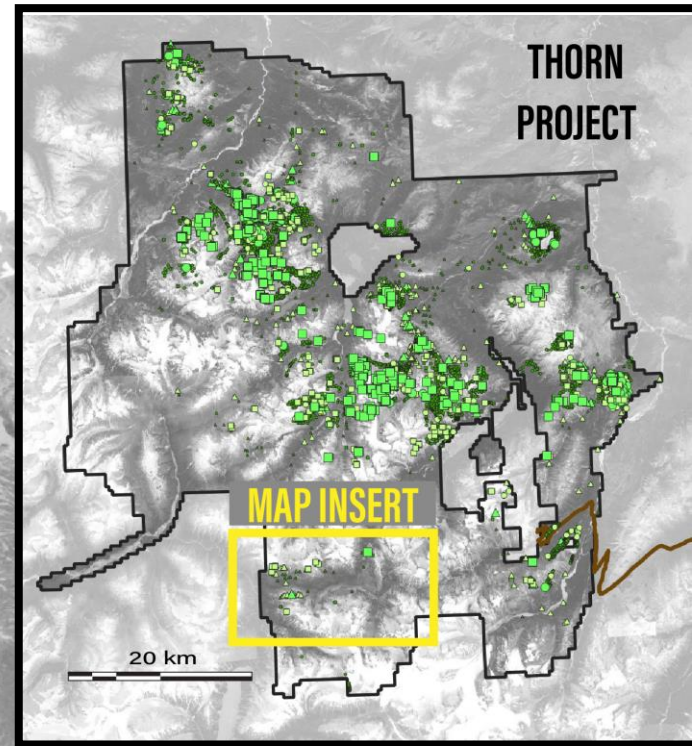
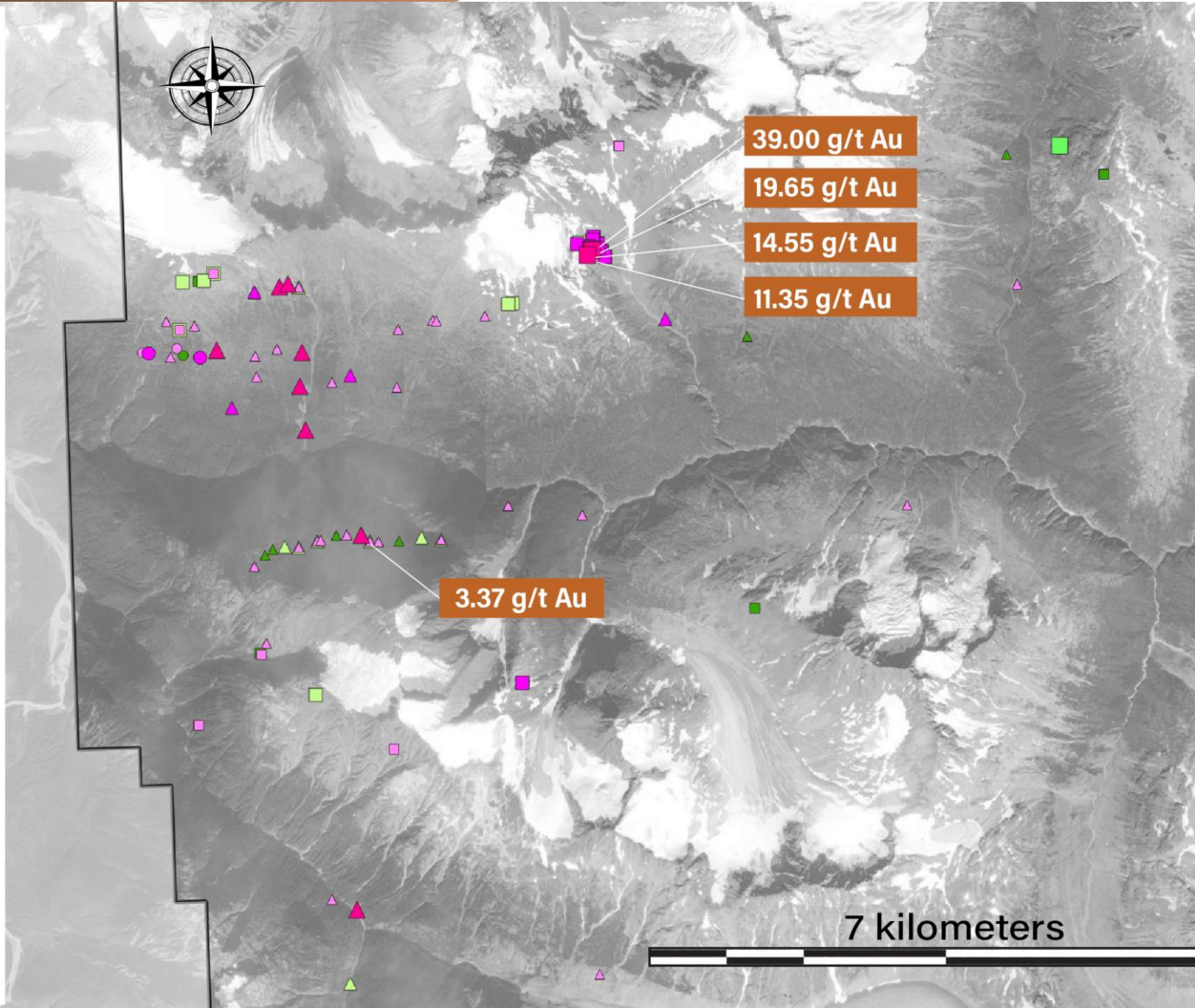
Au (ppb)

- > 500
- 100 to 500
- 30 to 100

## Silt Samples

Au (ppb)

- > 100
- 50 to 100
- 10 to 50



THORN  
PROJECT

MAP INSERT

20 km

7 kilometers



# 2023 THORN SEASON TO DATE

- 16,725 meters drilled and 32 holes collared
- Camp Creek: 10,100m
- Trapper: 6,625m
- Downhole XRF data collected for all Camp Creek drill holes
- Oriented core data collected for all drill holes
- 21 Samples collected for either Re-Os, Pb-Pb or U-Pb age dating
- 1,267 rock samples collected
- 1,696 soil samples collected
- 61 talus fine samples collected
- Reconnaissance prospecting and soil sampling completed at new target areas
- Highlights include 20 grab samples greater than 5% Cu at West Target, a 52.5g/t Au grab at the Metla Target and visible gold observed at South Target with assays up to 39 g/t Au





# COMMUNITY ENGAGEMENT

**67% 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 and Education Fund to ATELP**





# THORN SUMMARY

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

- 2,880 km<sup>2</sup> mineral tenure
- Significant consolidation of claims by Brixton over the last few years, including the addition of the Metla, Trapper & IMGGM claims
- 100% Brixton owned with low to no NSR's
- Largely unexplored 80 km geochemical megatrend

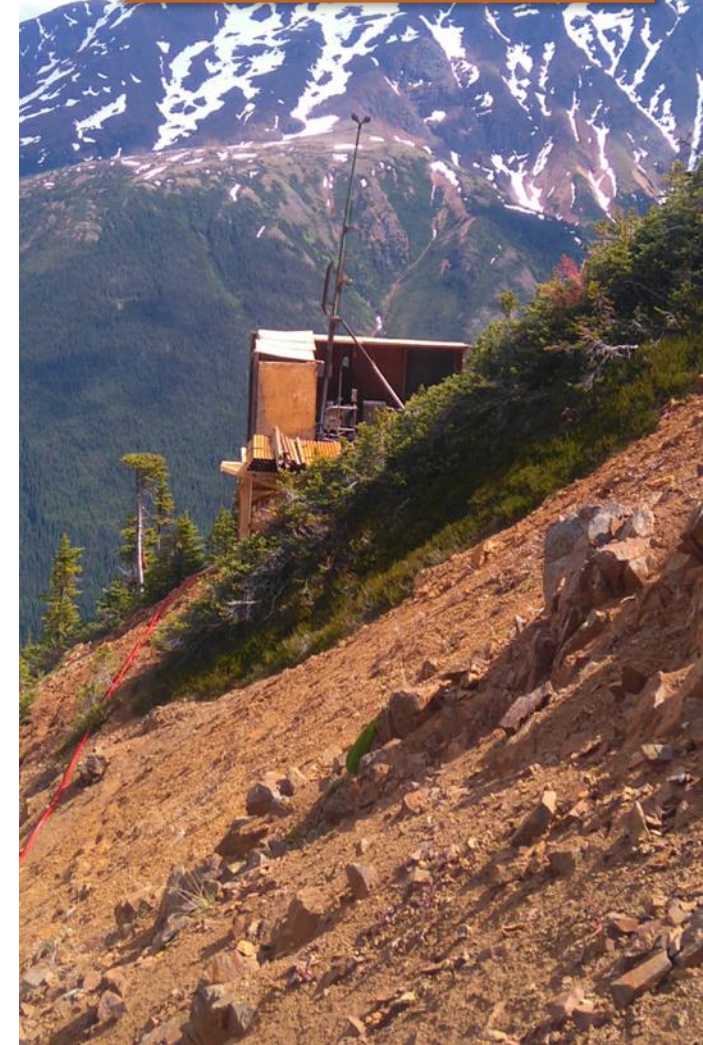
## PORPHYRY MINERALIZATION

- 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



TAKU RIVER TLINGIT  
First Nation



**TĀLTĀN**

TAHLTAN CENTRAL  
GOVERNMENT

**ROGUE**  
GEOSCIENCE



**INDEX**



**KAZUNA**  
CONSULTING



**MDRU**  
MINERAL DEPOSIT RESEARCH UNIT



GeoAqua Consultants

Riedell Exploration Ltd.





# APPENDIX: SUPPLEMENTAL DATA

## CAMP CREEK SELECT DRILL DATA

Hole ID	From (m)	To (m)	Interval (m)	Cu (%)	Au (g/t)	Ag (g/t)	Mo (ppm)	CuEq (%)*
THN19-150	97.00	651.70	554.70	0.24	0.57	43.18		0.97
THN19-162	323.00	553.82	230.82	0.16	0.08	1.9	110	0.29
THN20-180	349.00	576.79	227.79	0.07	0.05	0.96	50	0.14
THN20-182	387.00	861.00	474.00	0.11	0.05	0.93	73	0.19
THN21-181A	436.00	1074.07	638.07	0.18	0.07	2.28	126	0.31
THN21-183	360.00	1336.52	976.52	0.22	0.07	2.06	154	0.36
THN21-184	377.00	1198.25	821.25	0.24	0.28	2.44	174	0.54
THN22-201	335.00	1302.71	967.71	0.25	0.09	2.39	186	0.43
THN22-213	534.00	1243.00	709.00	0.24	0.06	2.42	141	0.37
THN22-221	595.50	1375.15	779.65	0.23	0.05	2.46	235	0.41
THN22-231	519.50	1297.58	778.08	0.20	0.05	2.03	146	0.33
THN23-261	87.65	1650.00	1562.35	0.19	0.05	2.81	180	0.34

Copper Equivalent (CuEq) is calculated based on US\$ 3.82/lb Cu, US\$ 1863.32/oz Au, US\$ 22.59/oz Ag, \$US 23.19/lb Mo. These prices represent the approximate 1 year moving averages of metal prices and calculations assume 95% recovery.

The formula is:  $\text{CuEq \%} = (\text{Cu \%} + (0.711384 * \text{Au g/t}) + (0.008624 * \text{Ag g/t}) + (0.000607 * \text{Mo ppm})) * 0.95$

