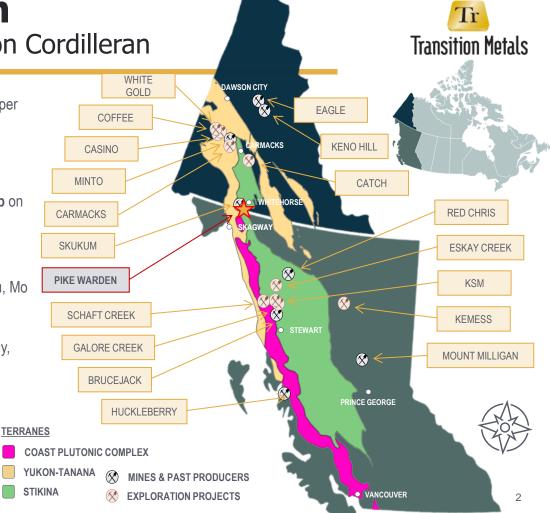


Pike Warden Location Underexplored Section of BC-Yukon Cordilleran

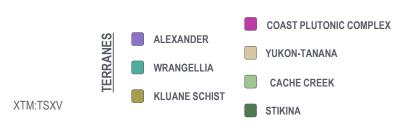
- New polymetallic epithermal precious metal and porphyry copper discovery in Yukon, Pike Warden is located near the Yukon-BC border
- Northwest of BC's Golden Triangle, in an under-explored gap on the margin of the Cordilleran Intermontane Belt, which hosts numerous deposits including:
 - Galore Creek, Shaft Creek, Red Chris Porphyry Cu, Au, Mo
 - Eskay Creek, KSM, Brucejack **Epitherma**l Au, Ag
- Southeast of the Dawson Range, along trend in similar geology, which hosts numerous deposits including:
 - Casino, Minto, Carmacks, Catch Porphyry Cu, Au
 - Coffee, White Gold, Skukum Epithermal Au, Ag

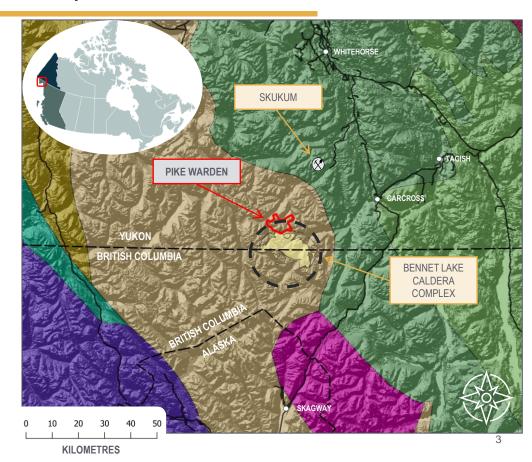


Pike Warden Story New Polymetallic System - Giant Collapsed Caldera



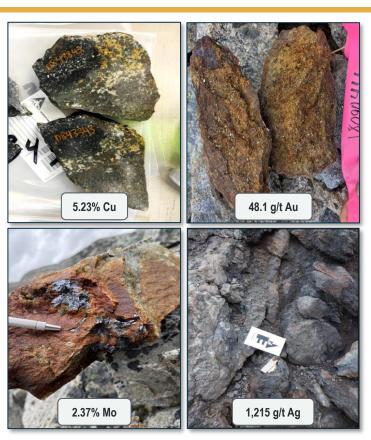
- On the northern margin of the Eocene Bennett Lake Caldera,
 one of the largest collapsed caldera structures in Canada
- Favourable geodynamic environment for hosting large scale polymetallic epithermal Au-Ag and porphyry Cu-Mo systems
- Close to Whitehorse, with road infrastructure to deep-sea port in Skagway, Alaska,
- Within the traditional territory of Carcross/Tagish First Nation
- Transition Metals recently confirmed the presence of both high sulphidation epithermal Ag-Au and porphyry Cu-Mo systems

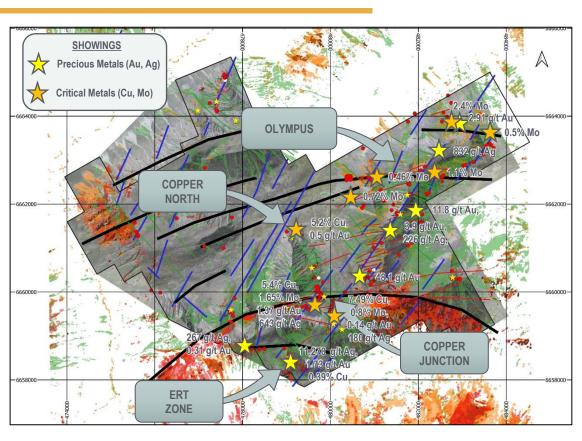




Multiple New Zones
High Grade Gold, Silver, Copper and Moly Mineralization







Robust Data Sets

Now Helping to Highlight Patterns at System Scale

Transition Metals

- Rocks & soils highlight elevated trends in Au, Ag, Cu and Mo through over 1,800 data points
- >25 polymetallic showings, returning values up to:

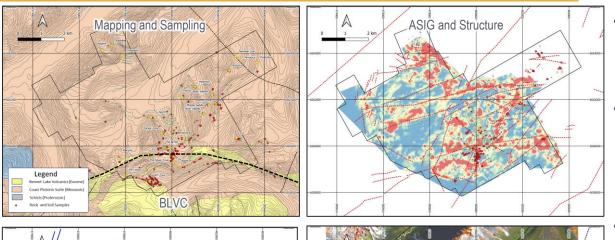
48.1 g/t Au,

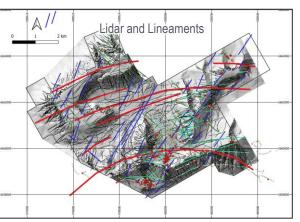
11,270 g/t Ag,

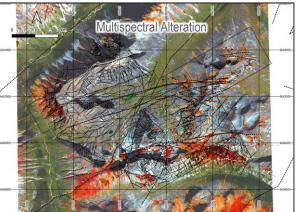
7.49% Cu,

2.37% Mo

- High density LiDAR = high quality DEM
- Lineaments from LiDAR, orthophotos, and geophysics







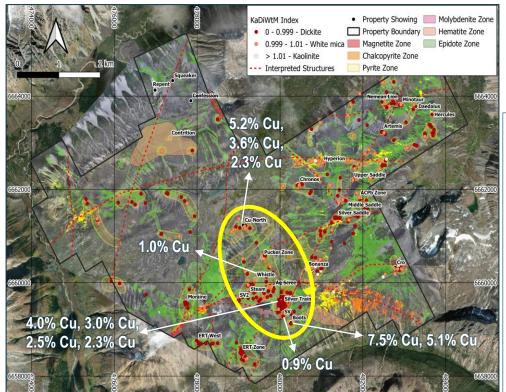
- High resolution magnetics, VLF and radiometric data plus >600 line-km of ZTEM
- Alteration mapping utilizing Al-deep learning of Worldview 3 multispectral band data
- Highlights geology, structural relationships, and alteration patterns
- Trends of argillic alteration associated with higher Au-Ag
- Petrography highlights phyllic and potassic alteration associated with Cu-Mo

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Spectral Mineralogy Results

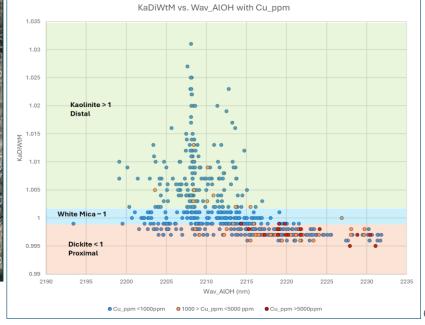


Geochem, Petrography and SWIR Highlight Exciting Porphyry Potential Transition Metals



Top Cu assays within Copper Junction/Cu North areas XTM:TSXV

- 810 pulps were analyzed using spectroscopy and aiSIRIS™.
- Histogram shows how strong Cu mineralization (>0.5% Cu) falls into the dickite field of the Kaolinite-Dickite-White Mica index, indicating hotter temperatures for mineralization and a proximal setting to possible porphyry centre(s) at Cu North/Copper Junction.



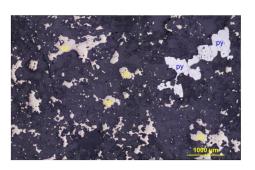
Detailed Petrography Results

More Evidence of Prospective Alteration and Mineralization



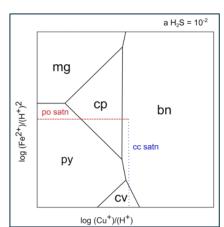


5.23% Cu in this pyrite-chalcopyriteepidote-sericite-altered quartz diorite from Cu North.



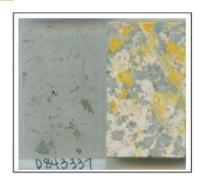
Key takeaways:

- Evidence for high temperature, prospective alteration within this (grano)dioritic system.
- Also have evidence for lower temperature, epithermal style mineralization.
- Chlorite±epidote±titanite strongly altered the magmatic biotite and hornblende, and sericite/clays altered the plagioclase.
- Chalcopyrite and epidote were coeval in the mineralized samples.
- Destabilization of magnetite through hydrothermal alteration generated favourable conditions for the precipitation of chalcopyrite.

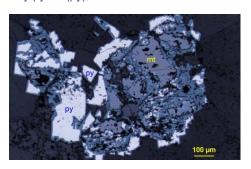




This stability relations diagram from Beane (1994) points to an ideal condition for the precipitation of chalcopyrite along the stability fields of magnetite and pyrite.



Sample of Fe-chlorite-epidote-sericitealtered granodiorite with magnetite (mt), where some mt crystals are being replaced by pyrite (py); from northeast of Boots.

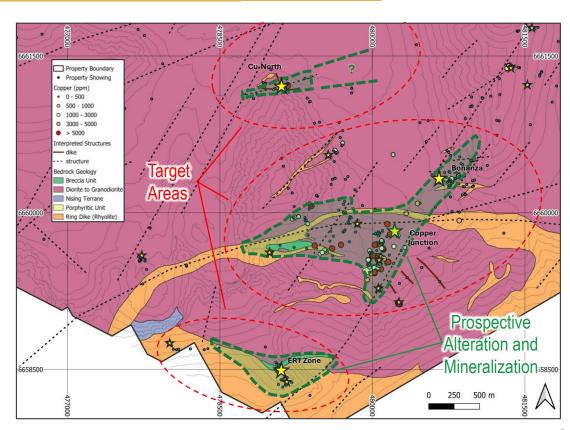


Improved Geological Mapping



Provides Insight Into Timing and Controls of Mineralization

- Fault structures, dykes and breccia bodies associated with Paleocene to late Eocene magmatic activity
- Cut through mid-late Cretaceous rocks of the Whitehorse and Ruby Range suite
- High temperature potassic alteration typically focused near fault intersection areas associated with Cu-Mo Mineralization
- Epithermal alteration outboard and at higher elevation associated with Au/Ag/Pb/Zn
- Altered and mineralized dacitic porphyry dikes identified at Copper Junction



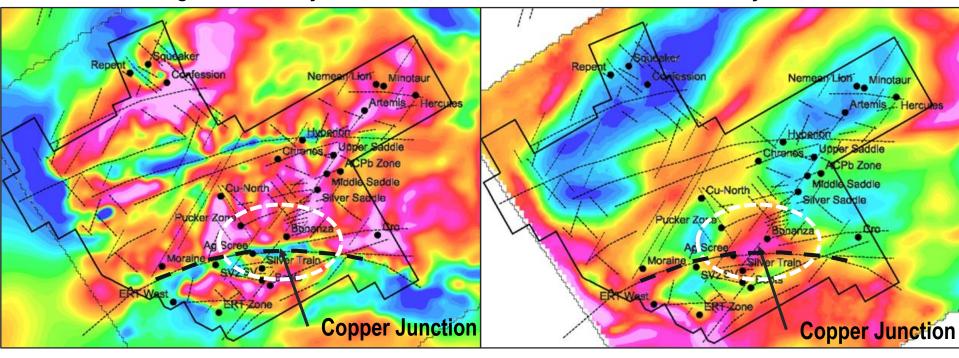
2024 ZTEM Survey Results

Highlight Large System Trends & Refined Targets



Total Magnetic Intensity Model

3D Conductivity Model



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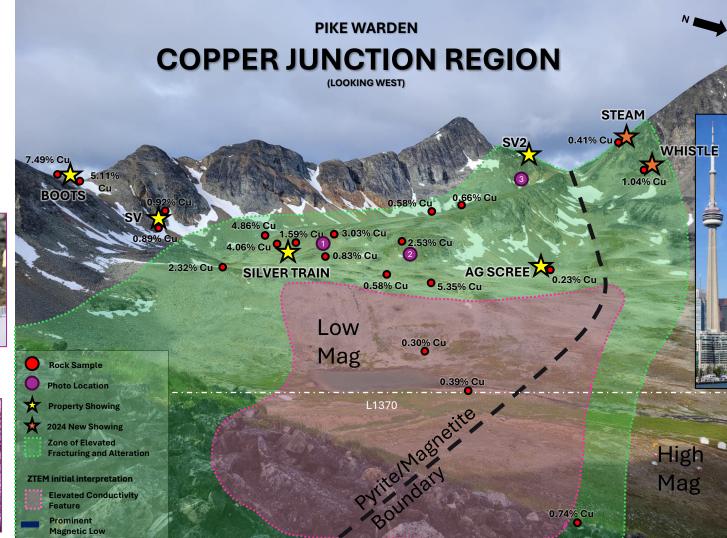


Open space epithermal style vein breccia



Volcanoclastic polymictic milled breccia





Compelling Evidence

For Multiple/Stacked Systems

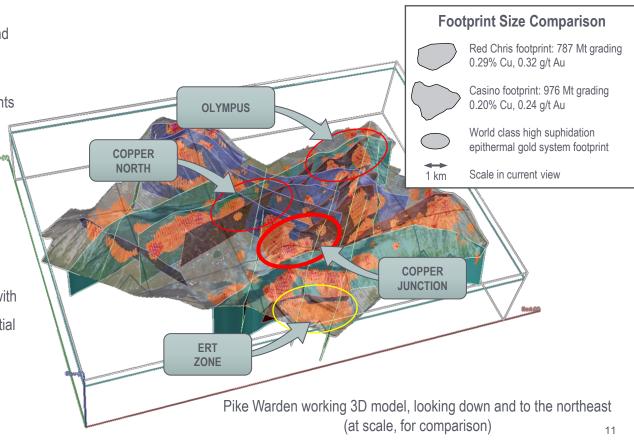


 Widespread occurrence of high-grade Au-Ag and Cu-Mo mineralization

 Rock sample trace element geochemistry highlights both epithermal and porphyry style alteration signatures

 Petrography supports late epithermal alteration overprint of an earlier (hotter) Cu-Mo enriched porphyry style alteration

 Confirmation of potassic alteration associated with high grade Cu-Mo mineralization, supports potential subcropping/near surface porphyry system



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Next StepsSummer 2025 Field Season



Geophysics

Ground IP Surveys at Copper Junction and Copper North

Mapping and Sampling

- Follow up trends of prospective alteration highlighted by multispectral, geophysical, geochemical work
- Acquire additional samples within highlight targe areas to further characterize fracture and vein density, petrography and to compliment/expand our SWIR data sets
- Work towards developing drillable targets at Copper North and Olympus
- Apply new understanding to look for other prospective mineralized centers peripheral to the Bennett Lake Caldera complex

Drilling

 2,000 metres to drill test targets defined at Copper Junction, Copper North and ERT



Photo: Subterra Drilling setting up for RAB drilling at ERT Zone, October 2022



Mitigating Risk. Multiplying Opportunities.

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