



# **METALLIS**

RESOURCES INC.

TSX-V: **MTS**  
OTCQB: **MTLFF**  
FSE: **OCVM**

JULY 2021



# CAUTIONARY STATEMENT



Certain statements herein may contain forward-looking information within the meaning of applicable securities laws. Forward-looking information appears in a number of places and can be identified by the use of words such as “intends” or variations of such words and phrases or statements that certain actions, events or results “may”, “could”, “would”, “might” or “will” be taken, occur or be achieved. Forward-looking information includes statements regarding the Company’s exploration and development plans with respect to its properties and the estimate of mineral resources and are subject to such forward-looking risks, uncertainties and other factors which may cause the Company’s actual results, performance or achievements, or industry results, to be materially different from any future results, performance or achievements expressed or implied by such forward-looking information. Such risks include but are not limited to metal price volatility, change in equity markets, the uncertainties involved in interpreting geological data, permitting and environmental, increase in costs, exchange rate fluctuations and other risks involved in the exploration and development industry. There can be no assurance that forward-looking information referenced herein will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements or information. Also, many of the factors are beyond the control of Metallis Resources Inc. Accordingly, readers should not place undue reliance on forward-looking information. All forward-looking information here in are qualified by this cautionary statement. The Company does not undertake to update such forward-looking information except in accordance with applicable securities laws.

Technical aspects on this presentation have been reviewed and approved by the Company’s Vice-President of Exploration, David Dupre P.GEO designated as a Qualified Person under National Instrument 43-101.

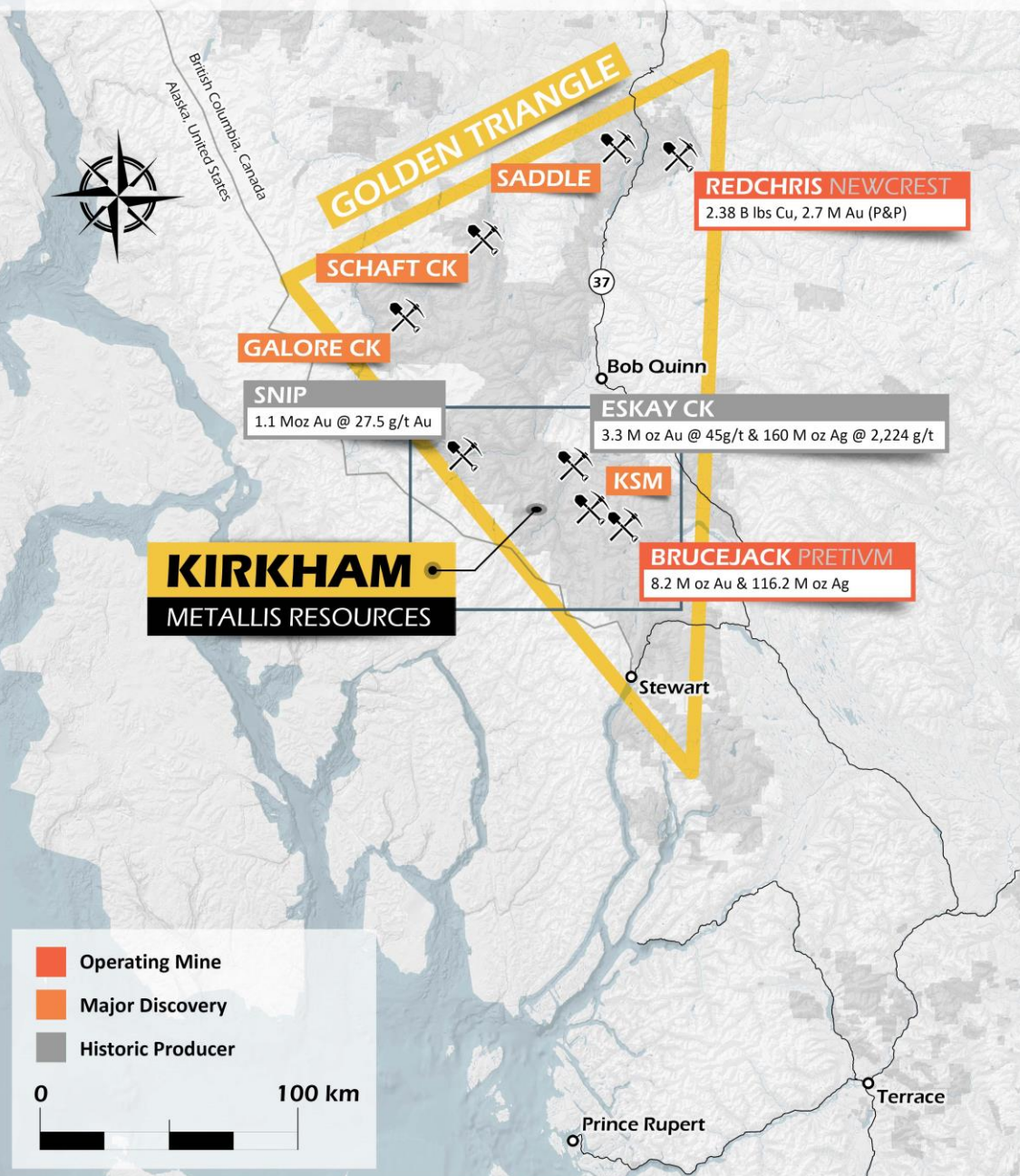
# WHERE & WHY



- Northwestern BC, Canada. (~1hr 30min flight from Metallis' headquarters in Vancouver)
- Remote location has meant until recently area is underexplored compared to other gold districts around the globe
- Elephant Country – even with a lack of exploration activity until recent times a significant number of world class discoveries have been made in the area
- Mining friendly jurisdiction – once discoveries are made there is a history of projects getting developed into production
- Receding glaciers are creating new exploration opportunities



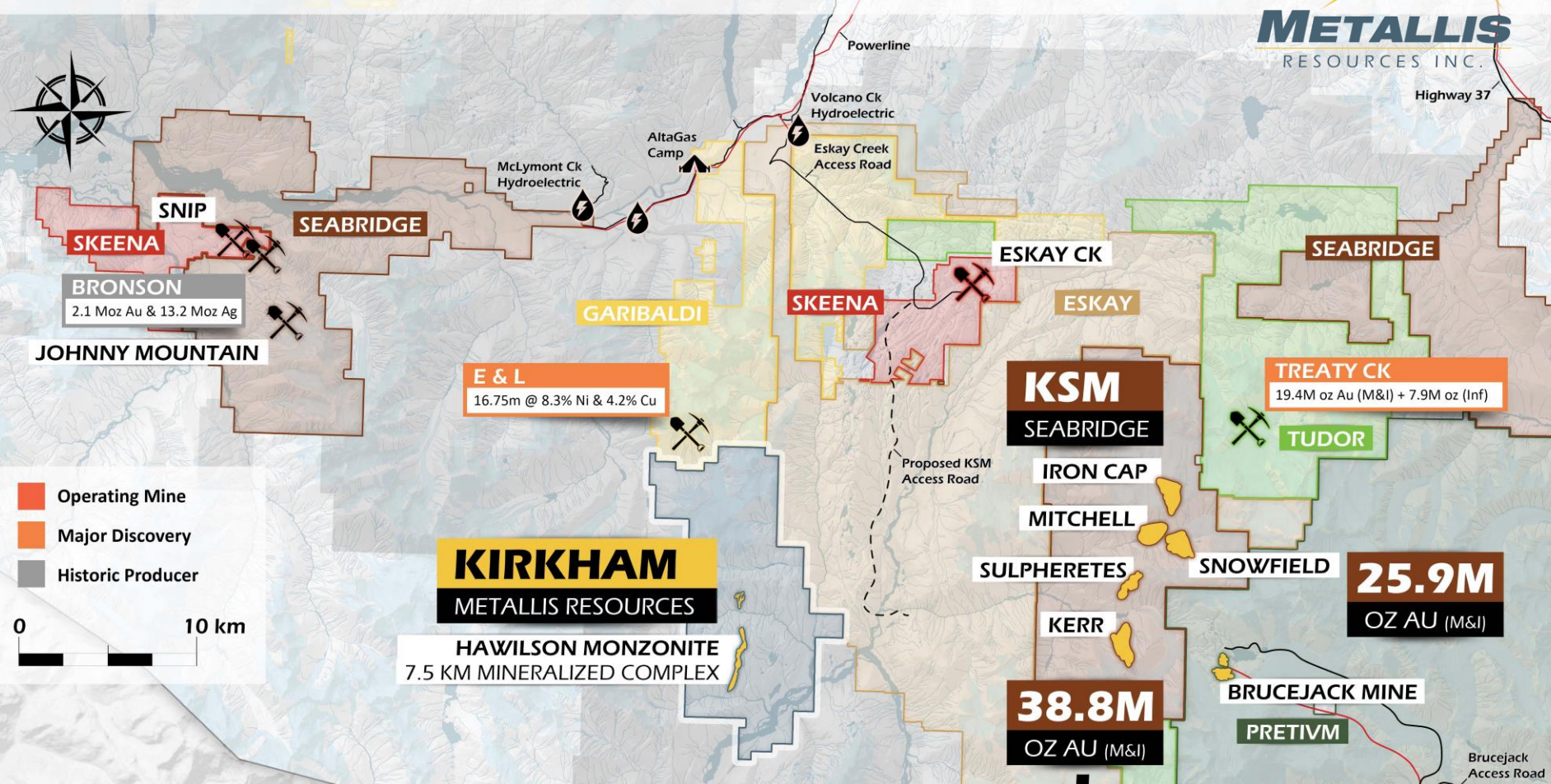
# THE METALLIS OPPORTUNITY



- Highly experienced exploration team with past involvement in major discoveries in the Golden Triangle and around the globe
- Fiscally responsible management - After 8 years of operation only **52 million shares are Issued & Outstanding**, with no roll-backs
- **~9%** management ownership, without a single share being sold in 8 years (options included)
- Working capital of **~\$5 Million**, well financed for 2021
- **100% ownership** of key asset including fully purchasable NSR on property's main target (Cliff Porphyry Corridor)



# KIRKHAM INFRASTRUCTURE INVESTMENT



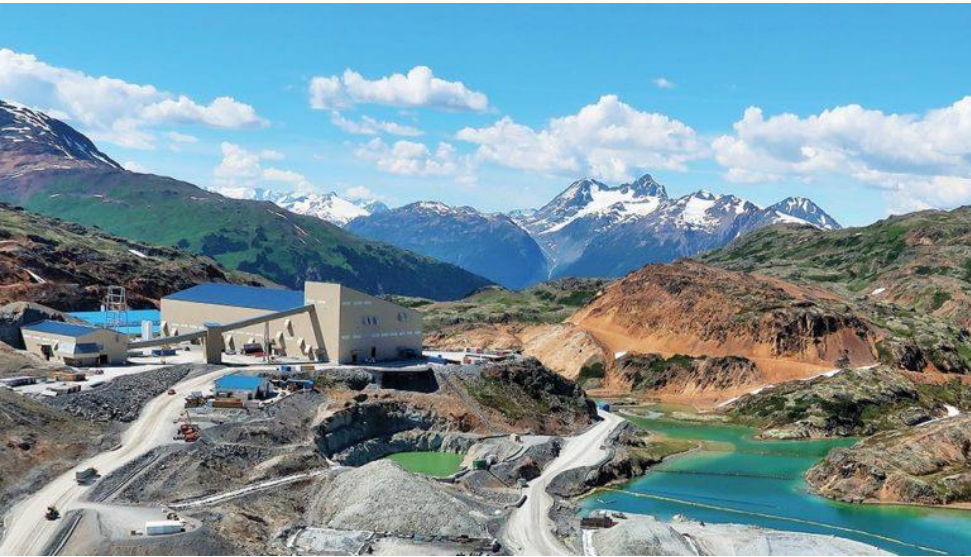
**INFRASTRUCTURE IMPROVEMENTS = REDUCED EXPLORATION COSTS**

- \$4.5 Billion in recent development
- Hydroelectric power plants
- 287 Kilovolt transmission line
- Paved 2 lane highway
- All-weather access roads & airstrips

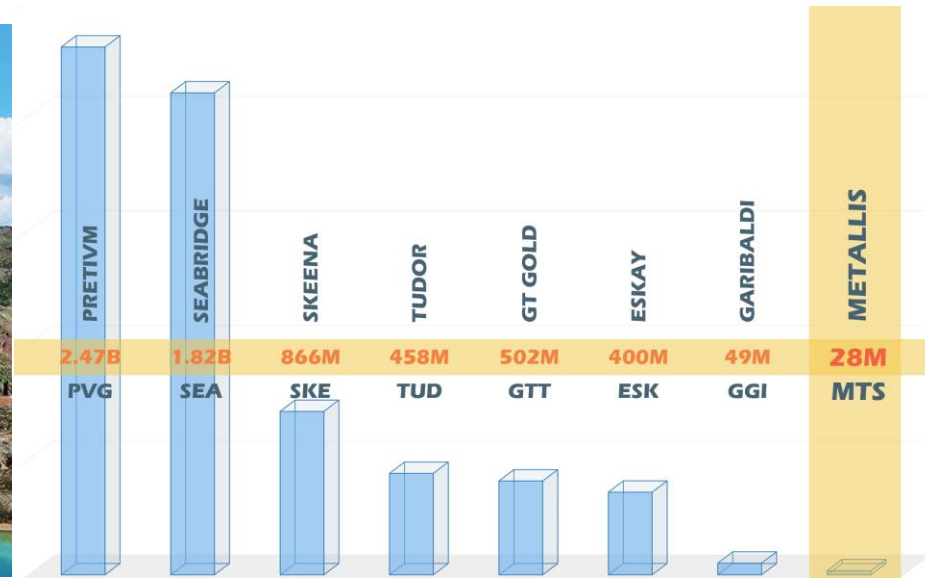
Note: KSM is shown with outline of the deposit dimensions and Hawilson Monzonite is shown by the mineralized surface outline



# BC'S GOLDEN TRIANGLE: IN THE COMPANY OF GIANTS



Brucejack mine Credit: Pretium



**MARKET CAP COMP CHART**

## RECENT REGIONAL ACQUISITIONS

- GT Gold / Newmont – Feb 2021 ~CAD\$400 Million
- Red Chris / Newcrest – August 2019 ~CAD\$1 Billion (70% ownership)
- Snowfields / Seabridge – December 2020  
~CAD\$116 Million

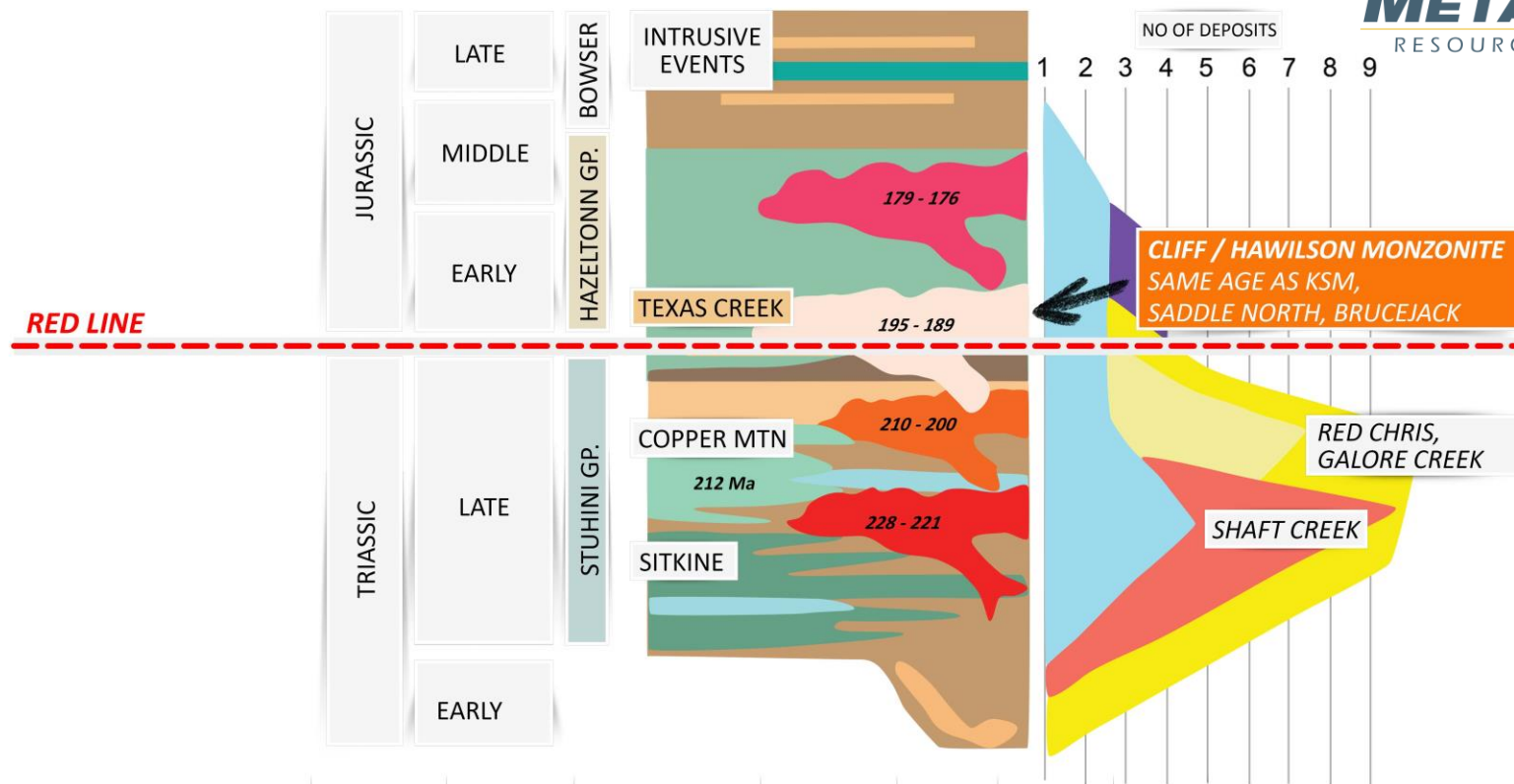
## REGIONAL ENDOWMENT

- **219** million ounces of Gold
- **87.7** billion pounds of Copper
- **1,342** million ounces of Silver





# THE GOLDEN TRIANGLE X-FACTOR – THE RED LINE



Deposits	Type	Metals	Intrusive Suite	Age (Ma)	Cu (%)	Contained Cu (Mt)	Contained Au (g/t)	Contained Au (Mt)
Shaft Creek	Calc-Alkalic	Cu-Mo-Au	Stikine	222	0.27	3.14	0.18	209.7
Galore Creek	Alkalic	Cu-Au	Copper Mountain	210-208	0.52	4.08	0.29	227.8
Copper Canyon	Calc-Alkalic	Cu-Au	Texas Creek	205	0.31	0.47	0.52	79
Red Chris	Alkalic	Cu-Au	Copper Mountain	204	0.37	3.5	0.38	360.4
Kerr	Calc-Alkalic	Cu-Au	Texas Creek	197-195	0.43	1.17	0.22	56.7
Deep Kerr	Calc-Alkalic	Cu-Au	Texas Creek	197-195?	0.41	7.85	0.3	540.1
Sulphurets	Calc-Alkalic	Cu-Au	Texas Creek	196-191	0.21	0.78	0.59	218.8
Iron Cap	Calc-Alkalic	Cu-Au	Texas Creek		0.21	0.76	0.44	159.15
Mitchell	Calc-Alkalic	Cu-Au	Texas Creek	196-189	0.17	3.02	0.6	108.4
Cliff Porphyry	Calc-Alkalic	Cu-Au	Texas Creek	191-189				
Cole Porphyry	Calc-Alkalic	Cu-Au	Texas Creek					



# KIRKHAM PROPERTY

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GARIBALDI

E & L

RED LINE

**KIRKHAM**  
METALLIS RESOURCES

HAWILSON MONZONITE  
7.5 KM MINERALIZED COMPLEX

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ESKAY CK

SKEENA

**ESKAY RIFT**

Western Anticline

Eskay Anticline

JEFF

TV

Proposed KSM  
Access Road

Eastern Anticline

ESKAY RIFT

ESKAY

**KSM**  
SEABRIDGE

IRON CAP

MITCHELL

SNOWFIELD

SULPHERETES

KERR

BRUCEJACK MINE

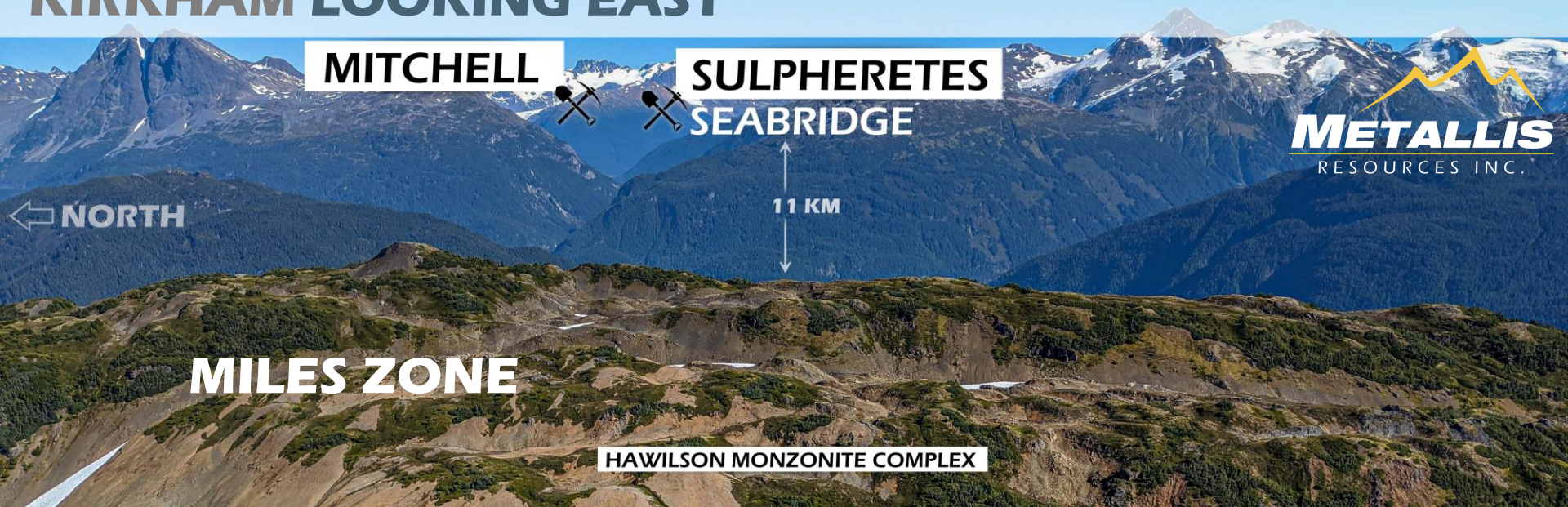
TUDOR

PRETIVM

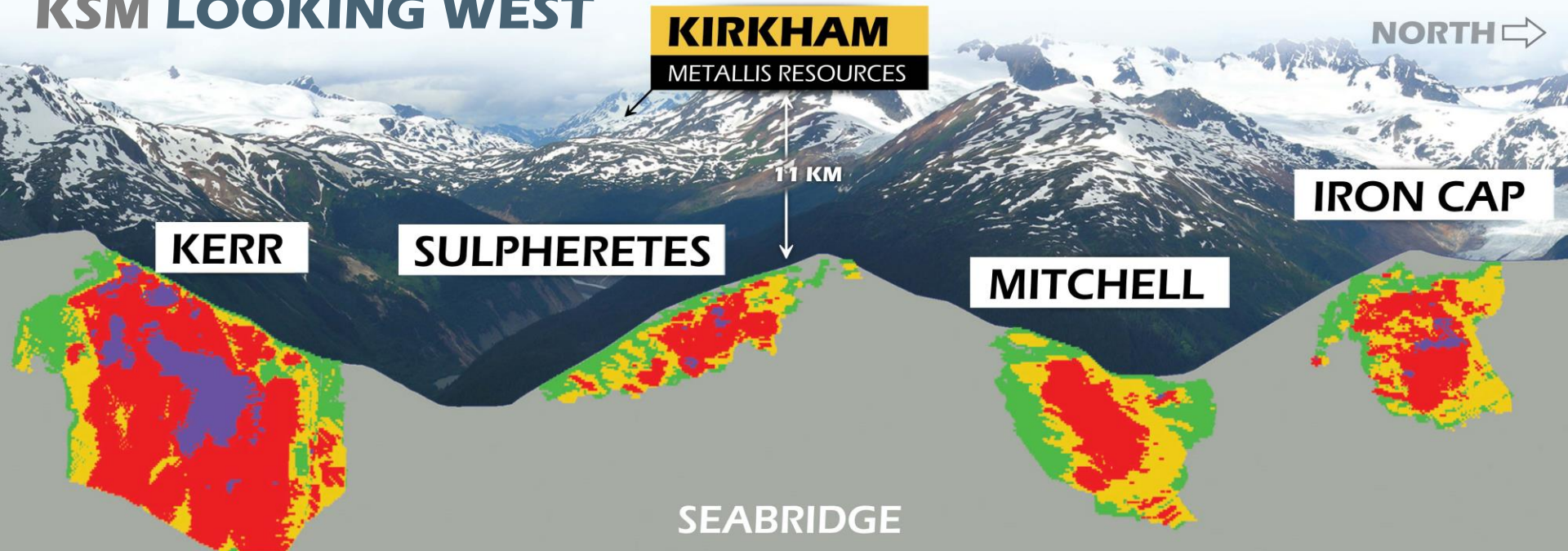
- Red Line is a significant geological marker in the area
- 10 kms of the Red Line is found on the Kirkham
- Types of deposit in the area: VMS/Nickel/Porphyry
- Kirkham has exploration potential for Copper, Gold and Nickel



# KIRKHAM LOOKING EAST



# KSM LOOKING WEST





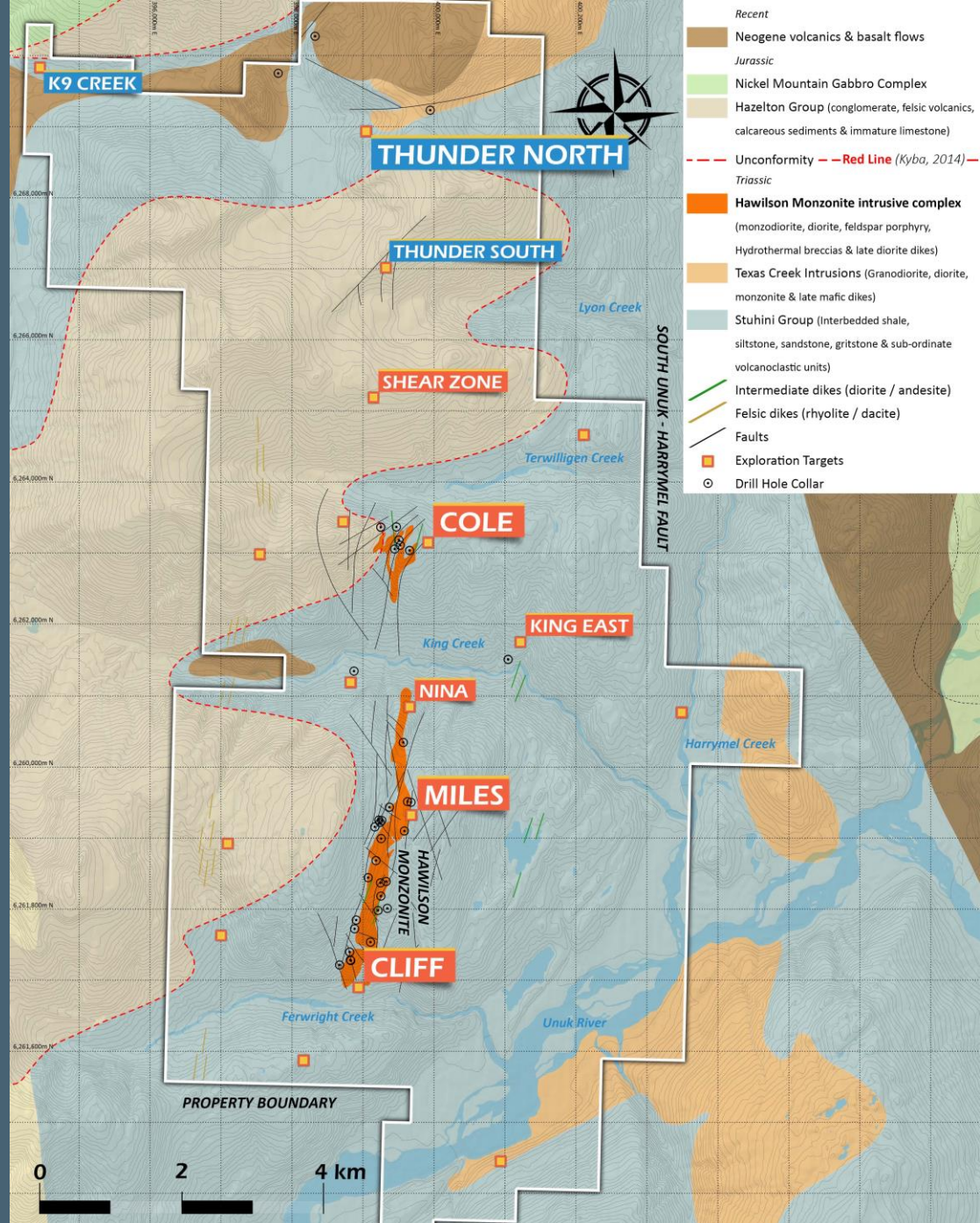


- 106 km<sup>2</sup> land package assembled by renowned copper-gold expert Dr. Rodney Kirkham
- Highly fertile region with a rich and diverse metallogeny along the Triassic-Jurassic “Red-line”
- 7.5km long Hawilson Monzonite Porphyry Complex associated with Texas Creek suite rocks
- Cliff Porphyry System; discovered in 2017 is now expanded to 400m x 4000m x 1,000m in dimensions



# GEOLOGY

- Prospective Eskay Rift Environment
- Mapped TR-J Unconformity (Red-line)
- 7.5 Kms Hawilson Monzonite
- Complex Porphyry Au-Cu Systems (Cliff, Cole)
- Porphyry / Shear-vein Gold Target (King East)
- Magmatic Ni-Cu Potential (Thunder North)
- Regional Targets





# CLIFF-MILES PORPHYRY CORRIDOR

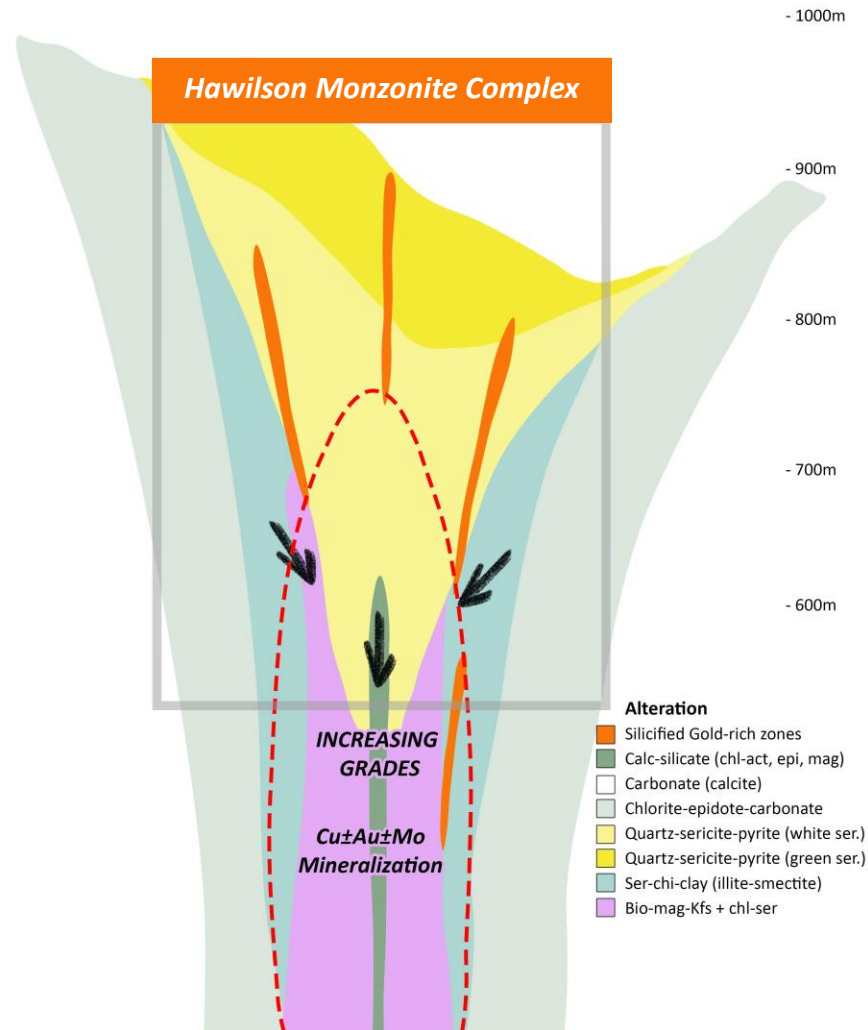
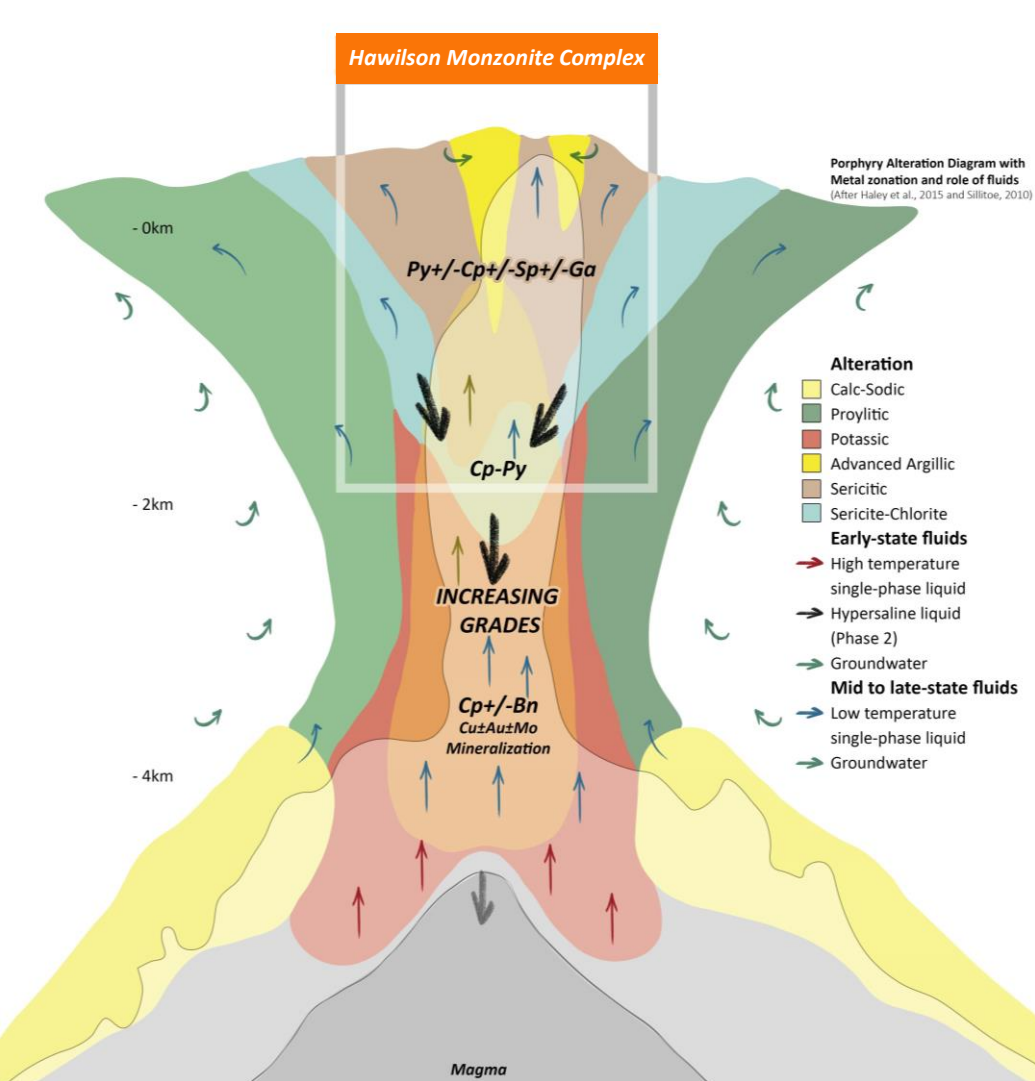


- Large porphyry Copper-Gold System with a strike-length of 4 km along the 7.5 km-long Hawilson Monzonite Complex
- Hosted in calcareous siliciclastic rocks located near the Triassic-Jurassic unconformity, the prospective "Red-line"
- Multiple Porphyry intrusions and Hydrothermal Breccias striking N15E and steeply ~80° dipping West
- Similar Geology & Mineralization compared to "KSM" - Kerr deposit with ~2 Moz. Gold and 2586 M lbs. copper. (*SEA PPT October 3, 2018*)

Photo: Looking North along Miles Zone Gossan

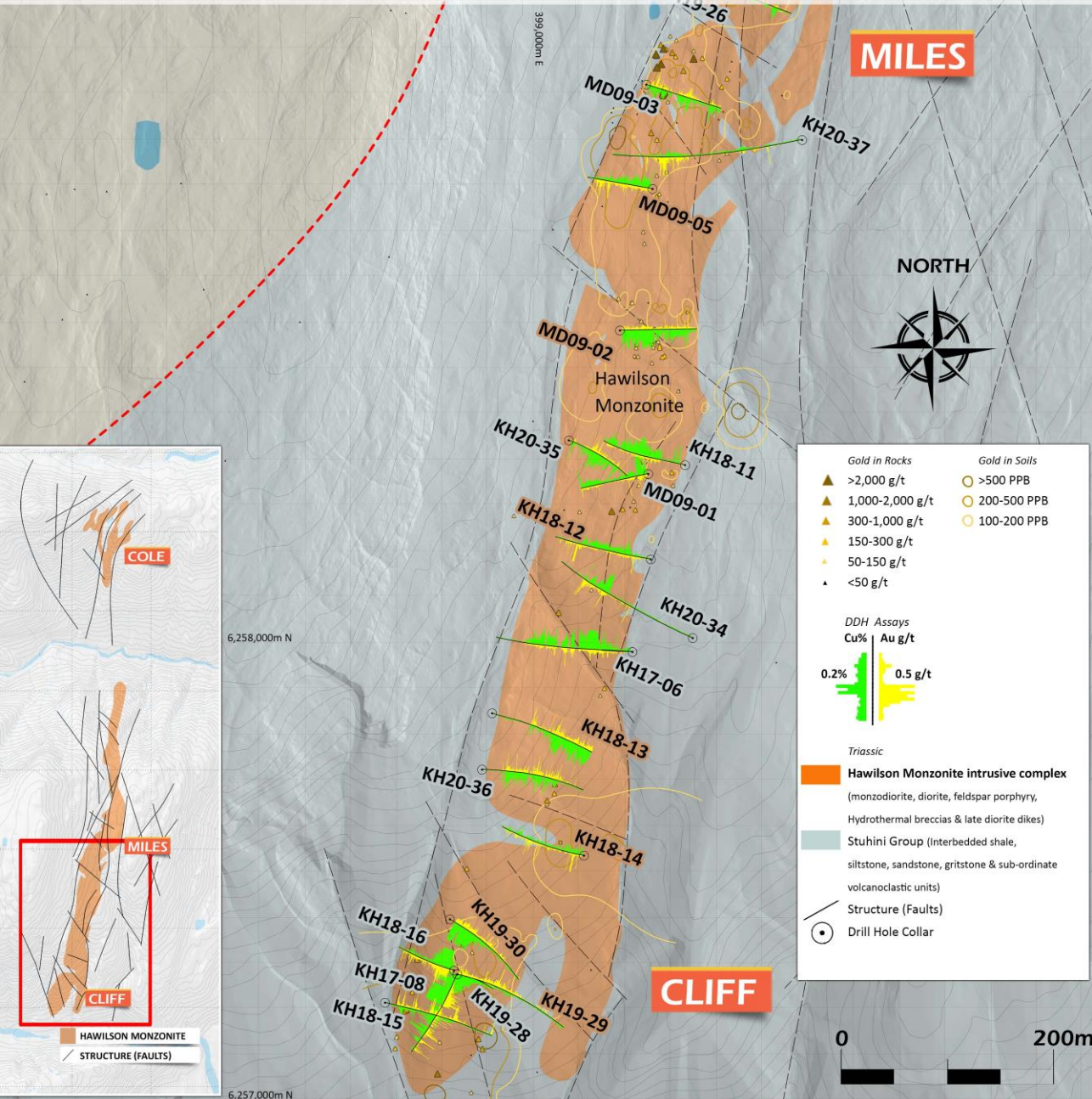


# CLIFF PORPHYRY MODEL





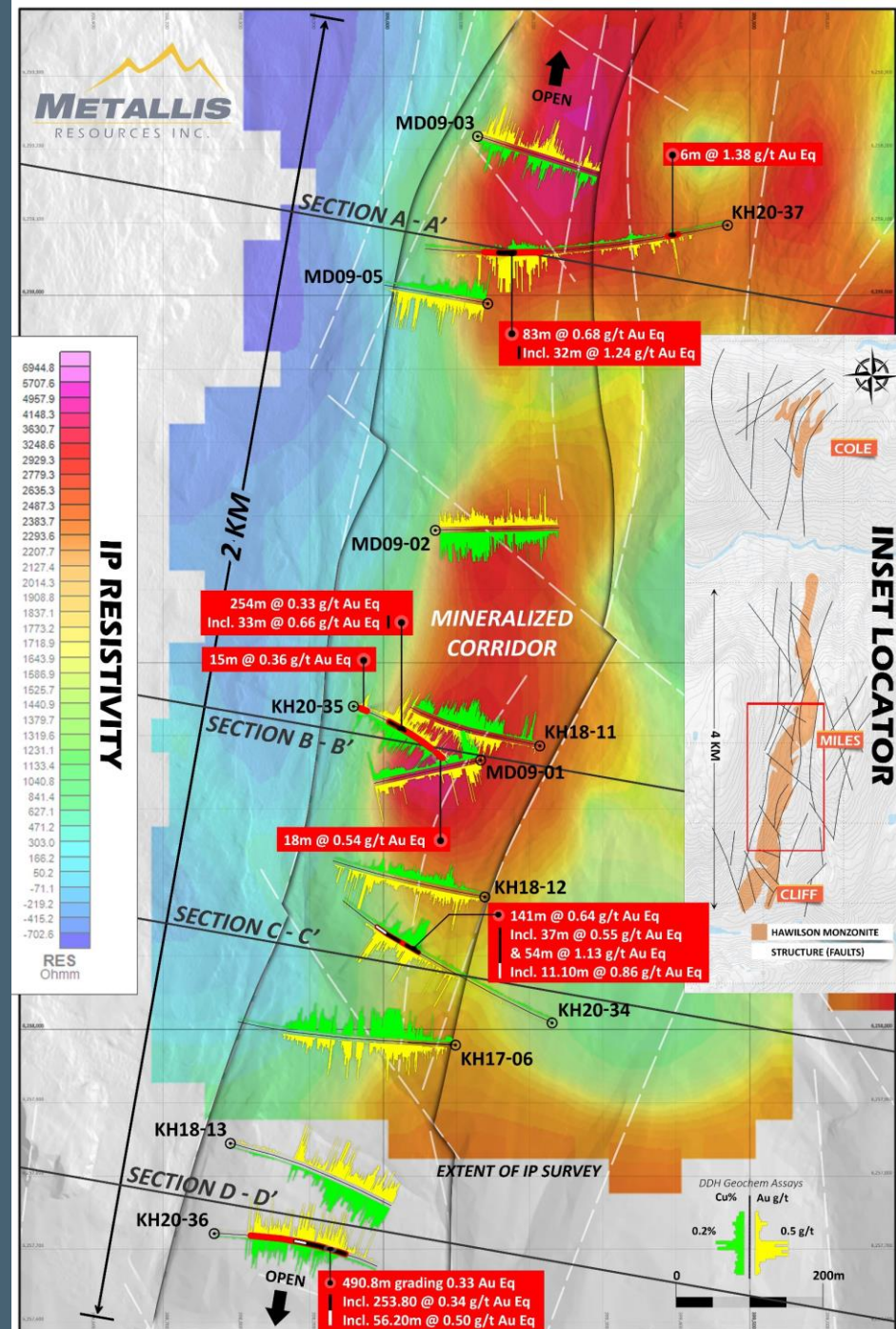
# CLIFF-MILES PORPHYRY SYSTEM



- 141m @ 0.64 g/t AuEq. in KH20-34 incl. 54m @ 1.13 g/t AuEq.
- 83m @ 0.68 g/t AuEq. in KH20-37 incl. 32m @ 1.24 g/t AuEq.
- 490m @ 0.33 g/t AuEq. in KH20-36 incl. 56m @ 0.50 g/t AuEq.
- 172m @ 0.64 g/t AuEq. in KH18-08 Potassic alteration
- 141m @ 0.70 g/t AuEq. in KH18-16 Potassic alteration
- 126m @ 0.50 g/t AuEq. in KH19-30 Potassic alteration

# 2KM MINERALIZED CORRIDOR

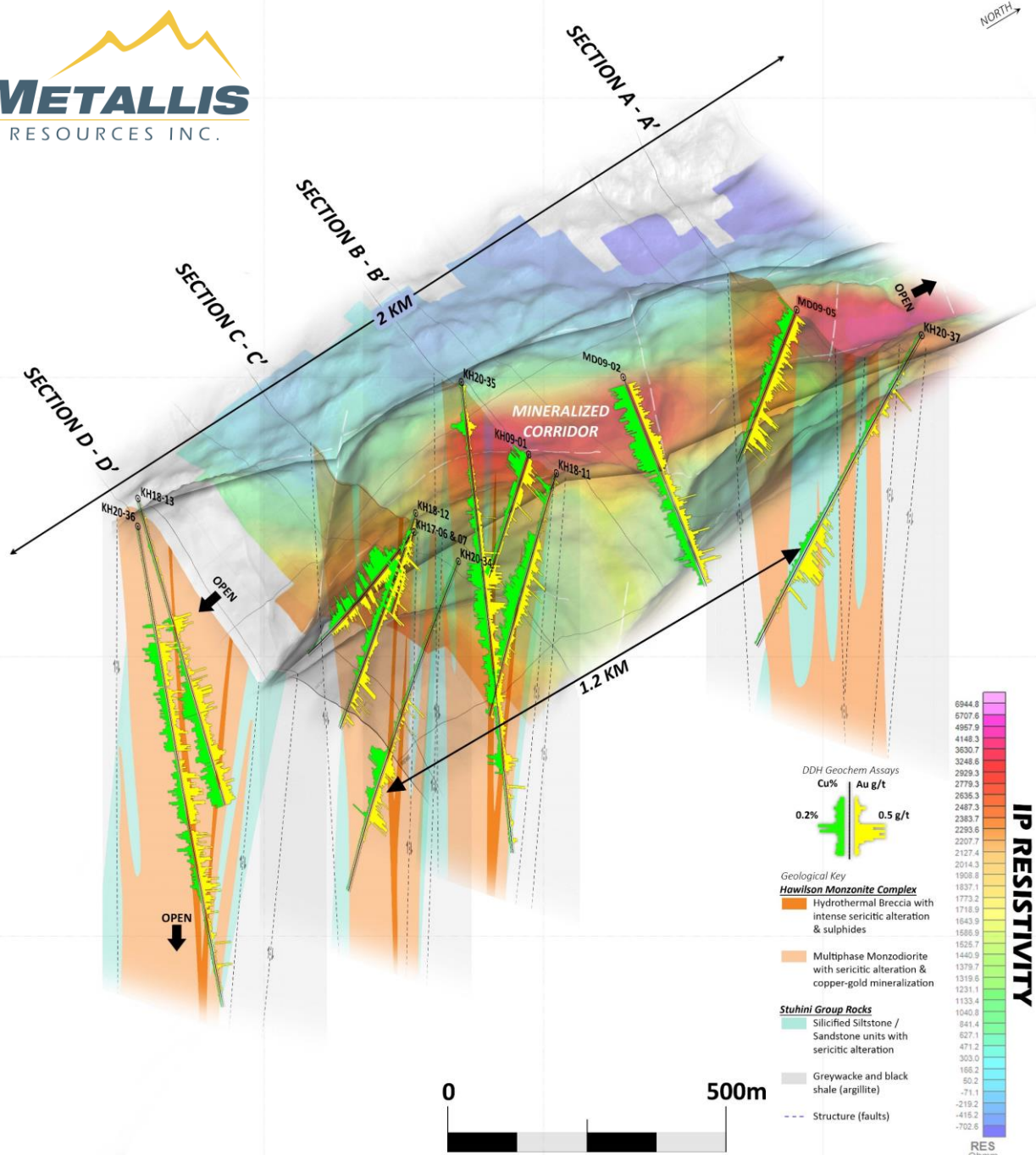
- Mineralized Corridor at Cliff/Miles is expanded to approximately 250m wide, 2,000m-long and 600-m deep
- IP Resistivity Anomalies overlap with gold-bearing hydrothermal silica flooding
- Extensive sericitic and remnant potassic alteration with increasing quartz stockwork and chalcopyrite at depth
- KH20-37 discovered a substantial gold zone with 83m of 0.68 g/t AuEq. incl. 32m of 1.24 g/t AuEq. to the north
- KH20-34 drilled 141m of 0.64 g/t AuEq. incl. 54m of 1.13 g/t AuEq. extending the gold zone to the south for total of 2km
- KH20-36 drilled 490.8m of 0.33 g/t AuEq. incl. 253m of 0.34 g/t AuEq. and a 56 m sub zone of 0.50 g/t AuEq. Providing a true test of the Cliff at higher elevation
- Mineralization is constrained within "M" Porphyry and calcareous siltstone/sandstone units and remain open in all directions
- Steeply west dipping "M" Porphyry and sediments highlight the untested western flanks of the Cliff
- Increasing copper-gold grades and remnant potassic zones indicated a transition to the deep core of Cliff Porphyry system





# 3D MODEL

- Tabular mineralized bodies extend for a N-S strike-length of 4 km at Cliff
- 3D model covers near surface gold zone measured as 250m-wide, 2,000m-long and 600m-deep
- A distance of 1.2 km between Holes 37 and Hole 34 with no other hole to the west
- Most drill holes are 100-200m apart, with significant vertical and lateral upside potential
- Gold-rich mineralization constrain along syn-mineral faults and breccias.
- 3D modeling indicate M-Porphyry (50%), C-Porphyry (30%) and HBX-Hydrothermal Breccia (10%)
- Remnant Potassic alteration with increasing "CPY" with depth > 500m





# SECTION A-A'

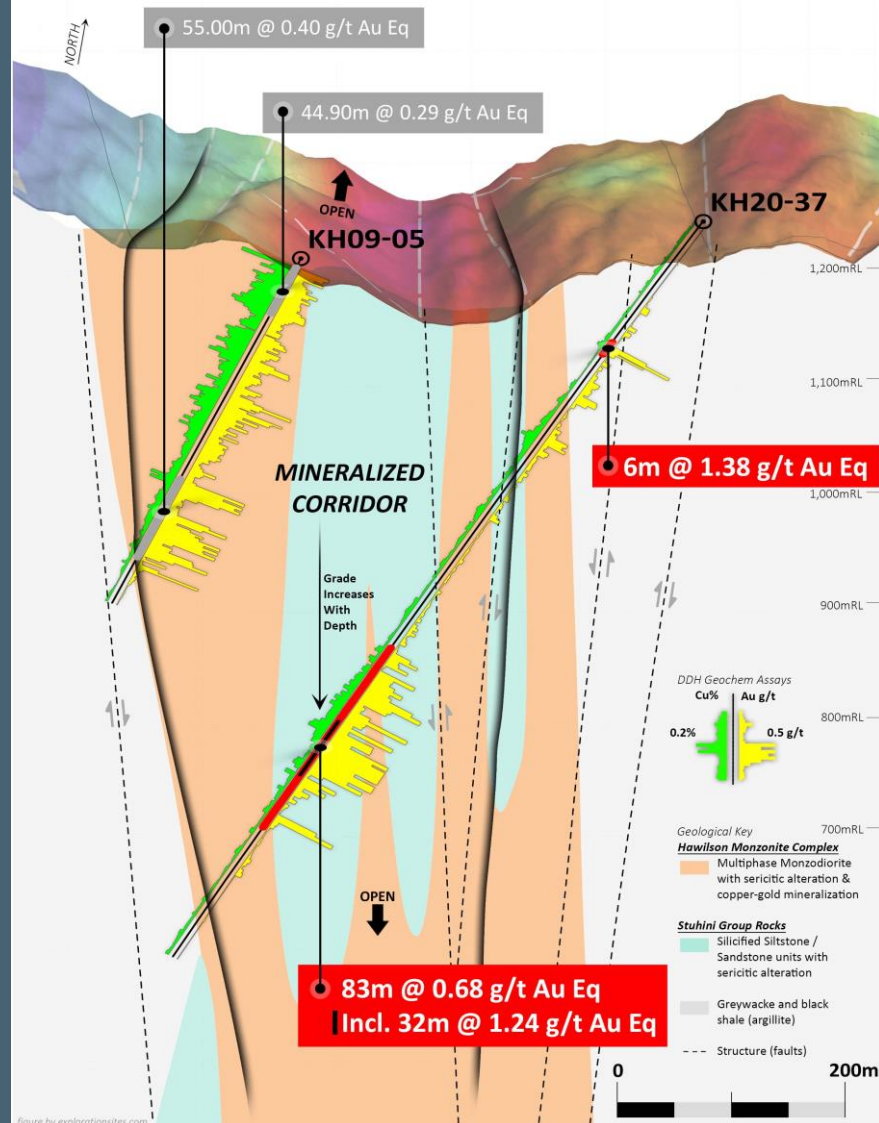
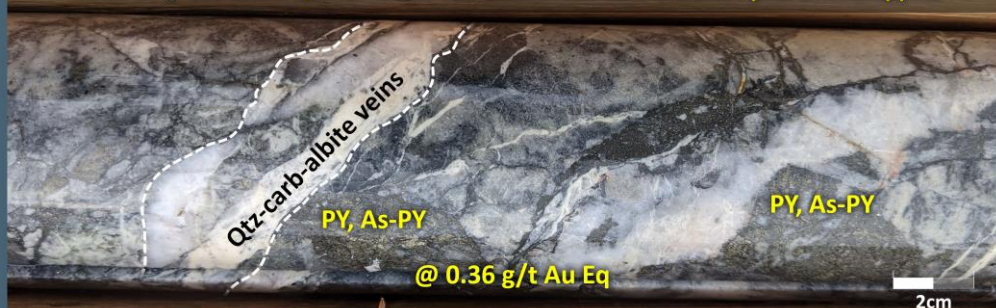
- Cliff/Miles Gold Zone (250m-wide, 2,000m-long and 600m-deep)
- Coincident IP Resistivity Anomaly open to the N and S
- Discovery Hole KH20-37 drilled 83m of 0.68 g/t AuEq. incl. 32m of 1.24 g/t AuEq. in calcareous siltstone units
- Footwall Block open in all directions
- Potential of copper-gold core below 600m

KH20-37 @ 135-136.8m: Quartz - calcite Breccia in calcareous siltstone containing Au-Pyrite-Arsenopyrite



**MILES EPITHERMAL GOLD ZONE**

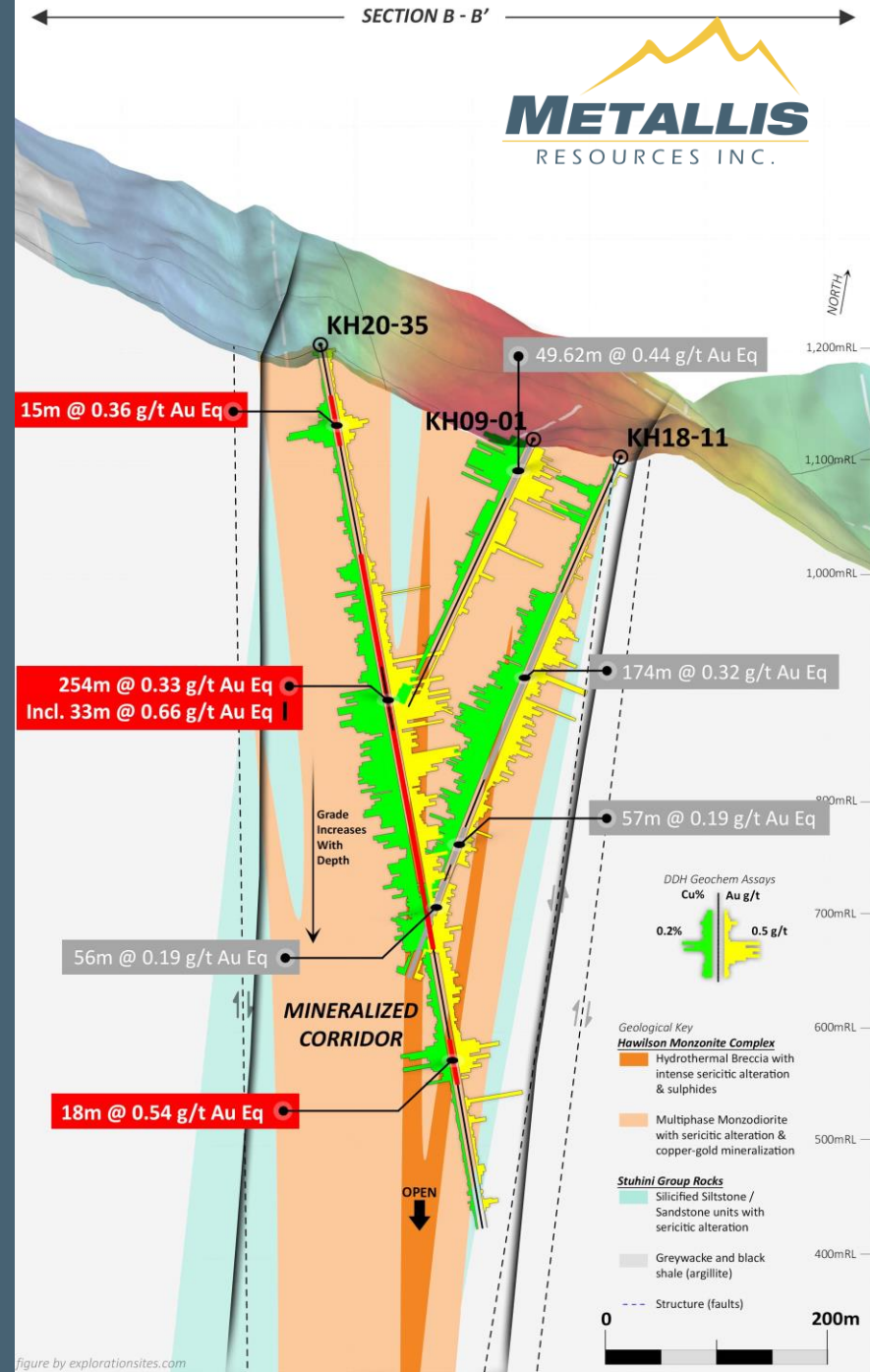
KH20-37 @ 138-139m: Quartz - calcite vein Breccia with semi-massive Pyrite & Arsenopyrite





# SECTION B-B'

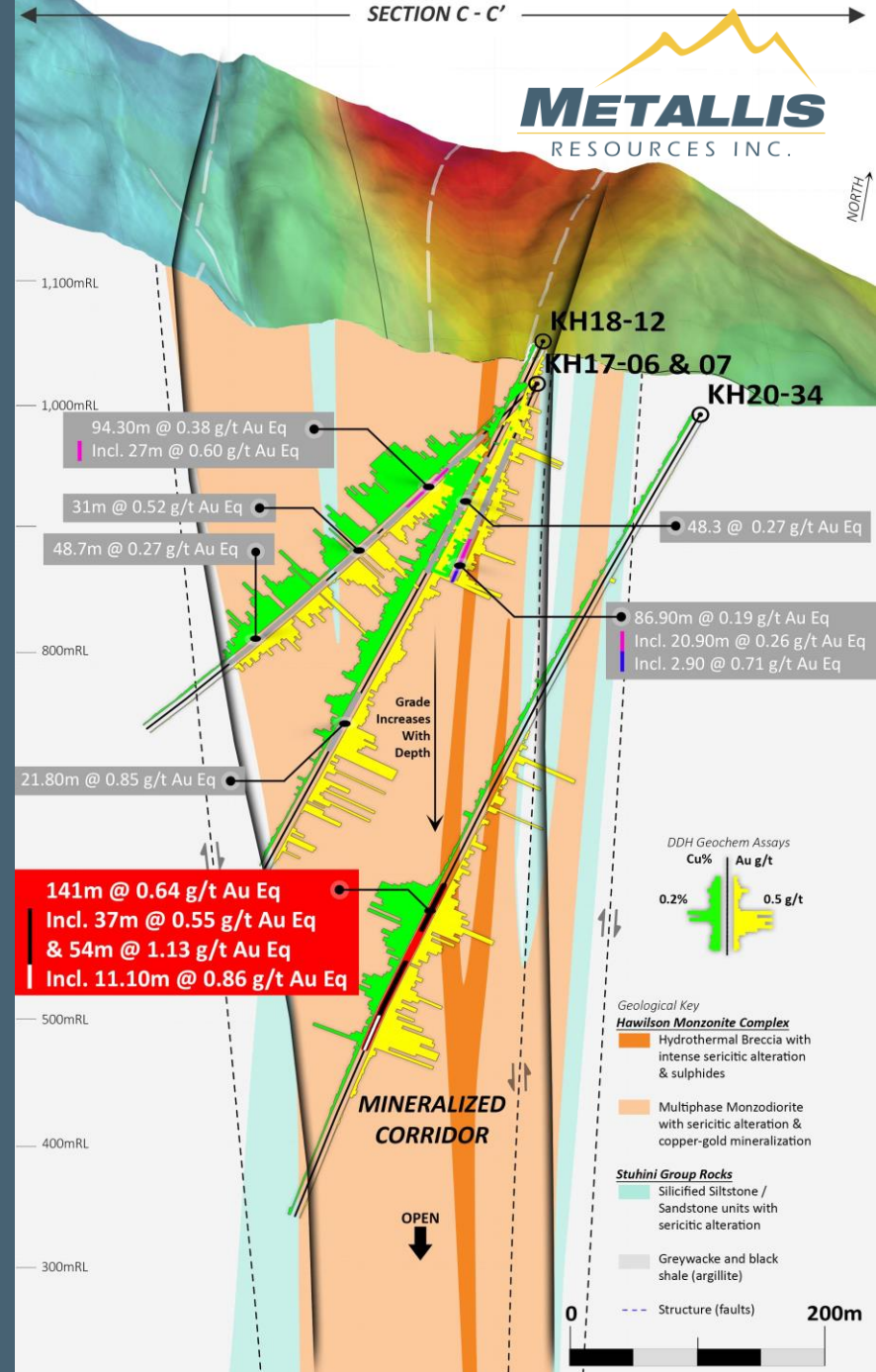
- Cliff/Miles Gold Zone (250m-wide, 2,000m-long and 600m-deep)
- Strong IP Resistivity Anomaly correlate with silicification in "MP"
- KH20-35m tested the upper NW part of the gold zone intersecting 254m of 0.33 g/t AuEq. incl. 33m of 0.66 g/t AuEq.
- Improving Chalcopyrite-pyrite ratio and Cu-Au grades with depth
- Potential of copper-gold core below 600m





# SECTION C-C'

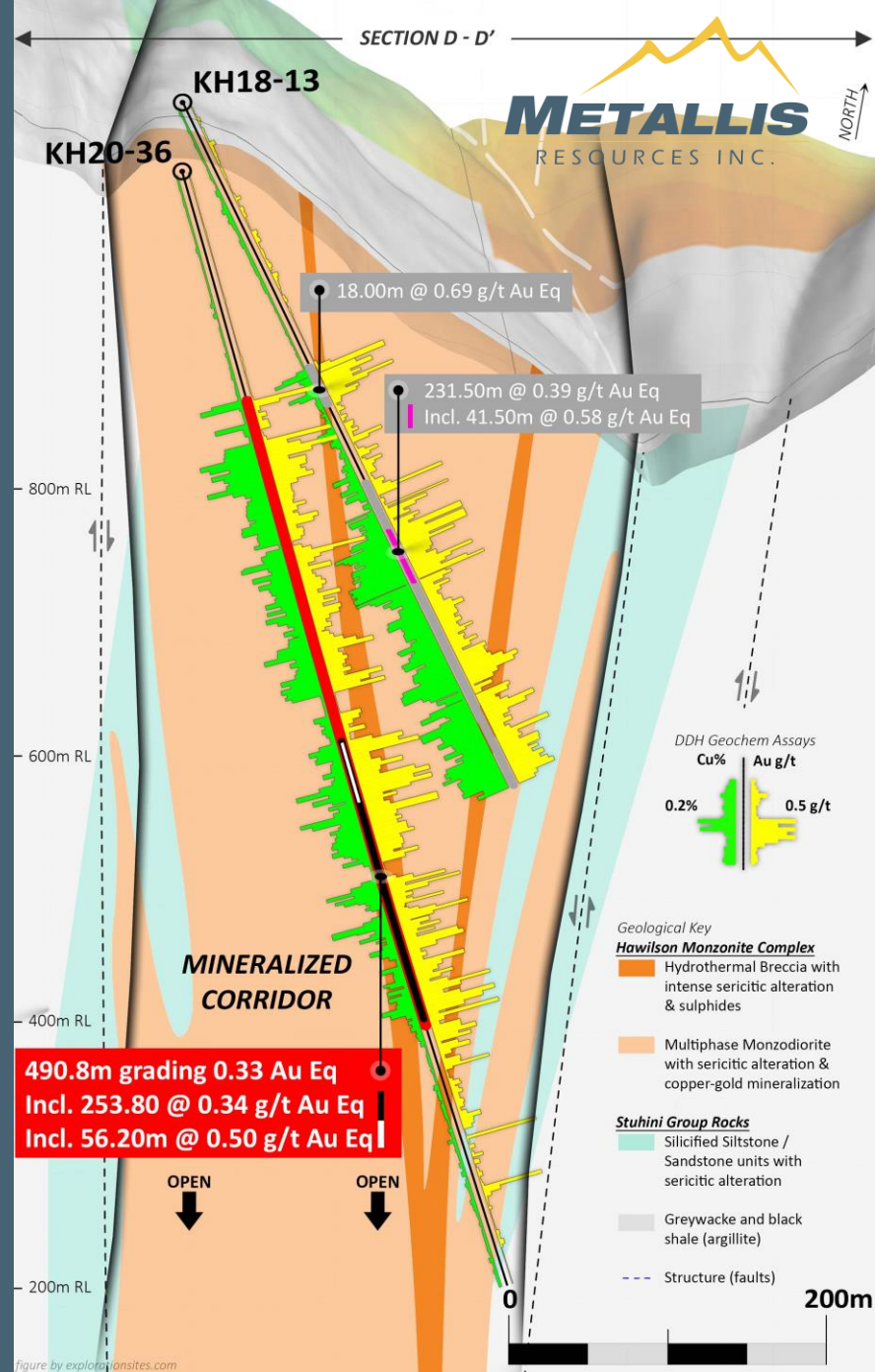
- Cliff/Miles Gold Zone (250m-wide, 2,000m-long and 600m-deep)
- Strong IP Resistivity Anomaly correlate with silicification in "MP"
- KH20-34 drilled 141m of 0.64 g/t AuEq. incl. 54m of 1.13 g/t AuEq. confirmed improving grades beyond 500m depth
- Remnant potassic alteration, chalcopyrite and higher Cu-Au grades
- Potential of copper-gold core below 600m





# SECTION D-D'

- Cliff/Miles Gold Zone (250m-wide, 2,000m-long and 600m-deep)
- Strong IP Resistivity Anomaly correlate with silicification in “MP” and hydrothermal breccia (“HBX”)
- KH20-36 drilled 490.8m @ 0.33 g/t AuEq. incl. 56.2m of 0.50 g/t AuEq. showing typical Porphyry style mineralization.
- Steeply west dipping morphology highlight significant upside potential at depth and to the West
- Potential of copper-gold core below 600m





## PROGRAM ACTIVITIES

- Structural Mapping and Prospecting
- Rock Chip / Soil Sampling (Cliff, Cole)
- Relogging of ~10,000m drill core
- Over 600 counts of SWIR / Mag sus analysis
- 11.5 line-km Induced Polarization (“IP”) Survey
- 3,820m drilling including 4 holes at Cliff Target
- Petrographic and geochronologic studies at UBC

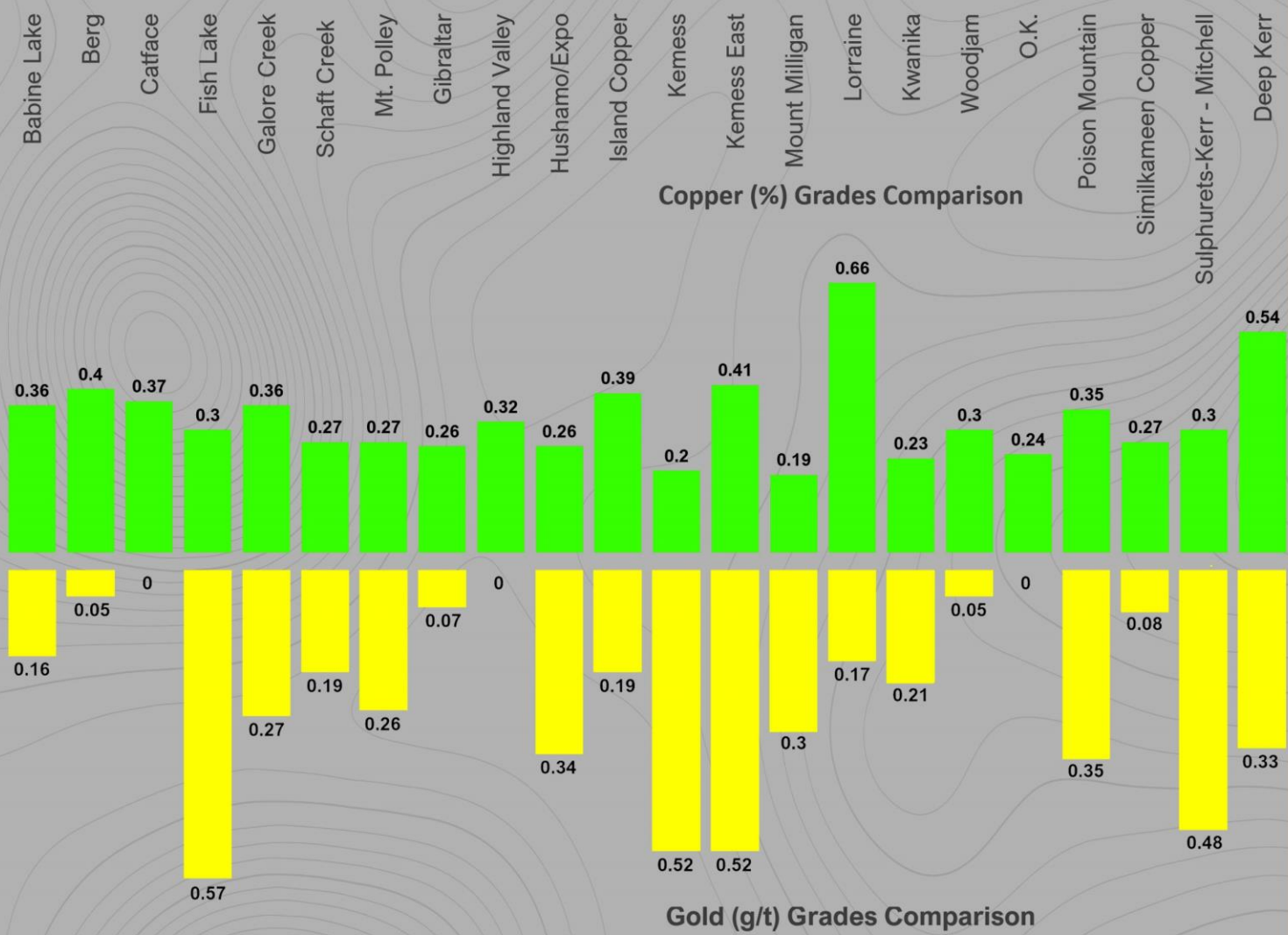


## PROGRAM RESULT HIGHLIGHTS

- Discovered a substantial Gold zone measured as 250m-wide, 2,000m-long and 600m-deep
- The Gold zone is associated with hydrothermal silicification telescoping over a deeper copper-gold core
- Copper-Gold mineralization in the Medium-grained Porphyry (“MP”) and hydrothermal Breccias (“HBX”)
- Higher Gold grades correlate with silicification and massive PY-CPY veins along faults and breccias
- Syn-mineral tensional faults are identified as structural traps for high-grade gold mineralization
- 3D Modeling identified substantial gaps and depth potential to target the core zones of the system



# PORPHYRY DEPOSIT COMPARISON



**KIRKHAM - CLIFF PORPHYRY\***



\*Grades are length-weighted average of all significant mineralized intervals

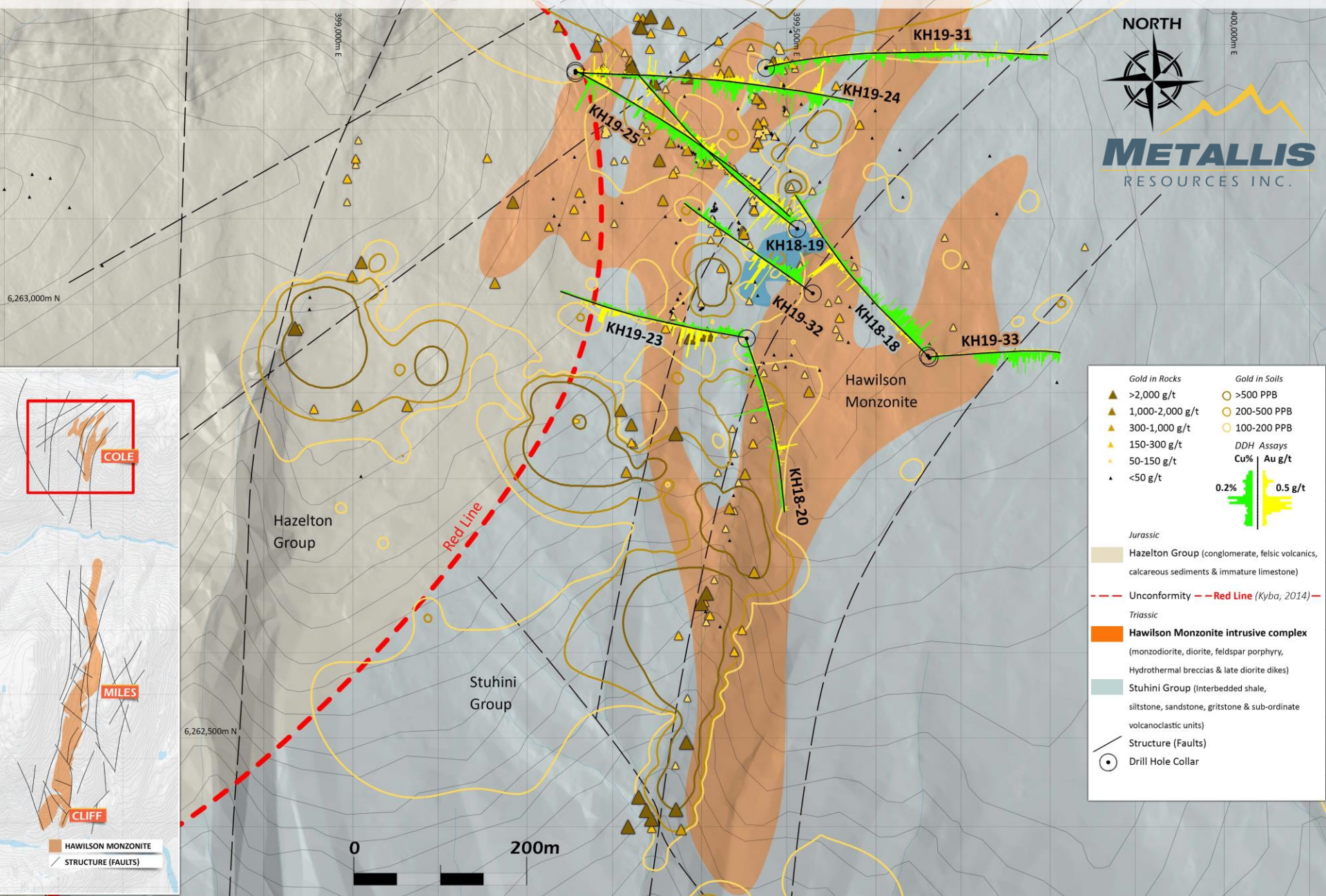




- Tabular porphyry system (1km x 1 km) at the northern end of the 7.5 km long Hawilson Monzonite Complex
- Extensive sericitic alteration and silicification footprint.
- Quartz stockwork and Chalcopyrite at surface
- KH18-19 cut 7.7m @ 11.18 g/t Au incl. 0.6m @ 137 g/t Au
- >3,500m comprising 9 shallow holes drilled from 2018-2019

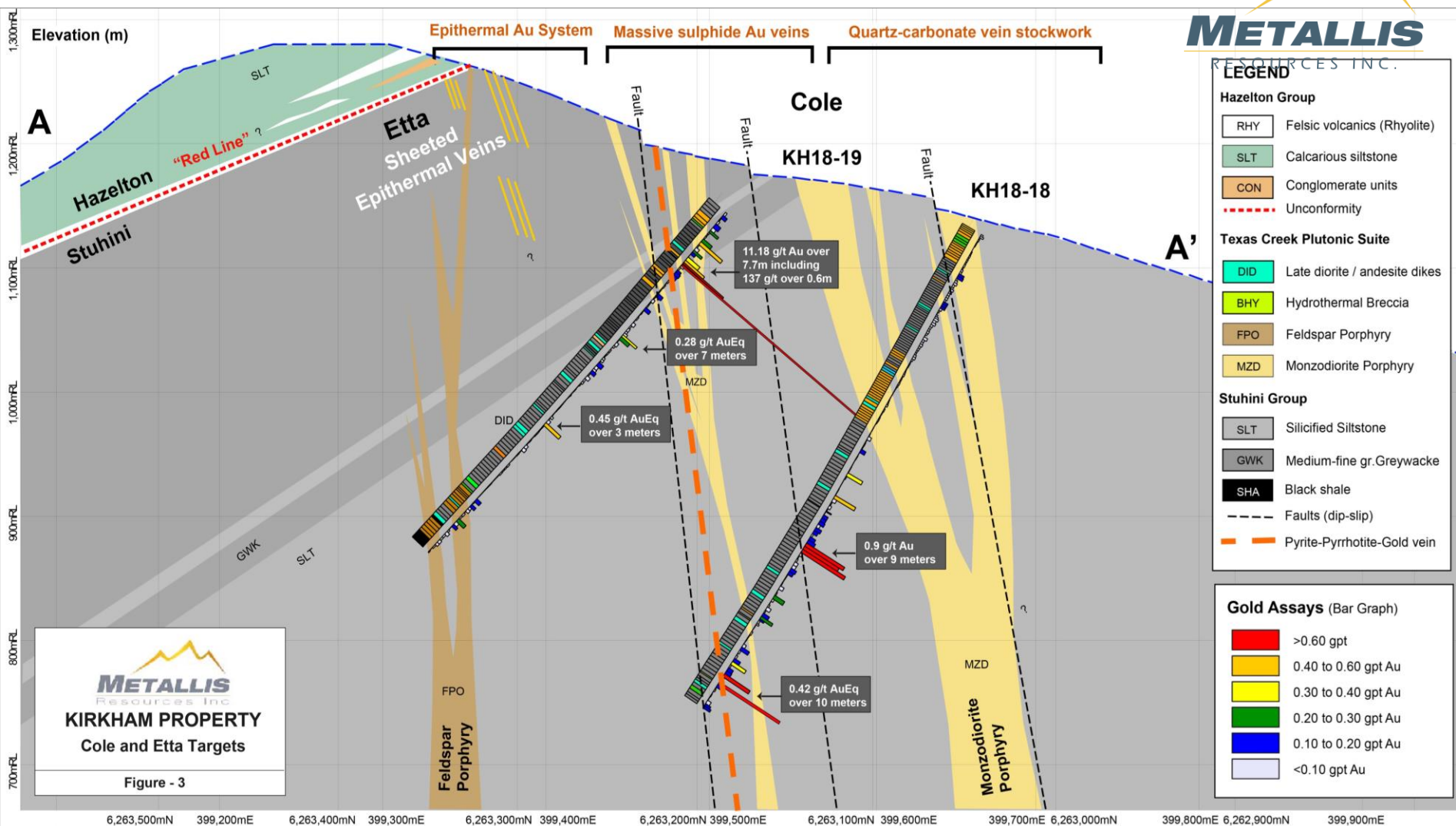


# COLE PORPHYRY SYSTEM





# COLE SECTION



- Multiple Porphyry dikes and extensive sericitic alteration along NE-trending Adam fault system
- Epithermal gold mineralization telescoping the underlying porphyry copper-gold system
- Gold-rich mineralization associated with a NE-trending corridor of silicified MP and calcareous siltstone units.
- Porphyry Copper-Gold potential at depth along Adam fault and Gossan Creek to the south

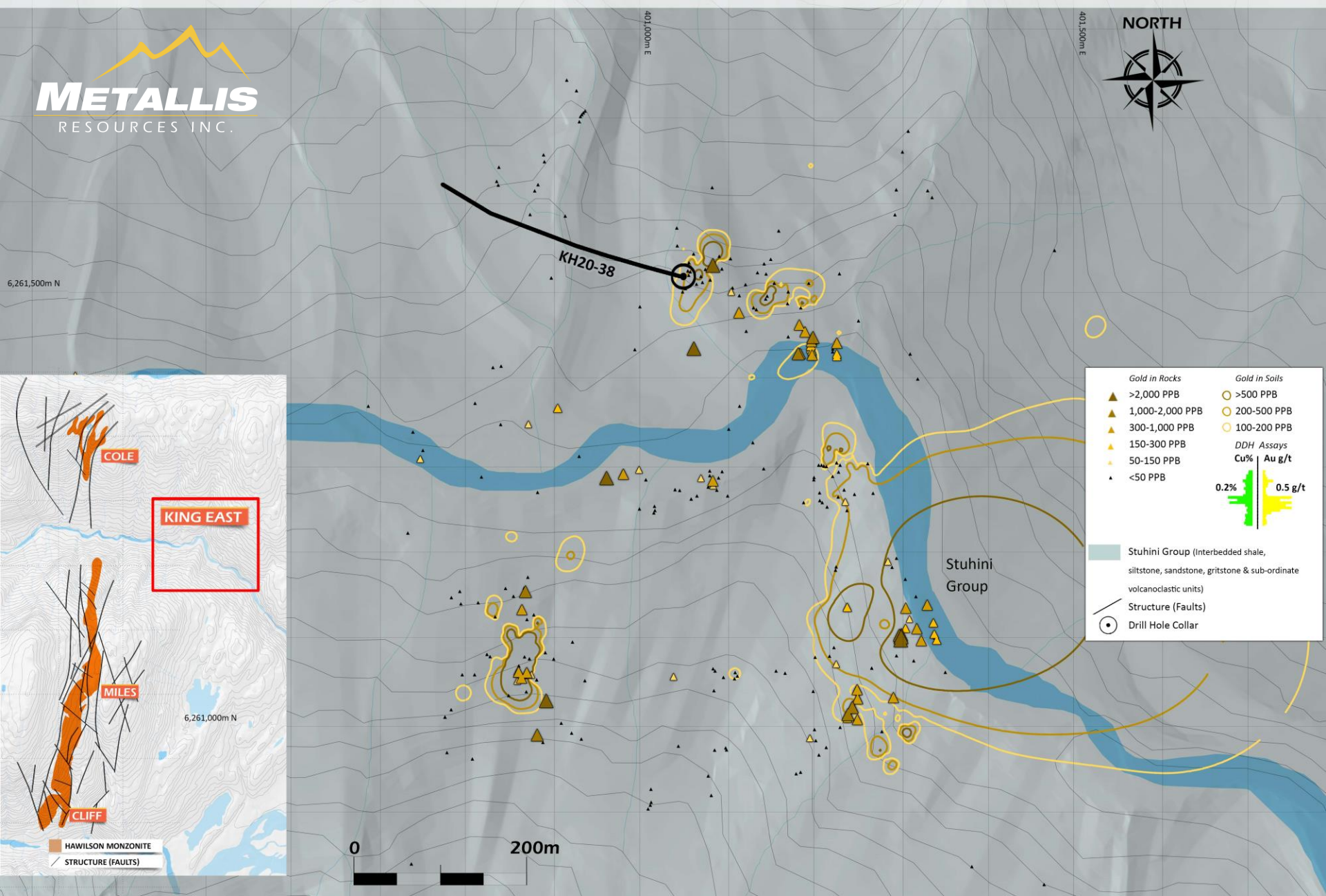




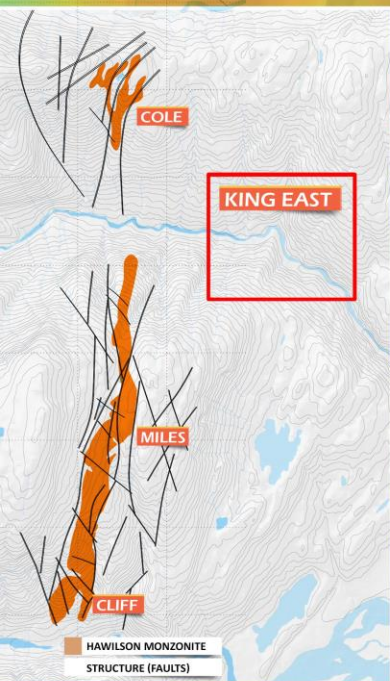
- Extensive geochemical Cu, Au and Mo anomalies
- Coincident magnetic and resistivity anomaly
- NS trending Structural corridors with Au mineralization
- Intense silicification and vein stockwork



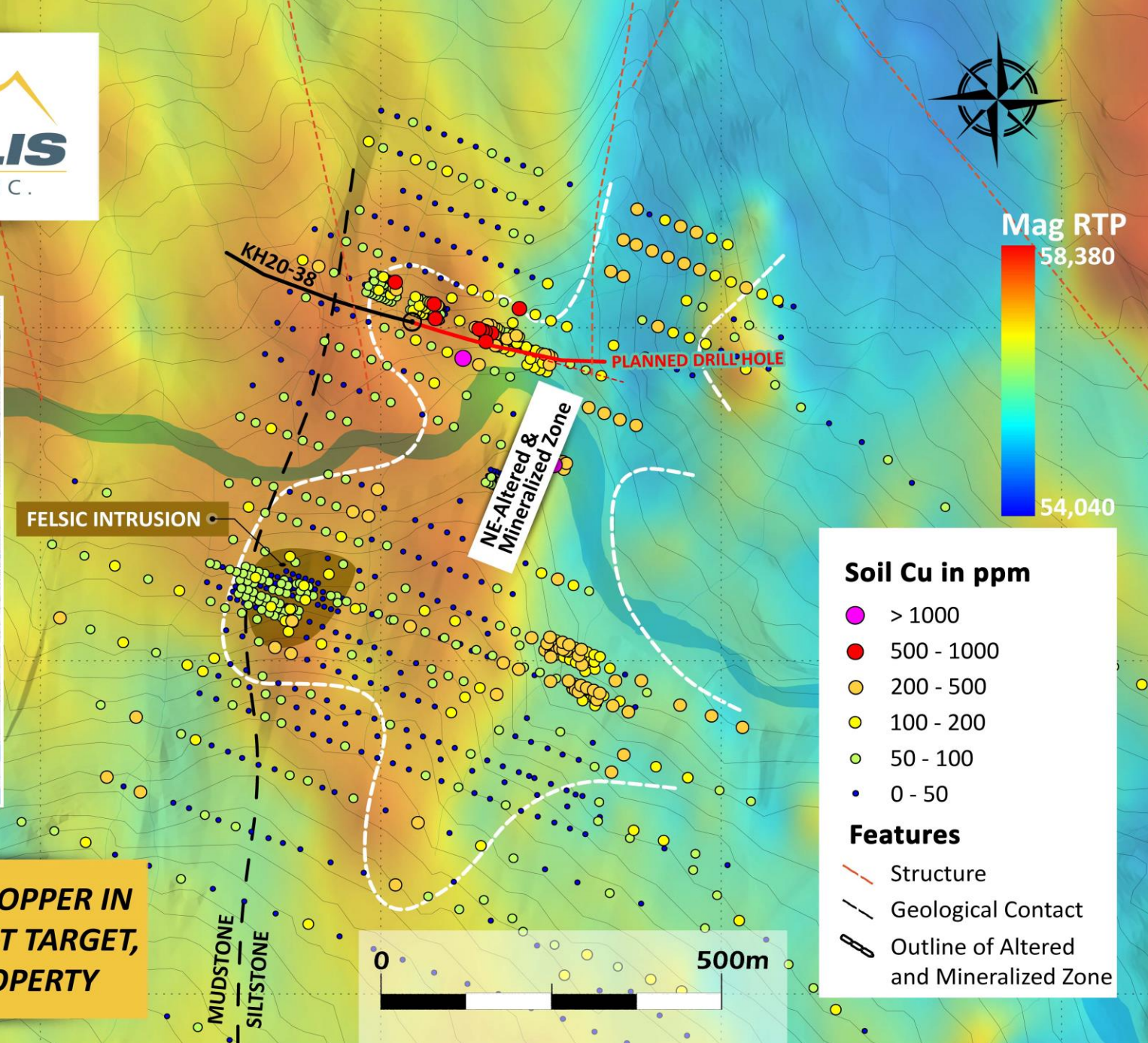
# KING EAST TARGET







**MAGNETICS & COPPER IN  
SOIL AT KING EAST TARGET,  
KIRKHAM PROPERTY**



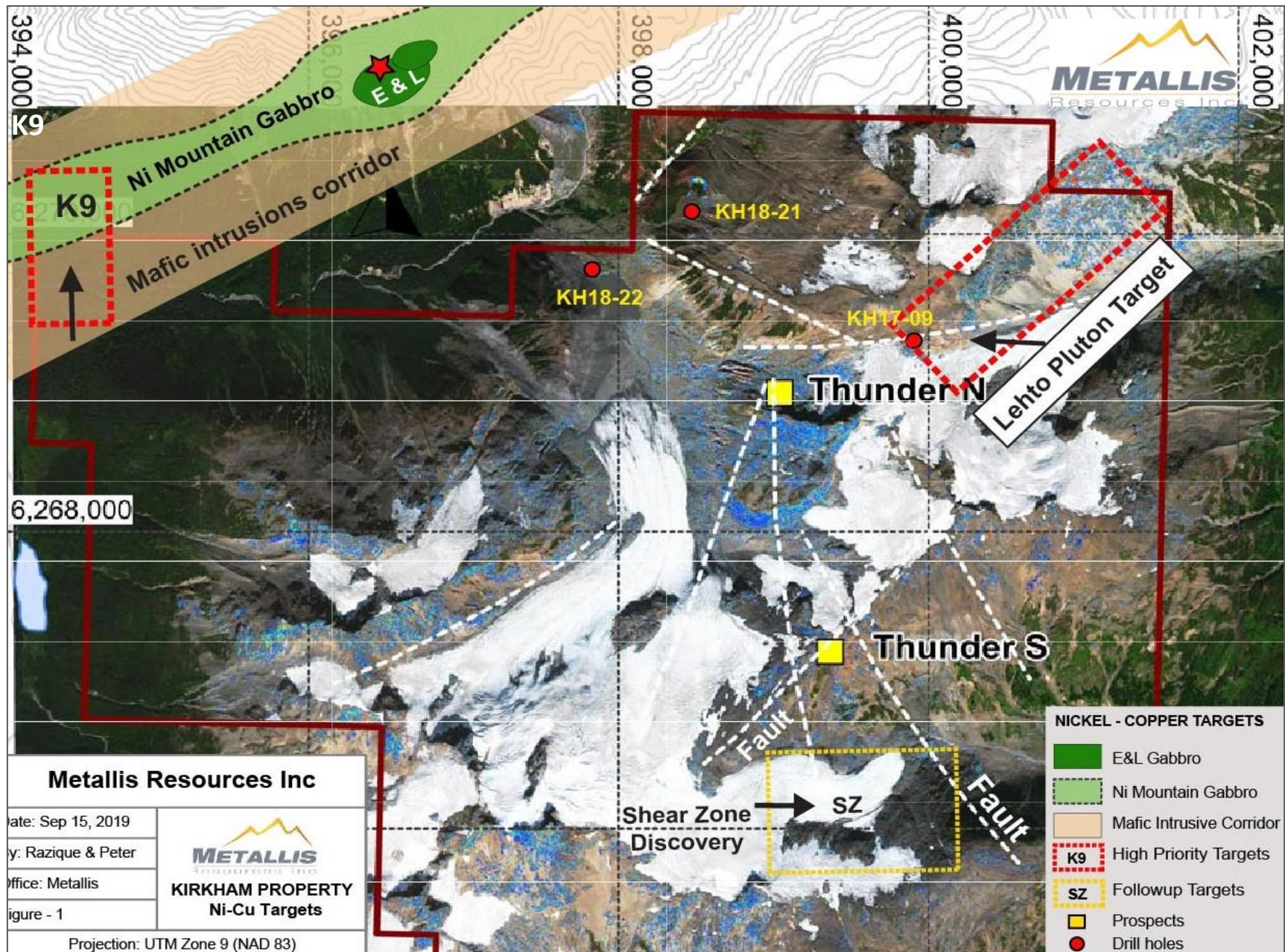


# THUNDER NORTH TARGET





# THUNDER NORTH TARGET





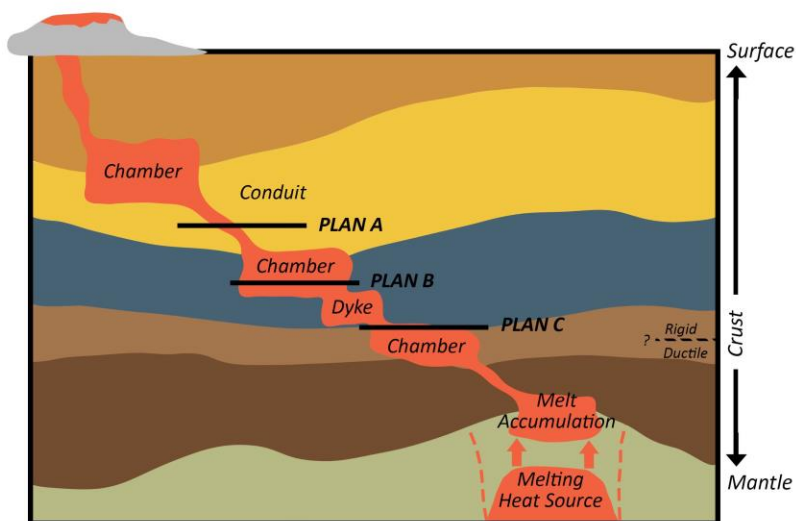
## THUNDER NORTH:

Geological Model for Nickel Sulfide Target

### Key Features:

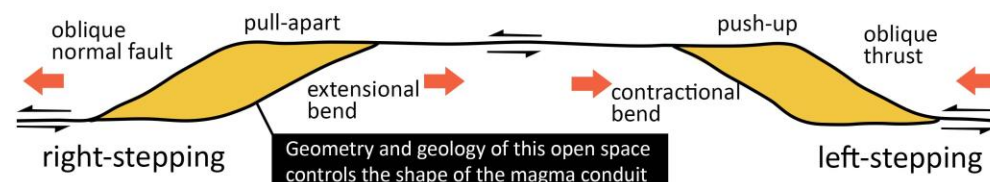
- Structural setting on flank of Eskay Rift
- Small mafic intrusions with irregular geometry/contacts
- Differentiated gabbroic rocks (olivine gabbro through leucogabbro)
- Variable- and orbicular-textured gabbro
- Inclusions/magmatic breccias
- Disseminated pyrrhotite-pentlandite-chalcocopyrite
- Elevated Ni, Cu, Co, Ag, Pt, Pd, and Au in 100% sulfide

### View Along Plane of Strike-Slip Shear Zone



### Structural Setting:

#### Cross-linking structures in rift undergoing transtension



### Plan View

Magma Conduits (pipes, dykes, chambers) at different crustal levels

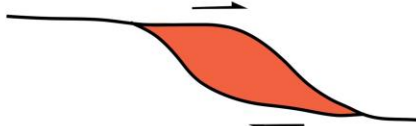
#### PLAN A - Pipe



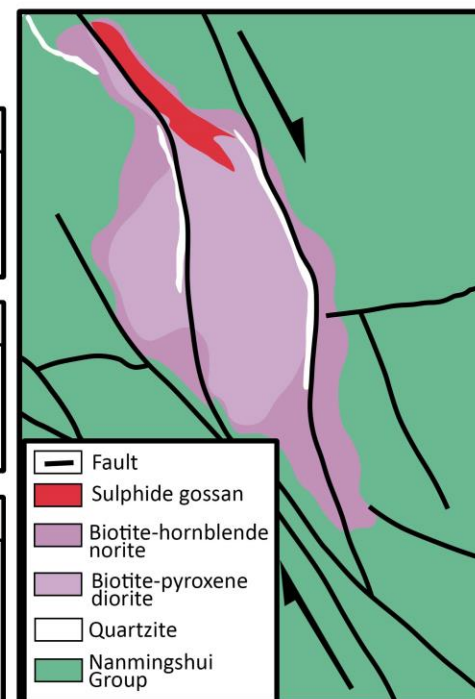
#### PLAN B - Dyke



#### PLAN C - Chamber

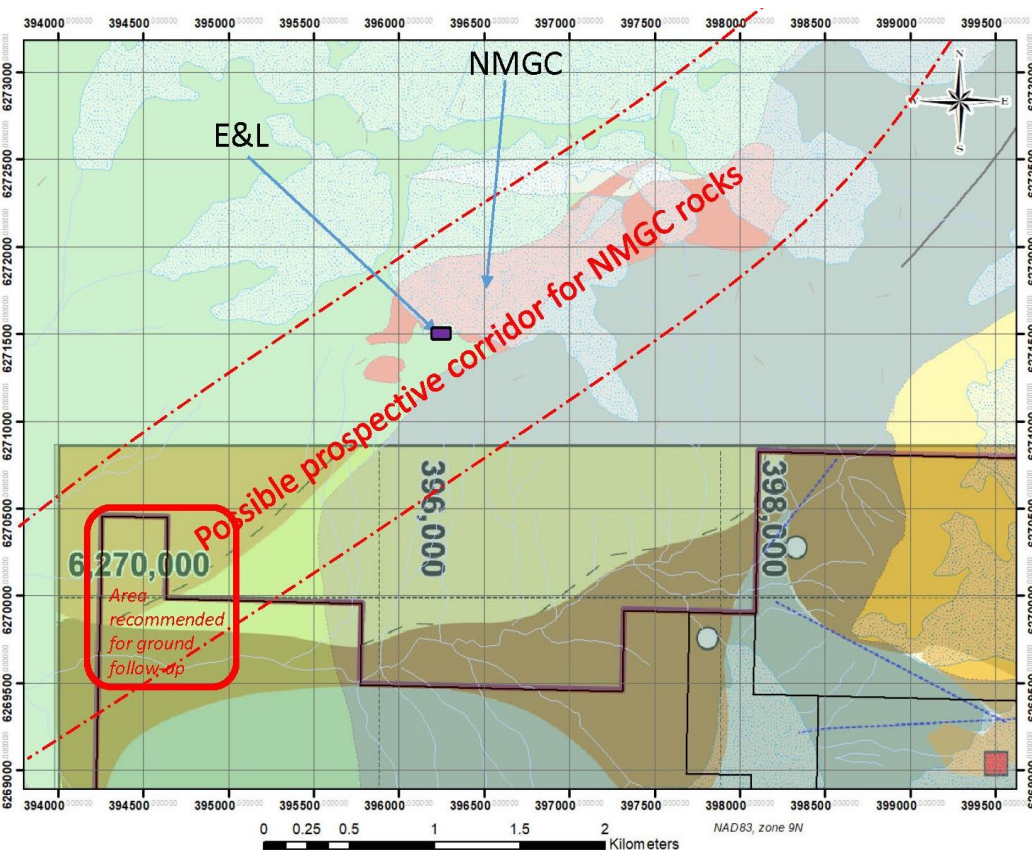


### Example: Kalatongke

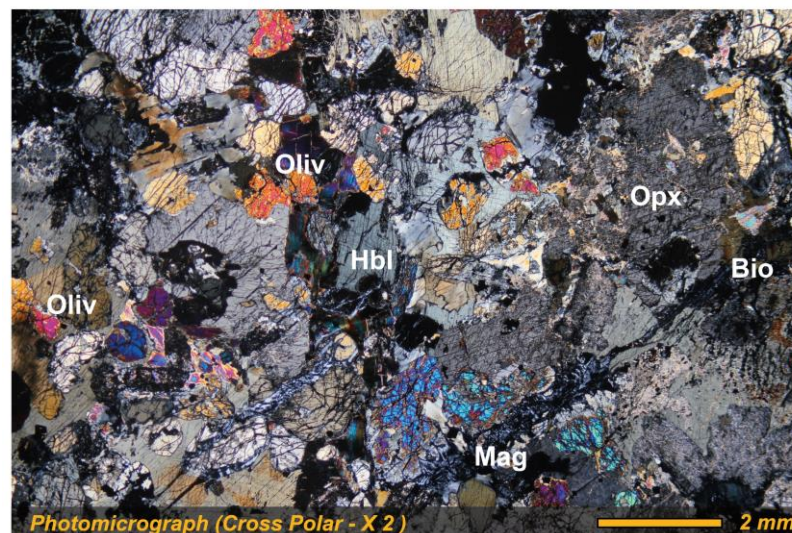




# THUNDER NORTH TARGET



## Olivine Gabbronorite



Primary Mineralogy			Alteration Mineralogy		
Orthopyroxene	< 2mm sub-hedral	35%	Muscovite	< 0.2mm anhedral, tabular, pseudomorphic	5%
Olivine	< 1.5mm euhedral to anhedral	30%	Quartz	< 0.1mm, anhedral, equant, pseudomorphic	1%
Hornblende	< 4mm anhedral, interstitial	16%			
Plagioclase	< 3mm euhedral, tabular	10%	Vein Mineralogy		
Magnetite	< 0.4mm diss and fracture filled	2%	Quartz - Muscovite - Pyrite		
Biorite	< 1.5mm anhedral, interstitial	1%	Chalcedony (0.5mm), irregular		
			Quartz - Muscovite - Pyrite		

Photomicrograph of the Olivine Gabbronorite from UBC - MDRU thin section study

- Ni-Mountain Gabbros at K9 Target, ~1.5km southwest of Garibaldi Resources' E&L deposit
- Outlined 20 coincident VTEM Conductors and Mag anomalies
- MDRU/UBC Petrography identified "Olivine Gabbronorite"
- Olivine gabbro float with PO-CP-PN, highlight Ni-Cu potential in Thunder N
- Re-interpretation of the VTEM conductors and proposed Z-TEM



# REGIONAL TARGETS - KIRKHAM

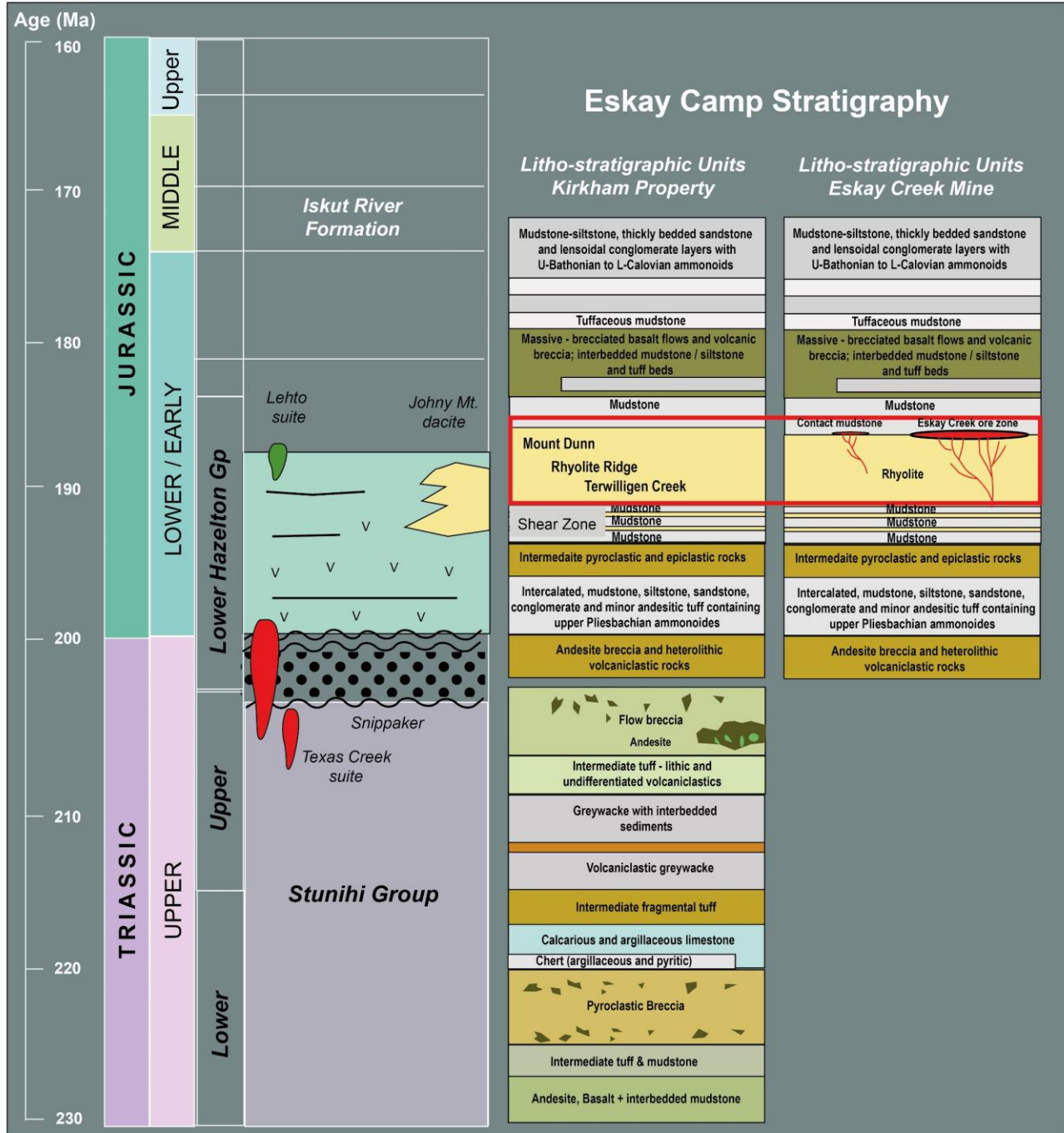


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RESOURCES INC.



# REGIONAL STRATIGRAPHY

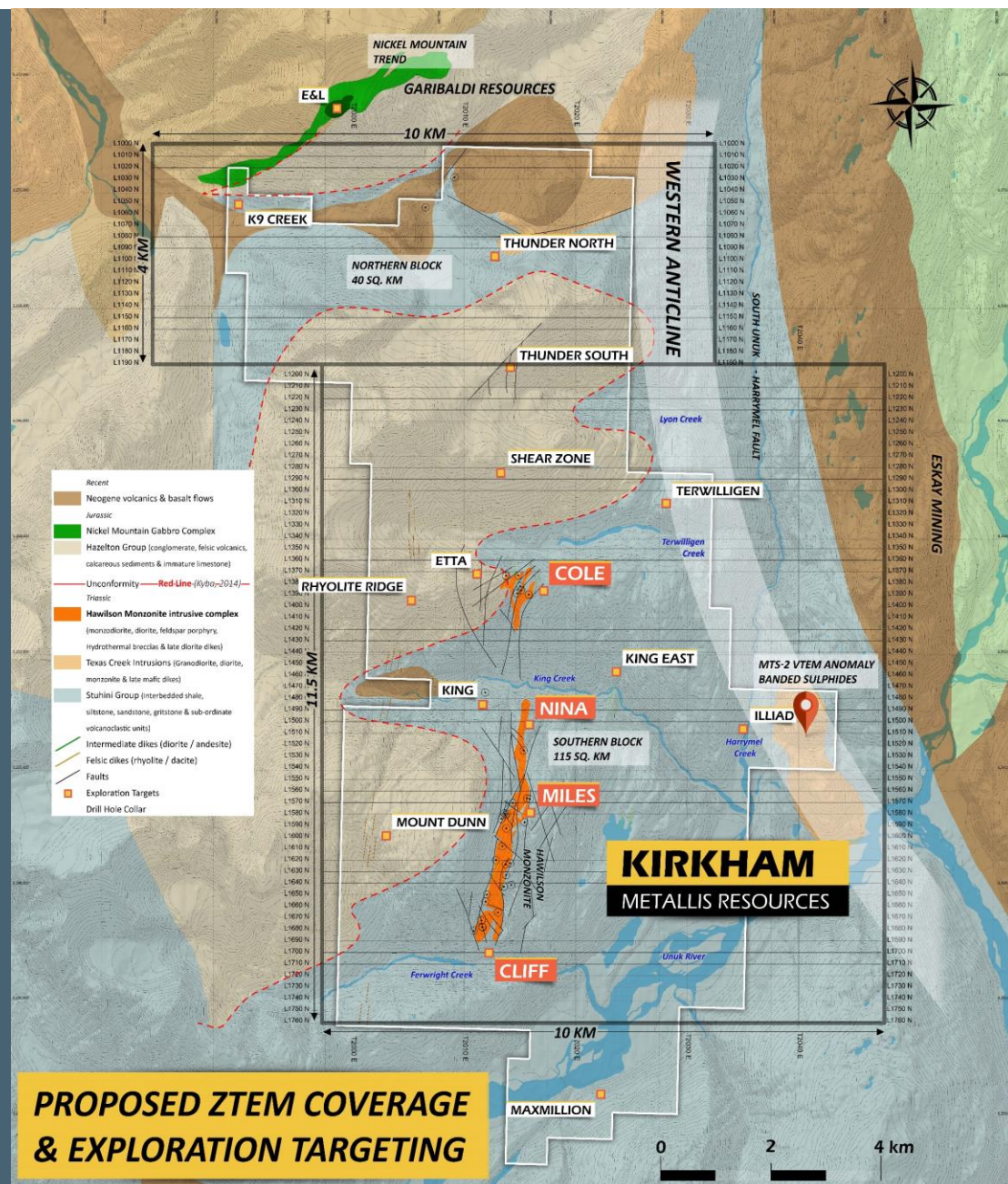
- Over 10 km of Triassic – Jurassic unconformity “Red-Line”
- Porphyry systems hosted by Texas Creek suite intrusions
- Shear vein gold and VMS potential in the lower Stuhini Group
- VMS mineralization (e.g. Eskay Creek) along the Rhyolite – mudstone contact in the Lower Hazelton
- Magmatic Ni-Cu along Nickel Mountain ultra-mafic Complex





# REGIONAL TARGETS - KIRKHAM

- **King East:**  
Coincident mag, Cu-Au-Mo geochem, resistivity-low and gold-veins  
**Porphyry & Shear-vein gold Target**
- **Fewright:**  
Resistivity-low and mag west of Cliff  
**Porphyry Target**
- **Rhyolite Ridge:**  
Gossanous mudstone and Rhyolite lenses  
**VMS Target**
- **Dike Swarm:**  
Felsic dikes in Hazelton group rocks  
**VMS Target**
- **Iliad:**  
Coincident Mag, Resistivity and gossan  
**VMS Target**
- **Maxmillion:**  
Coincident Mag, Resistivity and anomalous geochemistry  
**VMS / IOCG Target**





# 2021 EXPLORATION PROGRAM



- Geological Mapping / Prospecting of the Cliff, Cole, Mt. Dunn, and Thunder North
- Surface Rock-chip and soil sampling in the Cliff, Cole and King East Targets
- 15 line-kms of Induced Polarization (“IP”) Survey at the Cliff, Cole and King East Targets
- Property wide ZTEM survey – including property boundary areas in partnership with neighbors (Eskay Mining & Garibaldi)
- 5,000 meters drilling to expand the Cliff and Cole Targets



# CONCLUSIONS

- The 106km<sup>2</sup> Kirkham property is situated within a fertile metallogenic belt of northwest BC, with an endowment of 211 million ounces of Gold, 87.7 billion pounds Copper and 1344 million ounces of Silver
- The “Red Line” which marks most of the copper-gold deposits in the Golden Triangle is exposed for approximately 10km strike-length within the Kirkham Property
- The Porphyry Cu-Au, Epithermal Au and Magmatic Ni-Cu potential at the Kirkham property provides Metallis Resources the opportunity to make an economic discovery
- Golden Triangle has seen major M&A activity in the last 24 months including: GT Gold / Newmont (Saddle North) - \$400M, Imperial Metals / Newcrest - ~\$1B (70% Ownership Red Chris) and Pretium / Seabridge (Snowfield) - ~\$116M. This highlights the path to acquisition is still in place for junior exploration companies once a discovery is made





# CONTACT

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## HEAD OFFICE

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Vancouver, BC V6C 1E1





# APPENDIX – MANAGEMENT & CAPITAL STRUCTURE



**Fiore Aliperti**  
*CEO, Director*  
February, 2012 – present



**Jon Lever**  
*Chief Financial Officer, Director*  
January, 2012 – present



**Dave Dupre**  
*Vice President of Exploration*  
February, 2014 – present



**Dr. Dave Webb**  
*Director*  
February, 2014 – present



**Michael Sikich**  
*Chairman, Director*  
February, 2012 – present



**Dr. Abdul Razique**  
*Chief Geologist*



**Dr. Farhad Bouzari**  
*Technical Advisor*



**Stephen Wetherup BSc.,  
P.Geo.**  
*Technical Advisor/Consultant*



**Dr. Peter Lightfoot**  
*Technical Advisor/Consultant*



**Andrew McIntosh**  
*Technical Advisor*

As of March 22, 2021:

<b>Issued &amp; Outstanding</b>	<b>52,839,878</b>
<b>Options</b>	<b>2,980,000</b>
<b>Warrants</b>	<b>11,788,154</b>
<b>Fully Diluted</b>	<b>67,608,643</b>