

# EXPLORING A WEALTH OF OPPORTUNITIES



TSX.V - HGO



# Forward-Looking Statement



This presentation may contain forward-looking statements within the meaning of the Canadian securities legislation and the United States Private Securities Legislation Reform Act of 1995. These forward looking statements are made as of the date of this presentation and the Company does not intend and does not assume any obligation to update these forward-looking statements.

Forward-looking statements relate to the future events or the anticipated performance of the Company and reflect management's expectations or beliefs regarding such future events and anticipated performance. In certain cases, forward-looking statements can be identified by the use of words such as plans, expects, budget, scheduled, estimates, forecasts, intends, anticipates or believes, or variations of such words and phrases or statements that certain actions, events or results may, could, would, might, occur or be achieved, or the negative of these words or comparable terminology. By their vary nature forward-looking statements involve known and unknown risks, uncertainties and other factors which may cause the actual performance of the company to be materially different from any anticipated performance expressed or implied by the forward looking statements. Although the Company has attempted to identify important factors that could cause actual performance to differ materially from that described in forward-looking statements, there may be other factors that cause its performance not to be as anticipated. There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. According, readers should not place undue reliance of forward-looking statements.

## MISSION STATEMENT

HAWKEYE Gold & Diamond is focused upon being a leader in the New Yukon Gold Rush of the 21st Century through the exploration, development and ultimate production of its TOP, DART and MINT gold and silver projects located in the Yukon, Canada.

## VISION

HAWKEYE Gold & Diamond identifies and acquires low-cost high potential mining opportunities worldwide. Our goal is to provide minimum risk through diversification and increase revenues and opportunities for significant growth and early returns on investment to maximize shareholder value.

# Management Team



## **Mr. Greg Neeld, President & CEO**

- Over 20 years of business experience in the private and public sectors.

## **Dr. George W. Poling, P.Eng.**

- Professor emeritus
- Former Head of the Department of Mining and Mineral Process Engineering at the University of British Columbia.

## **Dr. Malcolm E. McCallum, PhD**

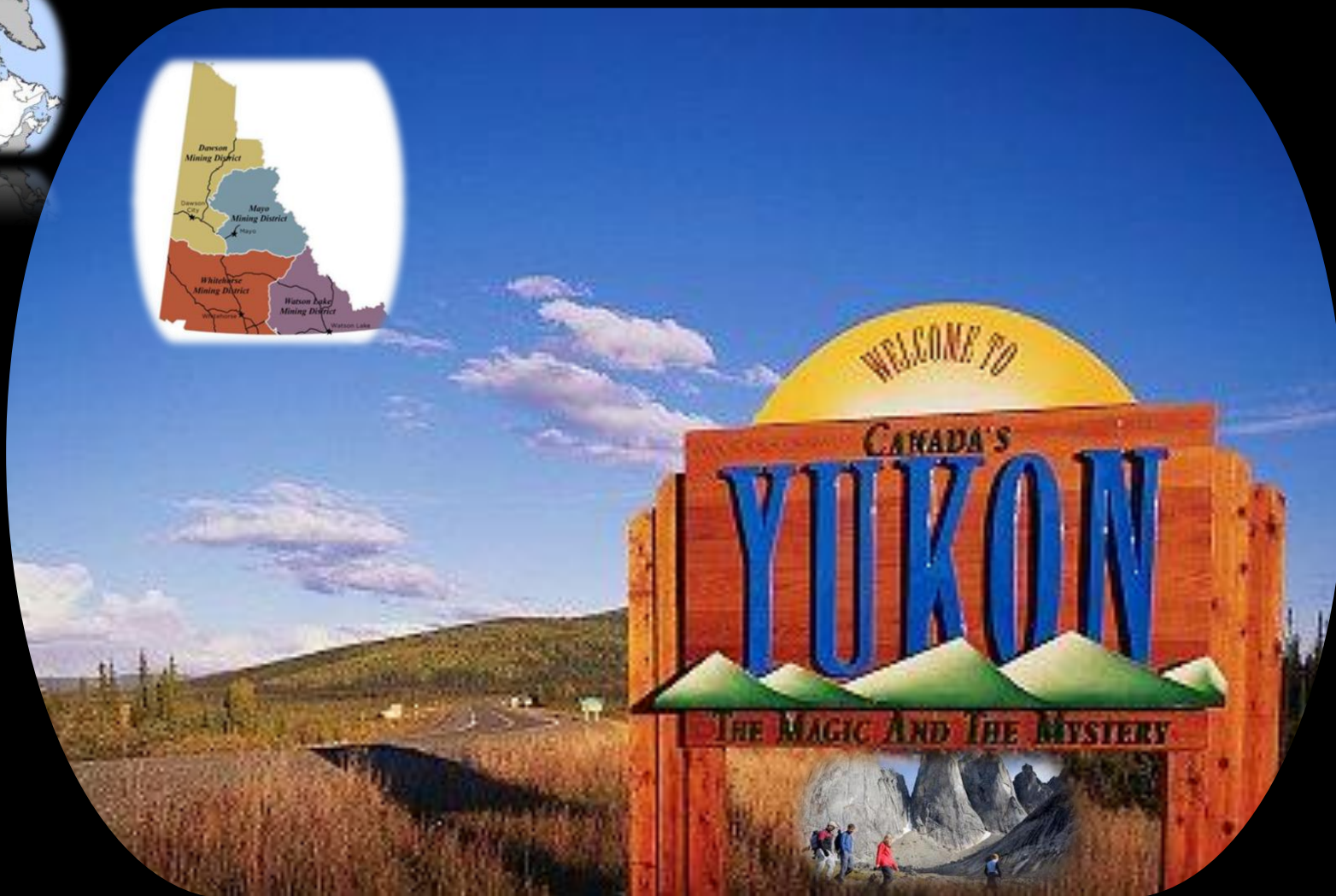
- Professor emeritus
- Former Head of the Department of Mining and Mineral Process Engineering at the University of British Columbia.

# Corporate Overview



Stock Exchange & Trading Symbol	TSX Venture Exchange - HGO
Issued and Outstanding	15,771,547
Warrants Outstanding	12,652,723
Options Outstanding	970,000
Fully Diluted	29,394,270
12 Month Trading Range	\$0.14 - \$0.28
3 Year Trading Range	\$0.14 - \$1.80
Focus	Yukon, Canada
	Base & Precious Metals
Properties	DART, MINT and TOP

# Why Explore the Yukon



# Why Explore the Yukon

## Mining Friendly Jurisdiction

- Ranked second by the Fraser Institute as a world mining jurisdiction
- Rights and Title Agreements with 11 of 14 First Nations
- Positive tax and mining incentives
- Government promotes responsible mineral development
- Three operating mines at Bellekeno, Minto and Wolverine
- Strong mining laws with secure mineral tenure



# Why Explore the Yukon



## Infrastructure and Connected to the World

- International airport and 10 community airports
- Over 4,800 km of all-weather roads
- Connected to the world via two ice-free ports in Alaska, Yukon
- Modern telecommunications network



## Yukon is Underexplored

- Over 20 million ounces of placer gold production
- Bedrock source for all placer gold remains a mystery
- More than 2,600 mineral occurrences and more than 80 deposits with reserves



# Why Explore the Yukon

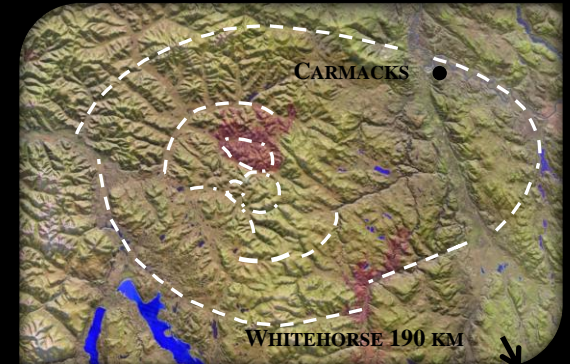
- Exploration expenditures exceeded \$160 Million in 2010
- Claim staking was off-the-charts and 79,993 claims were staked in 2010
- The largest staking rush in the history of the Yukon has claimed only slightly more than 3% of the Yukon land mass
- Total land mass of the Yukon under mining claims just over 7%
- Two new gold districts recently discovered
  - Dawson Range Gold District
  - Selwyn Basin Gold District
- Significant major recent discoveries by Kaminak, Atac, Underworld Resources and others

“Yukon Gold Rush - 1896”

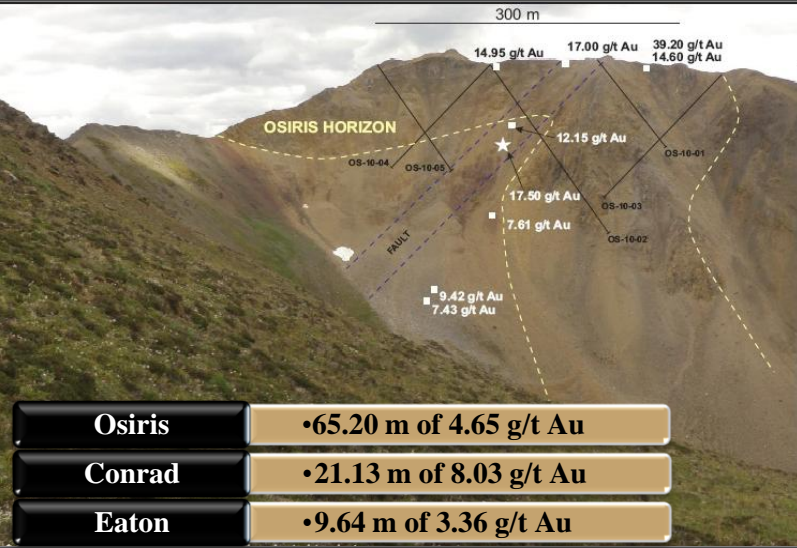


# Why Explore the Yukon

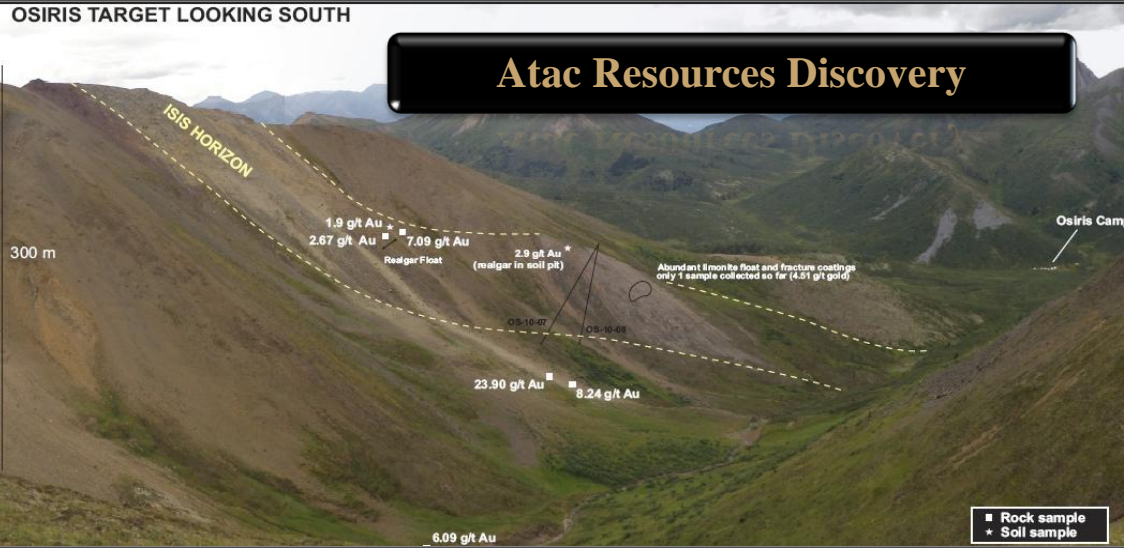
- Underworld bought out by Kinross for \$139 Million
- Largest developing area play in the past 100 years
- New Yukon Gold Rush of the 21<sup>st</sup> Century
- More discoveries to come
- CARMACKS CALDERA next discovery area



# Why the Yukon - Great Discoveries



## Atac Resources Discovery



Osiris	•65.20 m of 4.65 g/t Au
Conrad	•21.13 m of 8.03 g/t Au
Eaton	•9.64 m of 3.36 g/t Au

## Kinross (Underworld) Discovery



Golden Saddle Zone	•Open pit - Indicated 9,665 Mt of 3.19 g/t Au
Golden Saddle Zone	•Open pit - Inferred 4,104 Mt of 2.33 g/t Au
Golden Saddle Zone	•Underground - Indicated 132 Tt of 3.23 g/t Au
Golden Saddle Zone	•Underground - inferred 918 Tt of 3.38 g/t Au
Arc Zone	•Open pit - Inferred 4,369 M/t of 1.21 g/t Au

# Why the Yukon - Great Discoveries



## Kaminak Gold Discovery

### Latte

70 m @ 1.86 g/t Au  
81 m @ 1.39 g/t Au  
5 m @ 8.15 g/t Au

### Supremo

14 m @ 12.43 g/t Au  
51 m @ 1.27 g/t Au

### Double Double

9 m @ 2.04 g/t Au  
35 m @ 6.30 g/t Au

### T2 Structure

16 m @ 3.73 g/t Au  
2 m @ 7.07 g/t Au

### T6 Structure

14 m @ 2.11 g/t Au  
19 m @ 2.38 g/t Au

### Kona

56.75 m @ 2.21 g/t Au  
23 m @ 1.92 g/t Au

### Connector

1 m @ 3.65 g/t Au  
8 m @ 0.73 g/t Au  
2 m @ 2.09 g/t Au

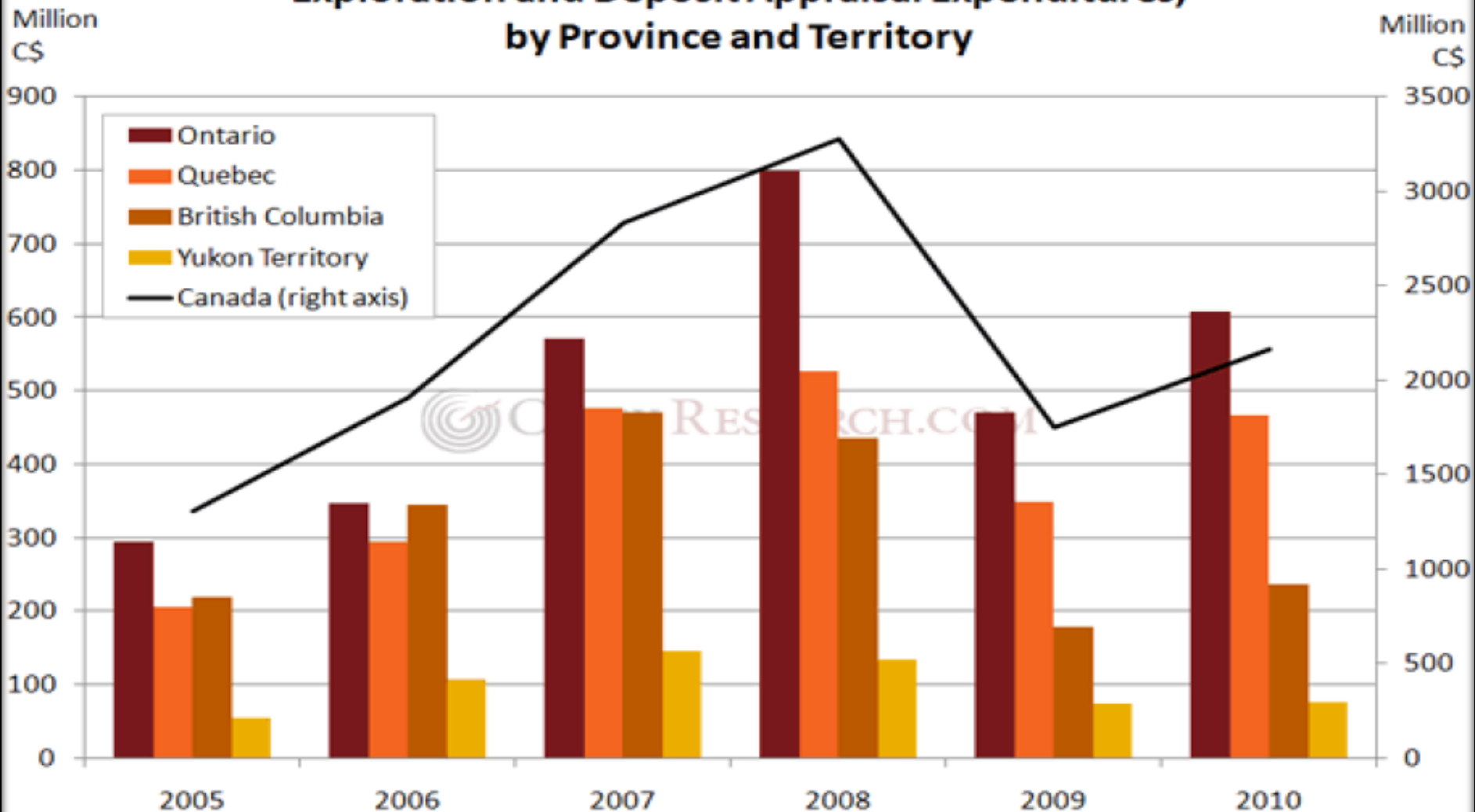
### Connector

7 m @ 3.16 g/t Au  
3 m @ 5.67 g/t Au  
2 m @ 2.32 g/t Au

# Why the Yukon - Underexplored



## Exploration and Deposit Appraisal Expenditures, by Province and Territory



# Why Explore the Yukon



“Since the initial White Gold discovery, over 20 junior mining companies have acquired land in the region which has been dubbed “The White Gold District”.

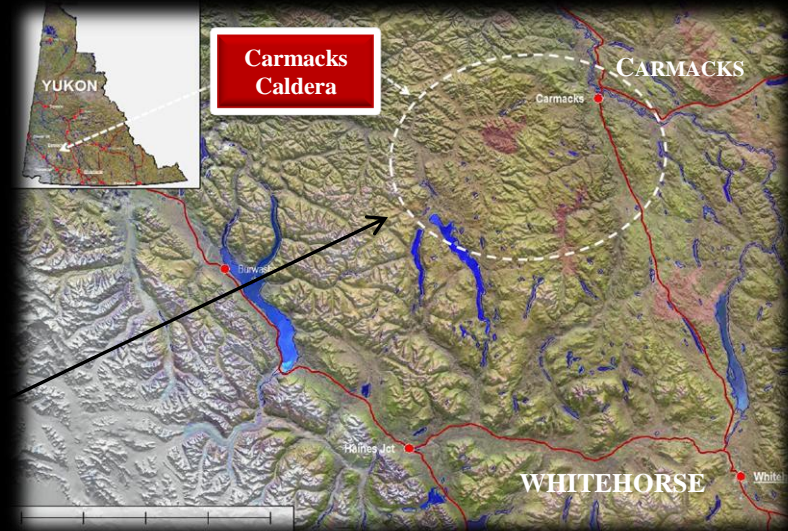
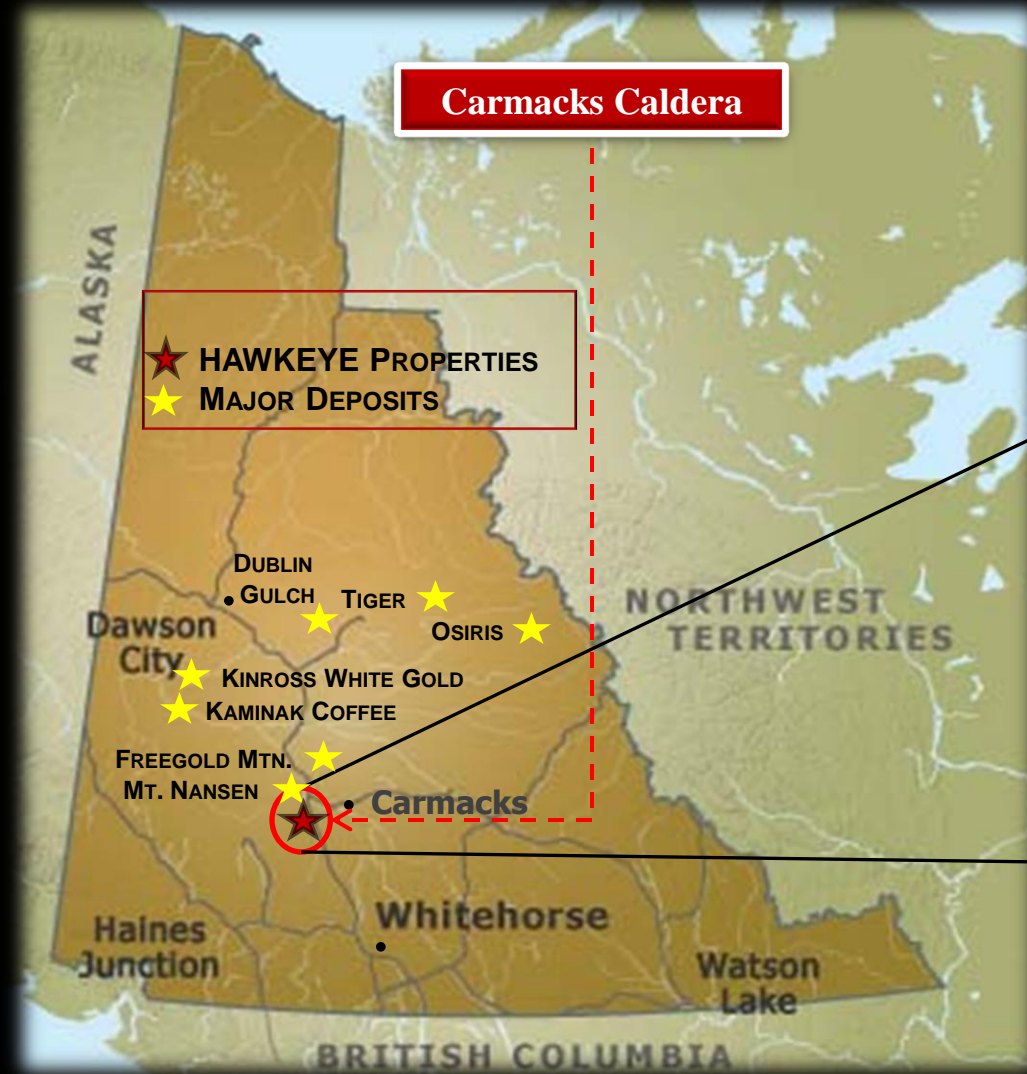
However, companies focusing their attention solely on the White Gold District may be missing opportunities farther a field when considering the geological similarities to the broader mineralizing event that created the Dawson Range Mineral Belt”

*-Bennett, Colpron, Burke -Yukon Geological Survey -July 2010*

“Referring to the CARMACKS CALDERA”



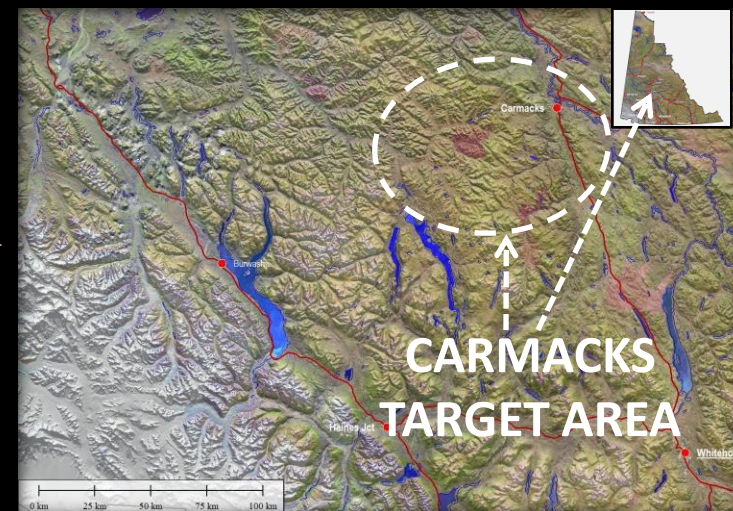
# Carmacks Caldera – New Discovery Area



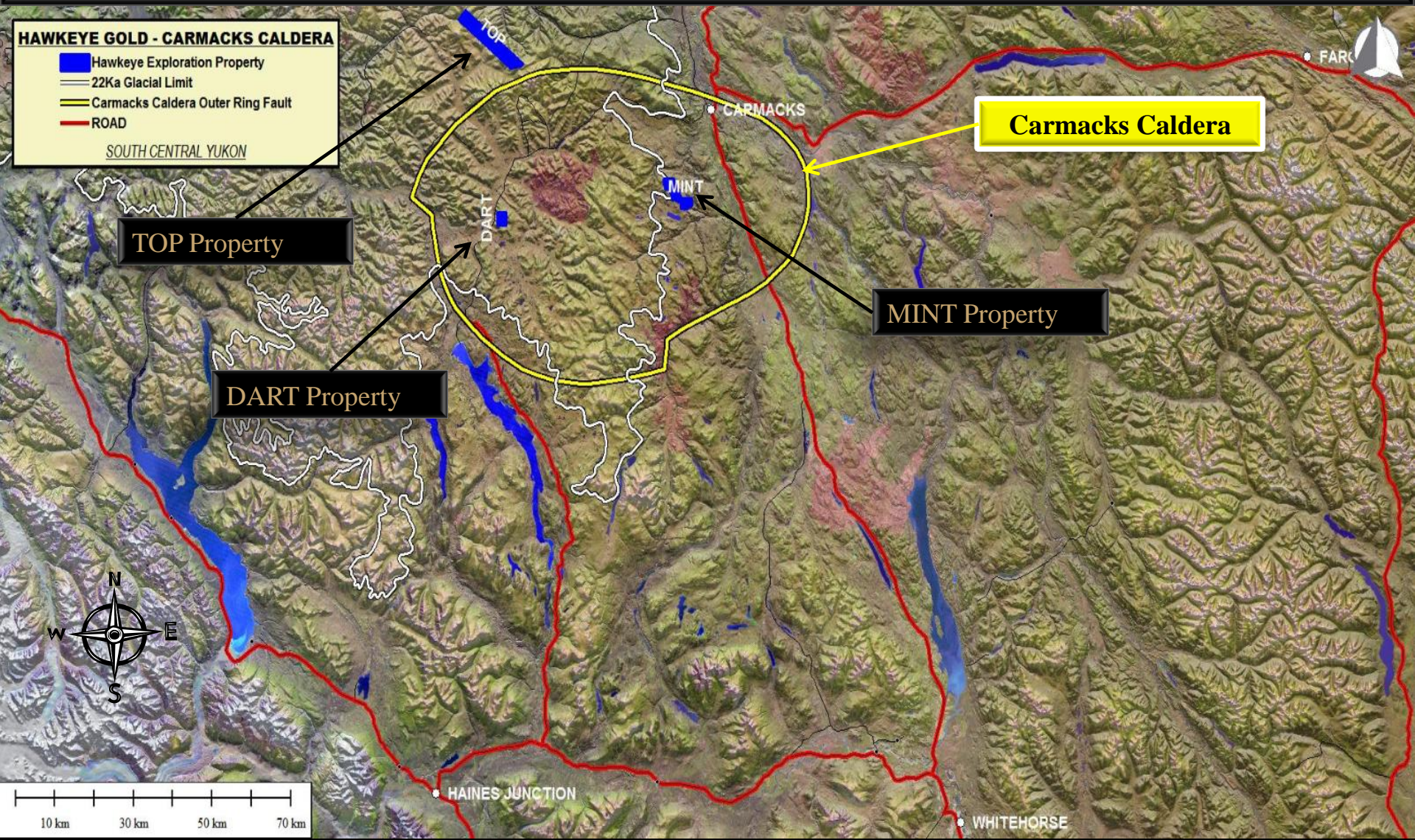
# Carmacks Caldera



- **New Discovery Area**
- **Collapsed Volcano (60km by 1000 km Area)**
- **Strongest Group of Gold Anomalies in the Yukon**
- **Strongest PCA anomaly in the Yukon**
- **Gold Geochemical Profile may be stronger than is reported due to intense surface weathering**
- **Manganese (Mn) Geochemical profile may be reflecting epithermal nature of the area**
- **NW/SE and NE/SW structural trends (similar structures host most Gold Discoveries in Dawson Range)**
- **Mt. Nansen located in the Carmacks Caldera is the richest Au/Ag deposit in Yukon**
  - 446,549 Tons @ 17g/t AuEQ
- **South Yukon >99<sup>th</sup> percentile gold anomalies**



# Hawkeye Properties – Carmacks Caldera



# Potentially Full of Surprises

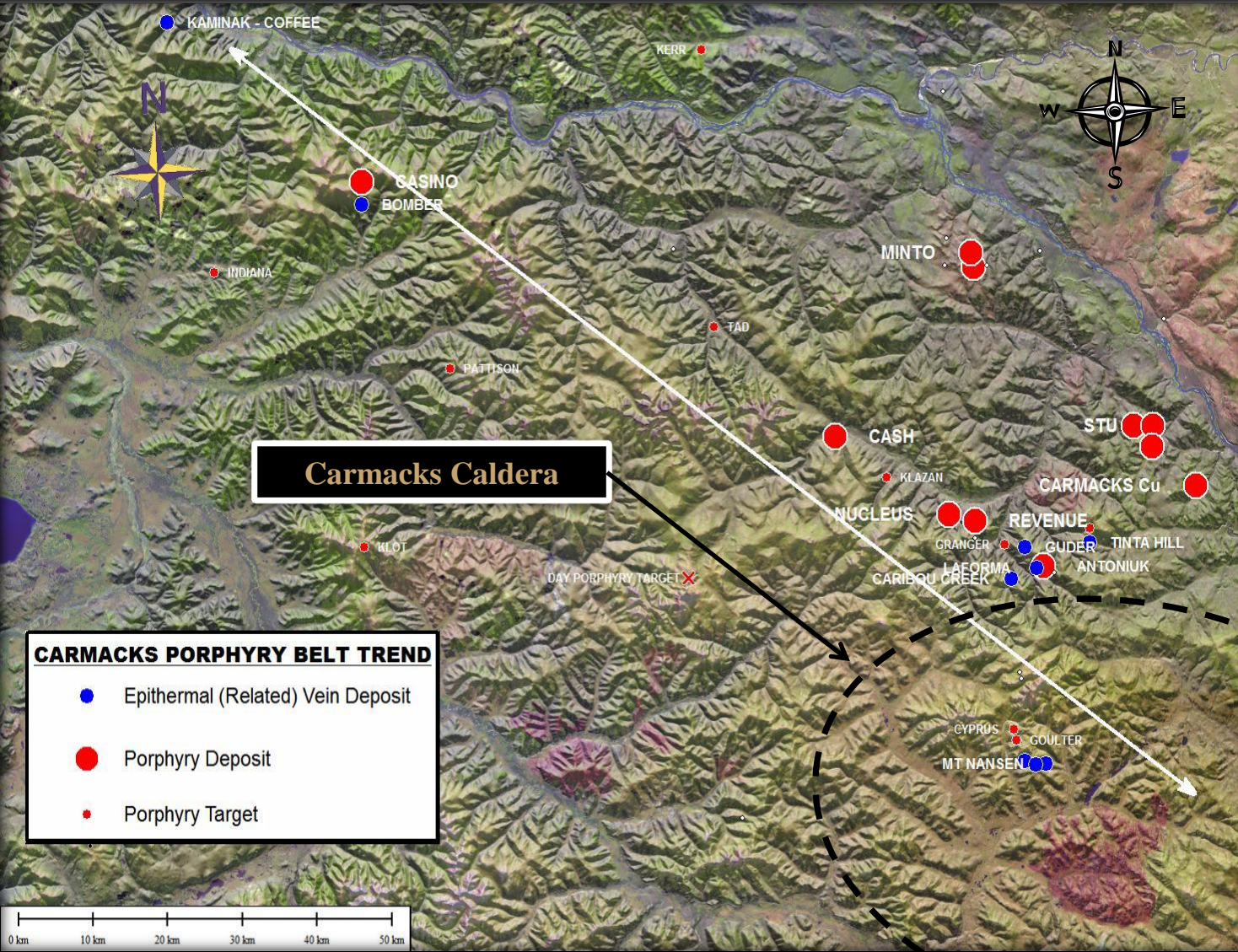


...HOW MANY DEPOSITS WERE FORMED BY A MASSIVE HYDROTHERMAL EVENT THAT AFFECTED THE CARMACKS DISTRICT IN THE LATE CRETACEOUS PERIOD?

Carmacks Caldera



# Carmacks Porphyry Belt Trend



**Carmacks Caldera**

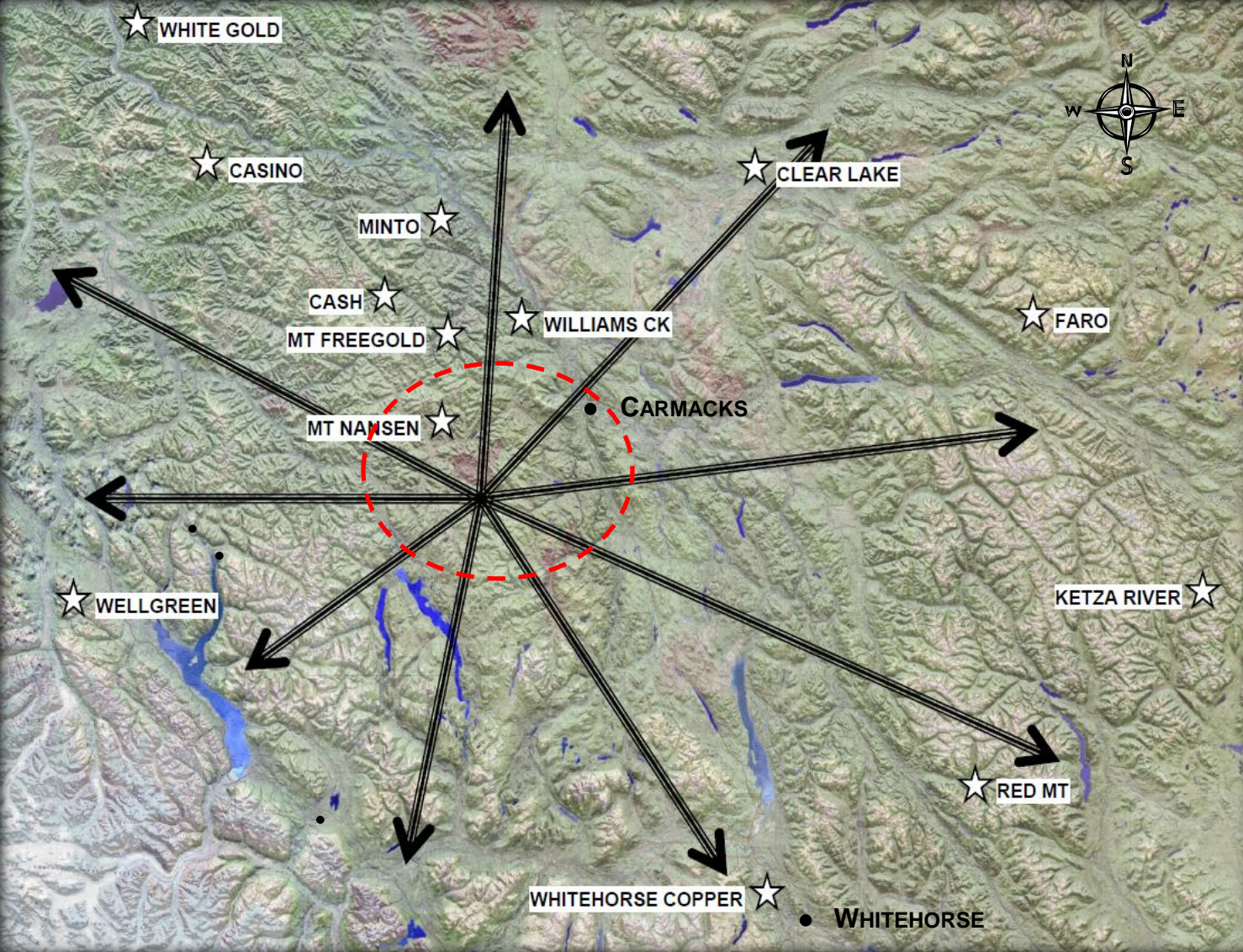
- CARMACKS PORPHYRY BELT TREND**
- Epithermal (Related) Vein Deposit
  - Porphyry Deposit
  - Porphyry Target

**HIGHEST DENSITY OF PORPHYRY AND EPITHERMAL DEPOSITS FOUND IN THE YUKON**



**MATURE – BUT ONLY SCRATCHING THE SURFACE**

# Carmacks Caldera



**VAST UNTAPPED  
POTENTIAL**



MINTO MINE

- ★ ORE DEPOSIT DEVELOPMENT
- CARMACKS CALDERA

# Carmacks Area Research has shown...



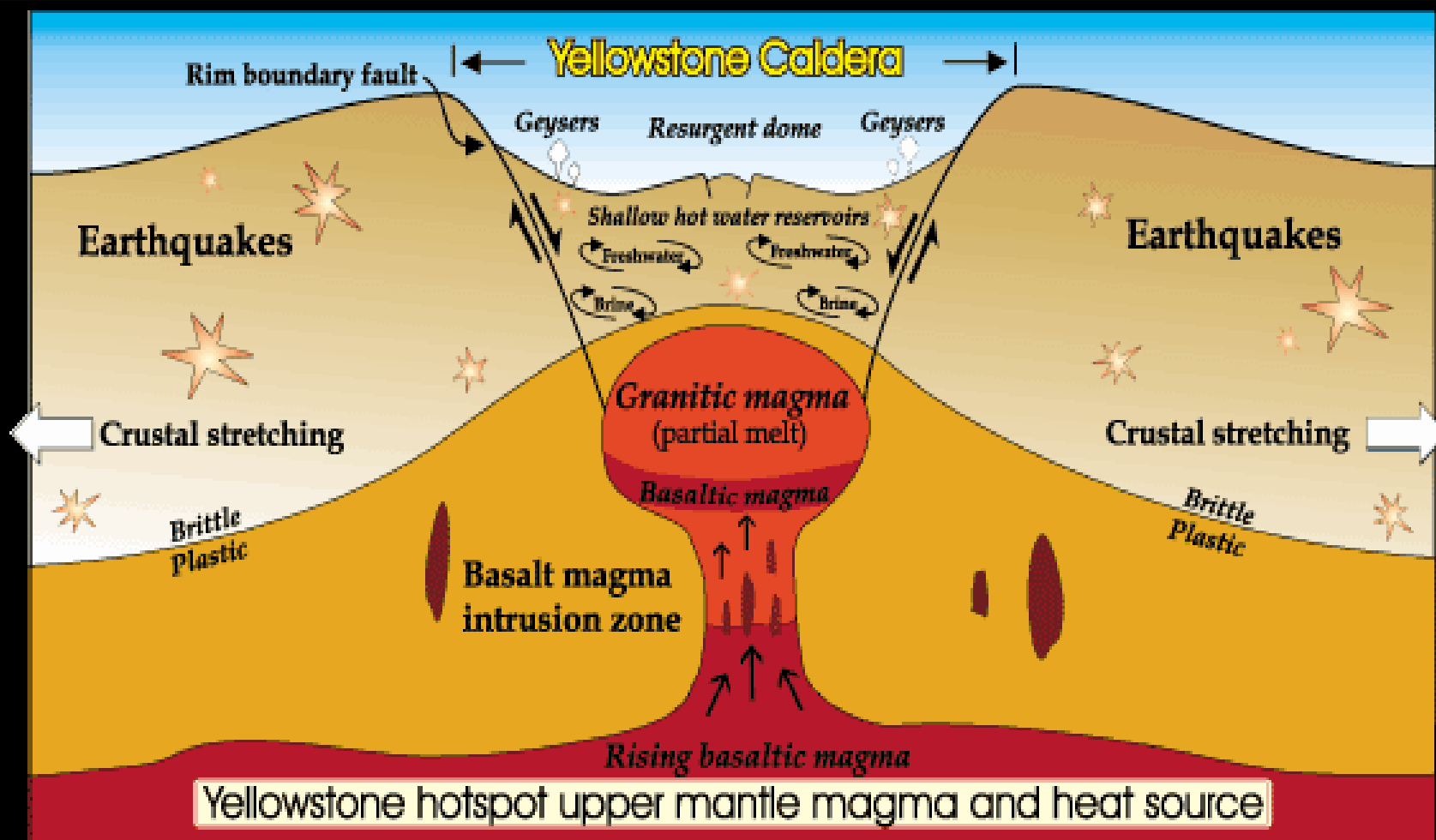
**MESTALLOGENY OF  
EPITHERMAL GOLD AND BASE METAL VEINS OF THE  
SOUTHERN DAWSON RANGE, YUKON**

**BY  
KATHERINE A. SMUK**

**DEPARTMENT OF EARTH AND PLANETARY SCIENCES  
MCGILL UNIVERSITY  
MONTREAL, QUEBEC, CANADA**

**MARCH 1999**

# Huge Magmatic Event Occurred at Carmacks



The hydrothermal event was similar in nature and size to that occurring today in Yellowstone Park.....

# Carmacks Area Research has shown...



## Hydrothermal Event formed Gold Deposits

“The results of this study provide evidence for a regional metallogenic event related to late cretaceous shoshonitic volcanism, which resulted in the development of epithermal gold and base metal-rich veins transitional between low and high sulphidation types.

The intense alteration and paleo-magnetic resetting of pre-existing country rocks provide evidence for a large scale hydrothermal system through the southern Dawson Range driven by the Carmacks Magmatic Event”

*Katherine A. Smuk 1999*

# Carmacks Area Research has shown...



“To date our understanding of the overprinting Late Cretaceous magmatic event is limited.....”

*Bennett, Colpron, Burke - Yukon Geological Survey - July 2010*

“The similarity in structural geometry from NW to SE through the Dawson Range Mineral Belt indicate the presence of a much larger system than previously recognized, however the sources of the gold bearing fluids remain enigmatic”

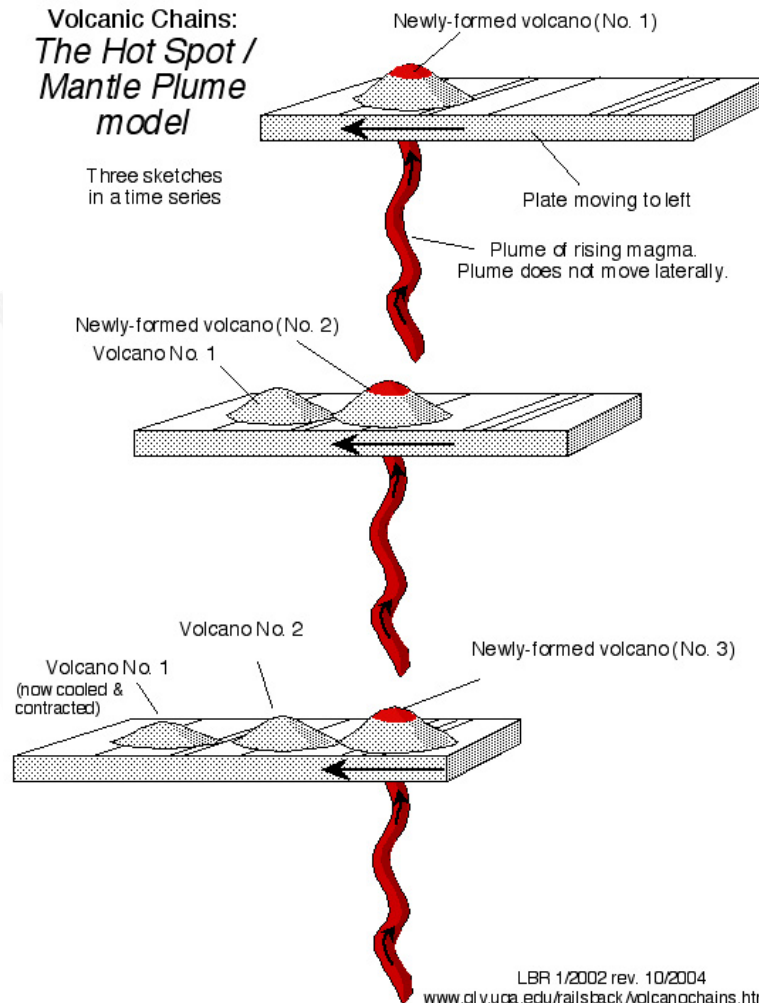
*Bennett, Colpron, Burke - Yukon Geological Survey July 2010*

# Carmacks Heat Source a Mantle Plume



## Volcanic Chains: *The Hot Spot / Mantle Plume model*

Three sketches  
in a time series



# Carmacks Mantle Plume



“In the Yukon, gold mineralization is related to the Carmacks volcanic units and coeval hydrothermal alteration.

A genetic model linking gold mineralization to hot spot related hydrothermal activity is suggested.

New exploration models, based on this linkage, may assist in the identification of additional gold mineralization in Yukon”.

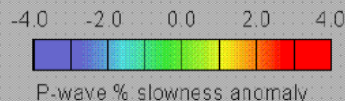
*S.T. Johnston et al - Yellowstone in Yukon – 1996*

Canada/Yukon Geoscience Office  
Geological Survey of Canada Earth and Planetary Sciences  
McGill University; Department of Geology  
Western Washington University

# Mantle Plume – Geophysical Section

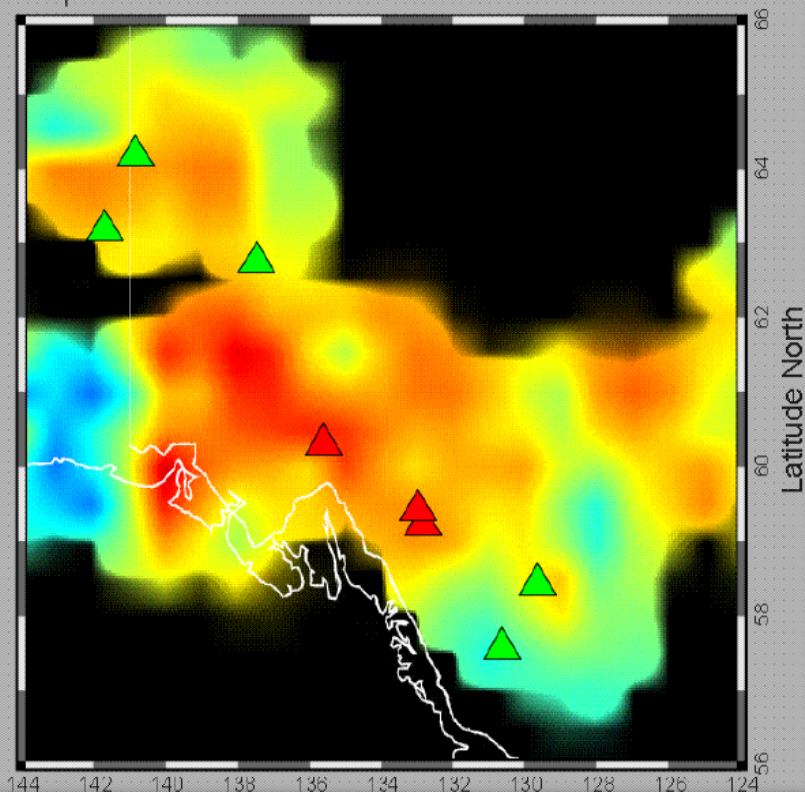


## Mantle Beneath Northern Canadian Cordillera



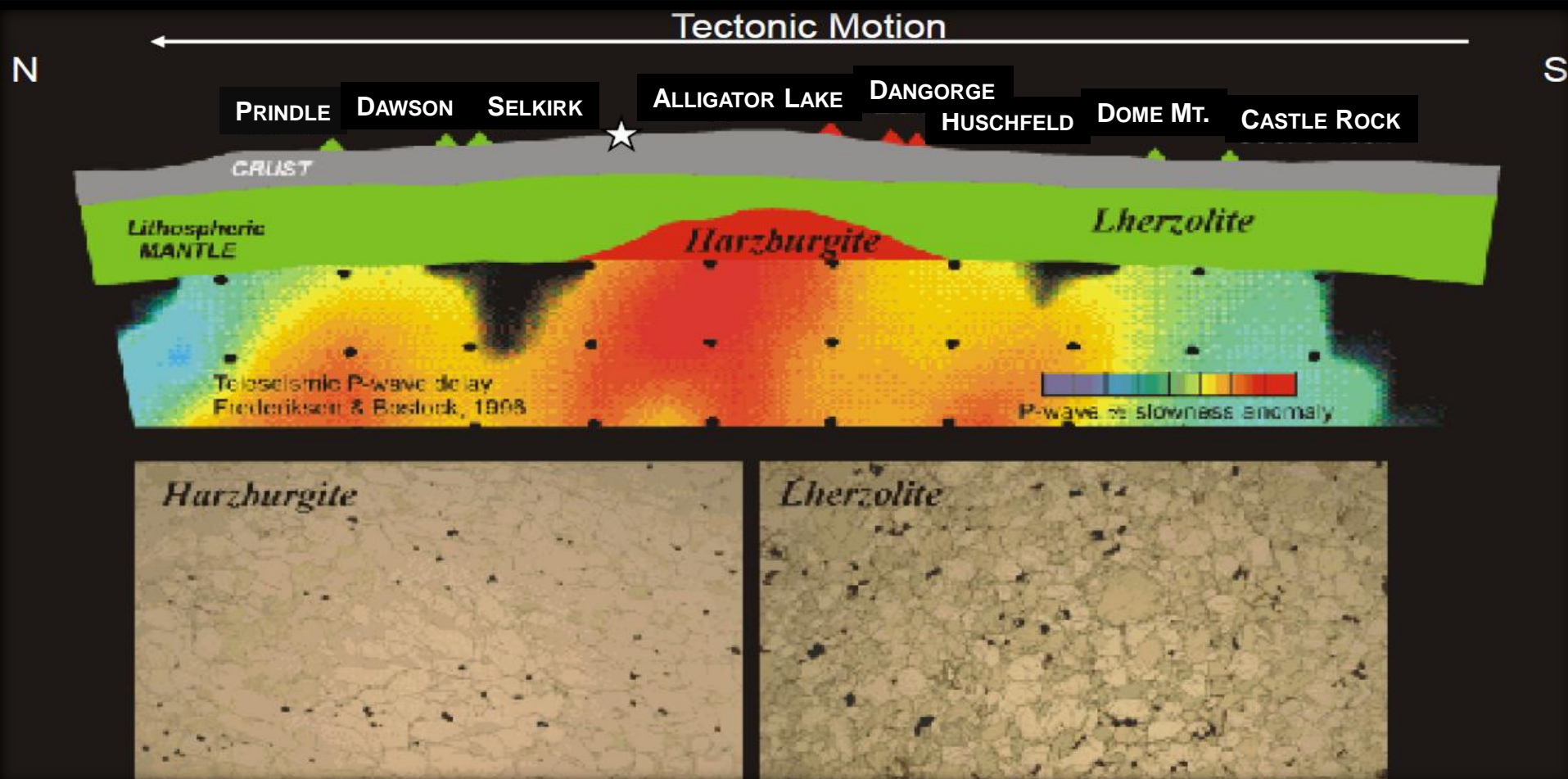
Horizontal Plan

depth: 200 km



“A zone of anomalously Slow (hot?) mantle detected telseismically by Frederiksen & Bostock, 1996”

# Mantle Plume – Geophysical Section

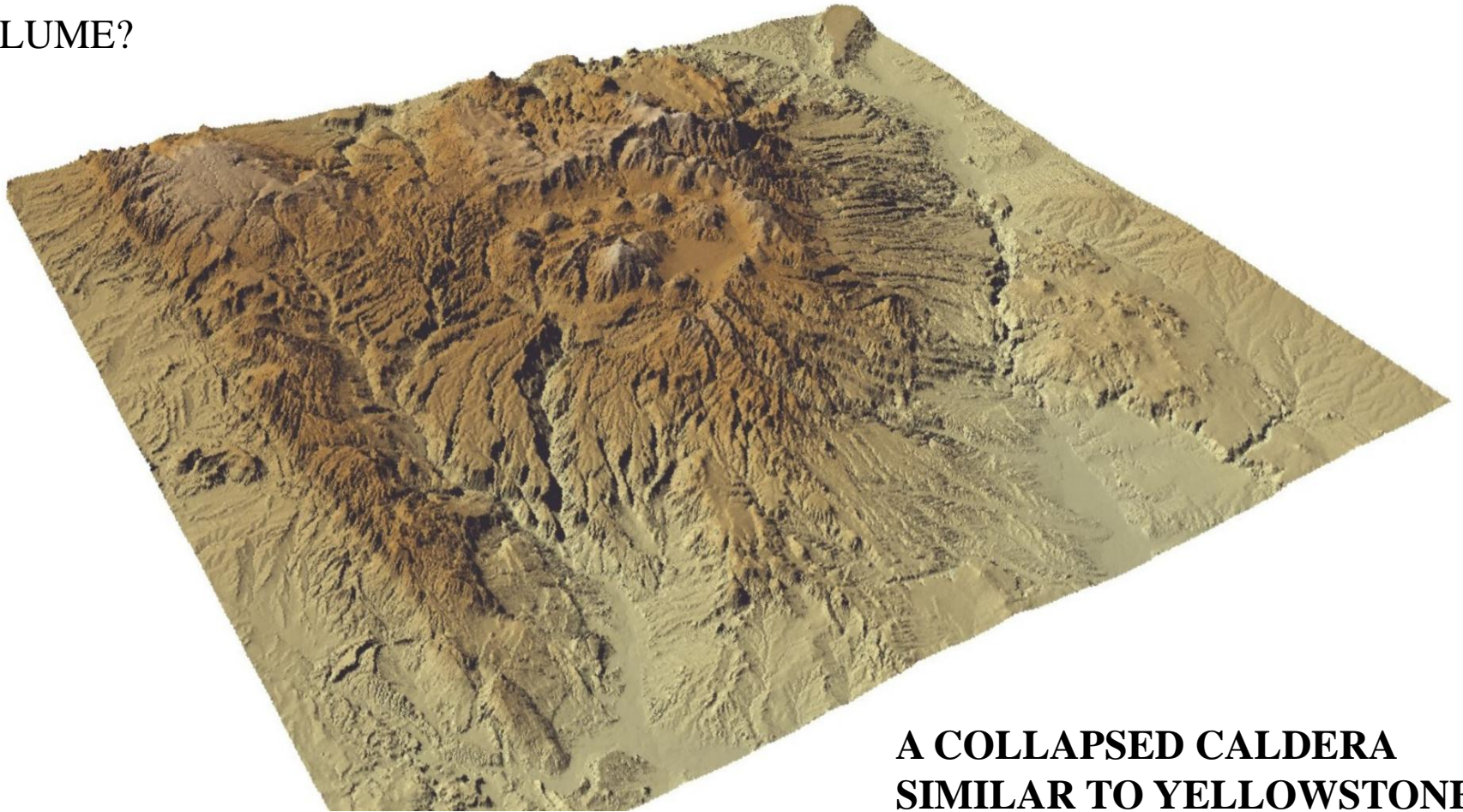


- The zone of hot mantle appears to extend to depths of 600 km
- The 500 km OFFSET is widely acknowledged by – YGS hypothesis

# Collapsed Caldera Similar to Yellowstone!



WHAT GEOLOGICAL SURFACE EXPRESSION  
COULD MANIFEST ABOVE A MANTLE  
PLUME?



**A COLLAPSED CALDERA  
SIMILAR TO YELLOWSTONE!**

# Lihir Island Collapsed Caldera



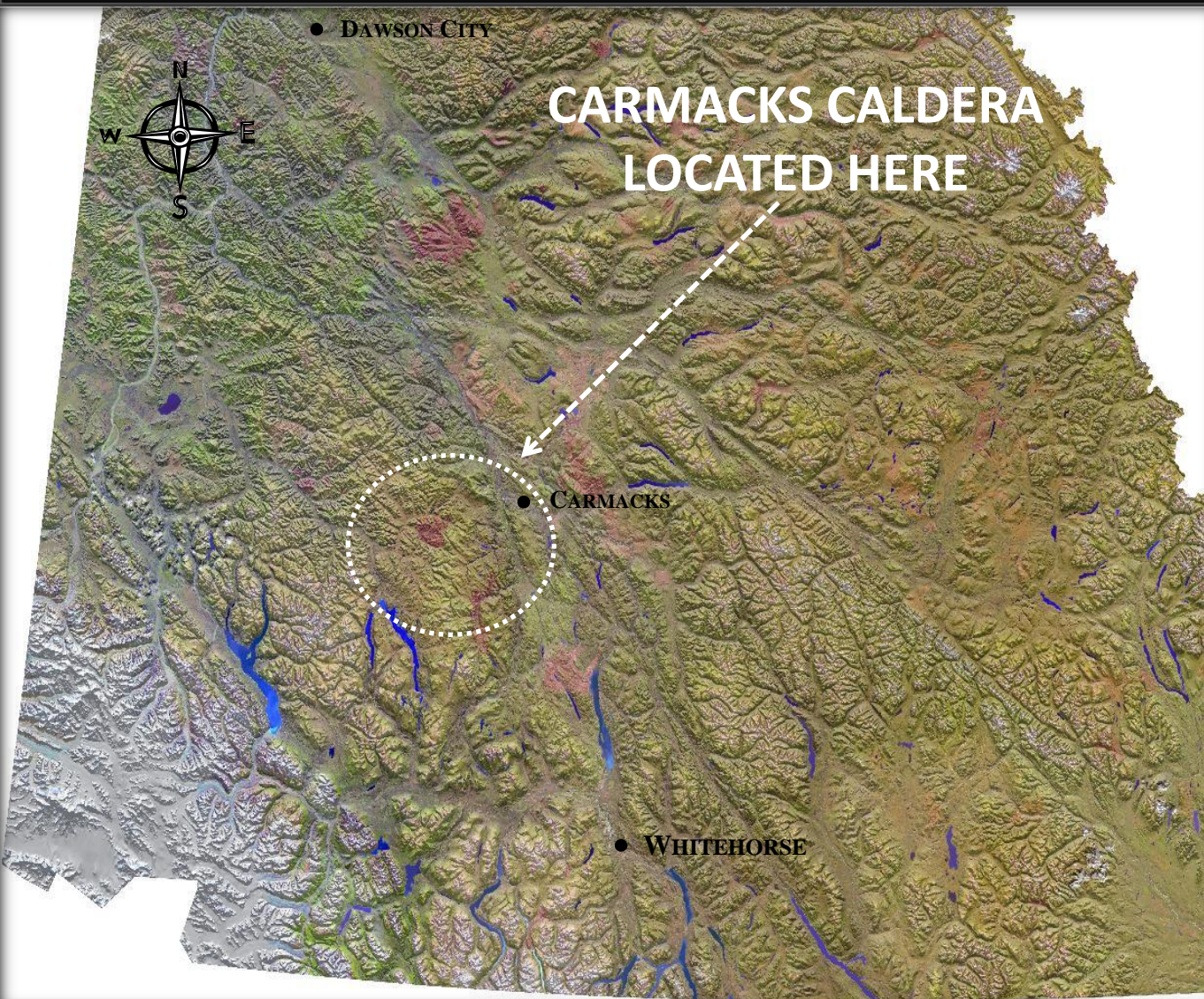
**LIHIR ISLAND LOCATED IN PAPUA, NEW GUINEA**



**Ladolam Gold Deposit  
65 MILLION OZ**

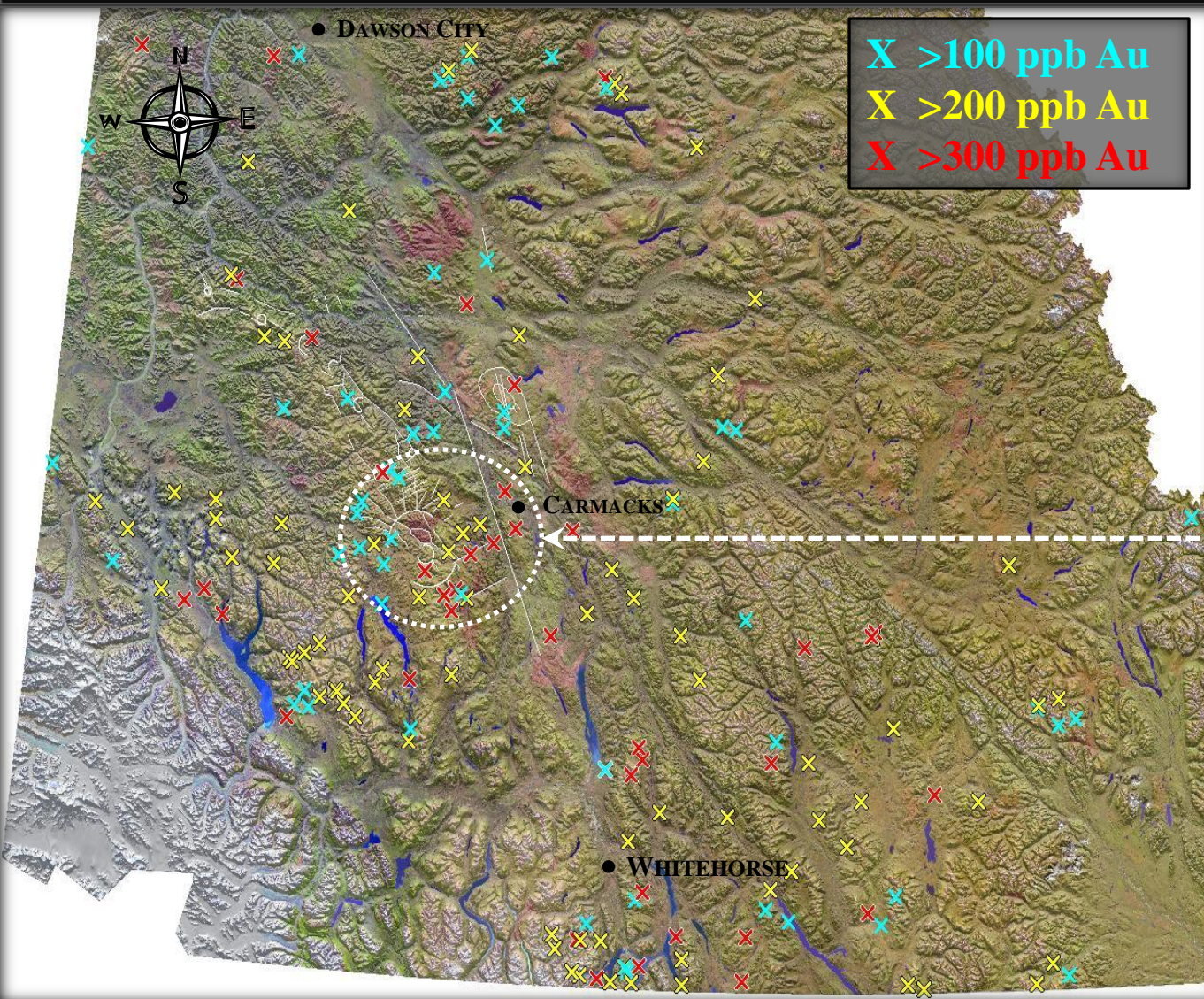
Many economically important ore deposits in the western United States and in other parts of the world, are found within Collapsed Calderas

# Carmacks Collapsed Caldera



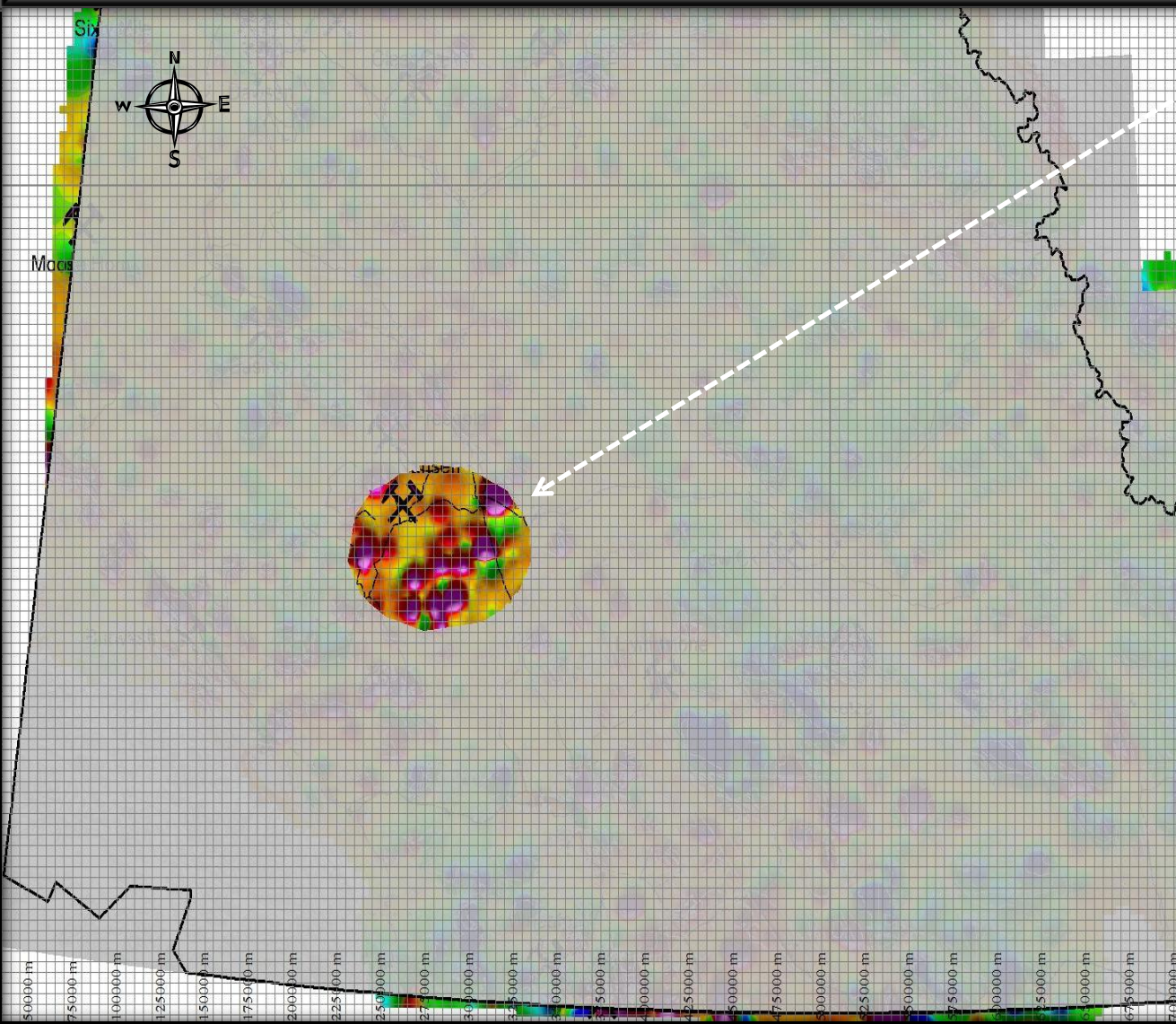
- New Discovery Area
- Collapsed Volcano (60 km by 100 km Area)
- Strongest Group of Gold Anomalies in the Yukon
- Strongest PCA anomaly in the Yukon
- Manganese (Mn) Geochemical profile may be reflecting epithermal nature of the area

# Carmacks Collapsed Caldera (cont'd)



- South Yukon >99<sup>th</sup> Percentile Gold Anomalies
- Strongest Group of Gold Anomalies in the Yukon

# Aurora Geosciences – RGS PCA Analysis



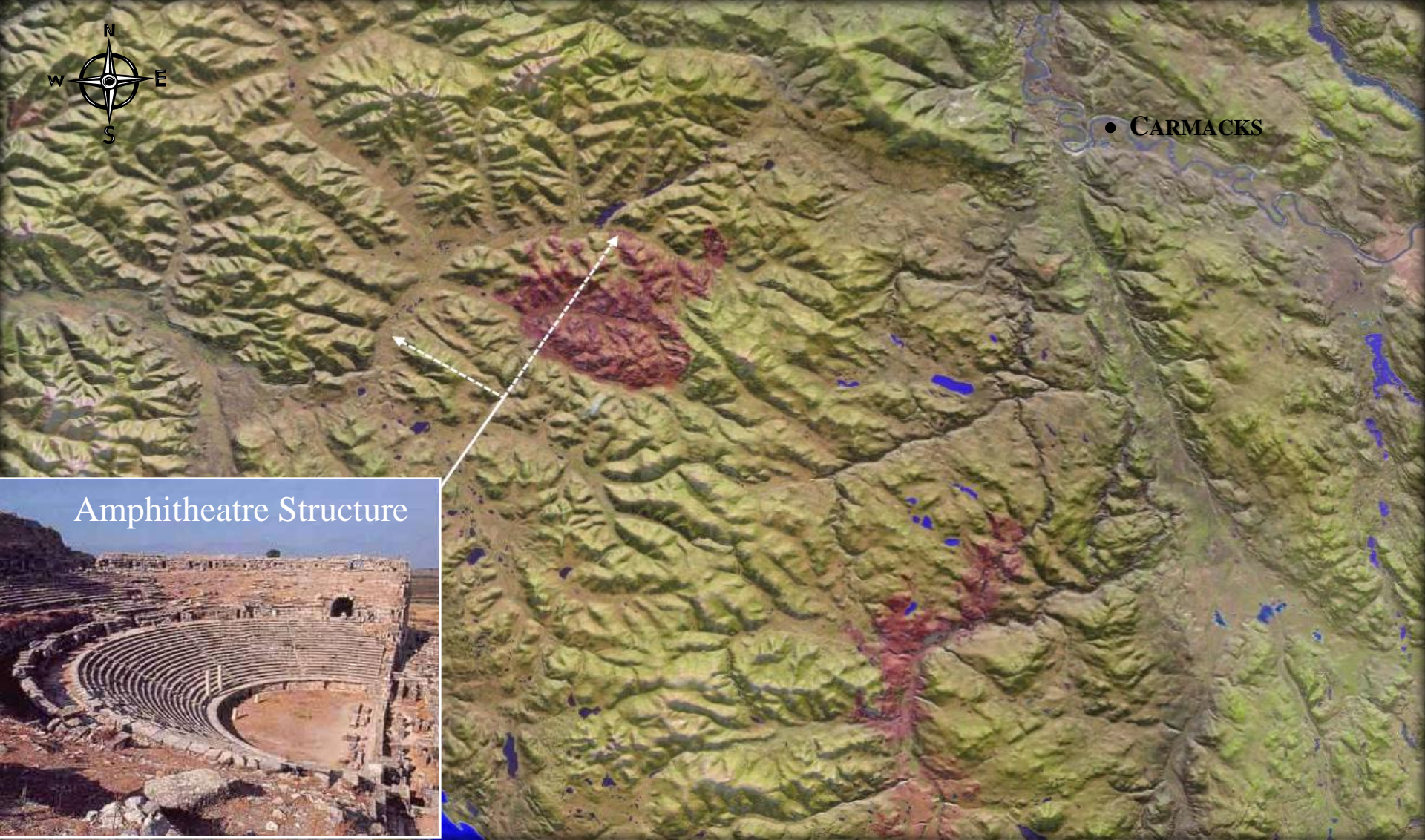
- Caldera has Strongest PCA (Principal Component Analysis) Anomaly in Yukon
- Au-U-Pb-Mo Dominant Principal Component in Analysis of Stream Sediments



# Caldera - Structure Structure Structure



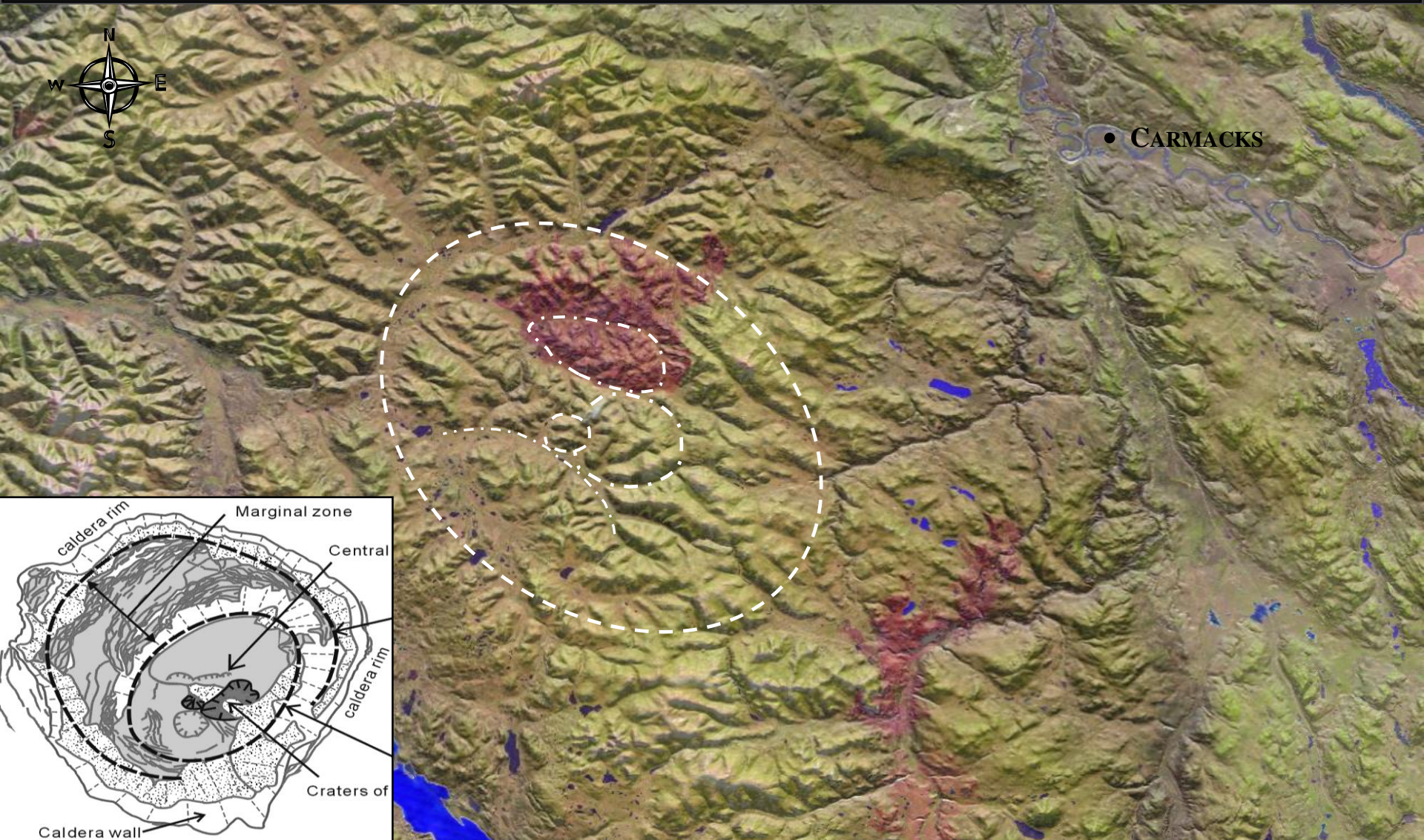
• CARMACKS



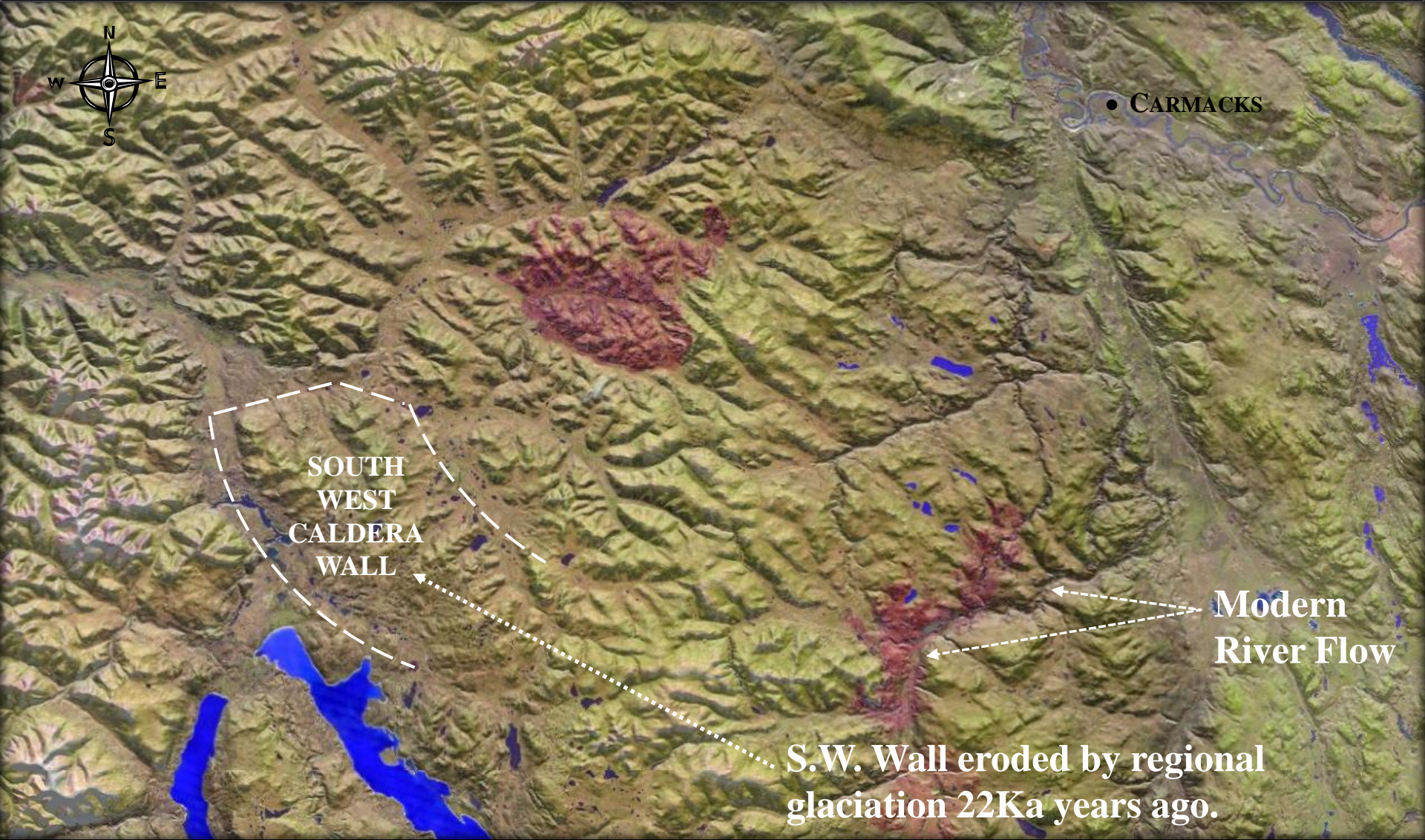
Amphitheatre Structure



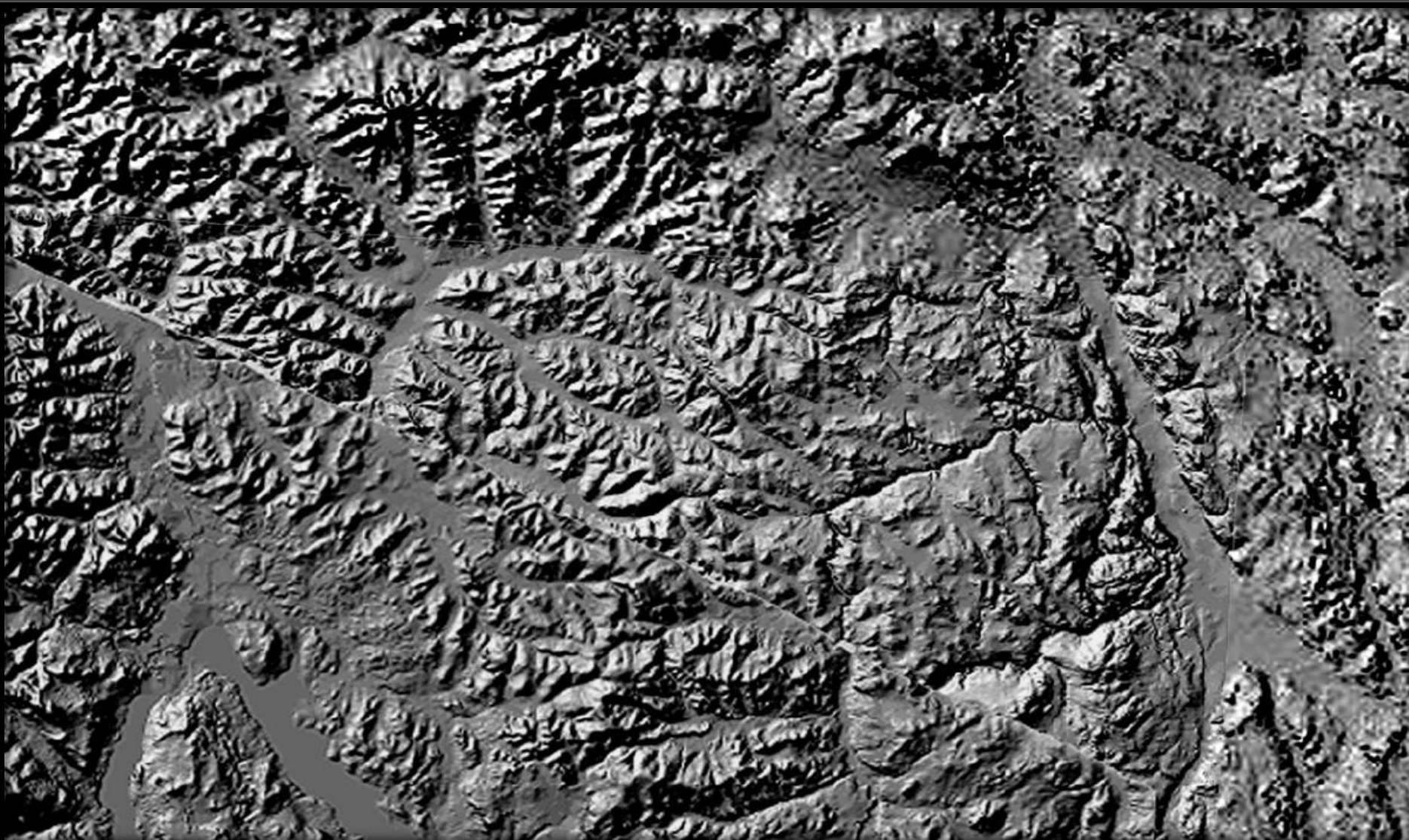
# Interior Structures / Vents / Domes



# Caldera - South West Wall



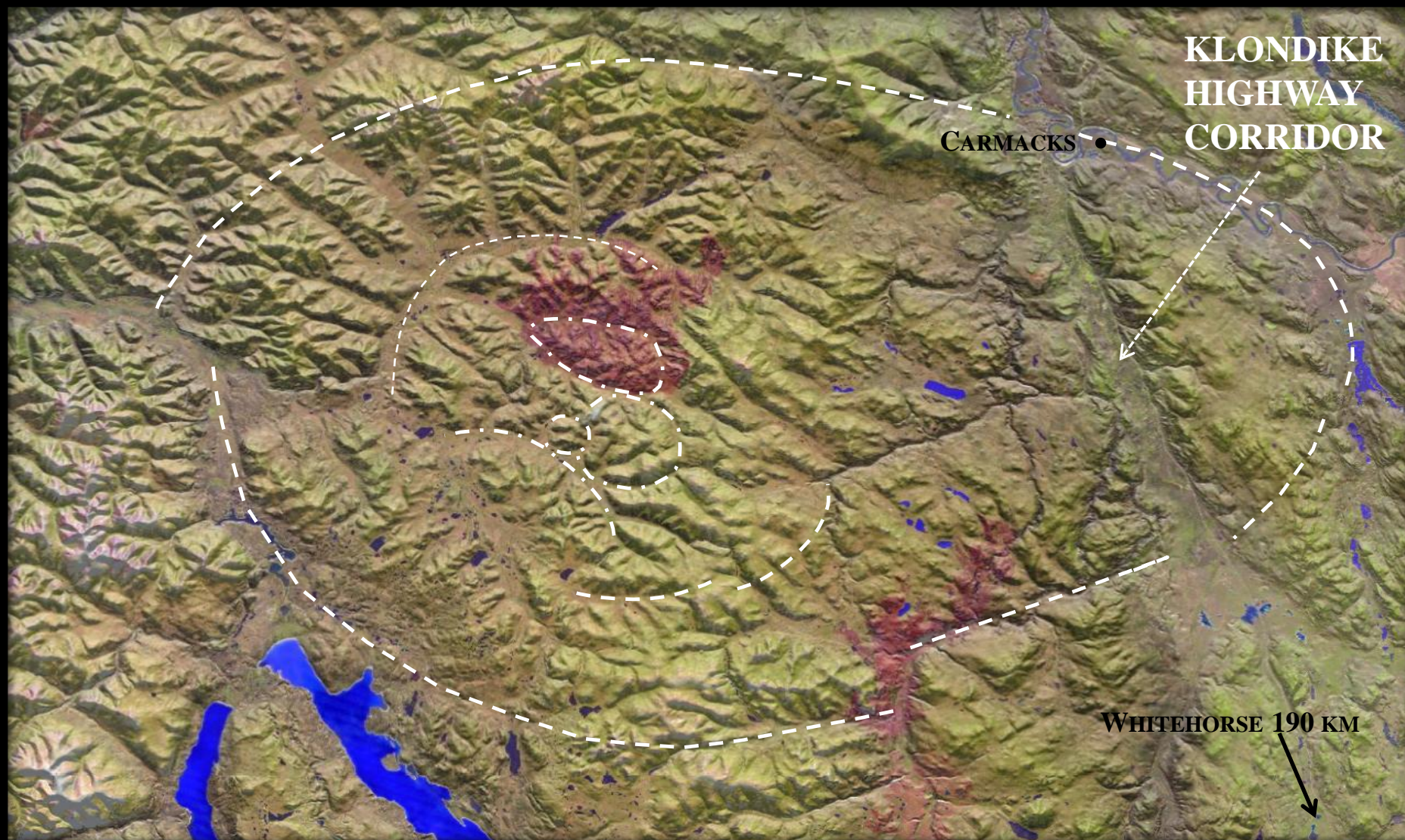
# Caldera - Shaded Relief



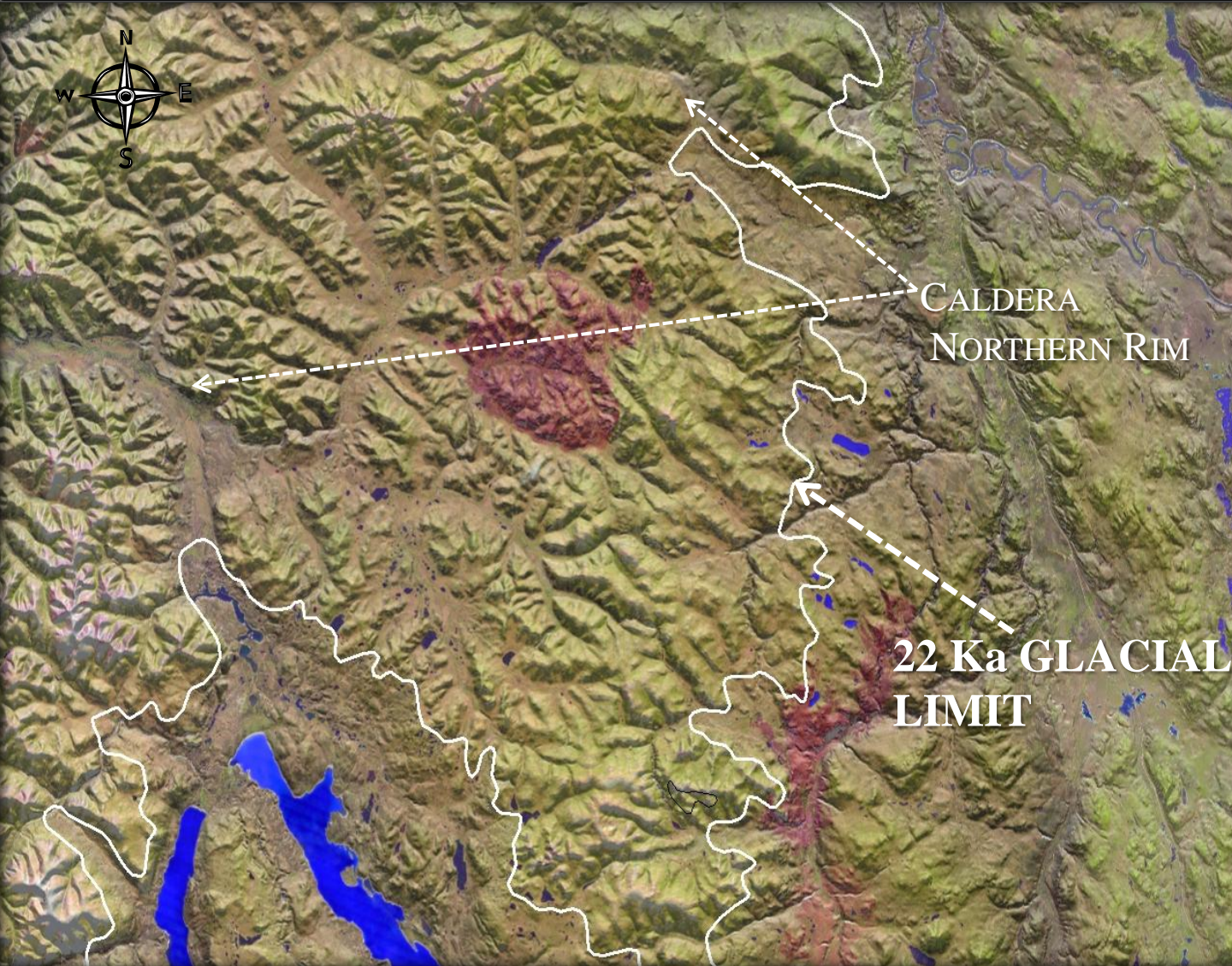
# Caldera - Shaded Relief



# General Outline of Caldera Today

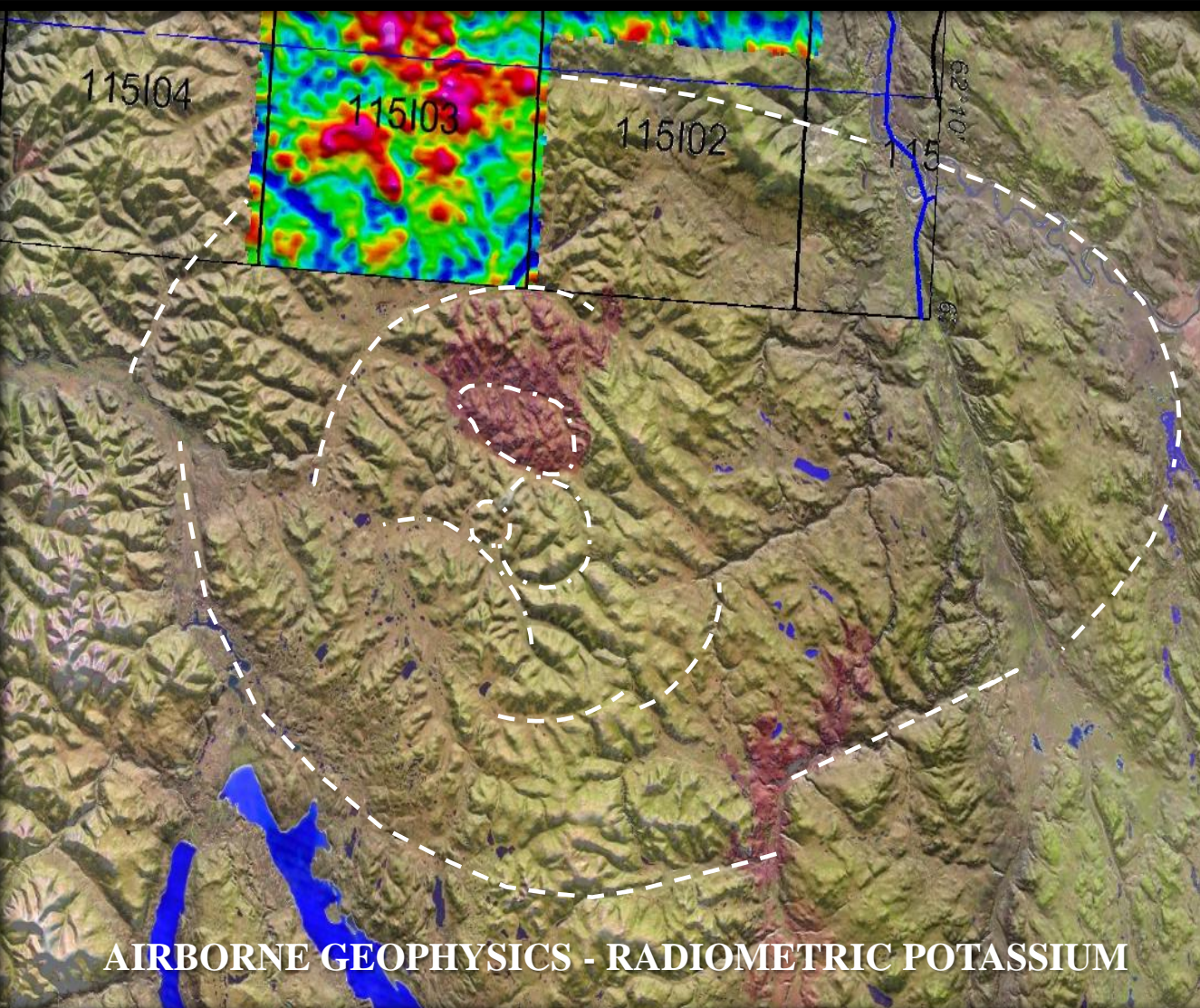


# Caldera - Glacial Erosion Of Rim



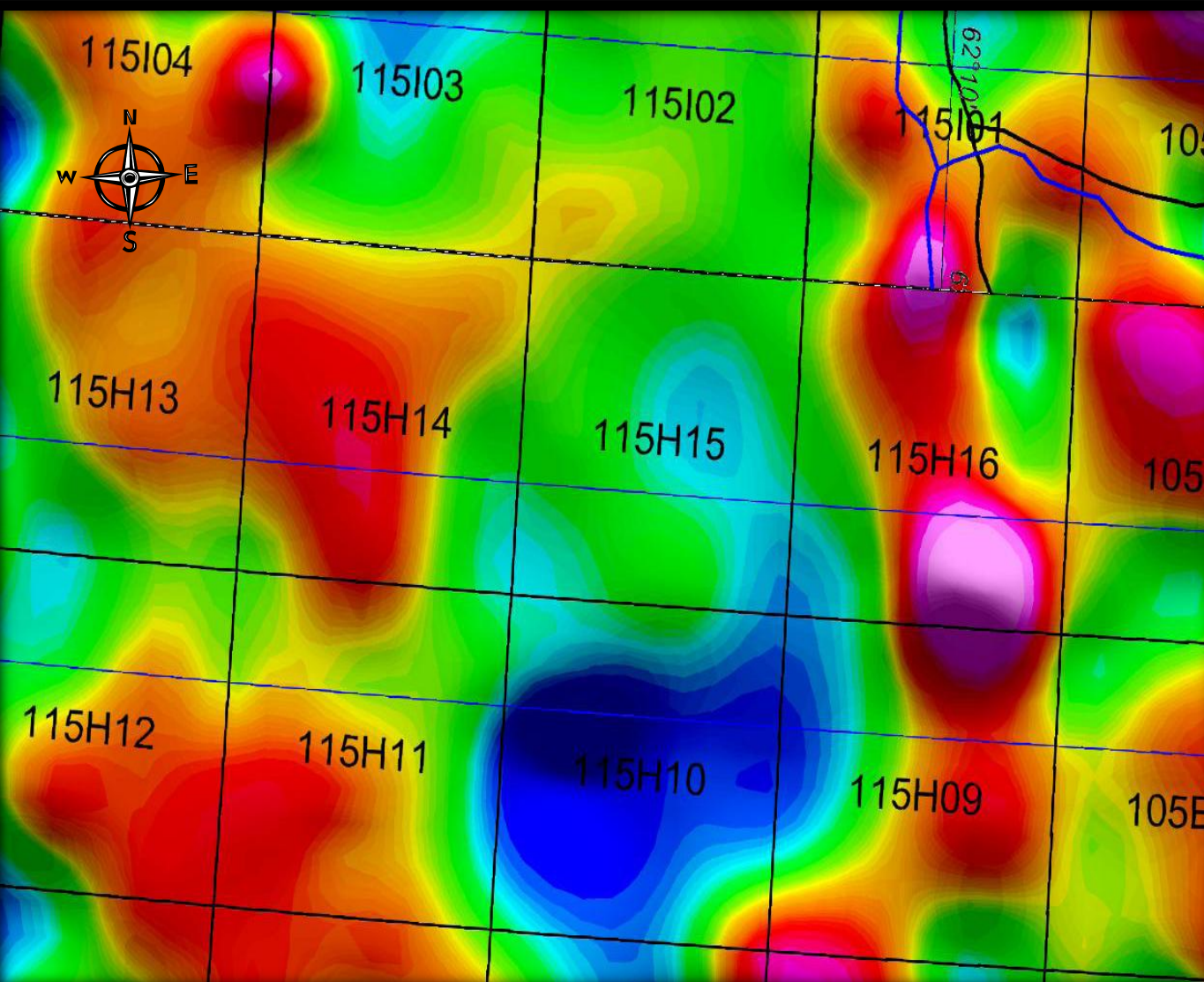
- A glacier 22 Ka years ago eroded over half of the Caldera Away
- If the glacier had molded its way around to and eroded the northern rim ... nobody would have found the Caldera...
- Central and Northern portion of Caldera is unglaciated
- Glaciated area was affected by regional and not continental glaciation

# Caldera - Outer Rim Evidence



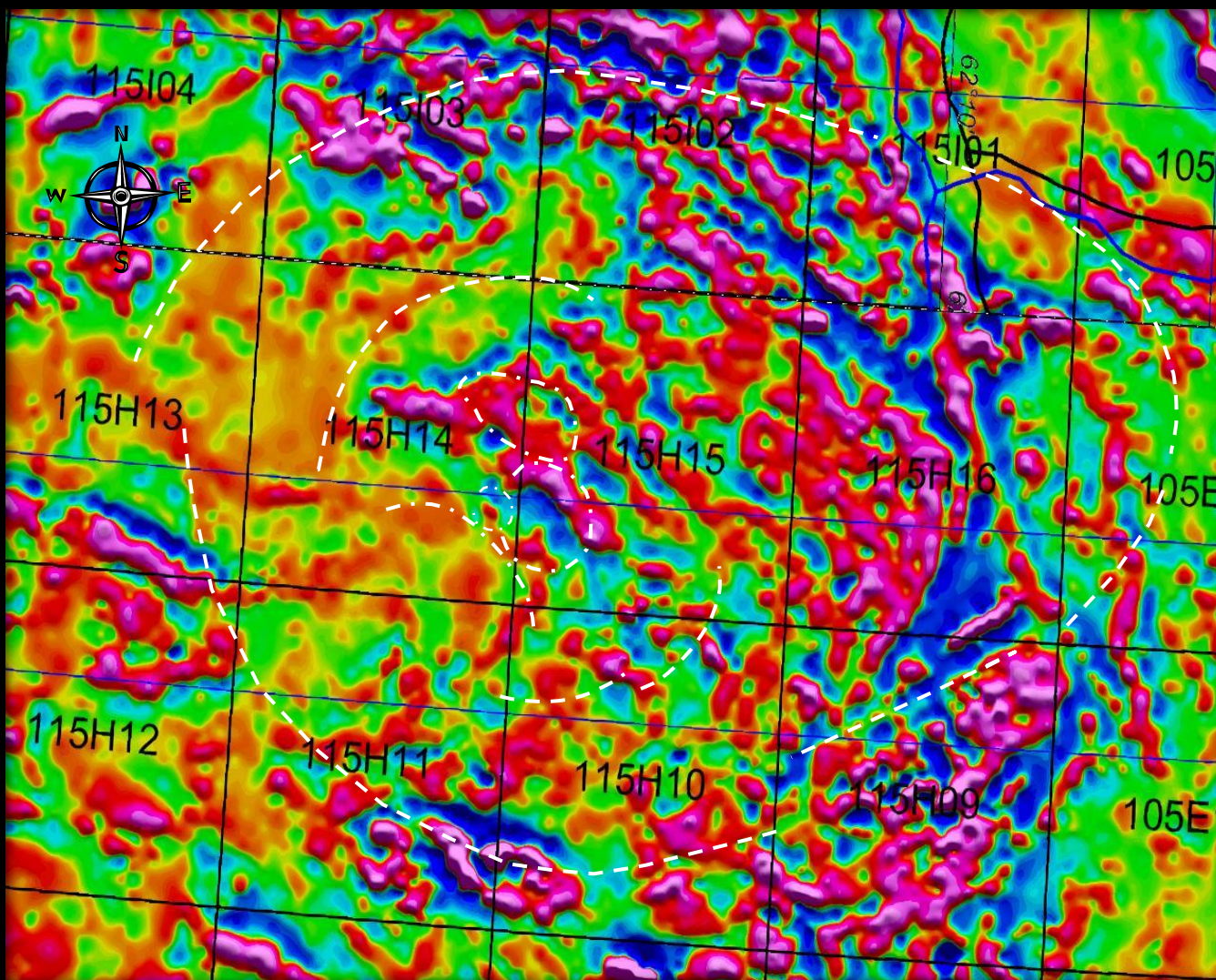
- Here is evidence of the outer ring dyke (rim) of the Caldera from a 1995 Airborne Survey
- Potassic alteration is the most common type of alteration associated with the core zones of many intrusion related gold deposits
- The arcing potassic signature in this slide is most likely the result of hot potassium rich fluids coming up along the outer ring dyke and as a result has caused potassic alteration to these areas
- Mt. Nansen gold deposits are located in NTS 115I03

# Caldera Gravity Signature



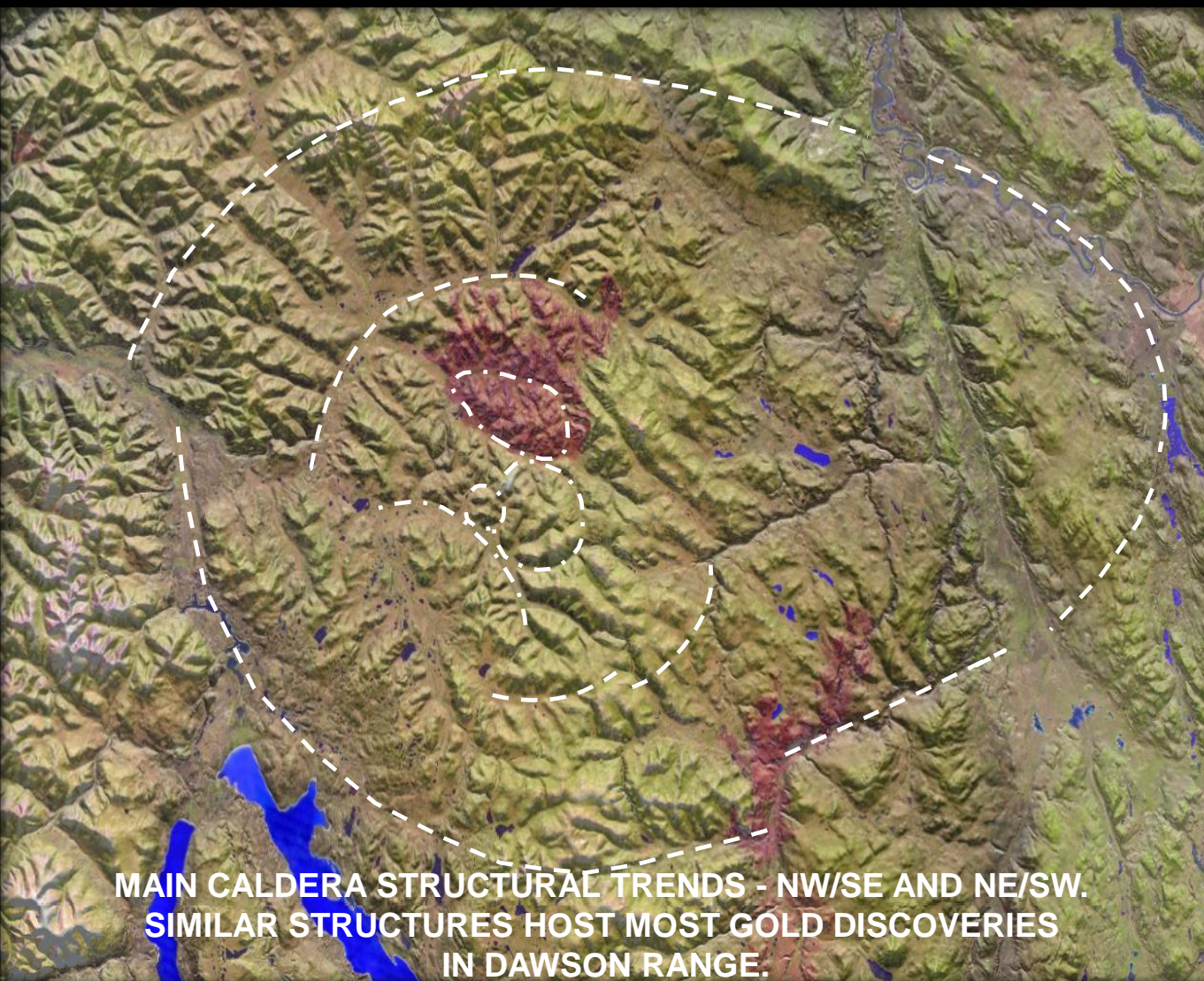
- All Calderas, even more so, large Calderas have a granitic intrusive body directly beneath the volcanic center
- In the Dawson Range granitic intrusive bodies are highlighted by gravity lows
- The gravity low (left circular shape) beneath the Caldera center is an indication that we are on top of a large Caldera
- The intrusion is “the source” for all the mineralization that will be found within the target area.

# Caldera Magnetic Signature



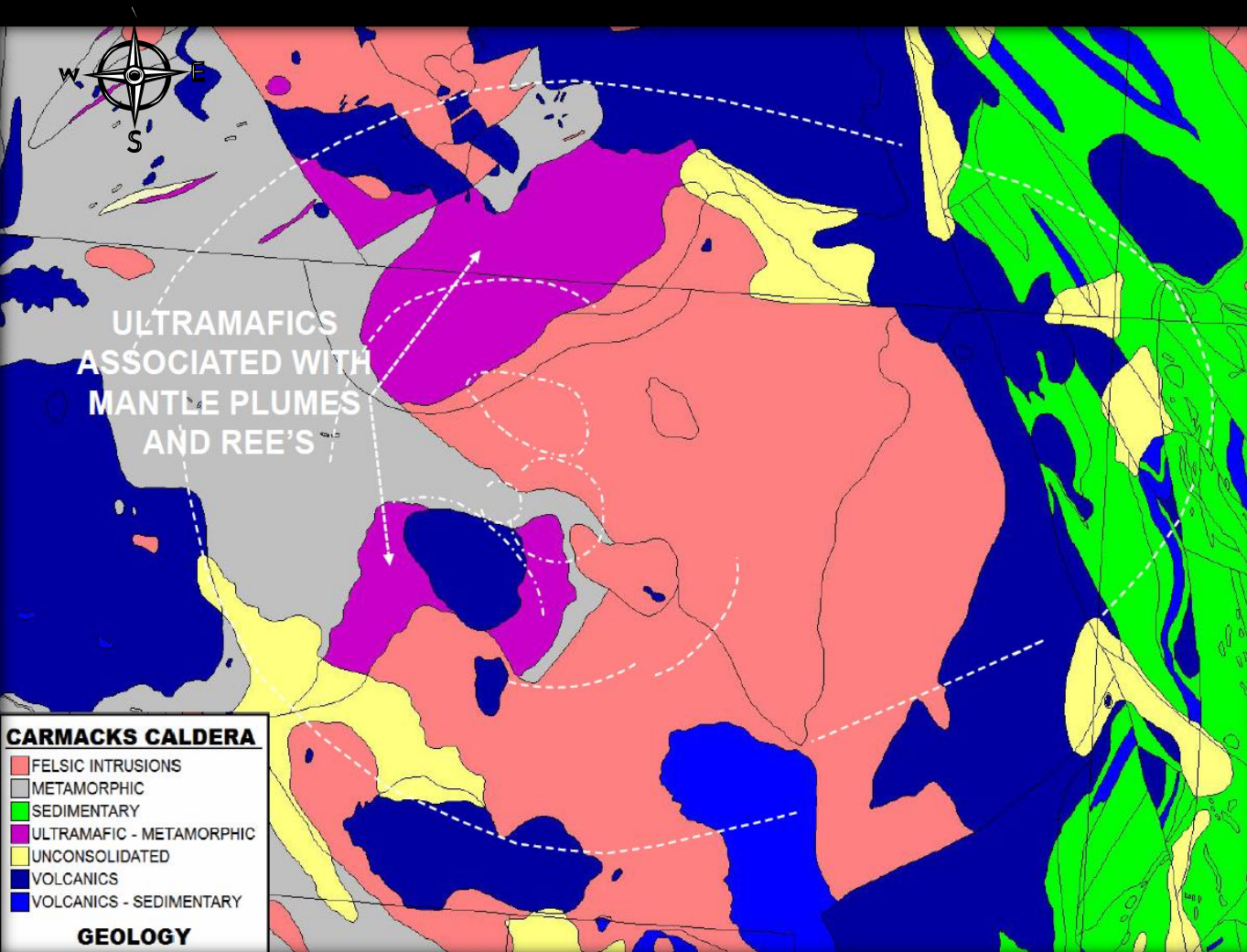
- Magnetic Signature curves with the shape of the Caldera
- There are many targets within the boundaries of the Caldera
- The Central “Gas Pump Handle” Anomaly is a Main Target
- HAWKEYE Claims lay within “Gas Pump Handle” (NTS 115H14; 115I03; 115H15) with claims over Magnetic Highs that occur along Structures and at Structural Junctions
- The Richest Deposit in the Yukon found at Mt Nansen – the Brown-McDade Zone occurs within a Magnetic High along the edge of a Northwest Trending Structure

# Caldera - Outstanding Structure



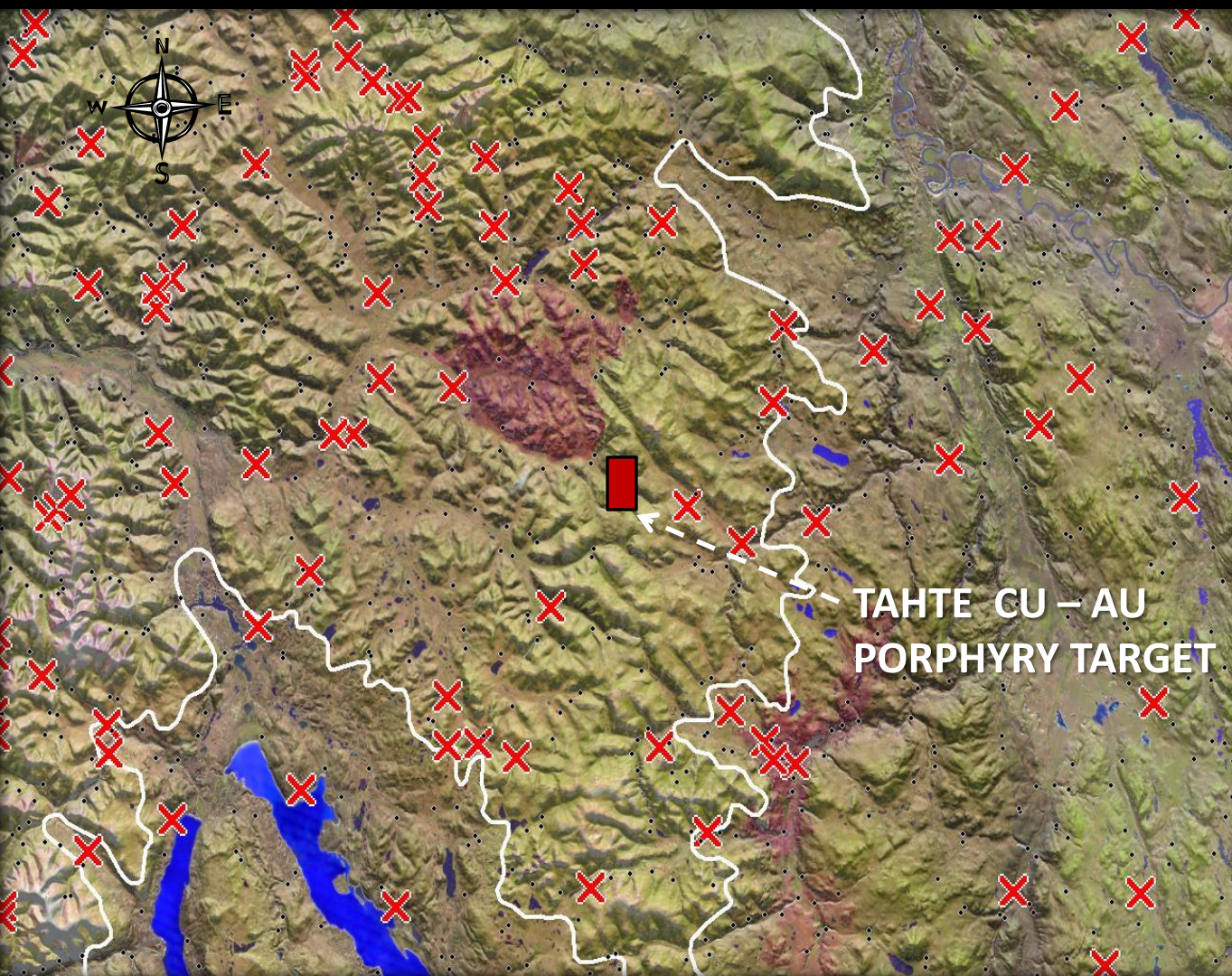
- The Caldera has fabulous structural potential
- Both the Landsat Imagery and regional Magnetics show elongated NW trending lineaments that cut through the center of the Caldera
- NW trending structures are the main structural trends that hosts mineralization at the White Gold, Coffee, Casino, Mt Freegold discoveries and at Mt. Nansen
- Secondary NE trending structures have also been linked to gold deposition in the Dawson Range
- The Caldera has both of the these trends

# Caldera Geology



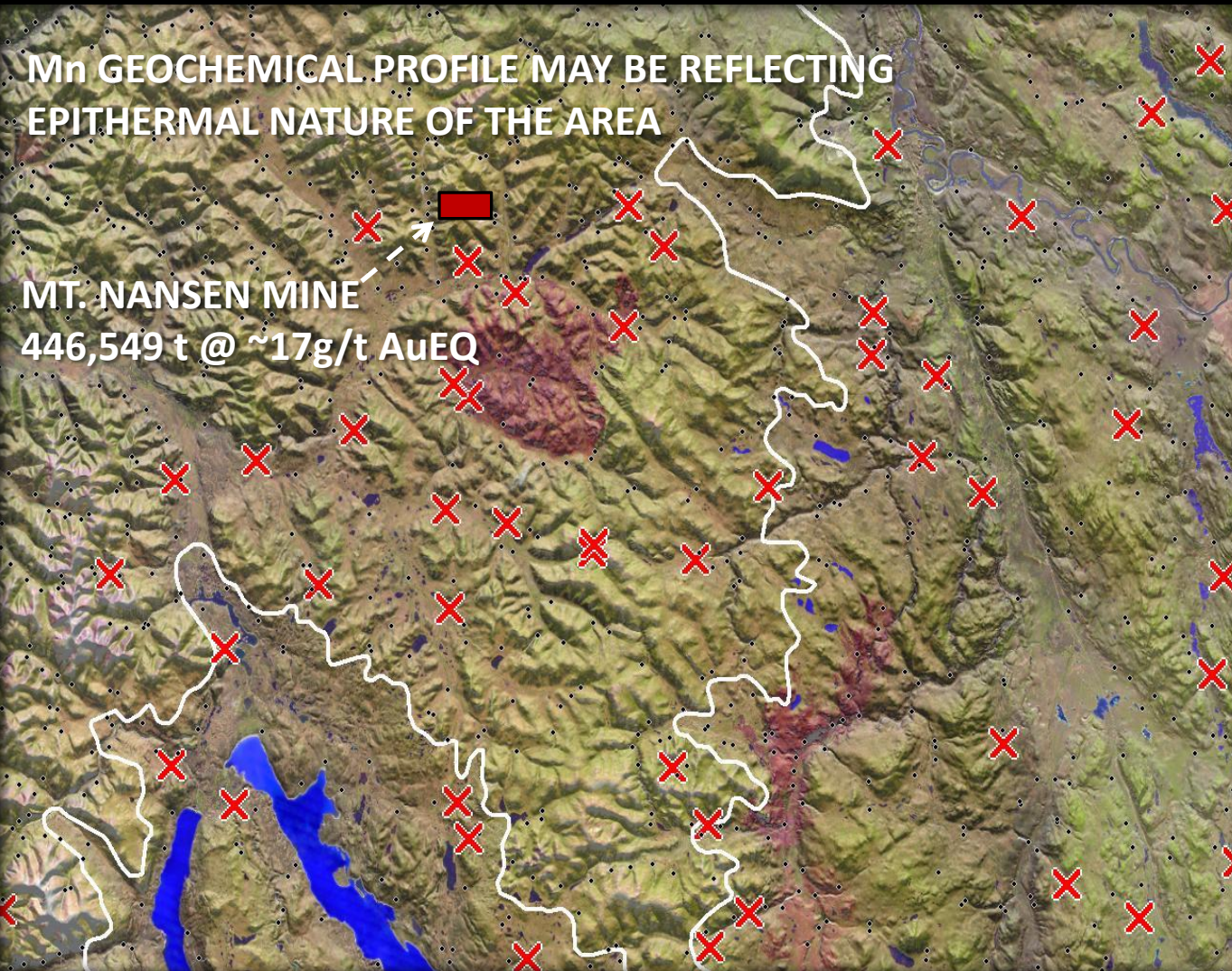
- The Carmacks Caldera is not well mapped
- The northern and central part of the Caldera was mapped in the mid 1970's & 1980's
- Caldera is underexplored
- Ultramafics are found in the Caldera geology
- Ultramafics are formed from either an association with a continental rift zone or a mantle plume related Caldera
- Ultramafics also are known to host REE's and calderas are supposed to be great places to find REE's

# Caldera – Gold in Stream Sediments



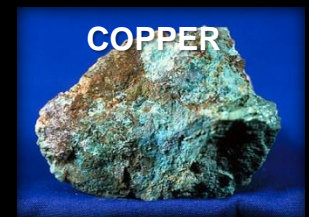
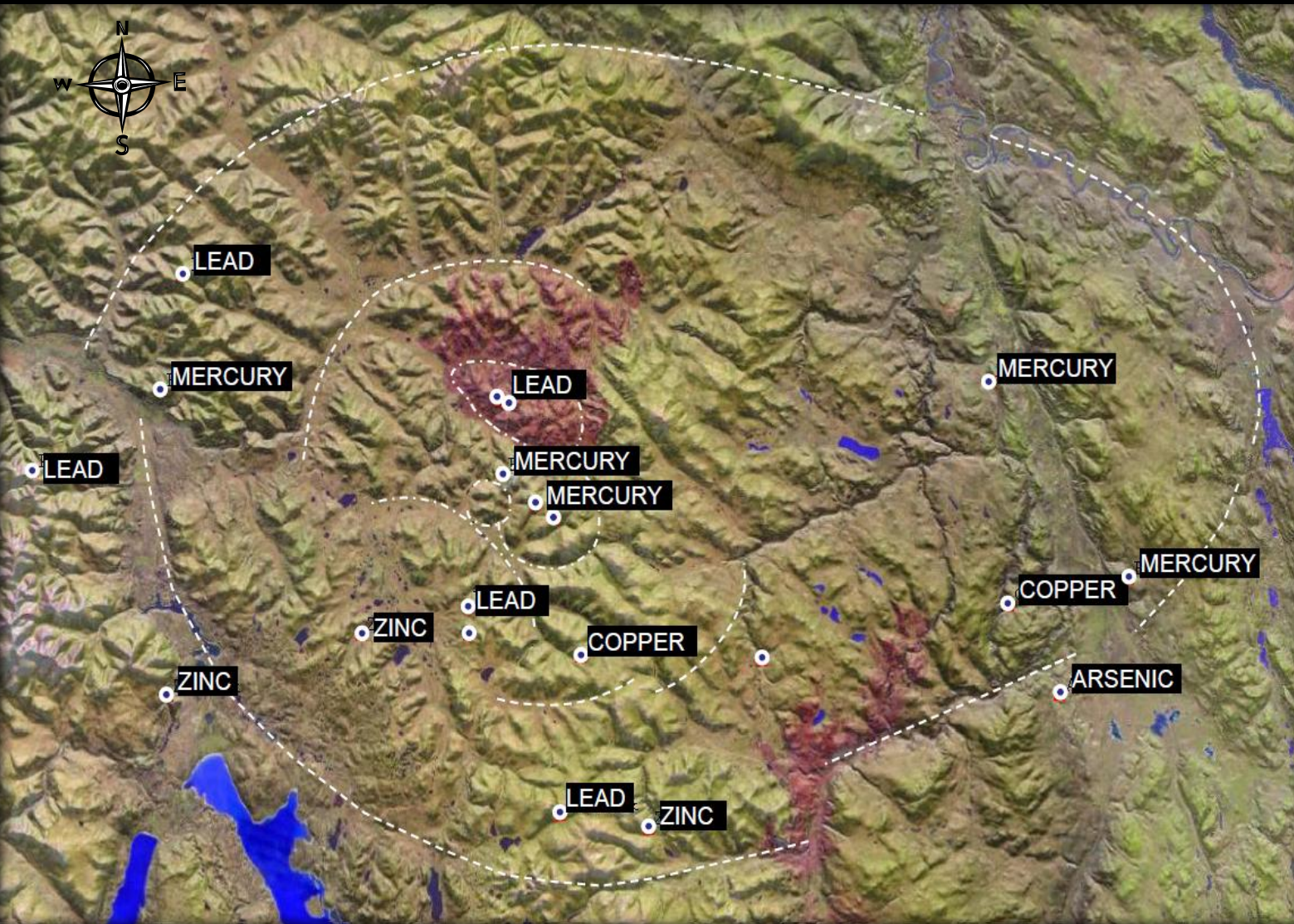
- Highest 99<sup>th</sup> percentile gold in stream sediments in Yukon
- Gold in stream sediments >100 ppb and as high as 4,500 ppb
- Au Geochemical profile may be stronger than what is reported due to intense surface weathering
- Rocks at the Tahte Porphyry showing were weathered down to 85 meters...such weathering can seriously mask a Geochem Profile

# Caldera - Manganese in Stream Sediments

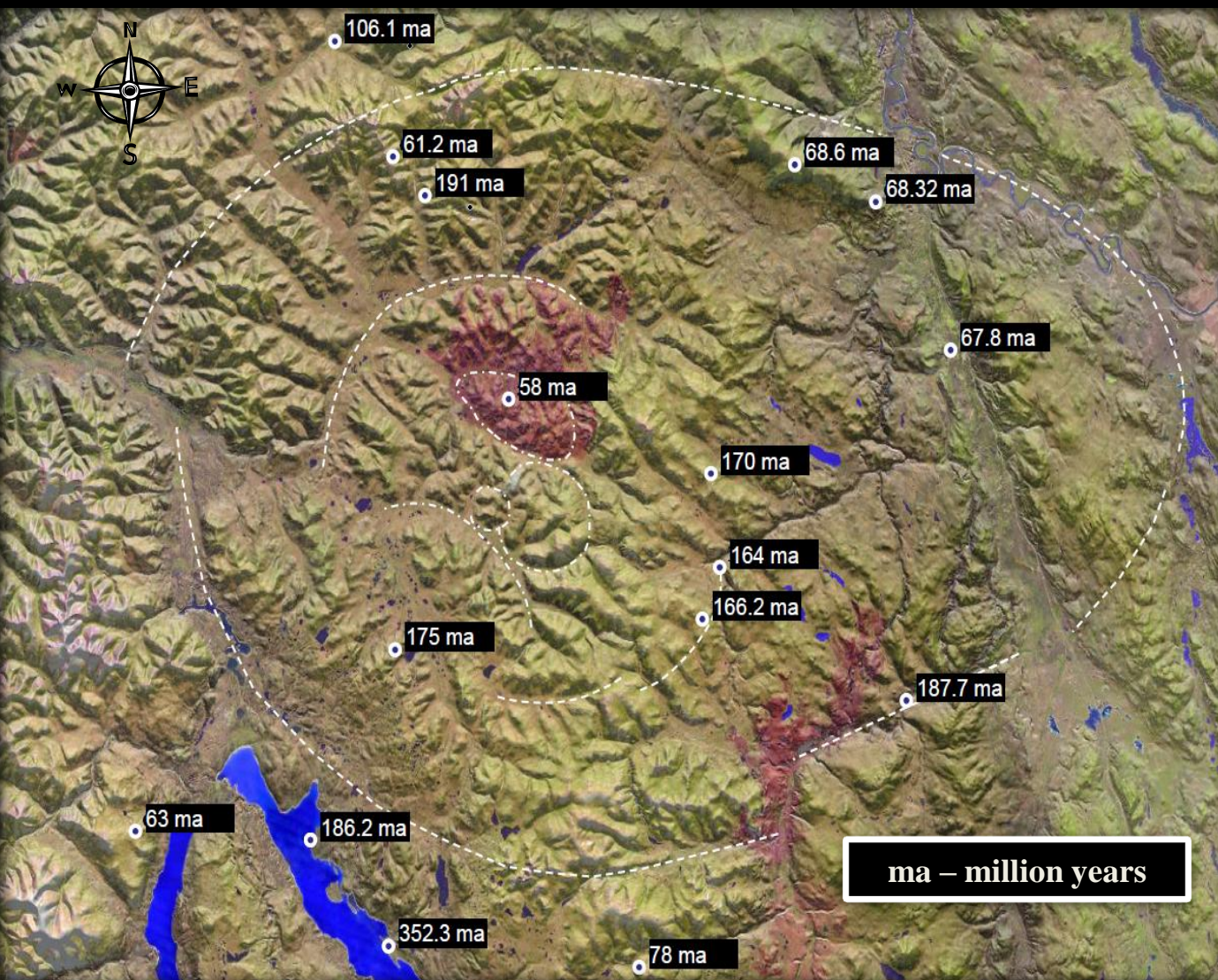


- Manganese (Mn) stream sediment values in the Caldera > 1,500 ppm & as high as 7,000 ppm
- Mn is a pathfinder mineral for silver
- Mt. Nansen Mine (richest Au/Ag past producer in Yukon) has Mn over its Property
- Mn geochemical profile may also be stronger than is reported due to intense surface weathering
- Rocks at the Tahte Porphyry showing were weathered down to 85 metres

# Anomalous Rock Geochemistry – GSC 1977

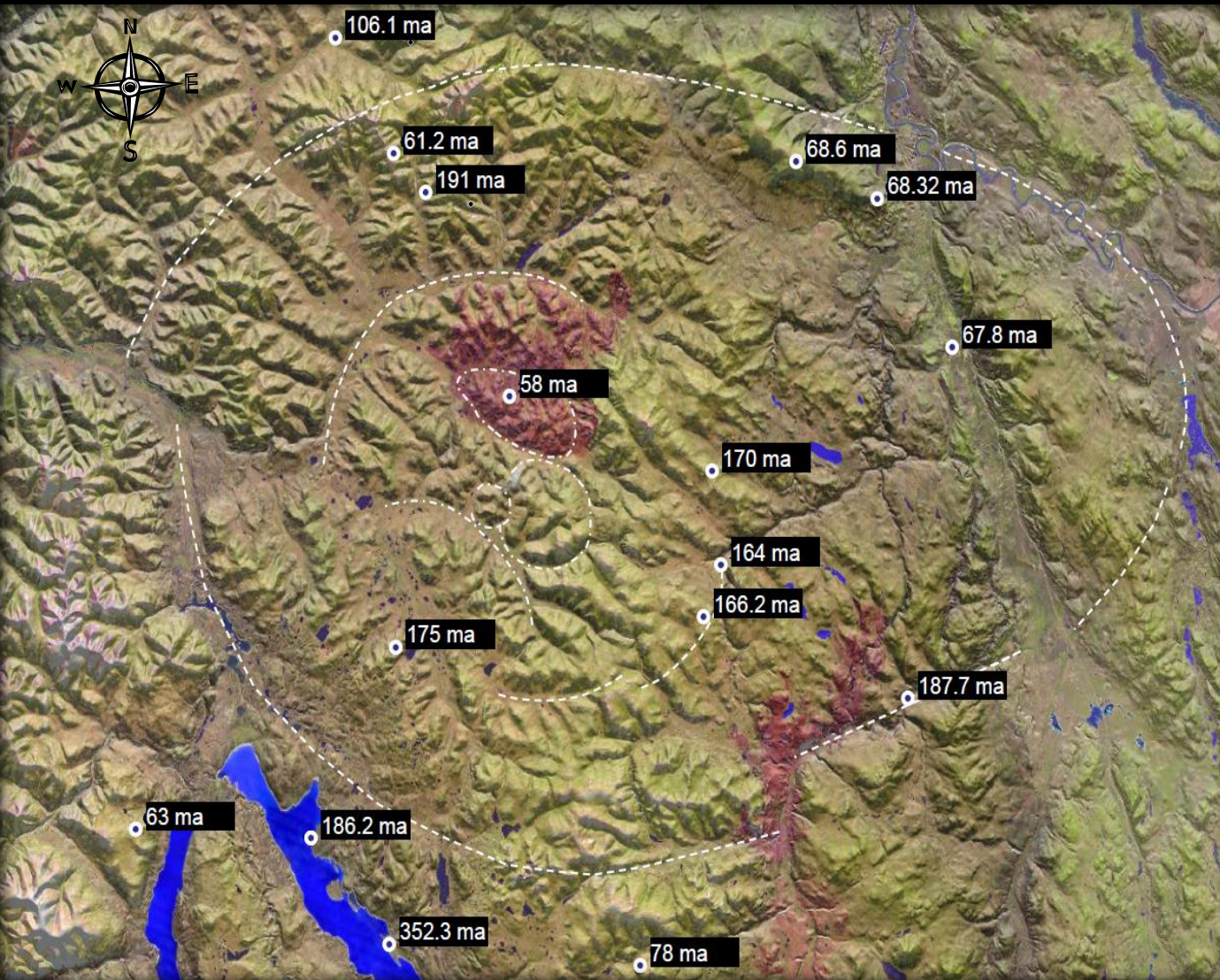


# Caldera - Rock Age Dates



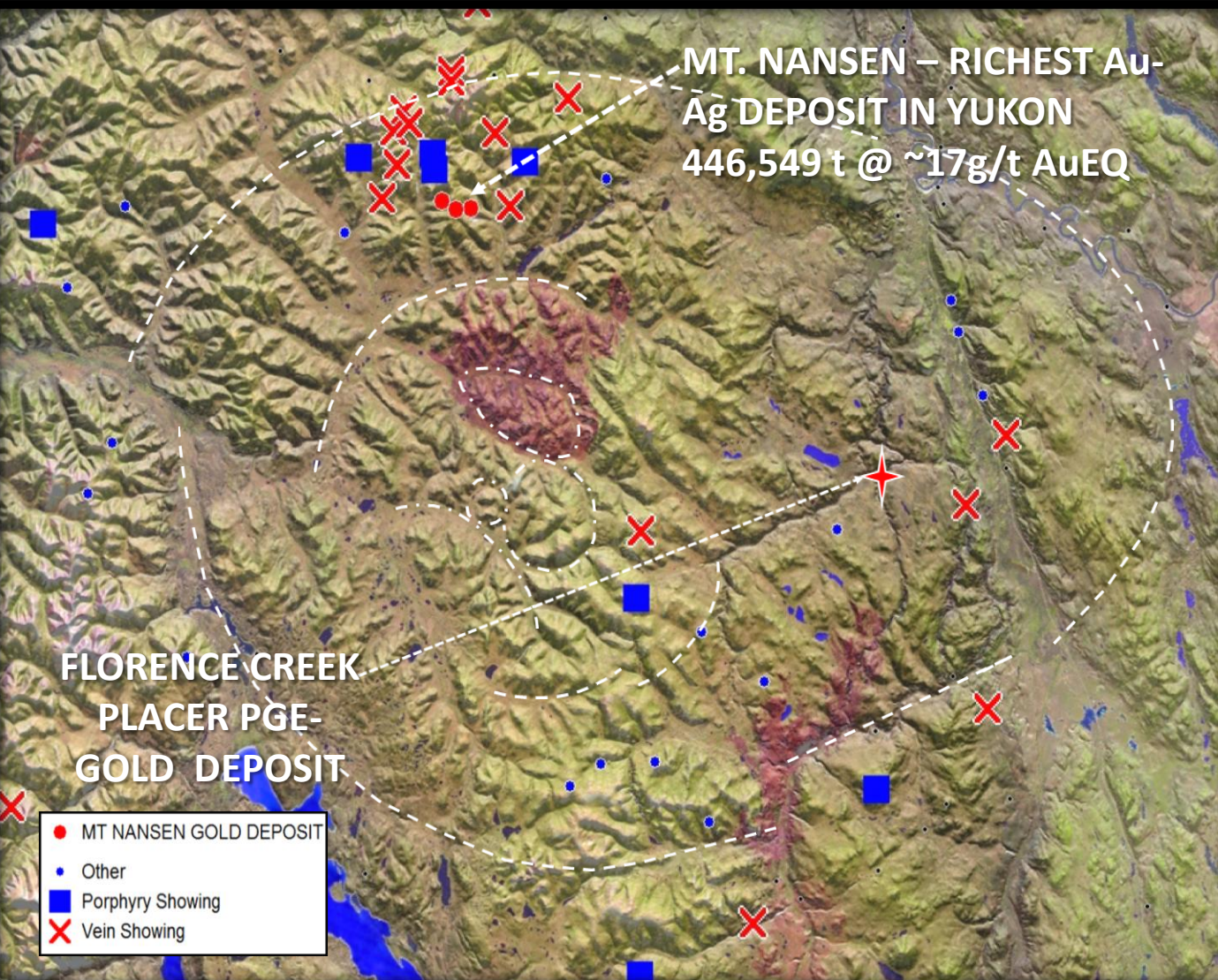
- The Caldera regional geochronology shows that some interesting geochemical events took place over the area at the end of the Cretaceous period....
- Cretaceous period began approximately 144ma ago & ended approx. 65ma ago
- Late Cretaceous period began approximately 100ma ago and ended approximately 65ma ago
- This is probably ....

# Caldera - Rock Age Dates (cont'd)



- ..... a reflection of the effects of the Carmacks Magmatic Event that the government is still trying to wrap its head around...
- Quote from 2010 report on mineralization in the Dawson Range – “To date our understanding of the overprinting Late Cretaceous magmatic event is limited, however, emplacement of these magmatic products are closely associated with regional NE-trending normal faults that dissect pre-existing mineralization associated with the early to mid-Cretaceous Magmatic Belt”

# Caldera – Great Discovery Potential



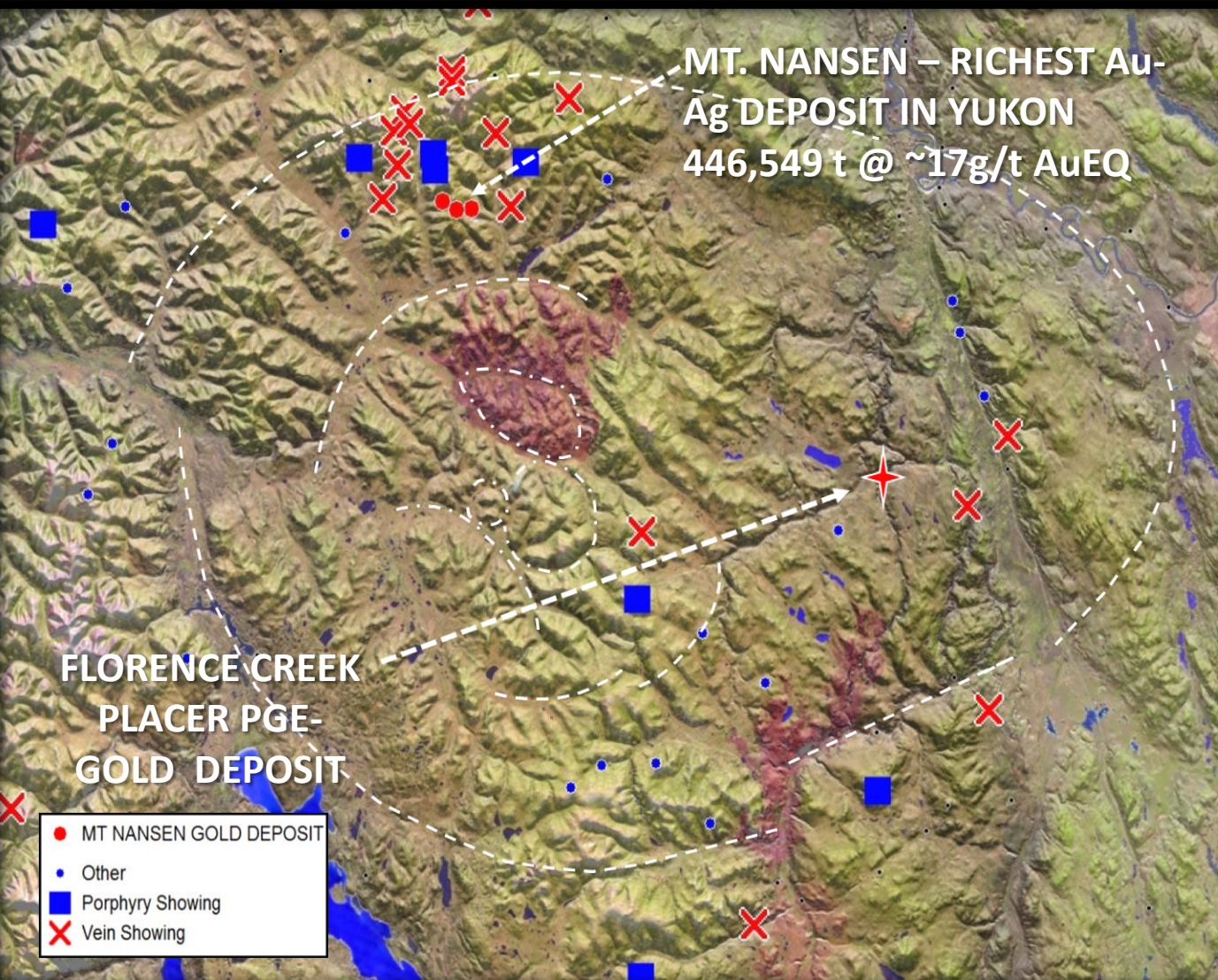
➤ Mt. Nansen is the richest Au-Ag deposit found in Yukon



➤ Mt. Nansen deposit has intermediate sulfidation geochemistry very similar to the Lihir Island, Porgera, Round Mt. and Cadia Ridgeway Collapsed Caldera's

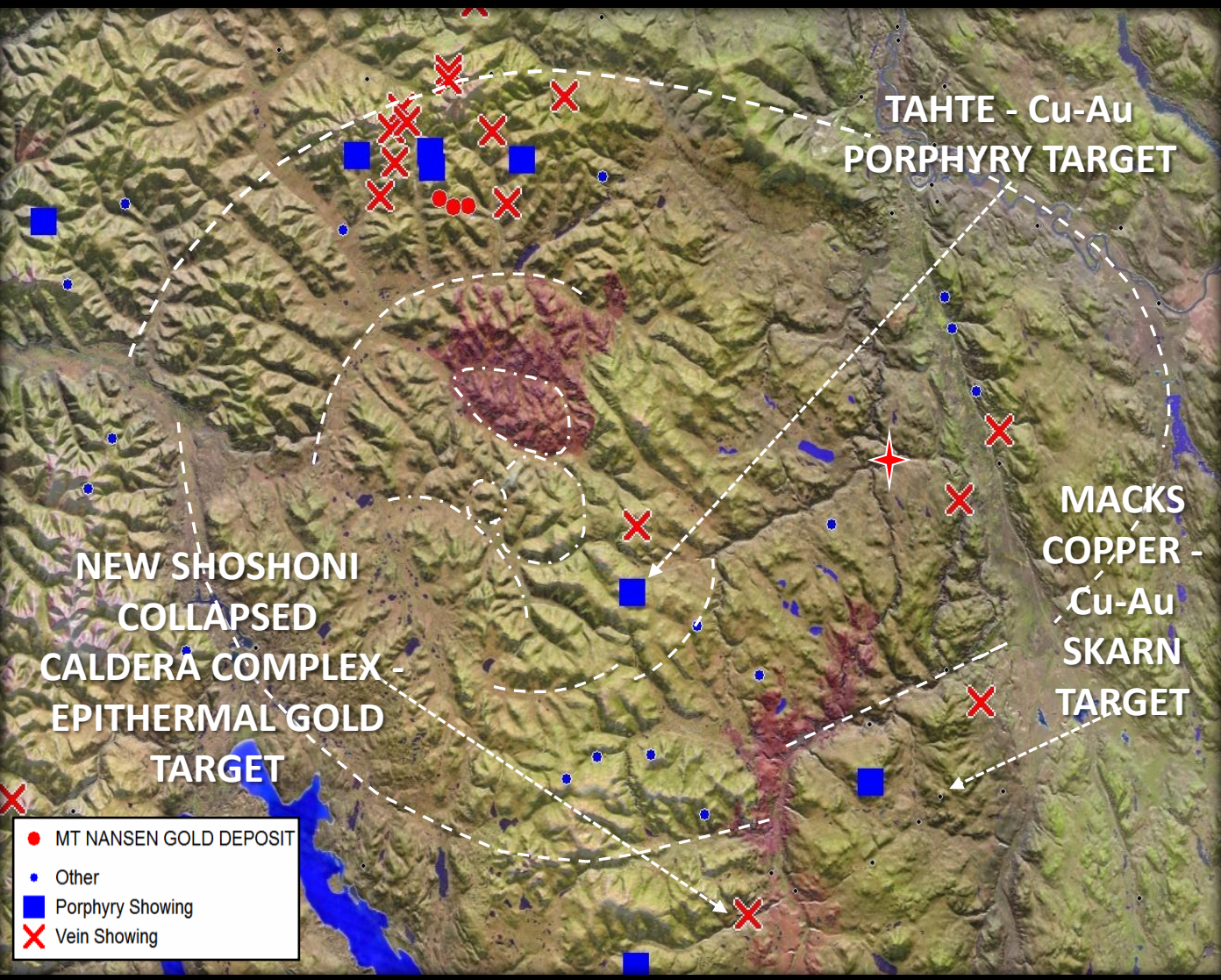


# Caldera – Great Discovery Potential (cont'd)



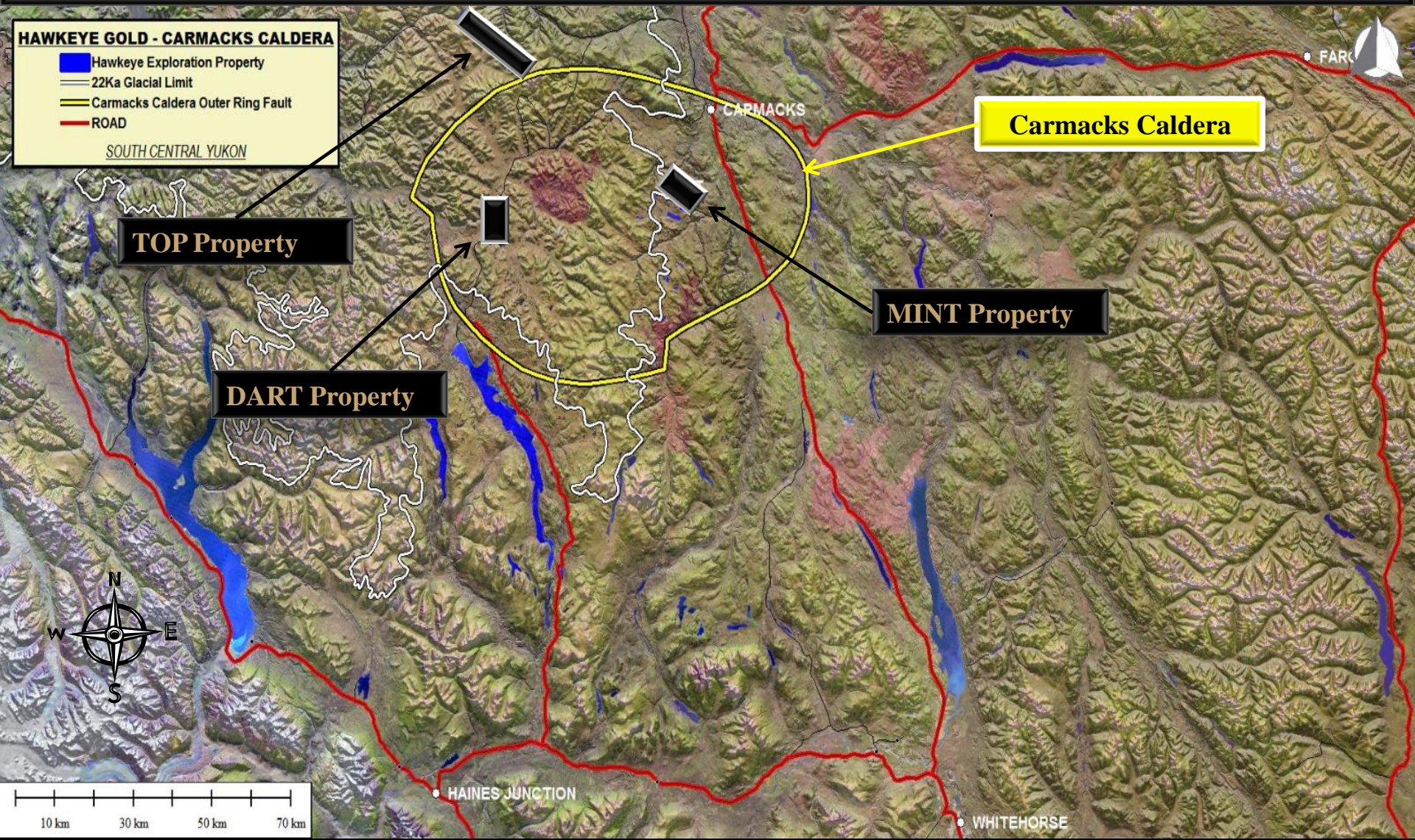
- A PGE – Gold placer occurrence at Florence Creek lends credence to the idea that the caldera is potentially hosting porphyry related gold targets
- The UBC MDRU put out a paper on using PGE as a finger-print for pregnant porphyry systems and the Carmacks Caldera fits the bill

# Caldera – Great Discovery Potential (cont'd)



- The Tahte porphyry target hosts anomalous copper and gold in soil & very anomalous silver values in drill core
- The Macks Copper Cu-Au mineral occurrence is robust but has had no work in years due to land tenure issues
- New Shoshoni has identified a clay altered zone that has potential for a gold and copper discovery...the zone is located in what has been interpreted as a Collapsed Caldera Complex...

# Hawkeye Properties – Carmacks Caldera





# DART Property



# DART Property



## HAWKEYE GOLD - CARMACKS CALDERA

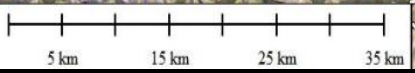
-  DART PROPERTY
-  Other Hawkeye Property
-  22Ka Glacial Limit
-  Carmacks Caldera Outer Ring Fault
-  ROAD

SOUTH CENTRAL YUKON

**DART Property**

DART

CARMACKS

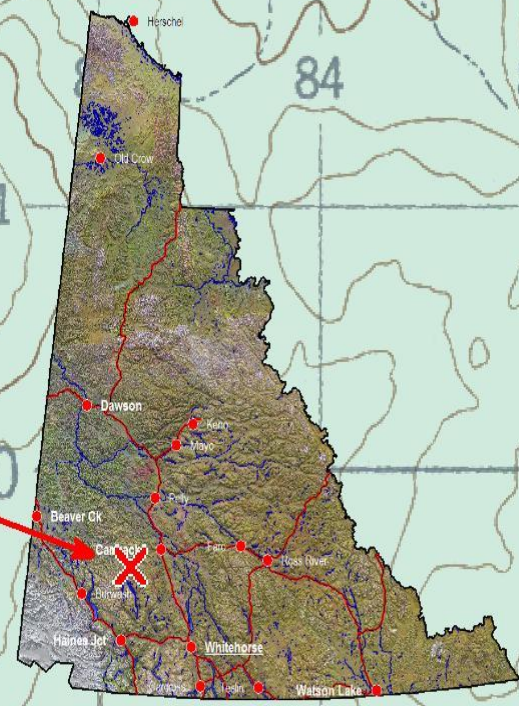
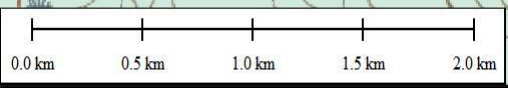


# DART Property



**HAWKEYE GOLD**  
DART Quartz Claims  
DART PROPERTY LOCATION MAP

DART 30	DART 28	DART 26	DART 24	DART 22
DART 29	DART 27	DART 25	DART 23	DART 21
DART 20	DART 18	DART 16	DART 14	DART 12
DART 19	DART 17	DART 15	DART 13	DART 11
DART 10	DART 8	DART 6	DART 4	DART 2
DART 9	DART 7	DART 5	DART 3	DART 1



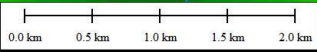
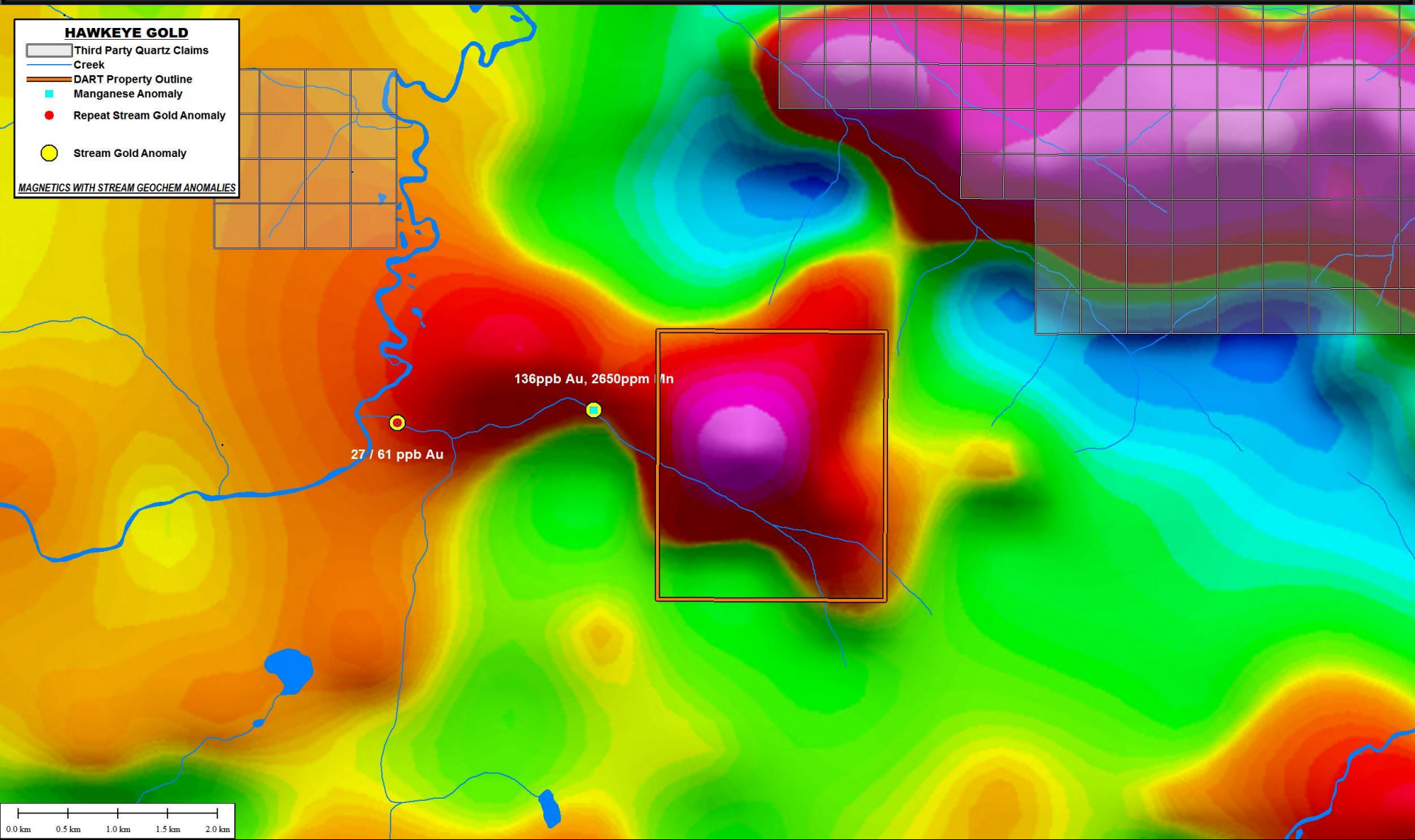
# DART Property



**HAWKEYE GOLD**

- Third Party Quartz Claims
- Creek
- DART Property Outline
- Manganese Anomaly
- Repeat Stream Gold Anomaly
- Stream Gold Anomaly

**MAGNETICS WITH STREAM GEOCHEM ANOMALIES**



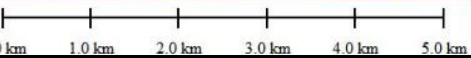
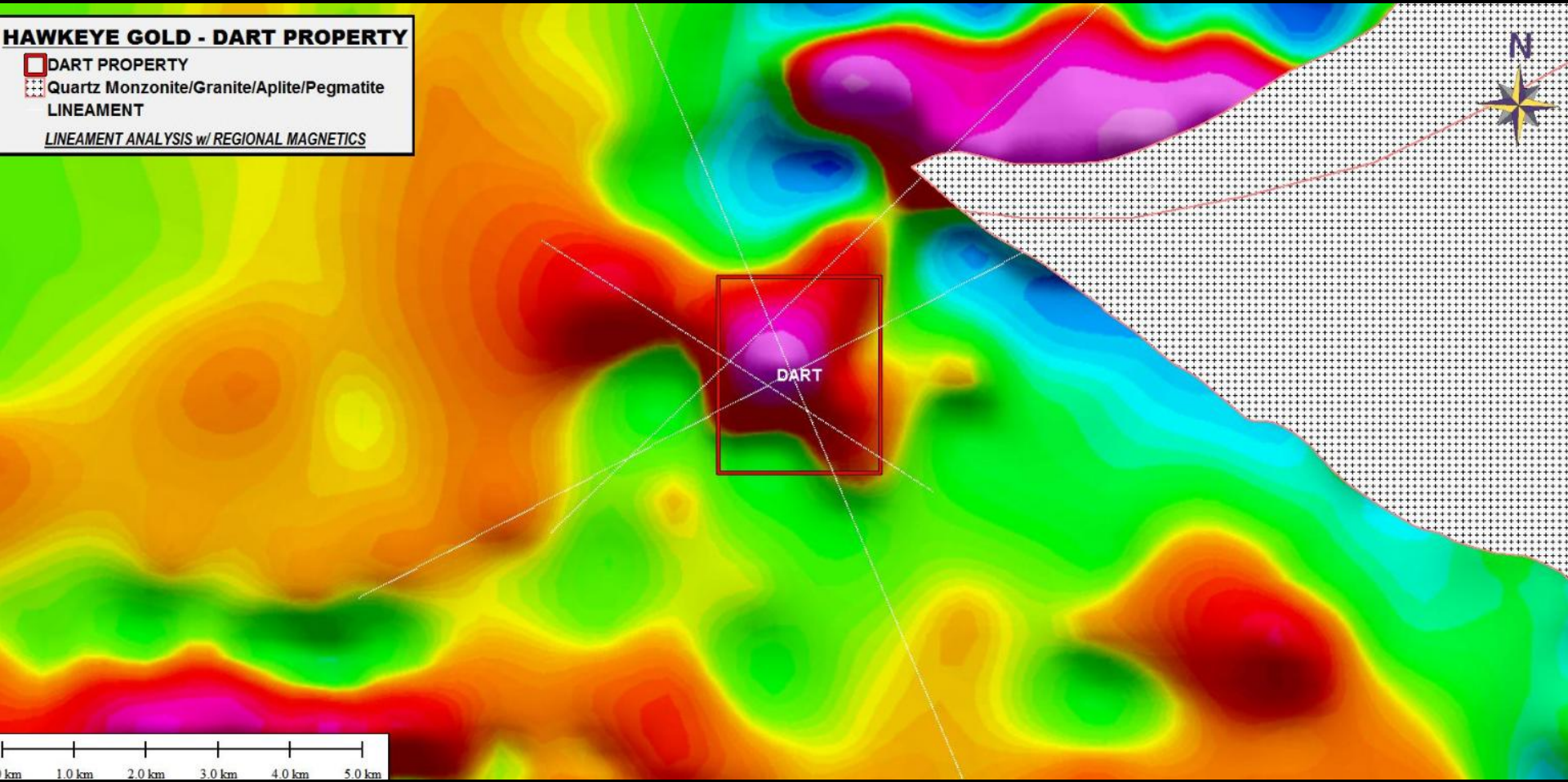
# DART Property



**HAWKEYE GOLD - DART PROPERTY**

-  DART PROPERTY
-  Quartz Monzonite/Granite/Aplite/Pegmatite LINEAMENT

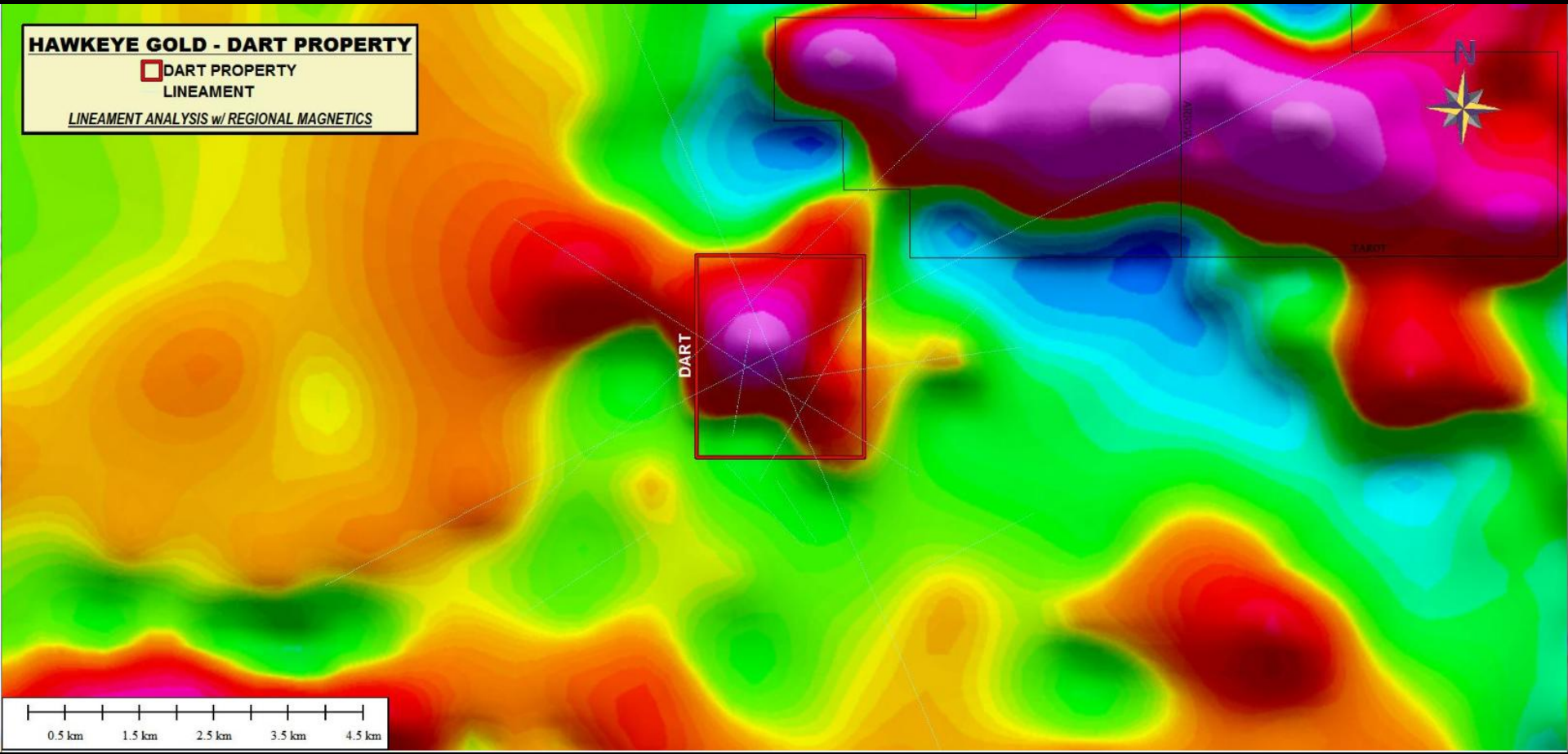
*LINEAMENT ANALYSIS w/ REGIONAL MAGNETICS*



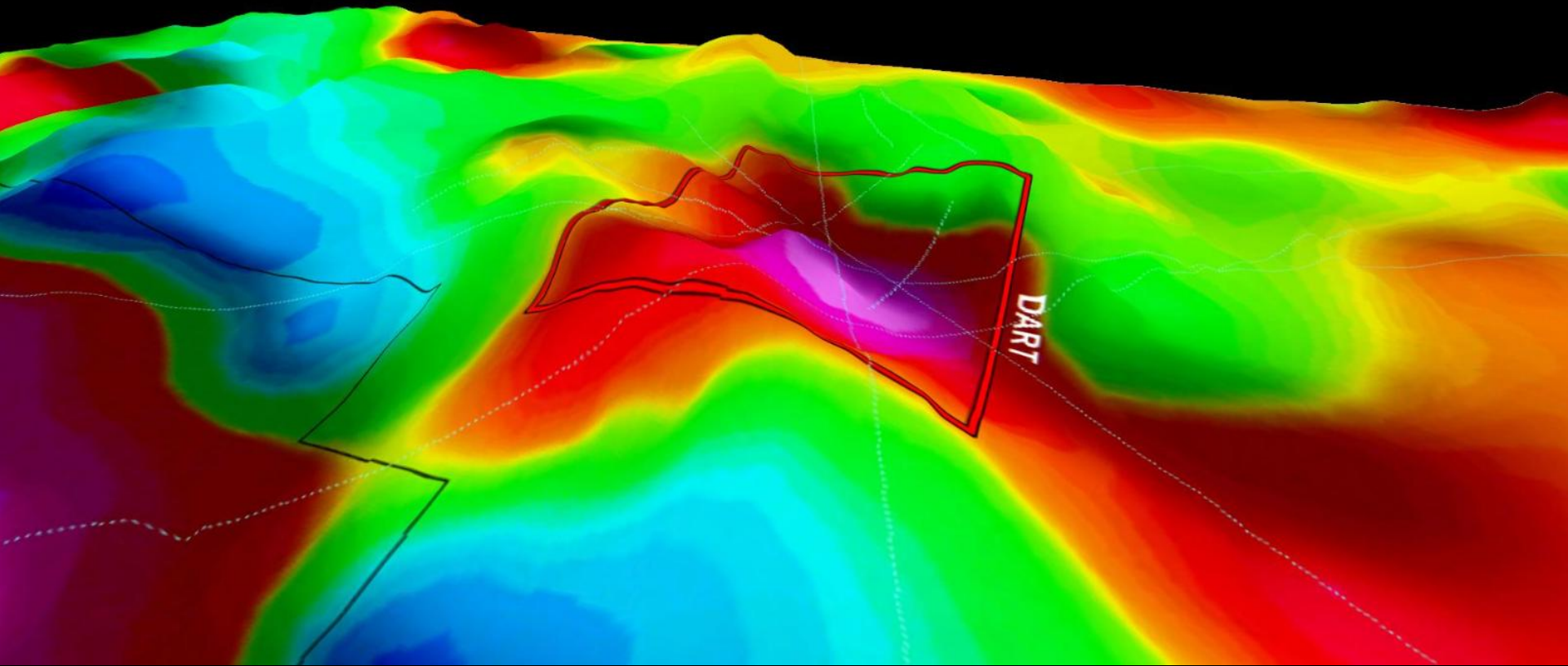
# DART Property



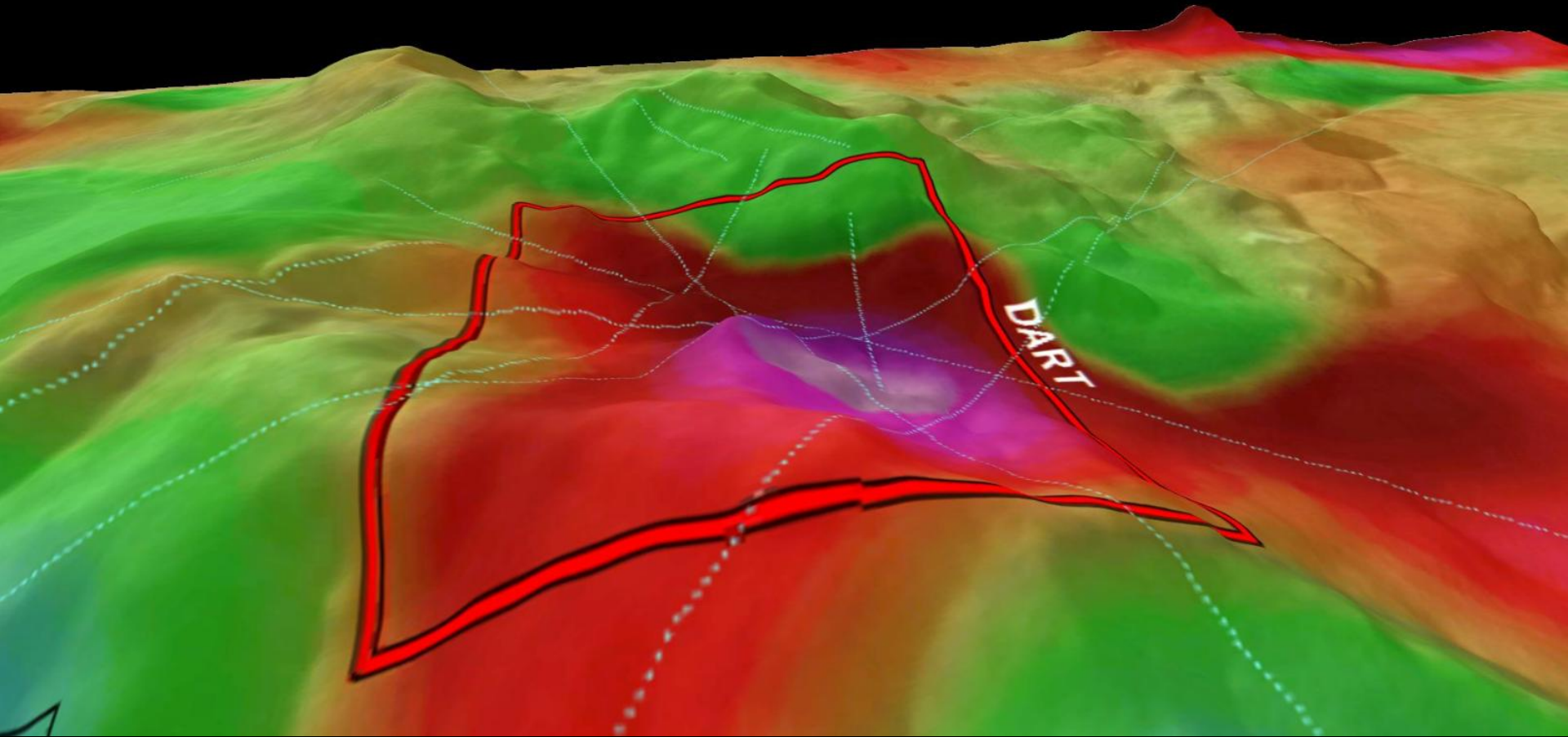
**HAWKEYE GOLD - DART PROPERTY**  
DART PROPERTY  
LINEAMENT  
*LINEAMENT ANALYSIS w/ REGIONAL MAGNETICS*



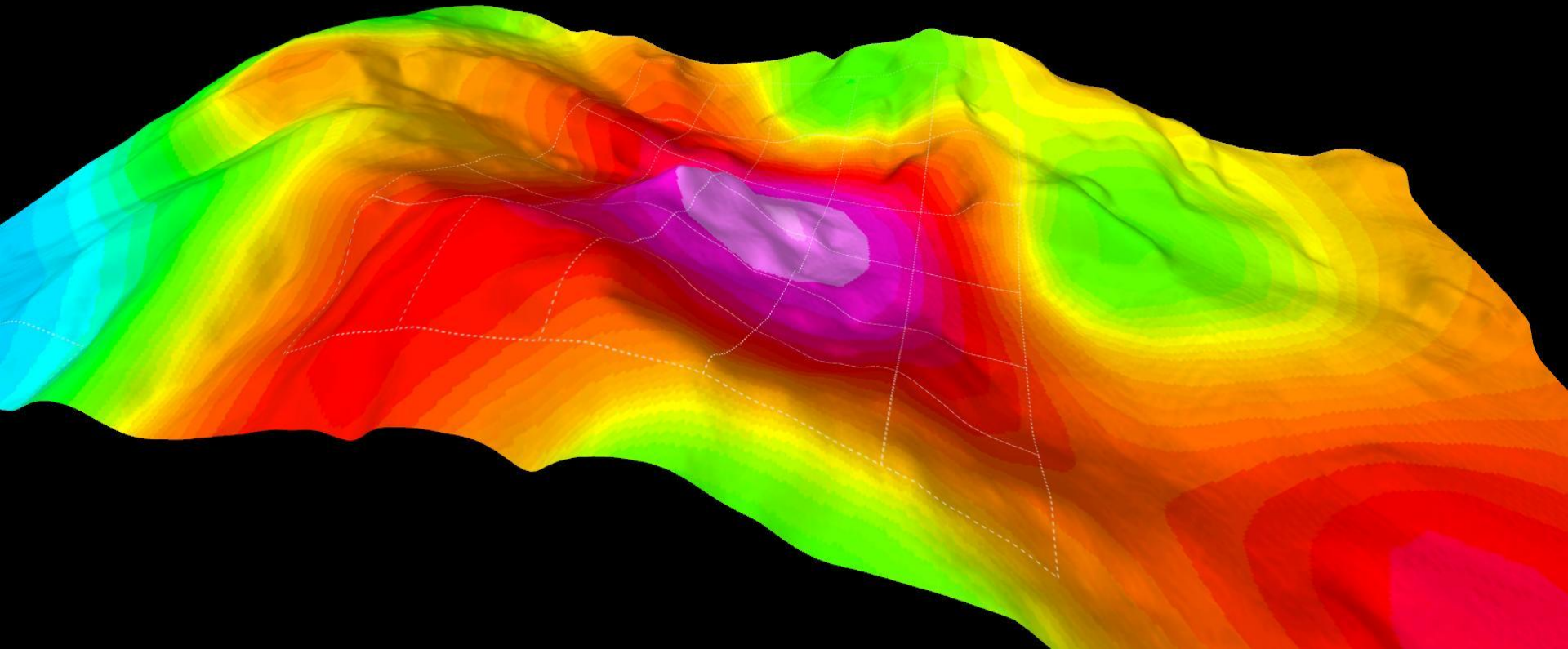
# DART Property



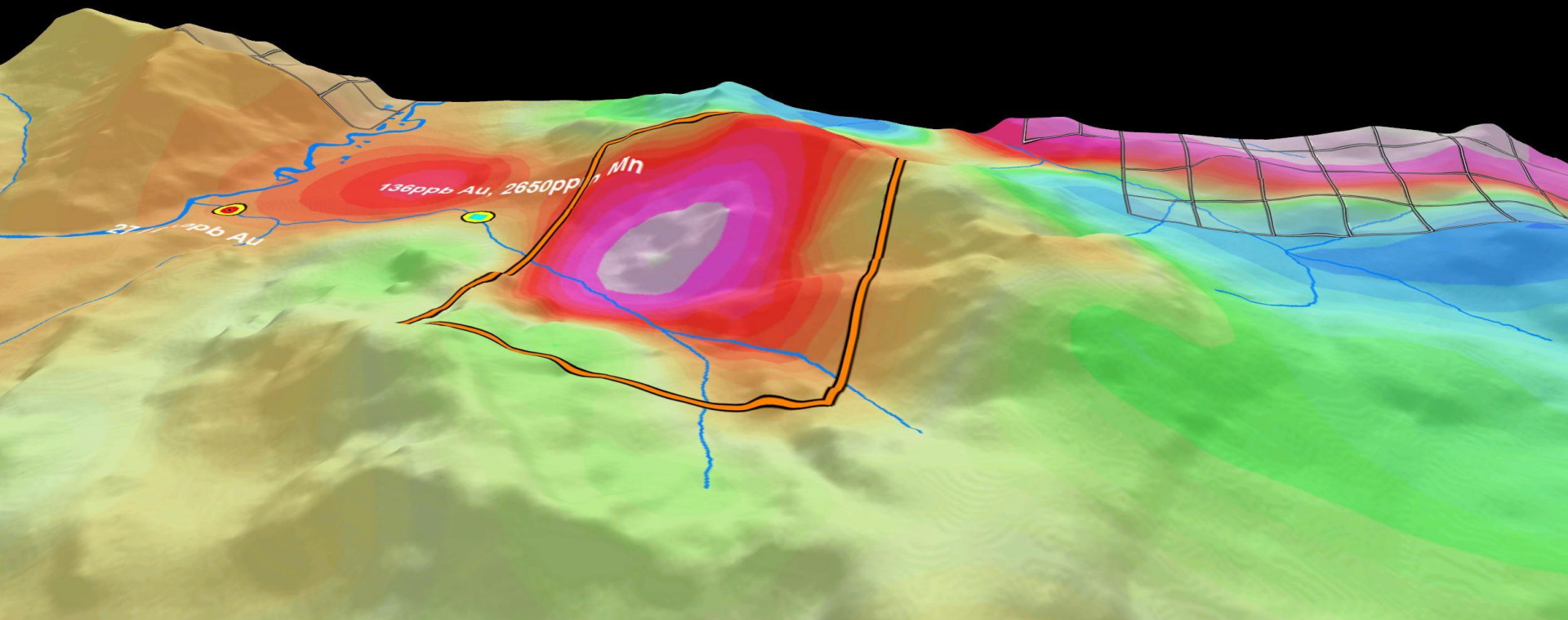
# DART Property



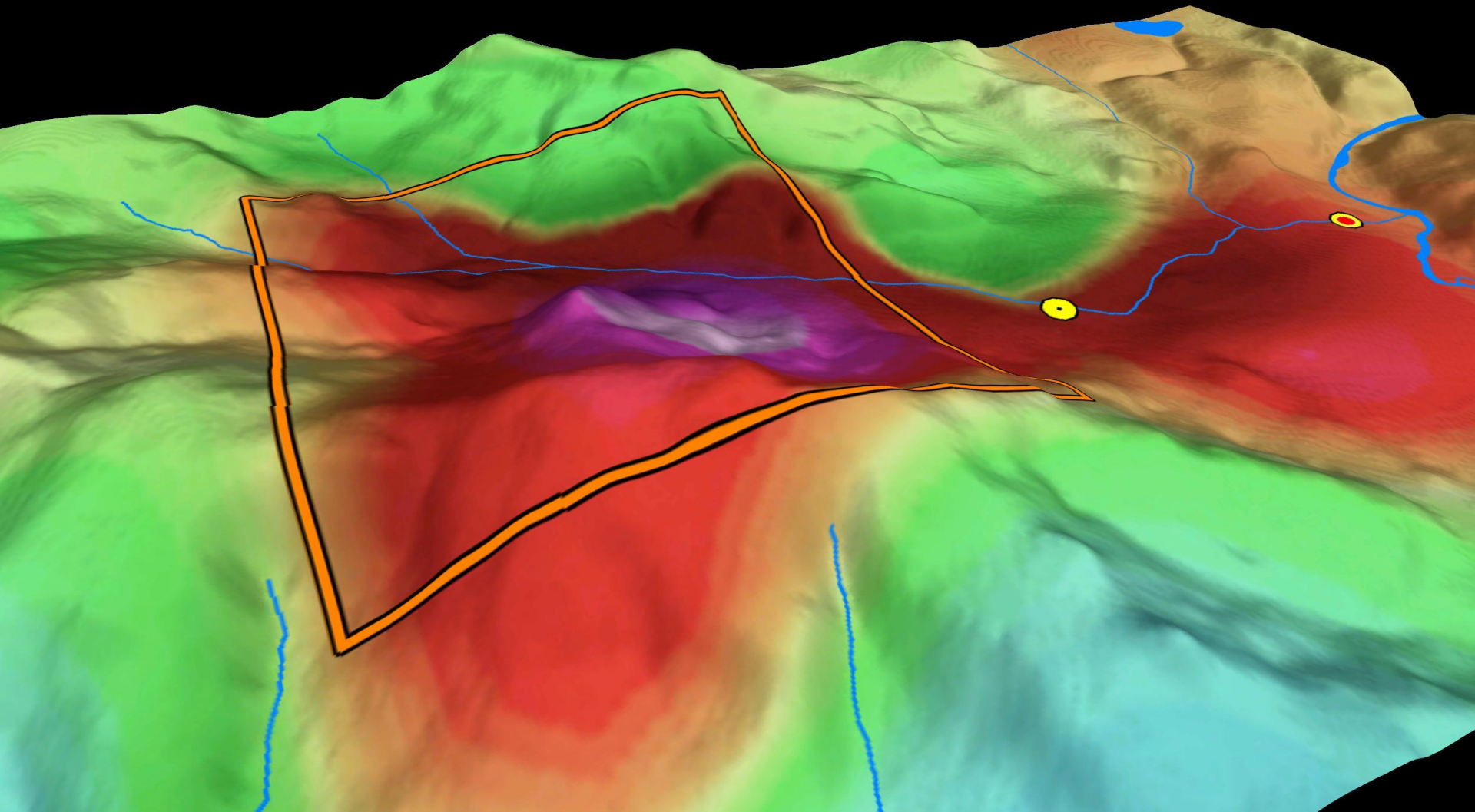
# DART Property



# DART Property



# DART Property



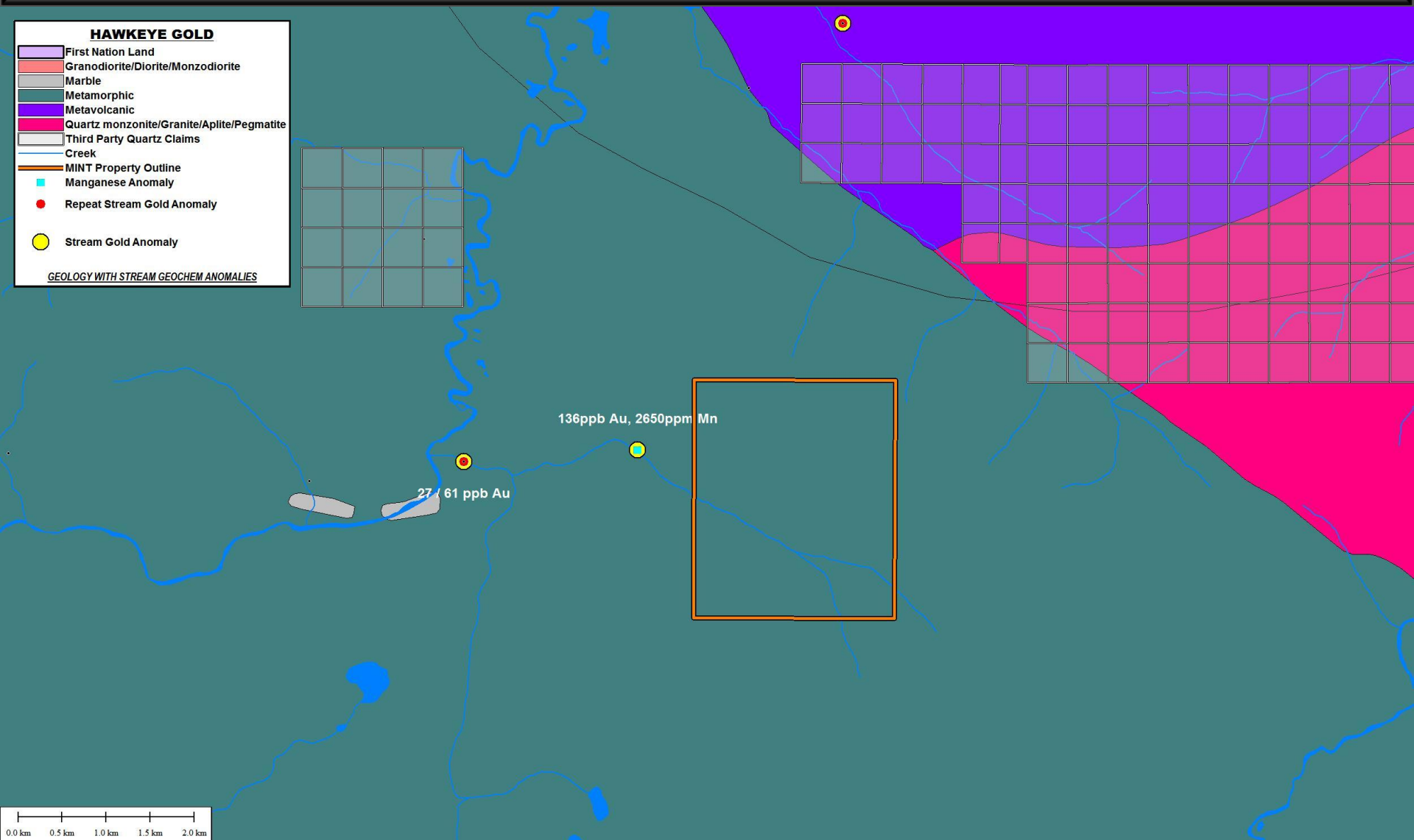
# DART Property



## HAWKEYE GOLD

- First Nation Land
- Granodiorite/Diorite/Monzodiorite
- Marble
- Metamorphic
- Metavolcanic
- Quartz monzonite/Granite/Aplite/Pegmatite
- Third Party Quartz Claims
- Creek
- MINT Property Outline
- Manganese Anomaly
- Repeat Stream Gold Anomaly
- Stream Gold Anomaly

GEOLOGY WITH STREAM GEOCHEM ANOMALIES



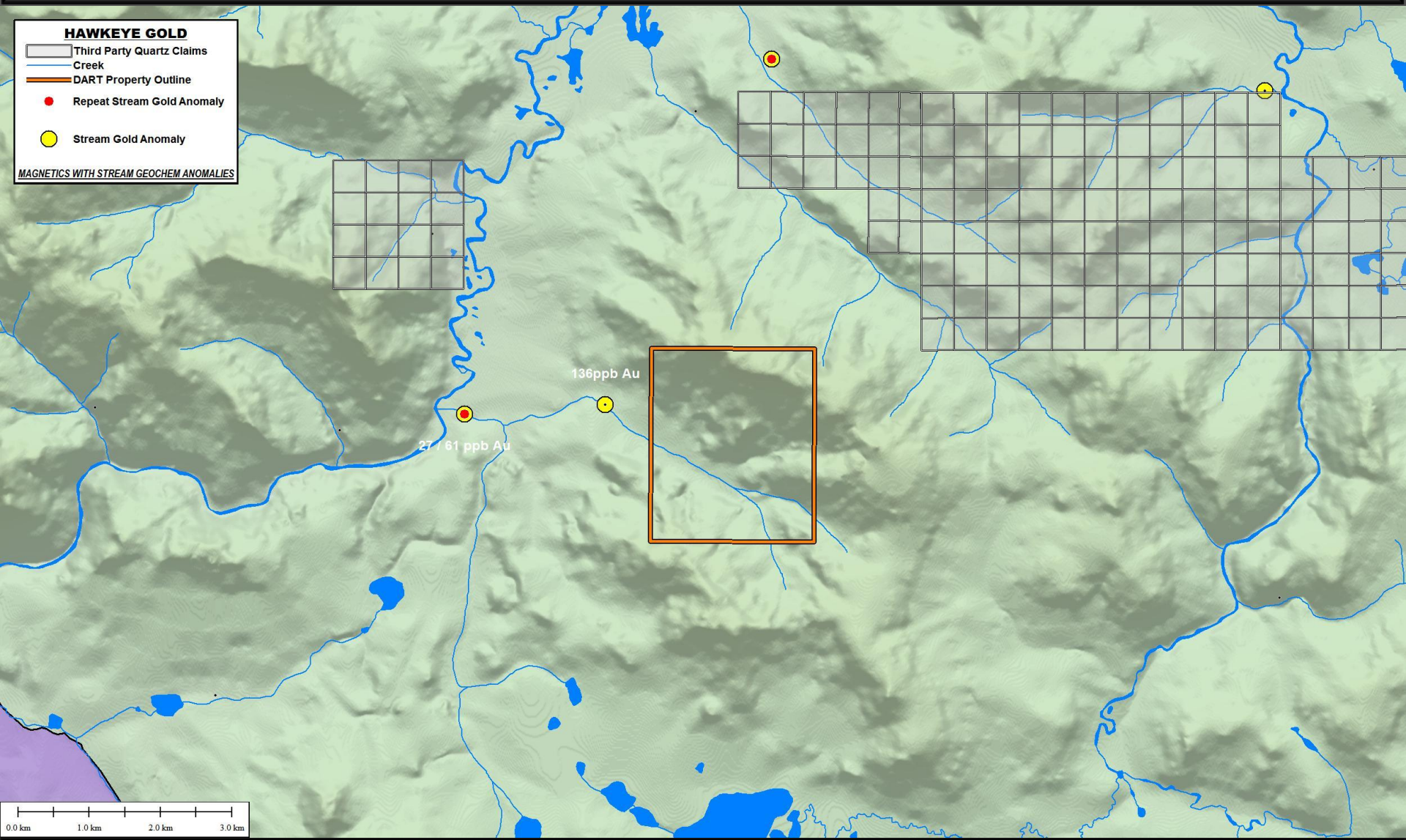
# DART Property



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- Third Party Quartz Claims
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- DART Property Outline
- Repeat Stream Gold Anomaly
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*MAGNETICS WITH STREAM GEOCHEM ANOMALIES*



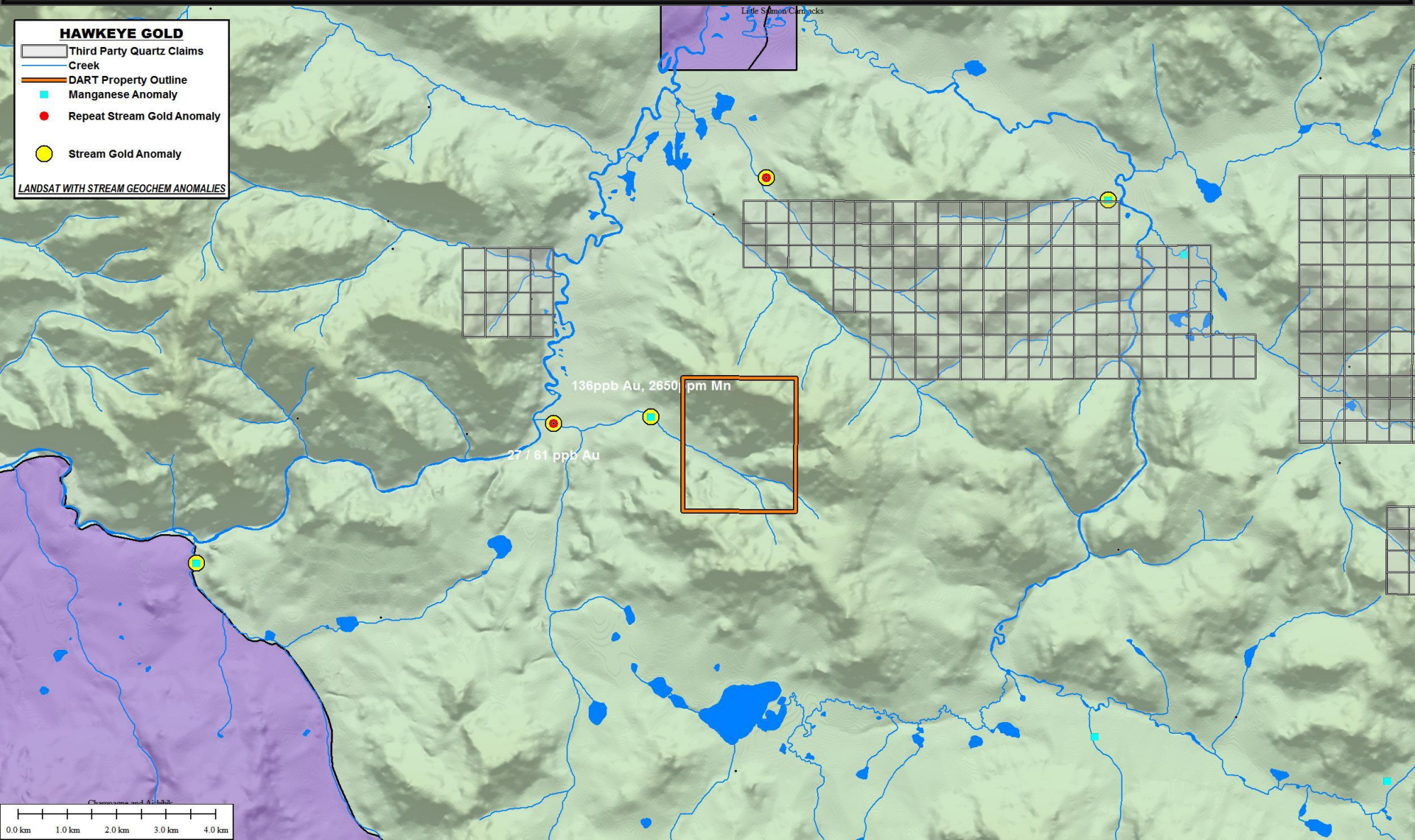
# DART Property



**HAWKEYE GOLD**

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- Creek
- DART Property Outline
- Manganese Anomaly
- Repeat Stream Gold Anomaly
- Stream Gold Anomaly

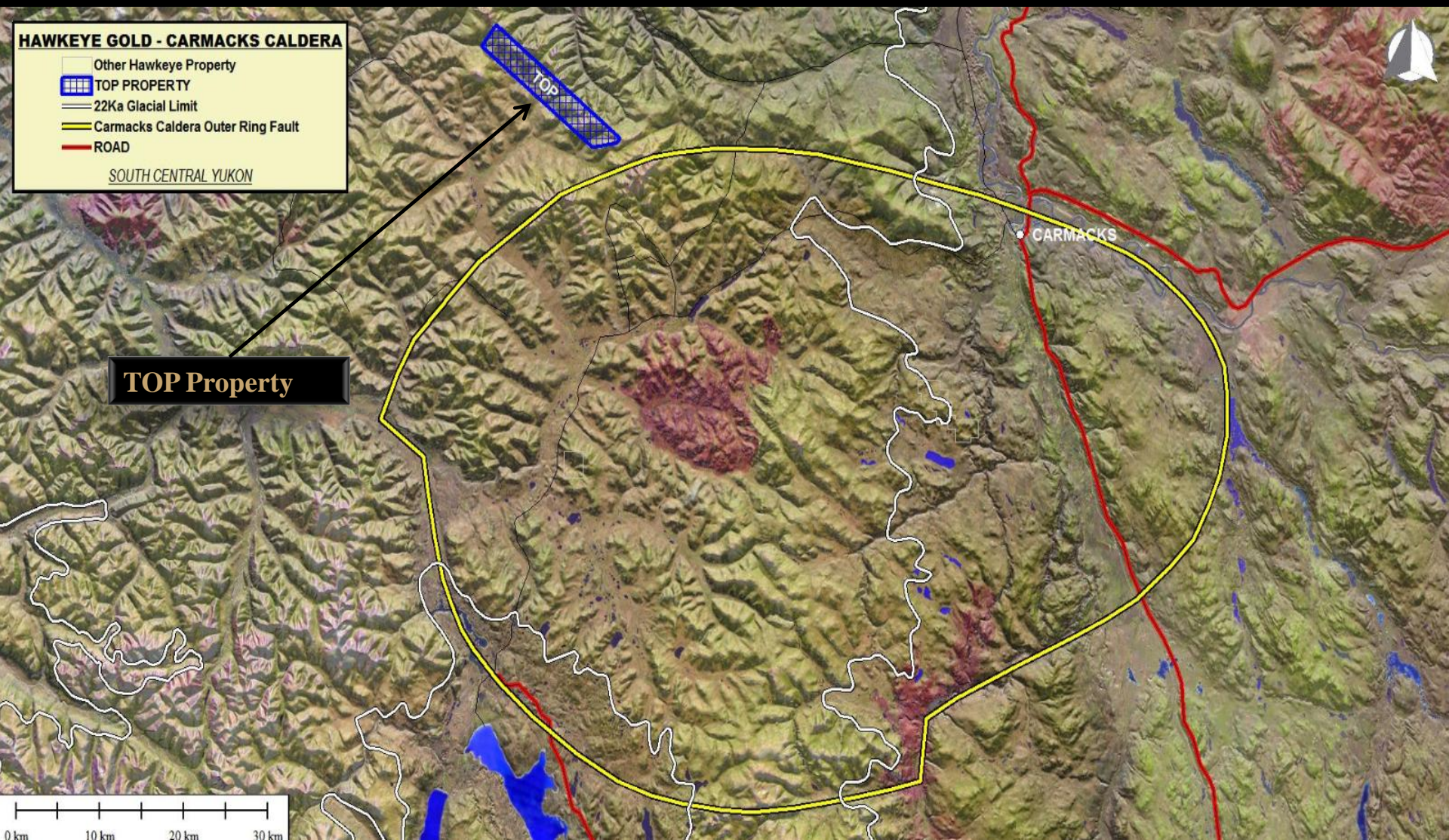
LANDSAT WITH STREAM GEOCHEM ANOMALIES



# TOP Property



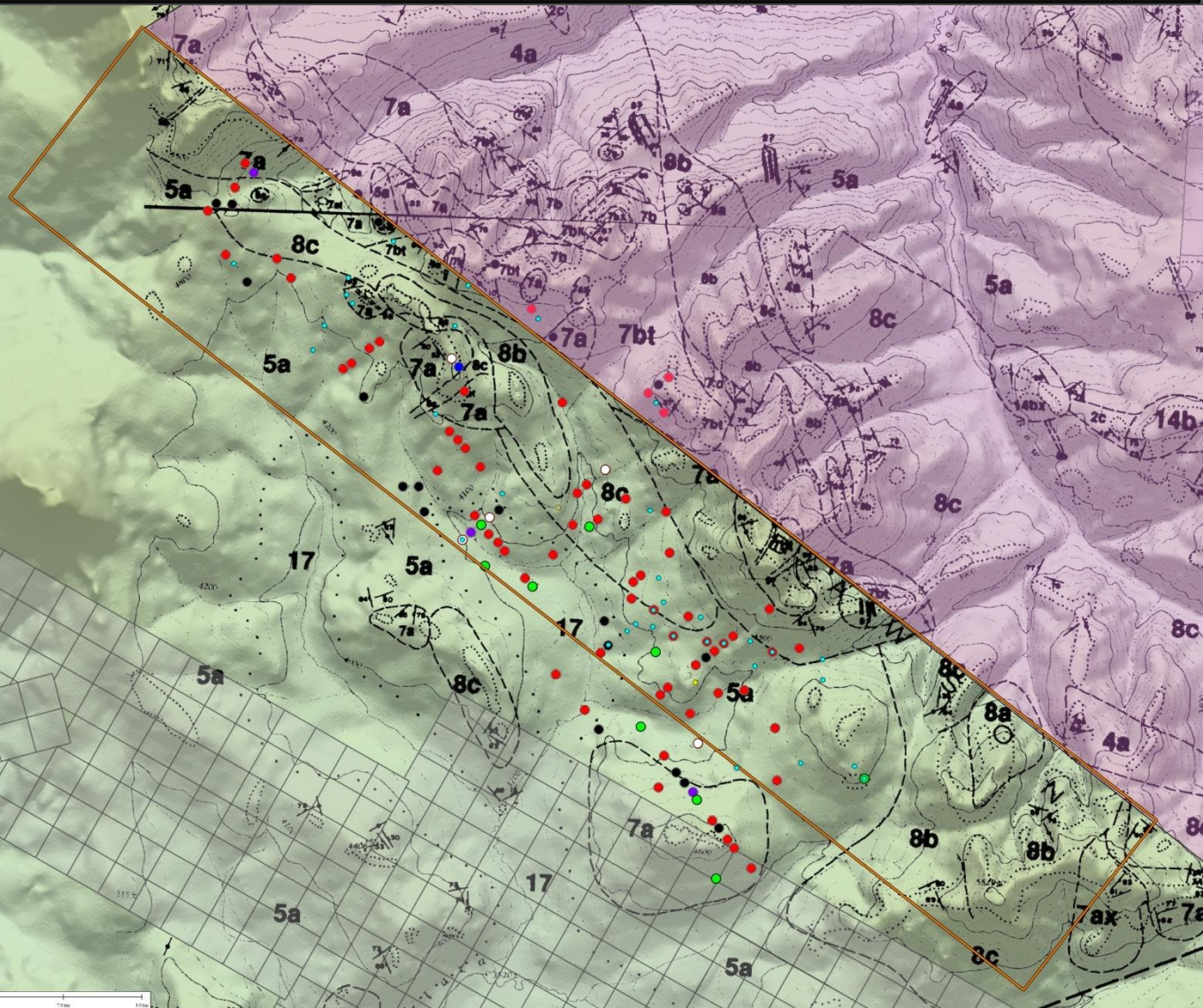
# TOP Property



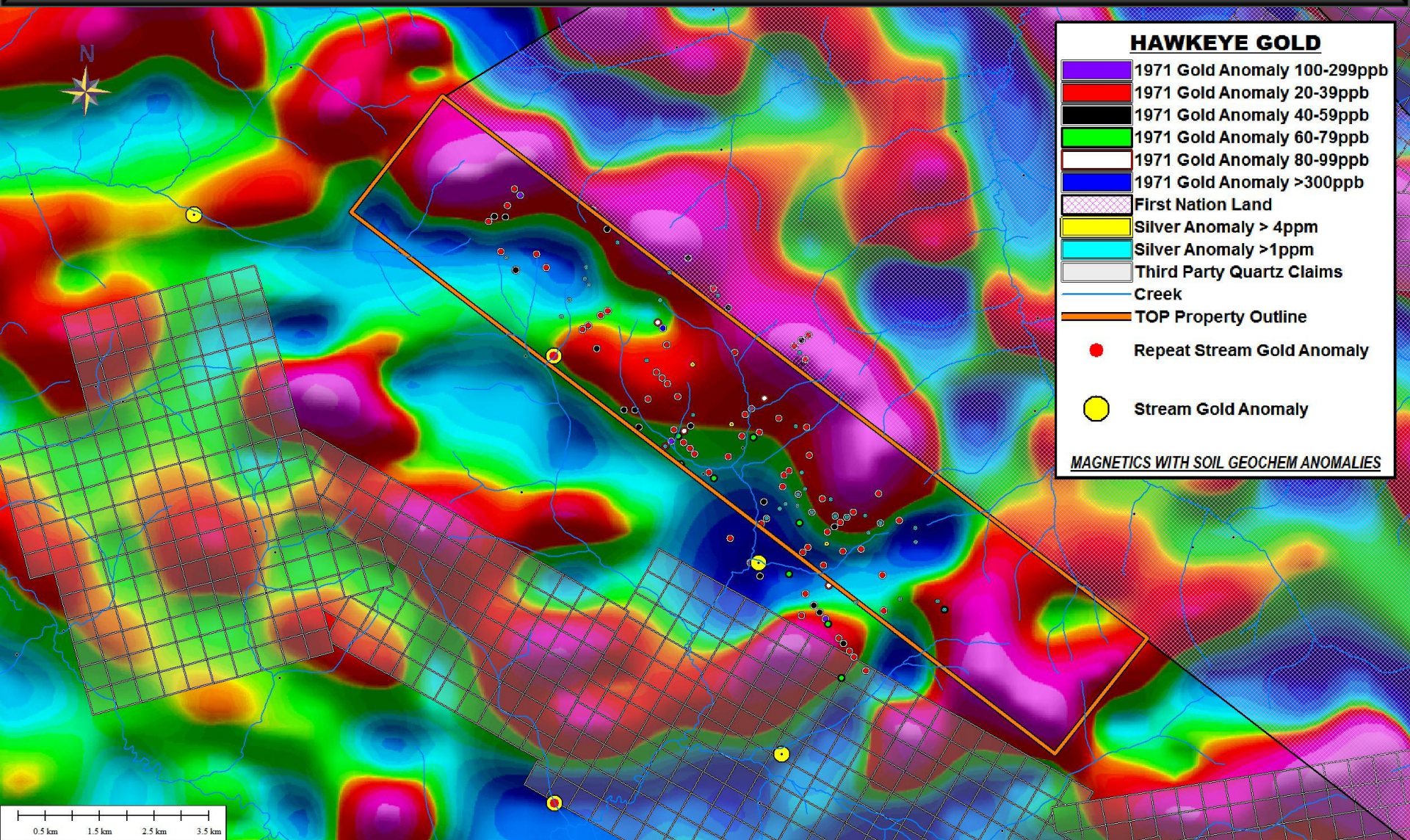
**HAWKEYE GOLD**

- 1971 Gold Anomaly 100-299ppb
- 1971 Gold Anomaly 20-39ppb
- 1971 Gold Anomaly 40-59ppb
- 1971 Gold Anomaly 60-79ppb
- 1971 Gold Anomaly 80-99ppb
- 1971 Gold Anomaly >300ppb
- First Nation Land
- Silver Anomaly > 4ppm
- Silver Anomaly >1ppm
- Third Party Quartz Claims
- TOP Property Outline

*GEOLOGY WITH SOIL GEOCHEM ANOMALIES*



# TOP Property



# MINT Property



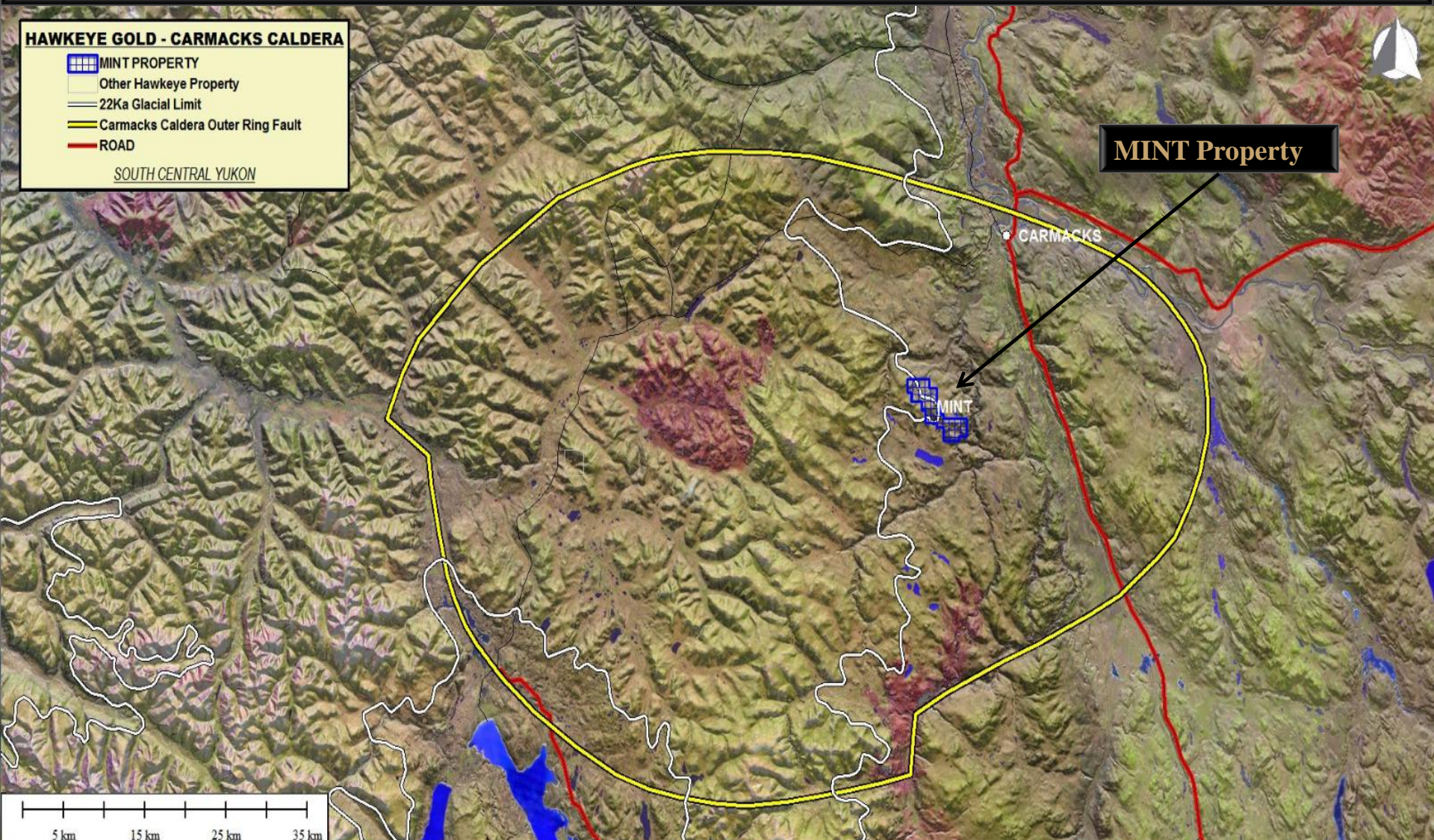
# MINT Property



## HAWKEYE GOLD - CARMACKS CALDERA

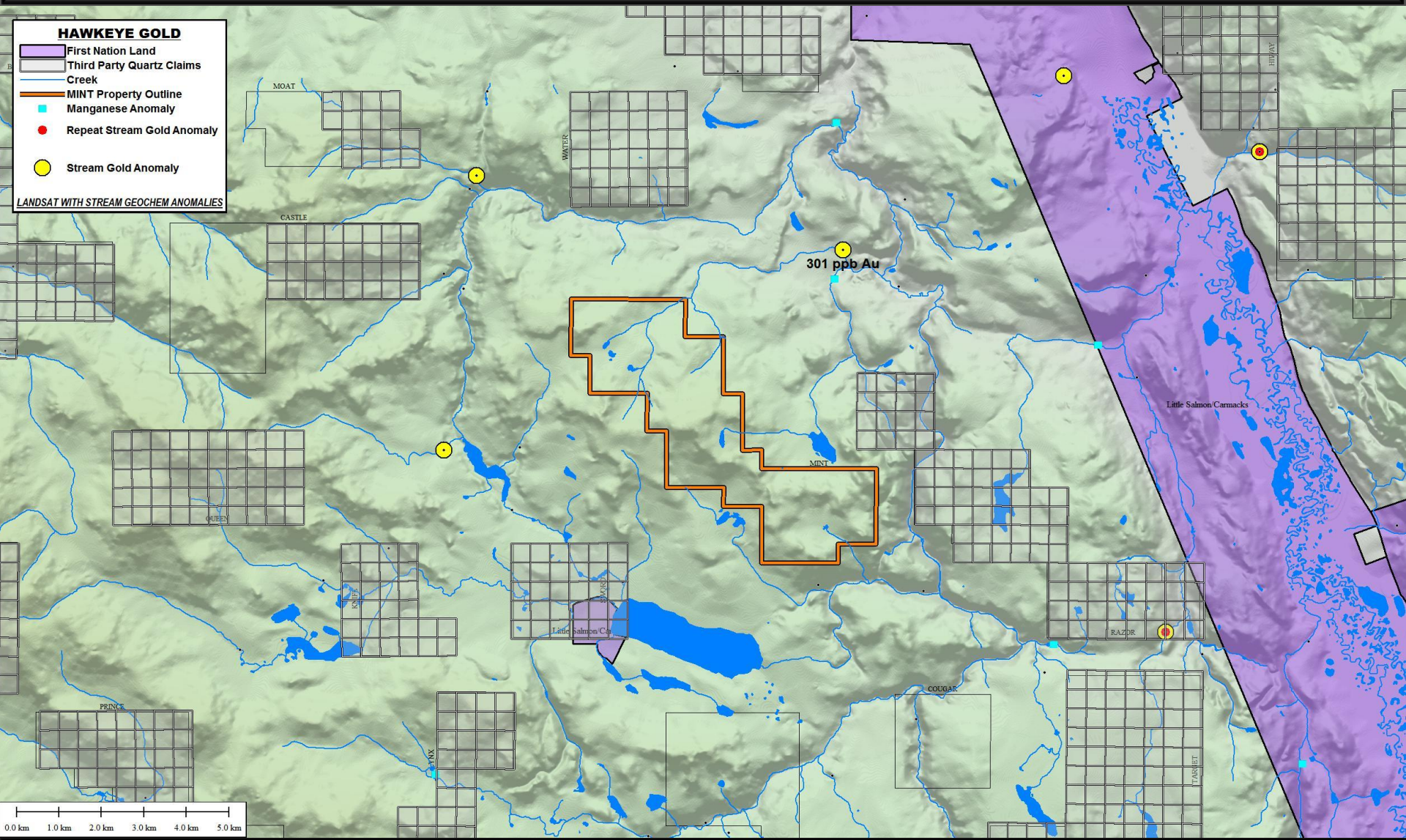
-  MINT PROPERTY
-  Other Hawkeye Property
-  22Ka Glacial Limit
-  Carmacks Caldera Outer Ring Fault
-  ROAD

SOUTH CENTRAL YUKON

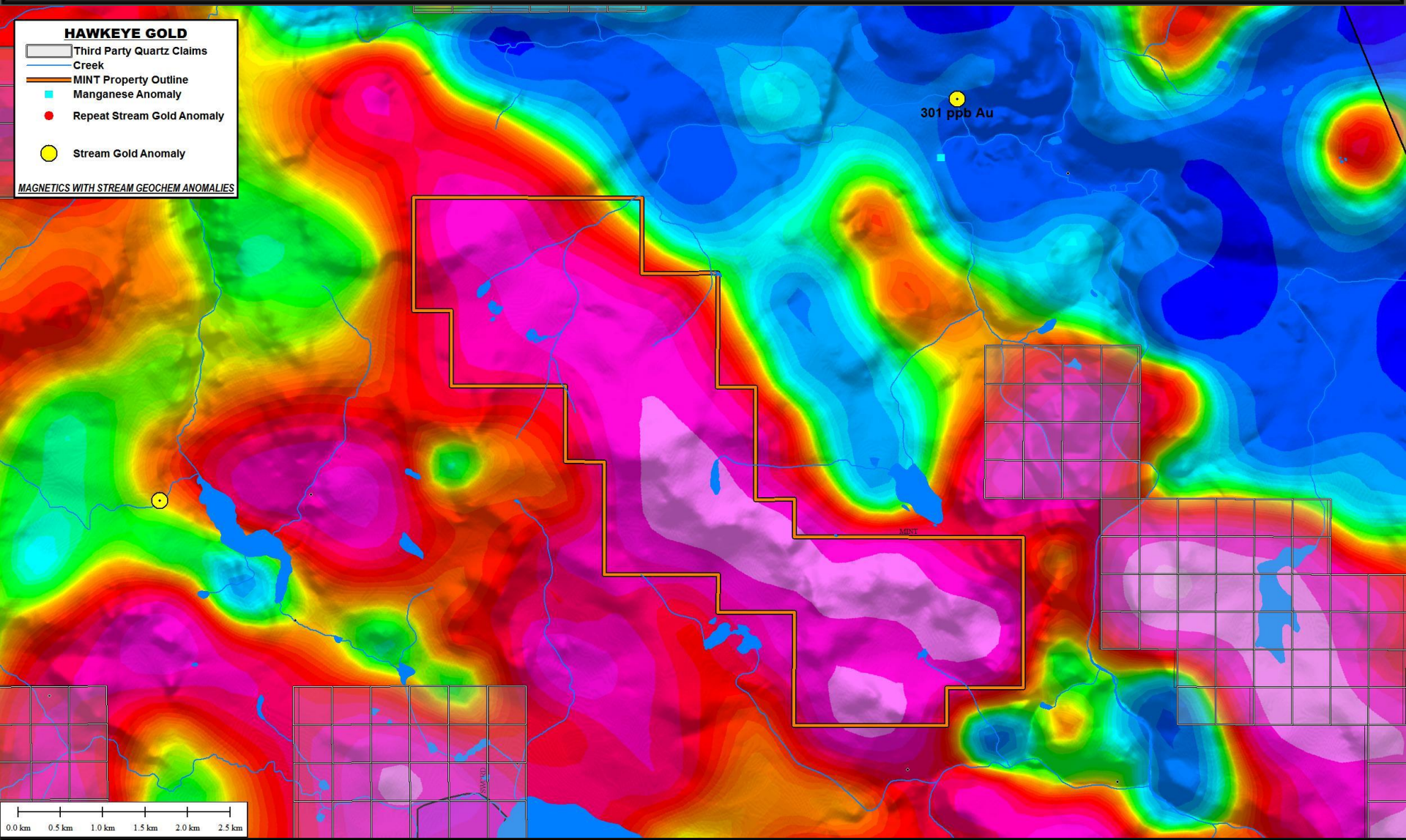


**MINT Property**

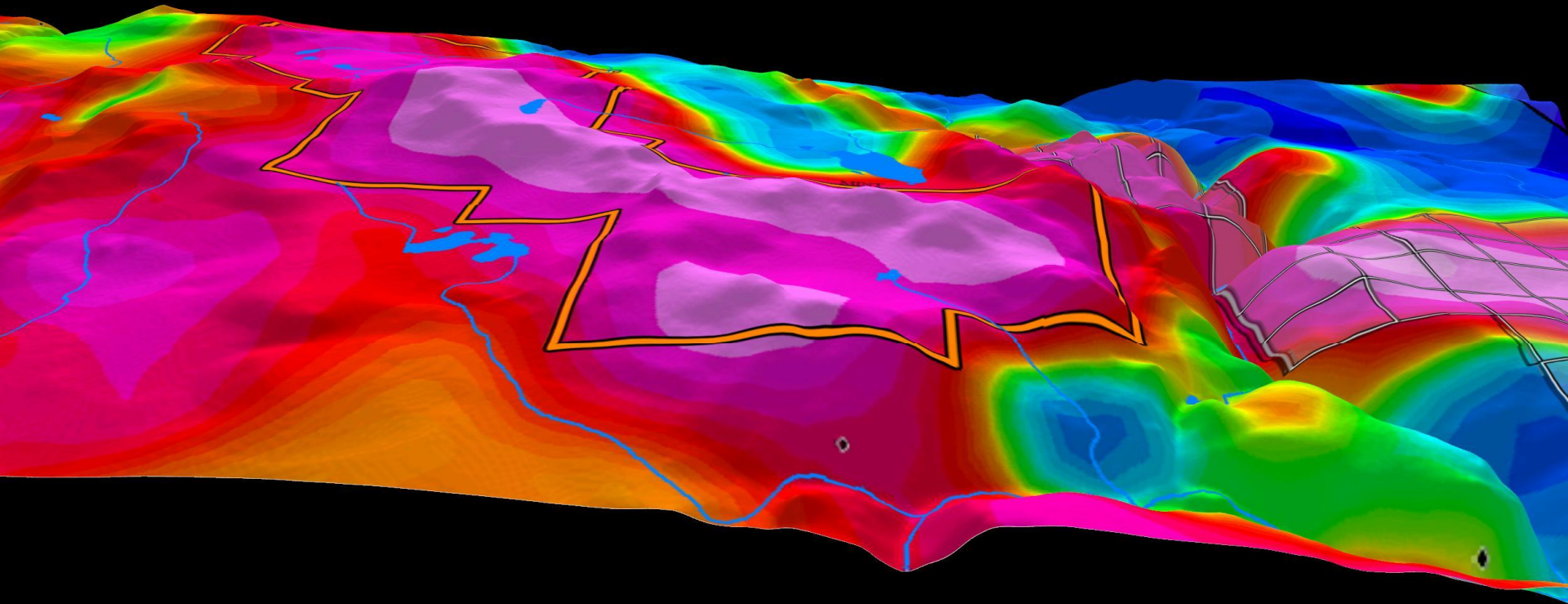
# MINT Property



# MINT Property



# MINT Property



# MINT Property



**HAWKEYE GOLD**

- First Nation Land
- Granodiorite/Diorite/Monzodiorite
- Quartz monzonite/Granite/Aplite/Pegmatite
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*GEOLOGY WITH STREAM GEOCHEM ANOMALIES*

