# GOATHORN: Bulkley / Prosperity Porphyry Prospect in West-central B.C.

HARVEST GOLD

**Technical Presentation**

APRIL 2022

TSXV: **HVG**

# FORWARD LOOKING INFORMATION

Some statements in this presentation contain forward looking information. These statements address future events and conditions and, as such, involve inherent risk and uncertainties. Actual results could be significantly different from those projected. Risks and uncertainties of the Company's business are discussed in the Management Discussion and Analysis of the Company's Annual and Quarterly Reports, available both on the Company's website at www.harvestgoldcorp.com and at www.SEDAR.com.

A number of mineral resources or significant occurrences disclosed herein relate to nearby properties owned by other companies, and the data presented have been extracted from these companies' press releases and websites. A Qualified Person has been unable to verify this information from the adjacent properties, and such results are not necessarily indicative of potential quantities or grades of mineralization on the Company's properties.

Warren Bates, P.Geo., Director of Property Investigation for Harvest Gold, the Qualified Person for this document for the purposes of National Instrument 43-101, prepared or supervised the preparation of the technical information contained herein. **Please do your own due diligence.**

# WHY DO WE SEE GOATHORN AS A PORPHYRY PROJECT?

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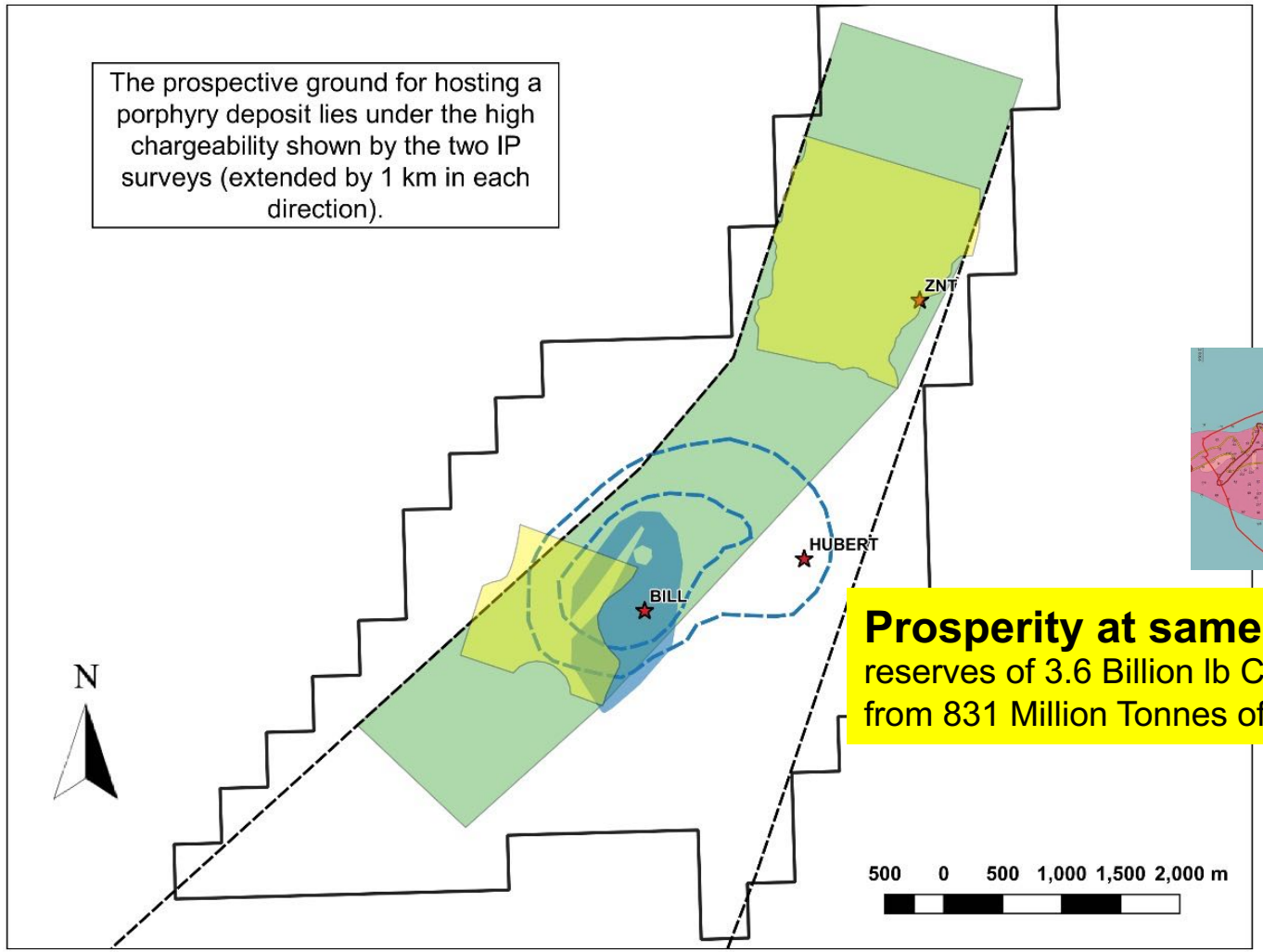
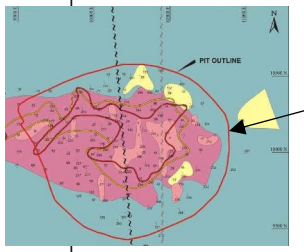
- Buried intrusive centre
- Cu-bearing Minfile occurences
- Structural control

- Several porphyritic intrusive phases, including a quartz-monzonite dyke with high Au-Cu ratio
- Extensive chargeability IP anomaly suggesting a sulphide-bearing hydrothermal system at least 5.3 km long

# IS THERE ROOM TO HOST A MAJOR PORPHYRY DEPOSIT?




Prosperity Pit shell

**Prosperity at same scale:** P&P reserves of 3.6 Billion lb Cu; 7.7 Million oz Au from 831 Million Tonnes of ore**

**Technical Report on the 334 Million Tonne Increase in Mineral Reserves at the Prosperity Gold-Copper Project S. Jones, Dec. 17, 2009

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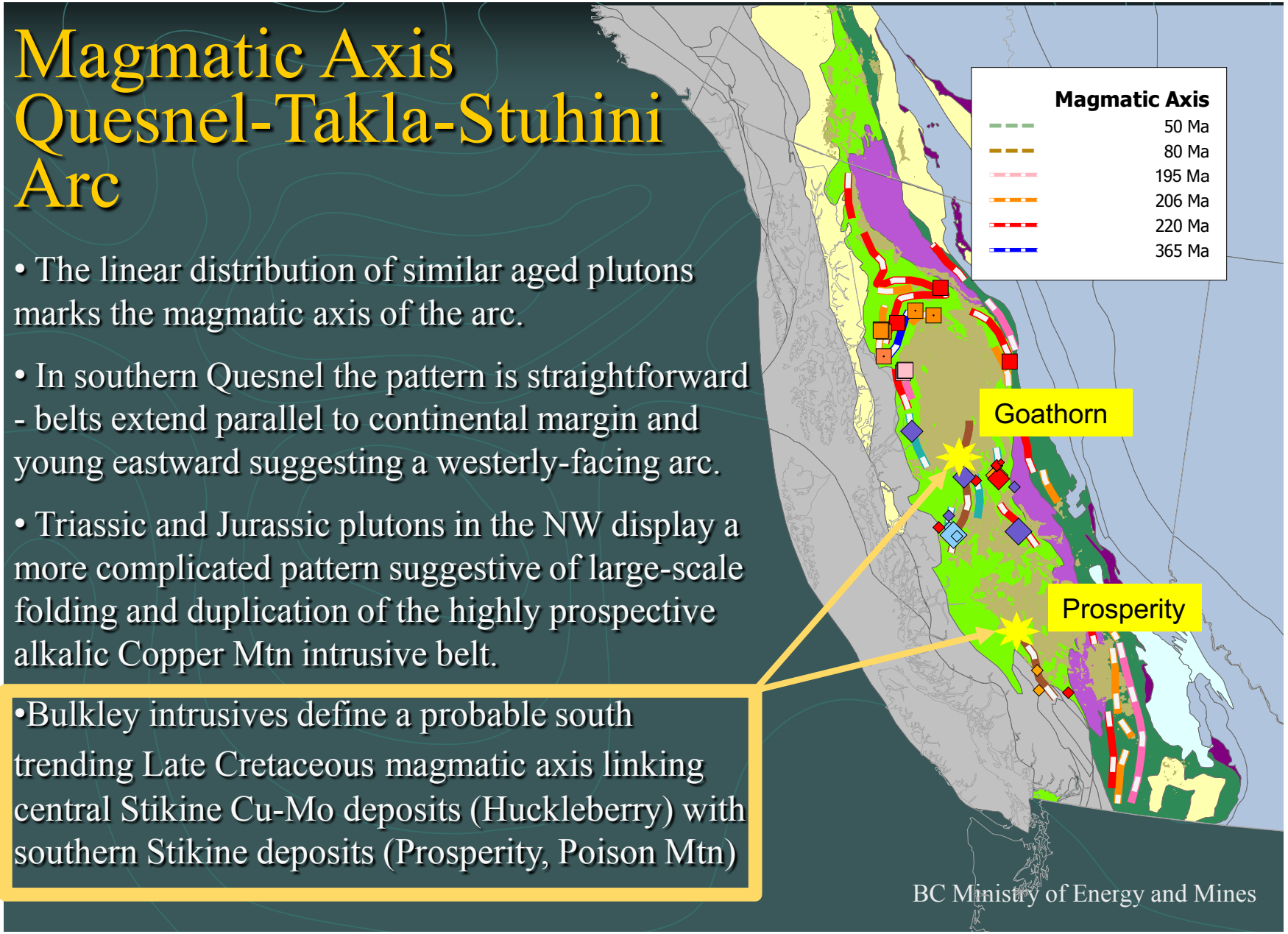
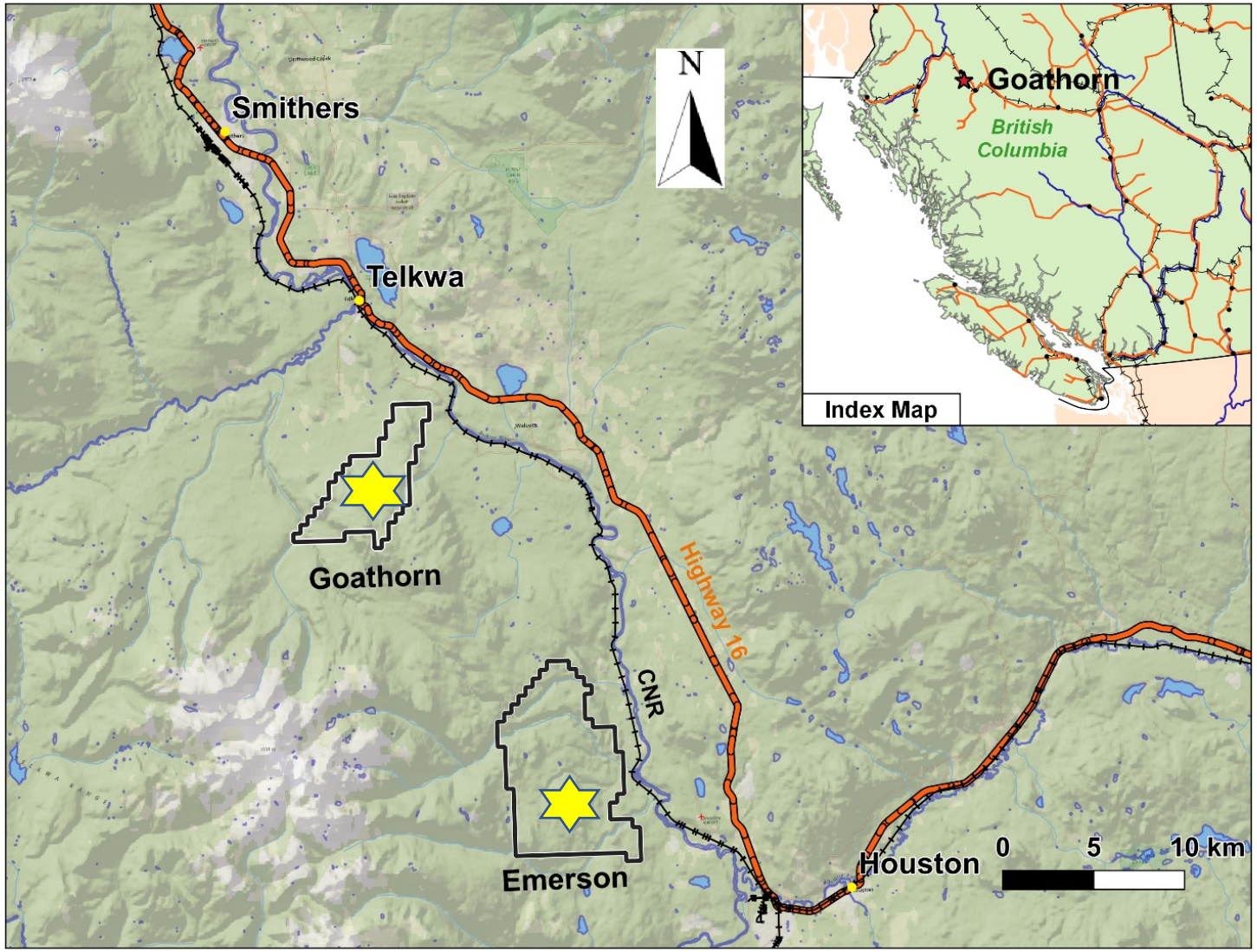
# Magmatic Axis Quesnel-Takla-Stuhini Arc

- The linear distribution of similar aged plutons marks the magmatic axis of the arc.
- In southern Quesnel the pattern is straightforward - belts extend parallel to continental margin and young eastward suggesting a westerly-facing arc.
- Triassic and Jurassic plutons in the NW display a more complicated pattern suggestive of large-scale folding and duplication of the highly prospective alkalic Copper Mtn intrusive belt.
- Bulkley intrusives define a probable south trending Late Cretaceous magmatic axis linking central Stikine Cu-Mo deposits (Huckleberry) with southern Stikine deposits (Prosperity, Poison Mtn)




Source: BC Geological Society Stikine Terrane Cu, Cu-Au & Mo Porphyry Deposits Exploration Undercover Workshop Oct. 12, 2011 BC Geological Survey

# LOCATION


N
Smithers
Telkwa
Goathorn
Emerson
CNR
Highway 16
Houston
0
5
10 km
Goathorn
British Columbia
Index Map

# INFRASTRUCTURE

## INFRASTRUCTURE ADVANTAGES

6 km south of Telkwa

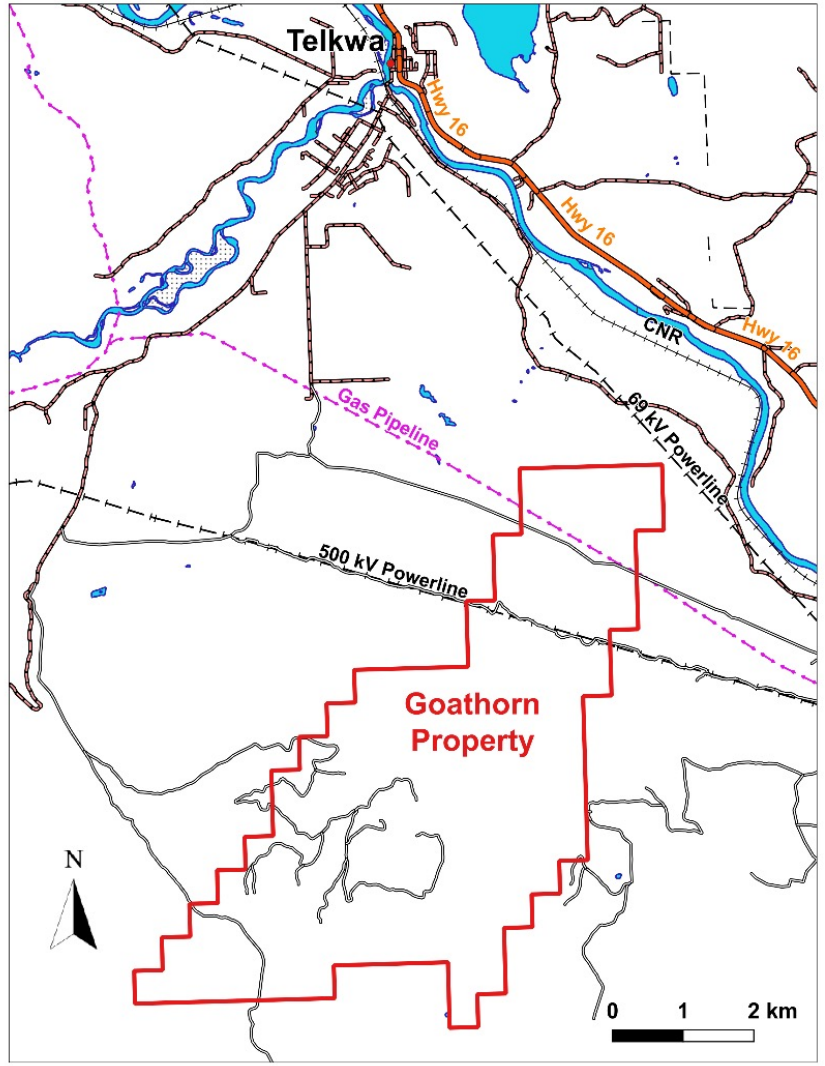
Recent logging roads in SW portion of property

Older logging & powerline access roads throughout property

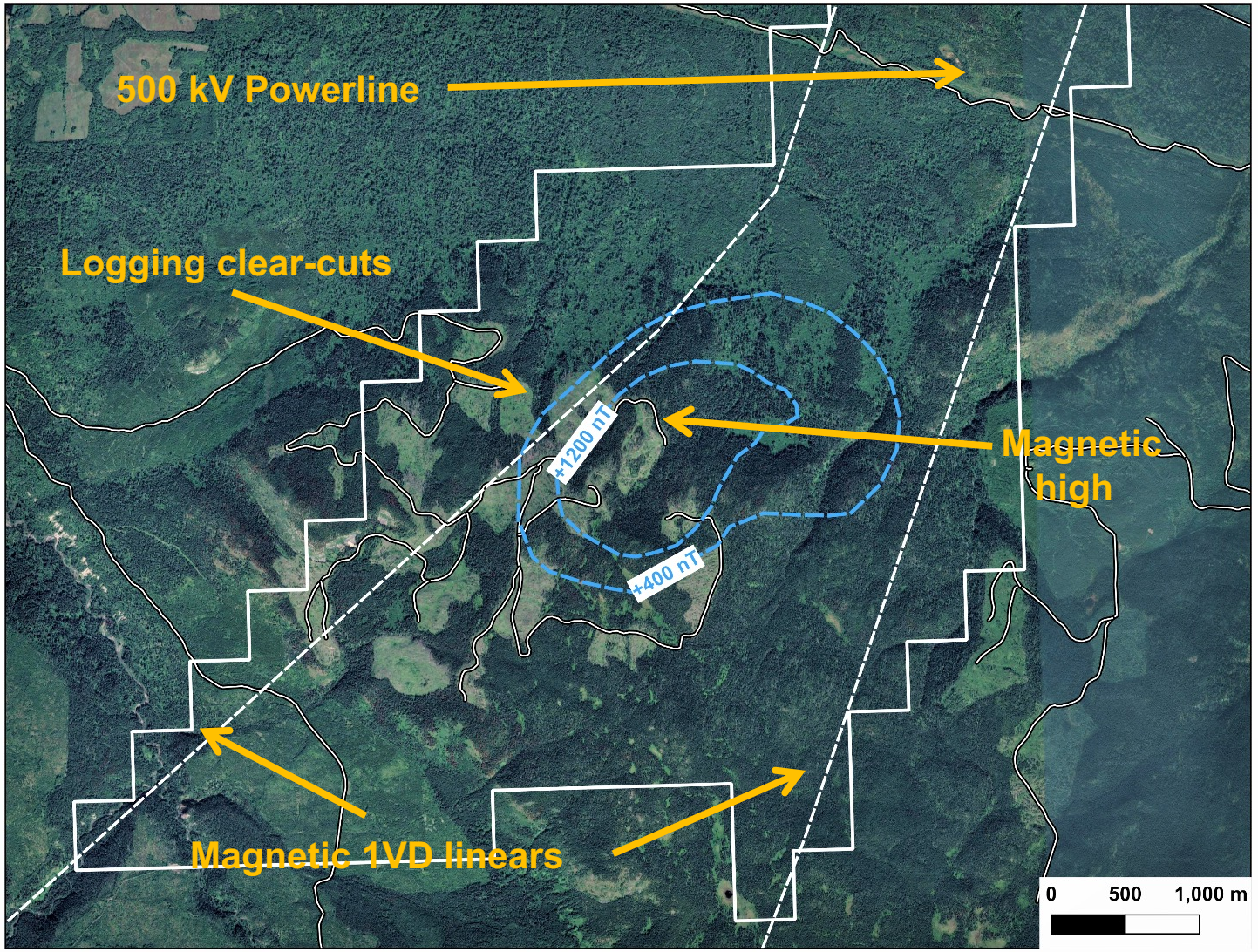
500 kV powerline on property

Gas pipeline on property

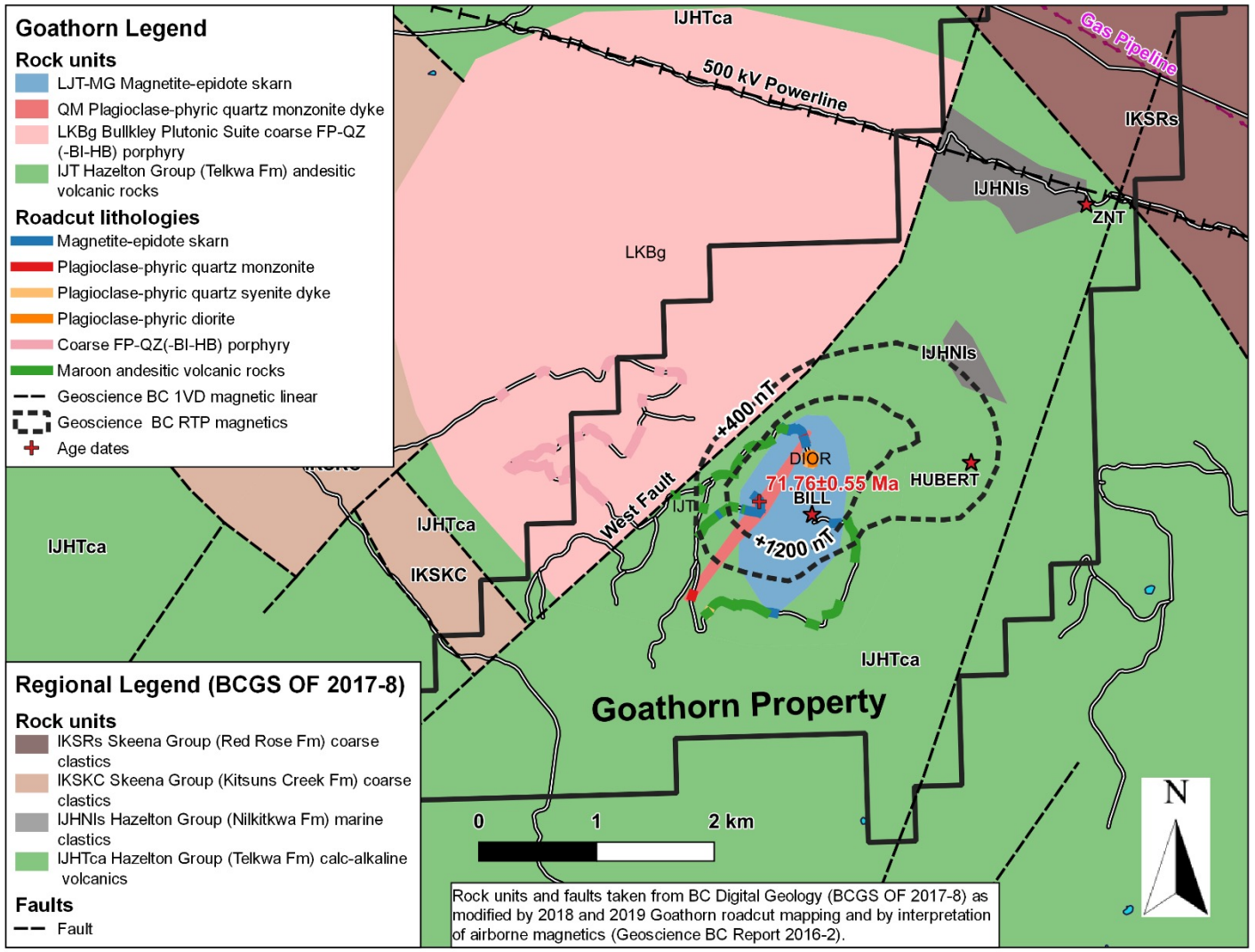
CNR railway 2 km away



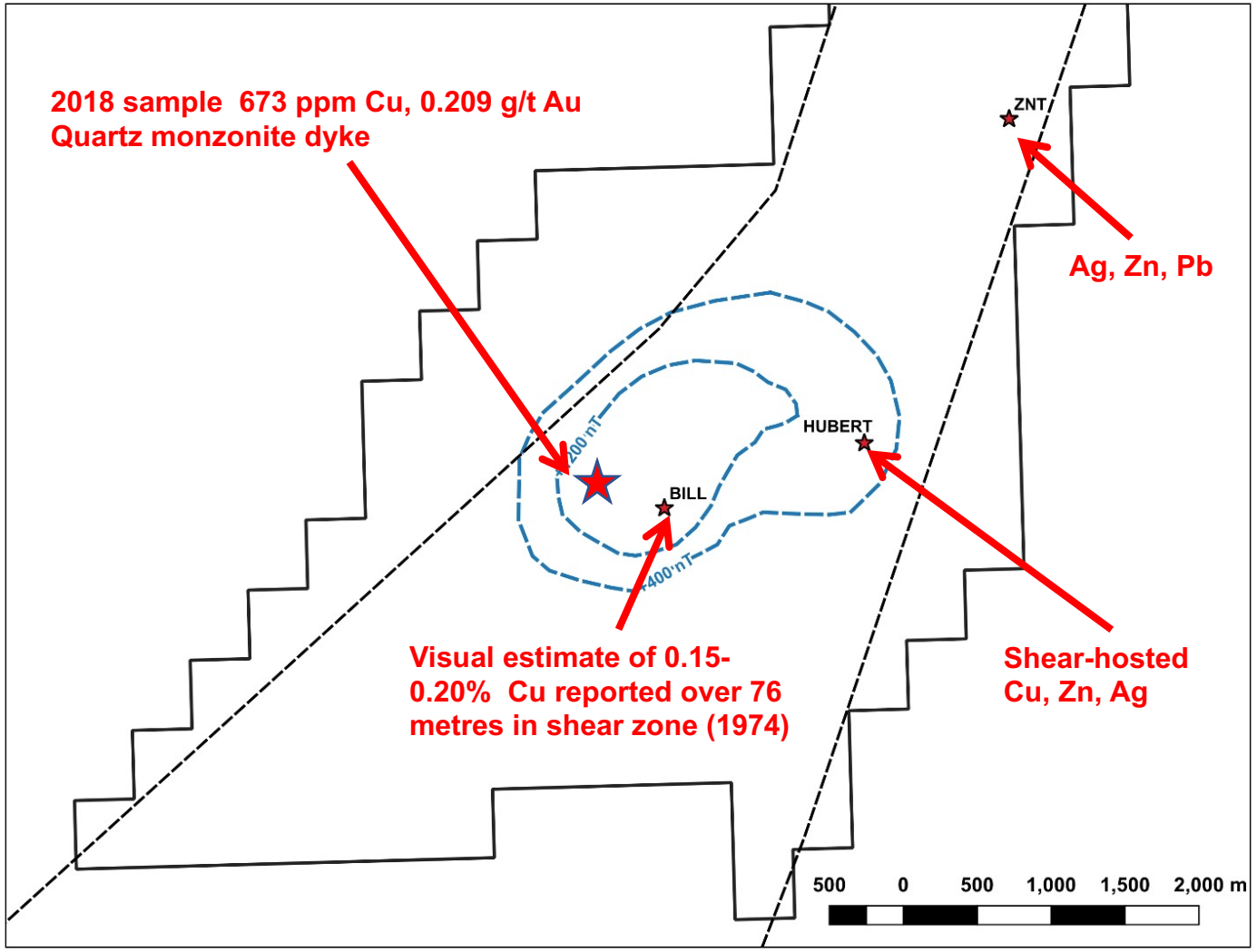
# NEW LOGGING IMPROVES PROJECT ACCESS




# PROPERTY GEOLOGY




# KNOWN MINERAL OCCURENCES




# CHALCOPYRITE-BEARING PLAGIOCLASE-PHYRIC QUARTZ MONZONITE DYKE

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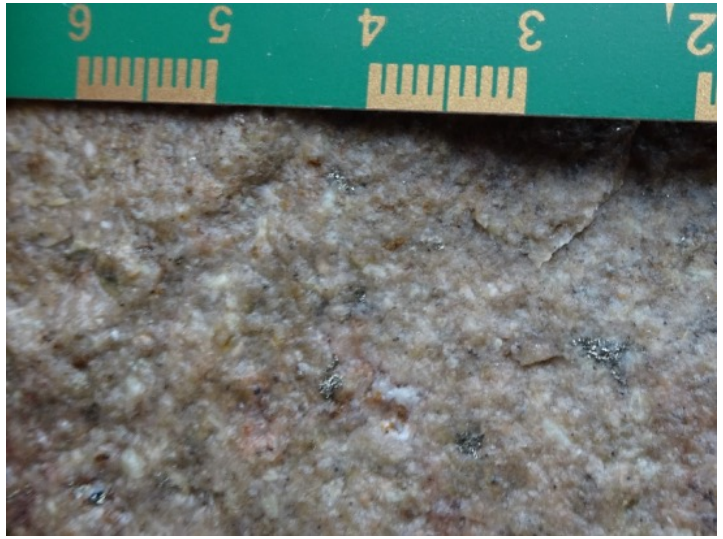
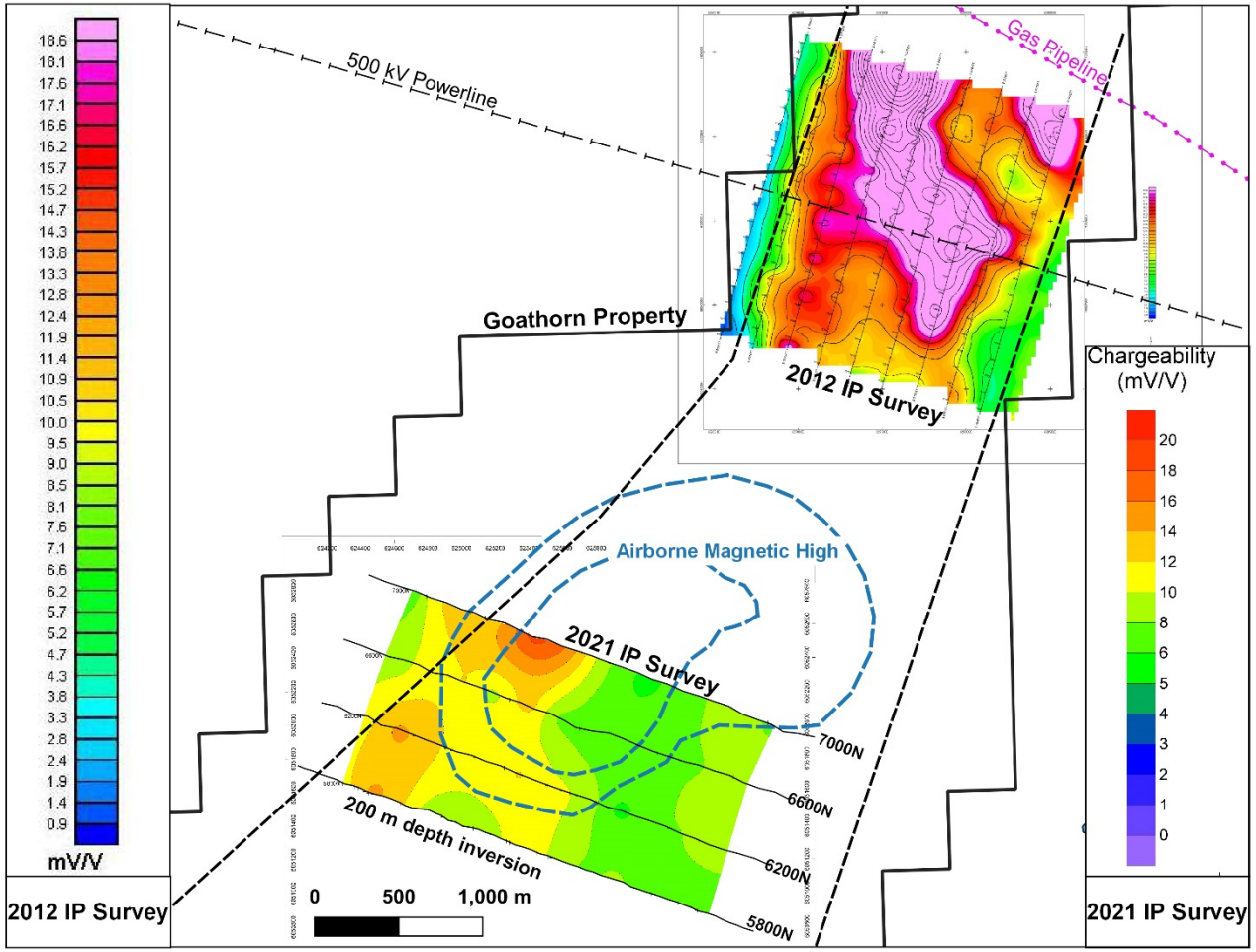


# CHARGEABILITY




# EXTENSIVE (>5.3 km long) HYDROTHERMAL FOOTPRINT

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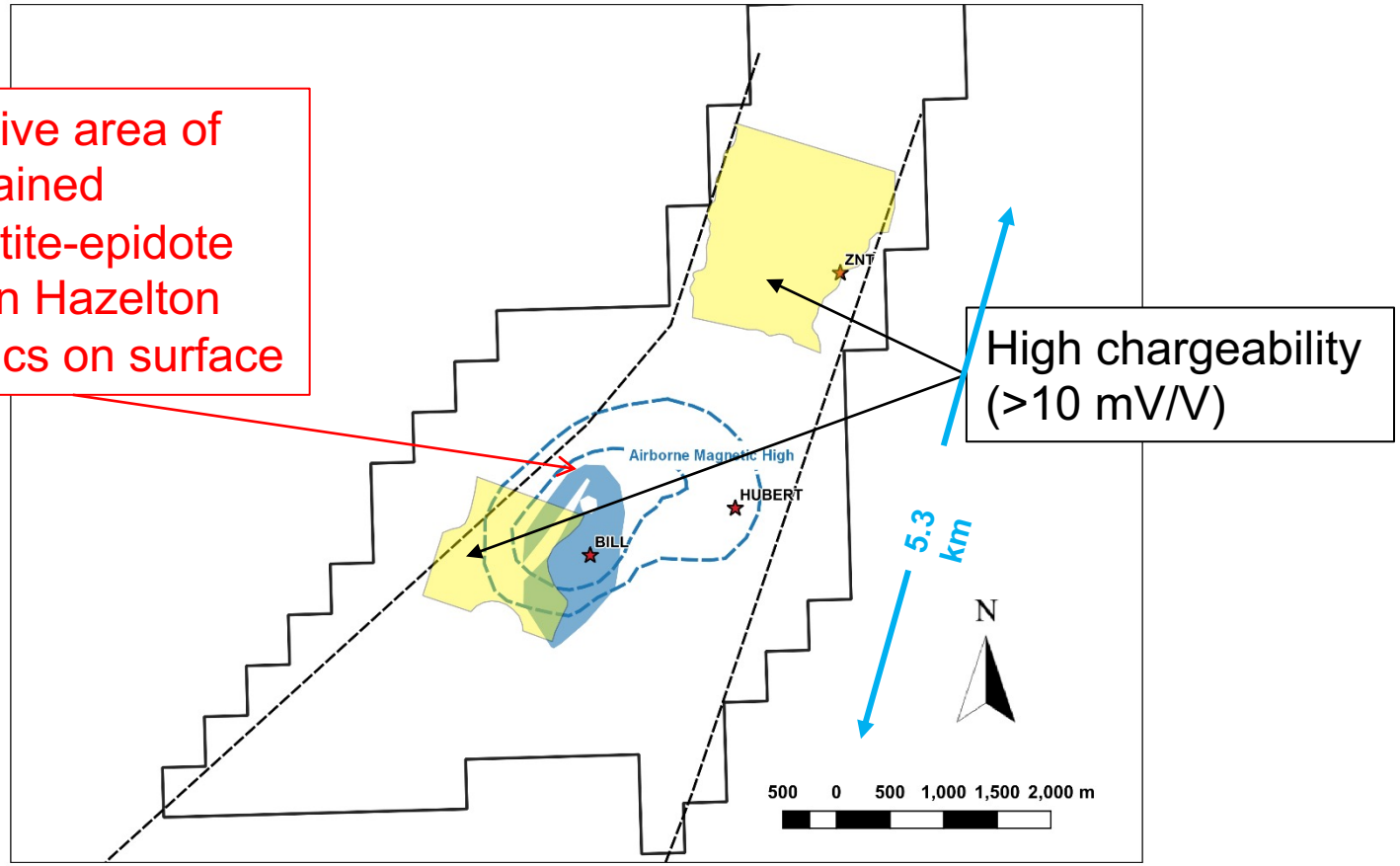
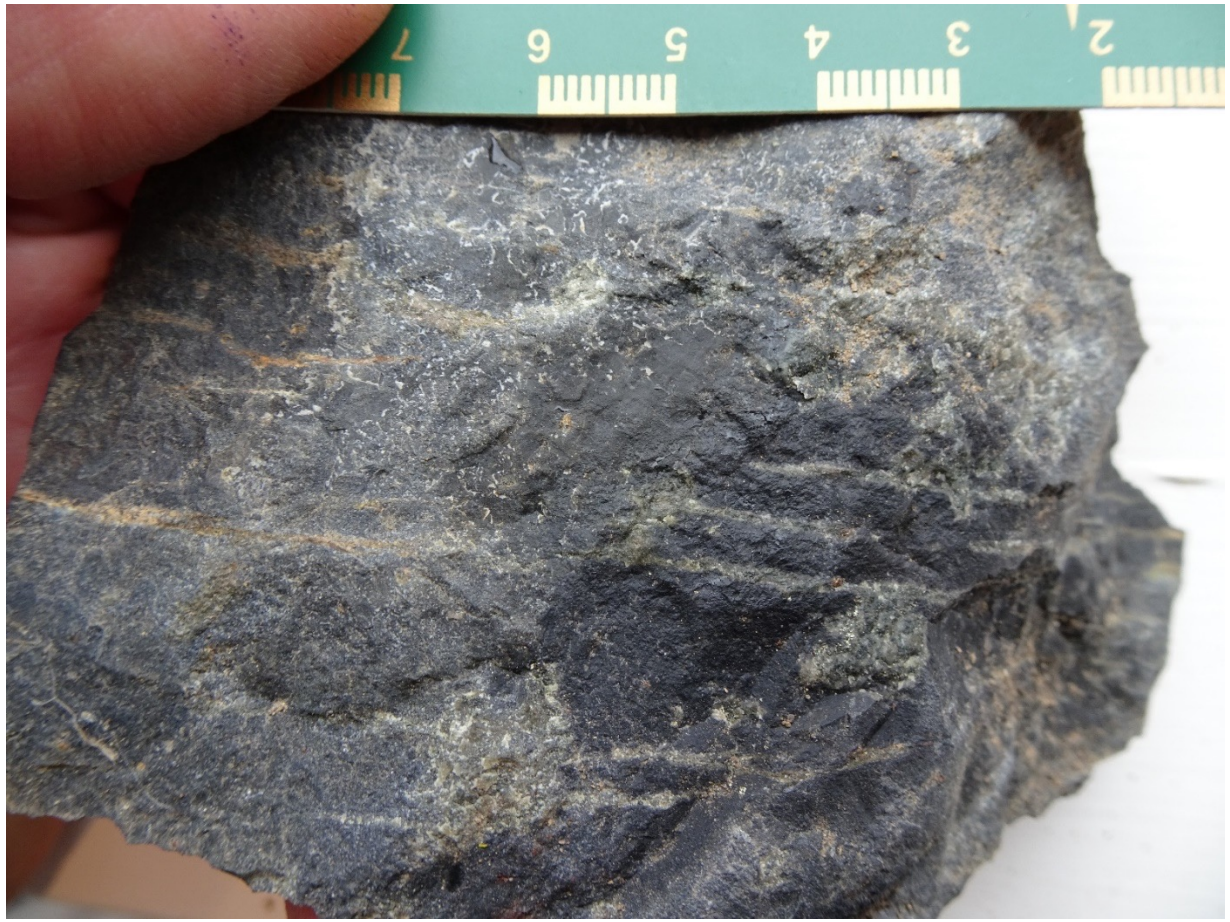
Extensive area of fine-grained magnetite-epidote skarn in Hazelton volcanics on surface




High chargeability (>10 mV/V)

# FINE-GRAINED MAGNETITE EPIDOTE SKARN



# GEOLOGICAL CONCLUSIONS

West Fault coincides with 1VD magnetic linear

Large area of strongly magnetic skarn: needs a large source of hydrothermal fluids at depth

Four FP porphyry dyke phases east of West Fault in Telkwa Fm. andesitic volcanics: indicative of high-level magmatic system

Two Cu Minfile occurrences incorrectly described as redbed Cu: suspected leakage above porphyry

Mineralized quartz monzonite dyke with disseminated chalcopyrite and pyrite (673 ppm Cu, 0.209 g/t Au)

# SUMMARY

## Cu-Au PORPHYRY DEPOSIT.

Late Cretaceous (71.76 Ma), a prolific porphyry belt

## BIG.

Geophysical surveys show >5.3 km long x 1.3 km – 1.6 km wide hydrothermal system

## Au-RICH?

Suggested by high Au:Cu ratio of chalcopyrite-bearing dyke at surface

## DOESN"T DAYLIGHT.

Weak Cu soil geochemistry, even though road-cuts demonstrate thin soil cover

## BUT NOT TOO DEEP.

High chargeability at a hundred metres depth and extensive skarn on surface suggest that a large source of hydrothermal fluids is near

## NEXT STEP: DRILL.

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## Technical Appendix

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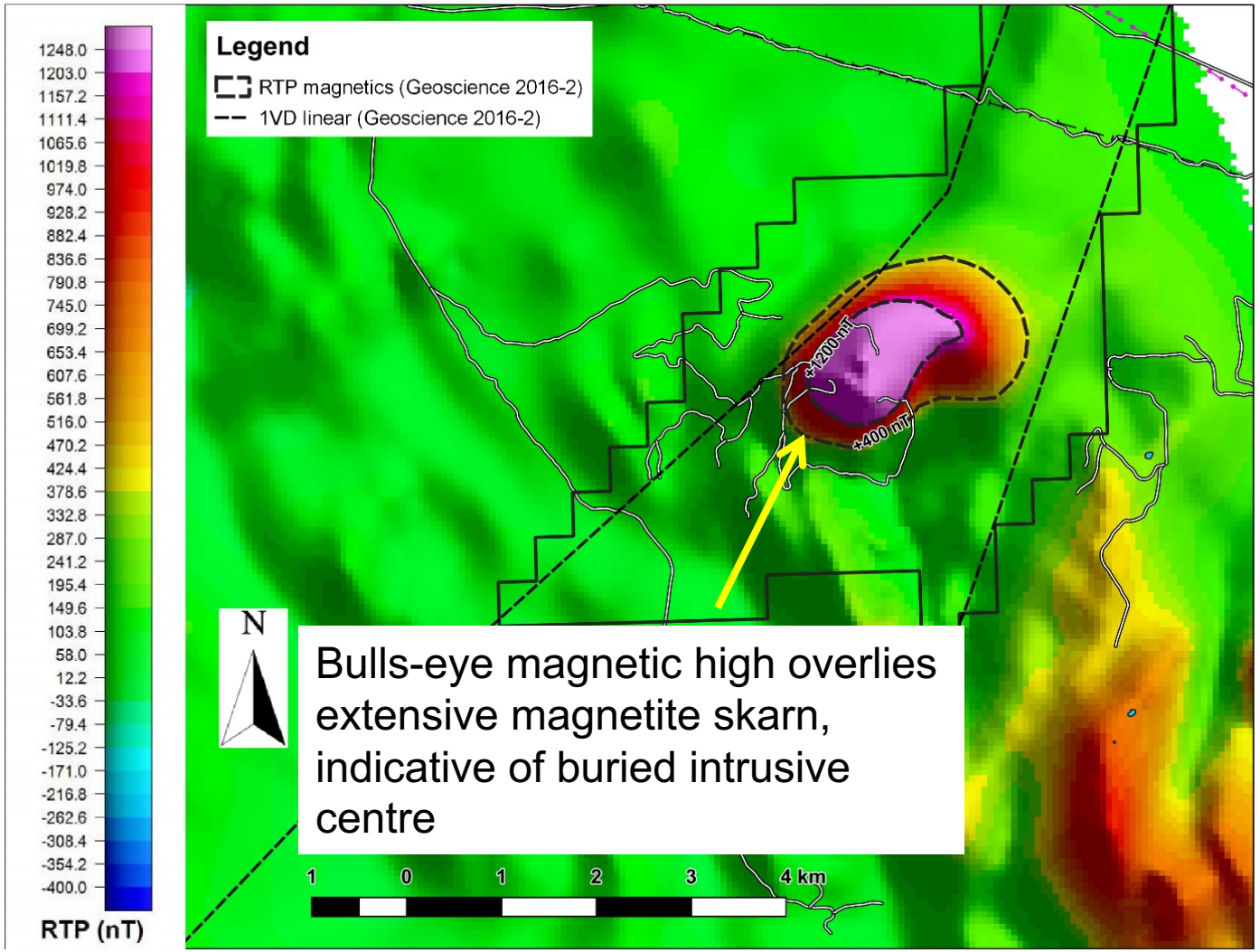
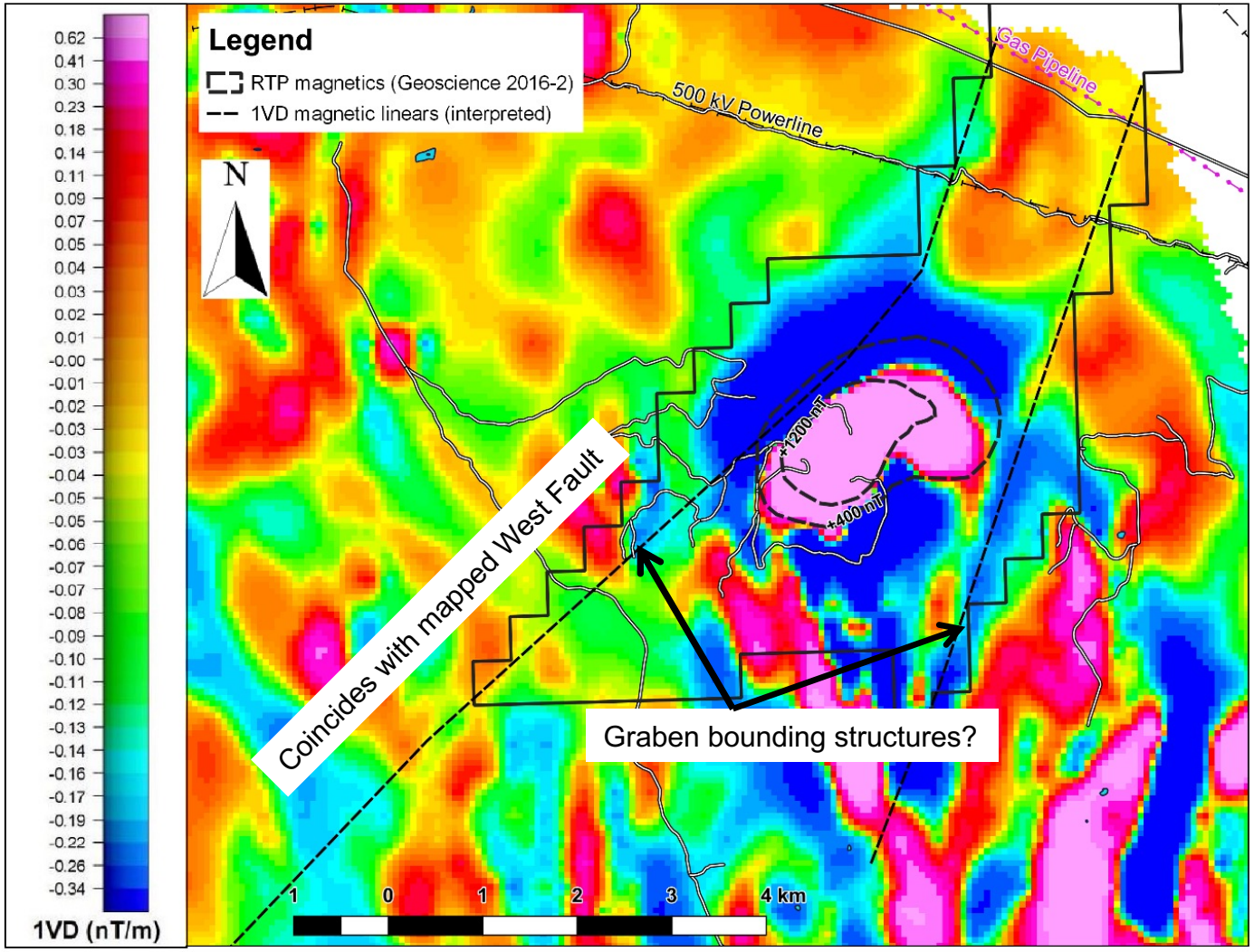
# RTP MAGNETICS SHOW BURIED INTRUSIVE CENTRE



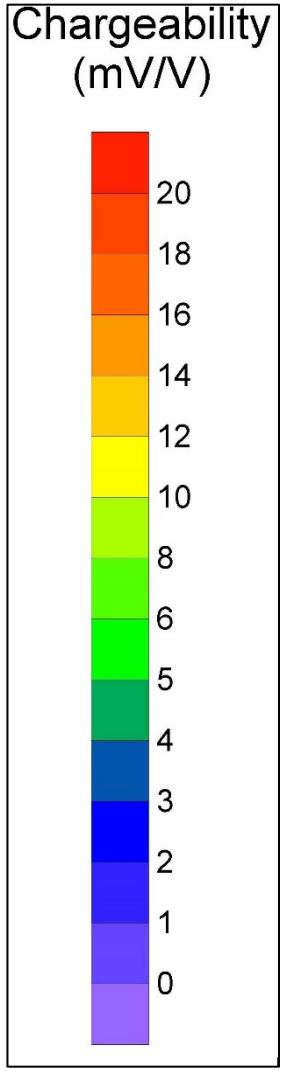

# FIRST DERIVATIVE (1VD) MAGNETICS INDICATE GRABEN?

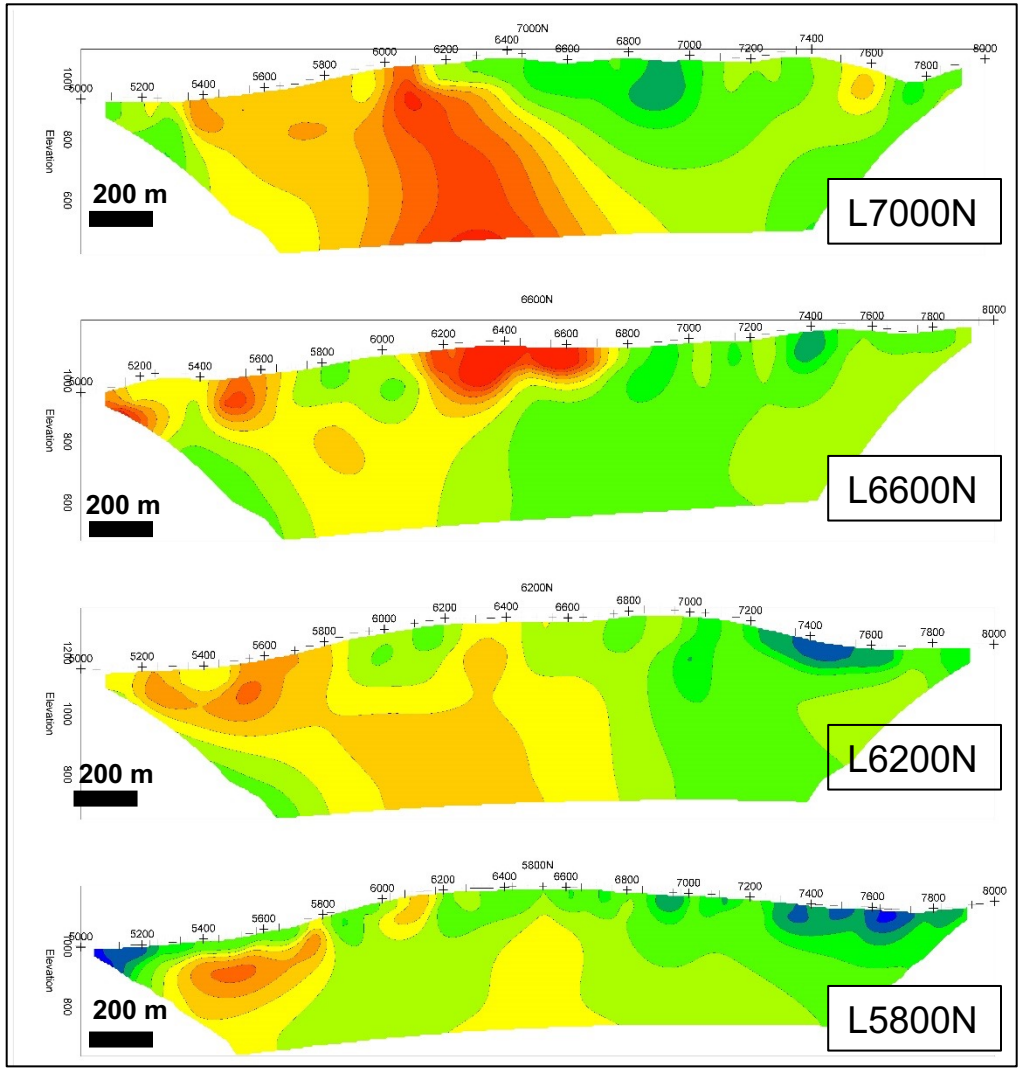



# FOUR PORPHYRITIC DYKE PHASES

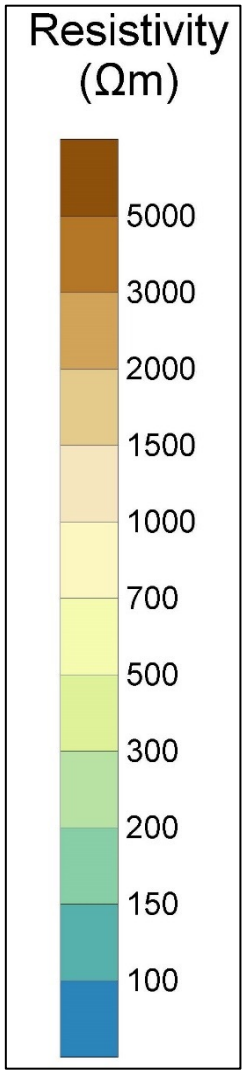
| | | |
|---|---|---|
| **QM:** plagioclase-phyric quartz monzonite (dated at 71.76 Ma…Bulkley Plutonic Suite) |  | |
| **$FPPO_1$** : Plagioclase-phyric quartz syenite | | |
| **$FPPO_2$** : Foliated plagioclase-phyric hypabyssal unit | | |
| **Diorite** | | |

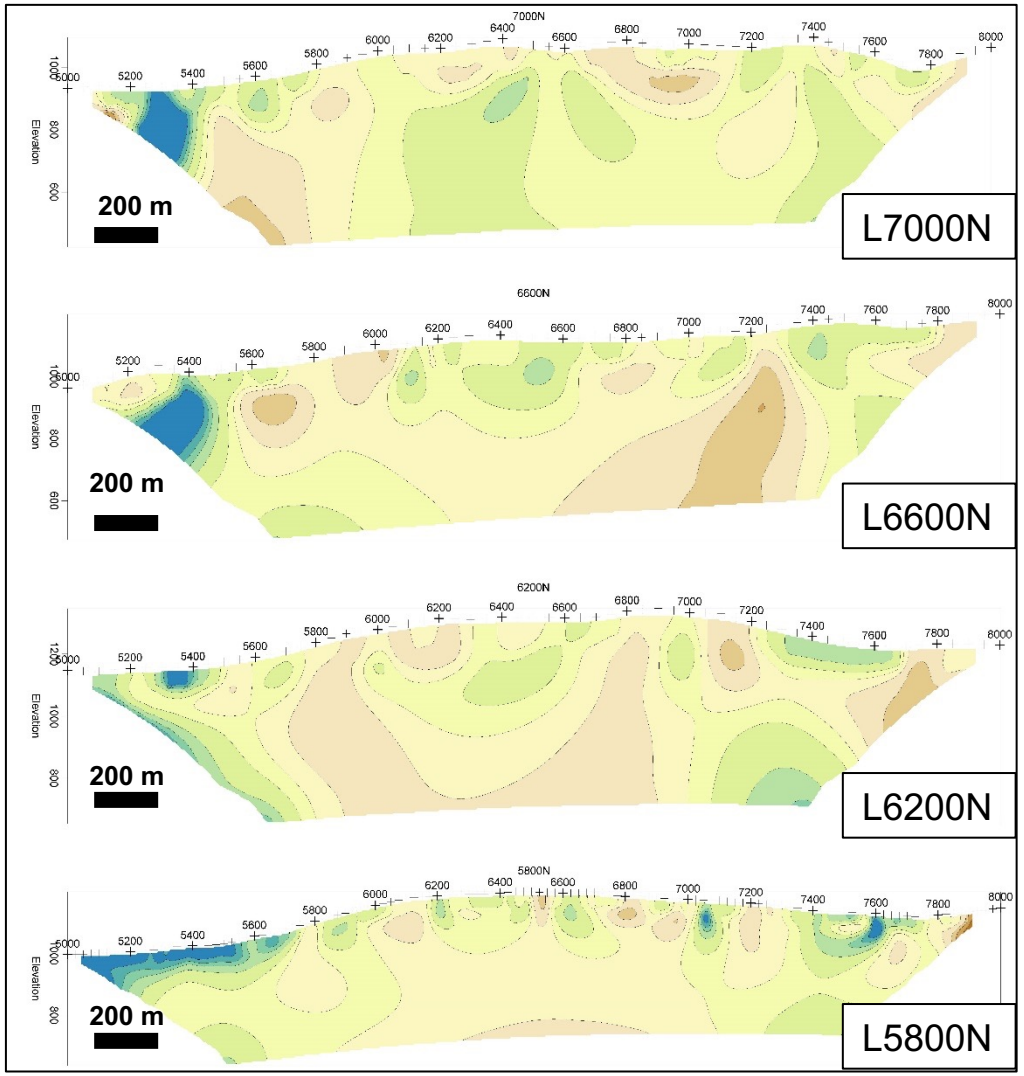
# CHARAGEABILITY SECTIONS LOOKING (020º)




# RESISTIVITY SECTIONS LOOKING (020º)

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