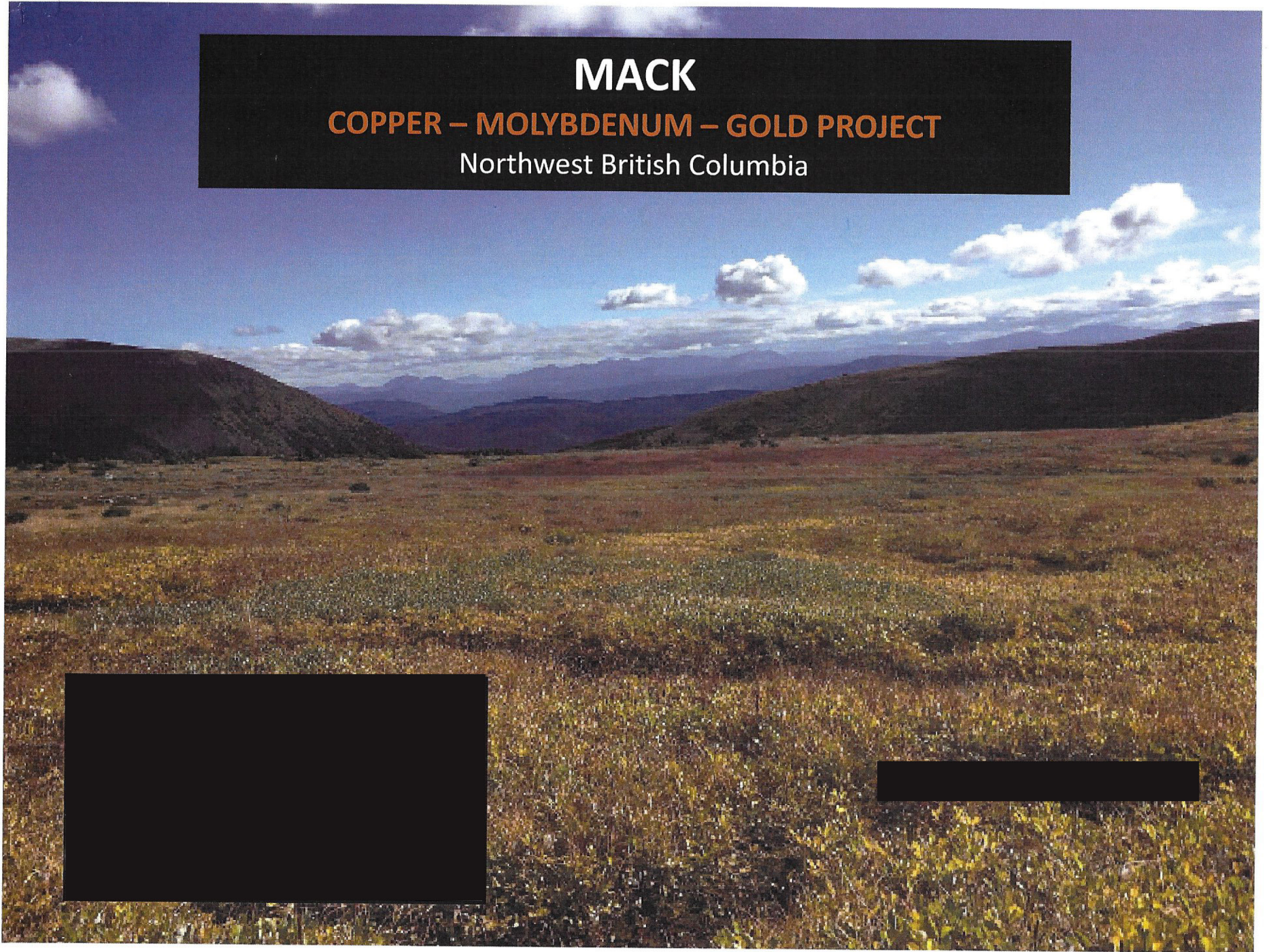


**MACK**

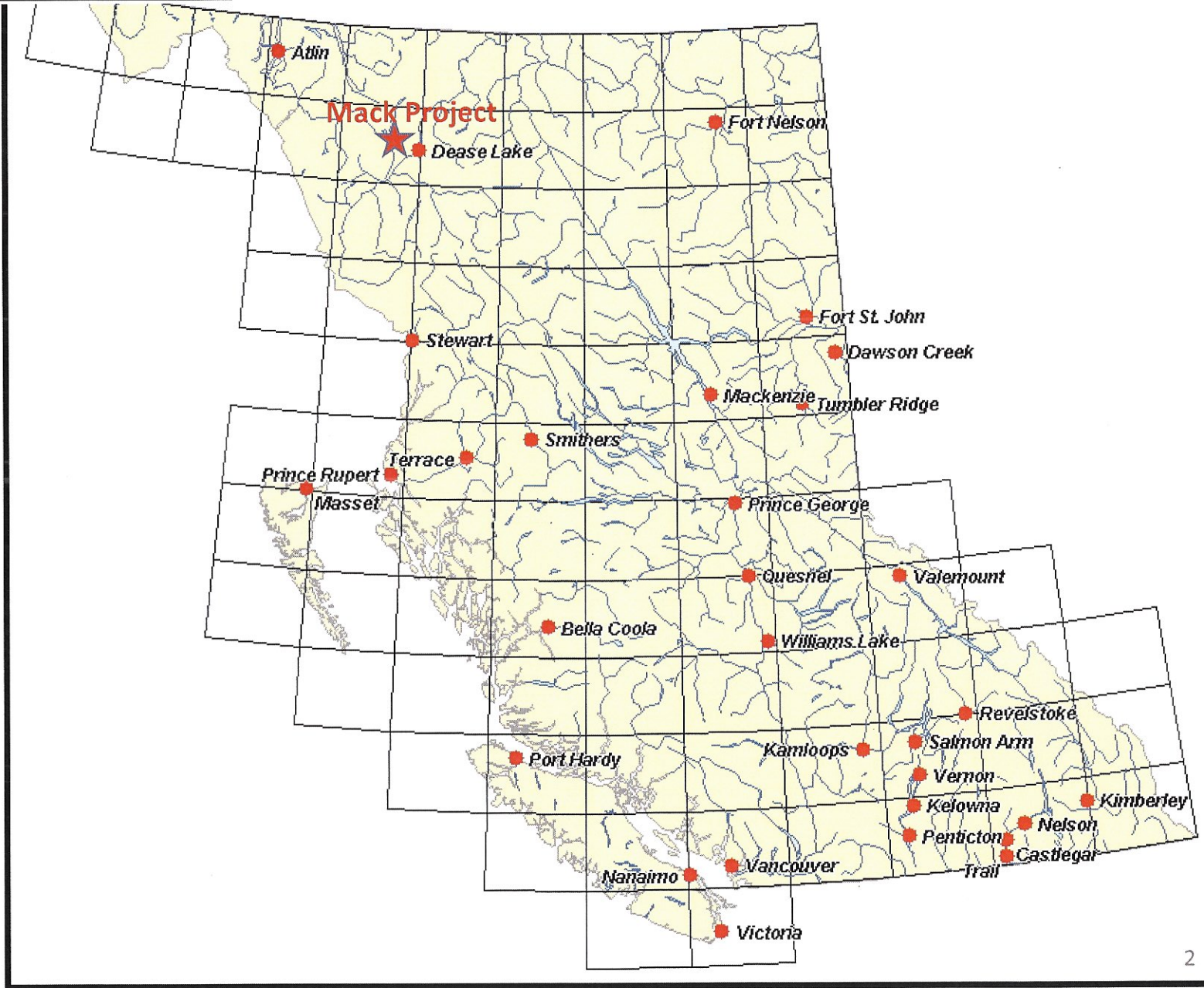
**COPPER – MOLYBDENUM – GOLD PROJECT**

Northwest British Columbia



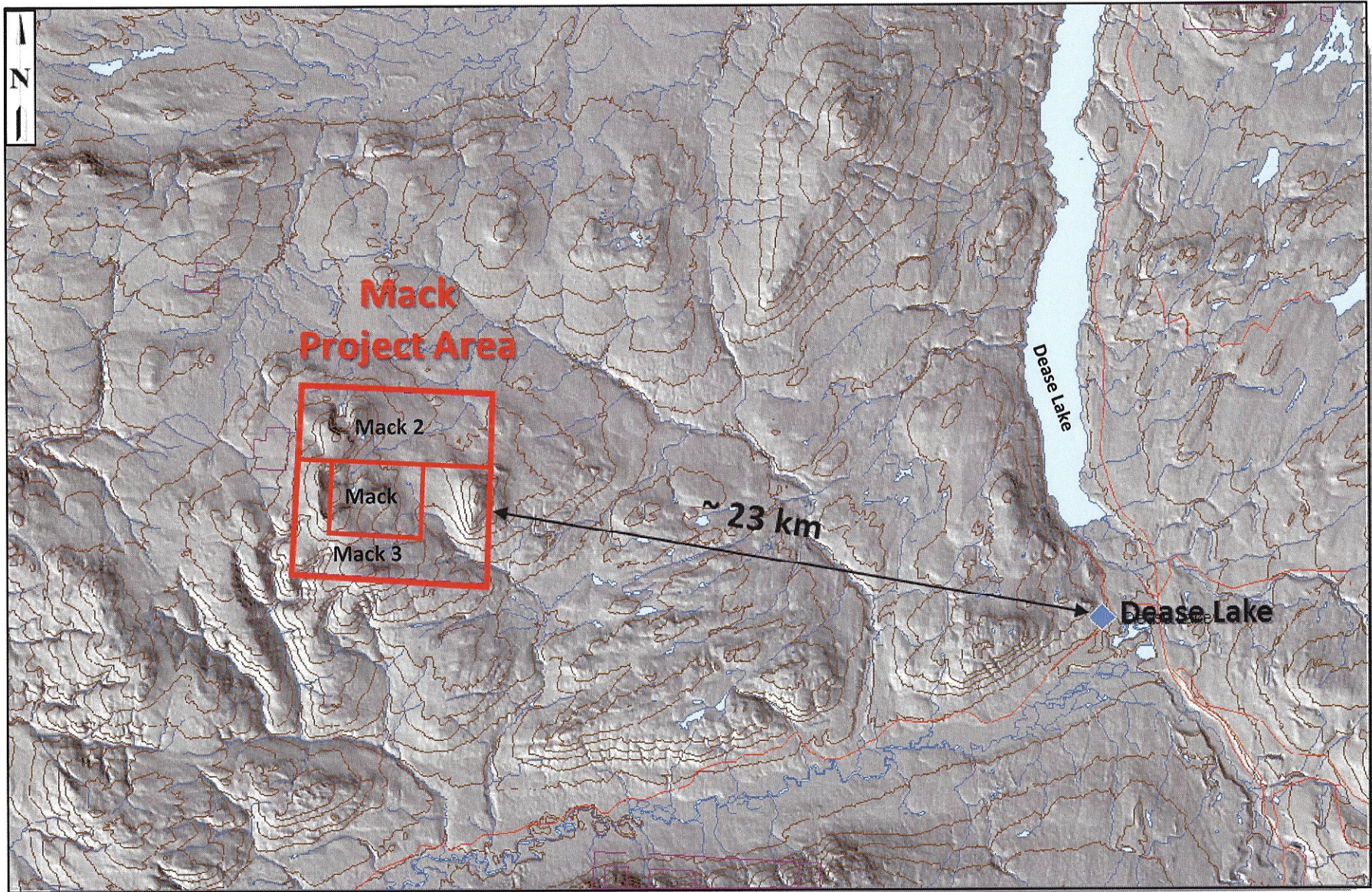


# MACK - B.C. Location



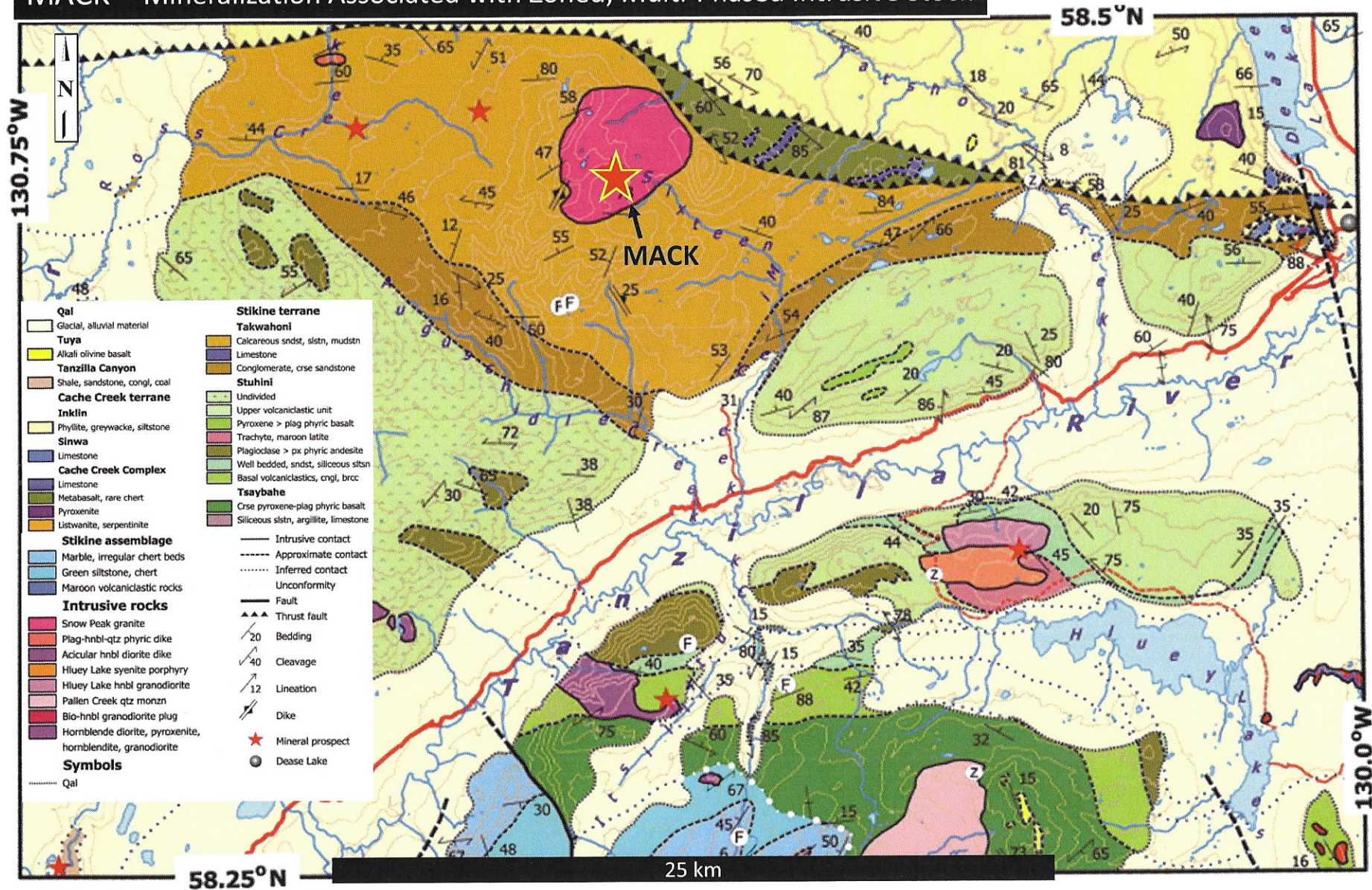


**MACK – UMS Owns 100% Of Property**





# MACK – Mineralization Associated with Zoned, Multi-Phased Intrusive Stock



Modified after Logan et. al., 2012 (Geoscience BC, QUEST-NW)



## MACK – Surface Surveys Have Developed An Important Scale Deposit Target

### History:

- Sulphide mineralization has been known at Snow Peak since the early 1960's and the showings were originally staked in 1966 by A. Nehase, of Dease Lake.
- The claims lapsed the following year and the ground remained open until 1969 when the Mack claims were staked by Tournigan Mining Ltd.
- Tournigan carried out geochemical and geological investigation in 1970 and 1971. The Mack Group was transferred to Tormex Resources Ltd. in 1972 (then a subsidiary of Tournigan) and additional claims were added to the group.
- In 1972, the soil sampling survey was expanded and a 28 line mile vertical field magnetometer survey was carried out.
- In the 1975-1976 assessment years, some road construction and trenching were carried out and an IP survey over an area of approximately 750 by 900m was completed (five lines).
- During summer 1979, the existing trench from 1976 (Trench #1) was extended (Trench #2), and in addition, two pits were dug in the heart of the IP anomaly.

### 1971:

- Soil sampling  
Tournigan Mining- AR 3207

### 1972:

- Soil sampling (Continuation of 1971 geochemical survey)
- Ground magnetometer surveying  
Tormex Resources- AR 3848

### 1976:

- Trenching
- IP Surveys  
Tormex Resources- AR 6354

### 1979:

- Extension of the 1976 trenches, digging pits  
Tormex Resources- AR 7657

### 2017:

- **Reprocessing of 2012 Geoscience BC Airborne Magnetic Data & 1976 Induce Polarization Data**  
United Mineral Services- AR 37,279

### 2018:

- **Geochemical Soil Survey**  
United Mineral Services- 400 Samples



## MACK – Historical Notes

### **Tournigan Report (Property Files, 1974):**

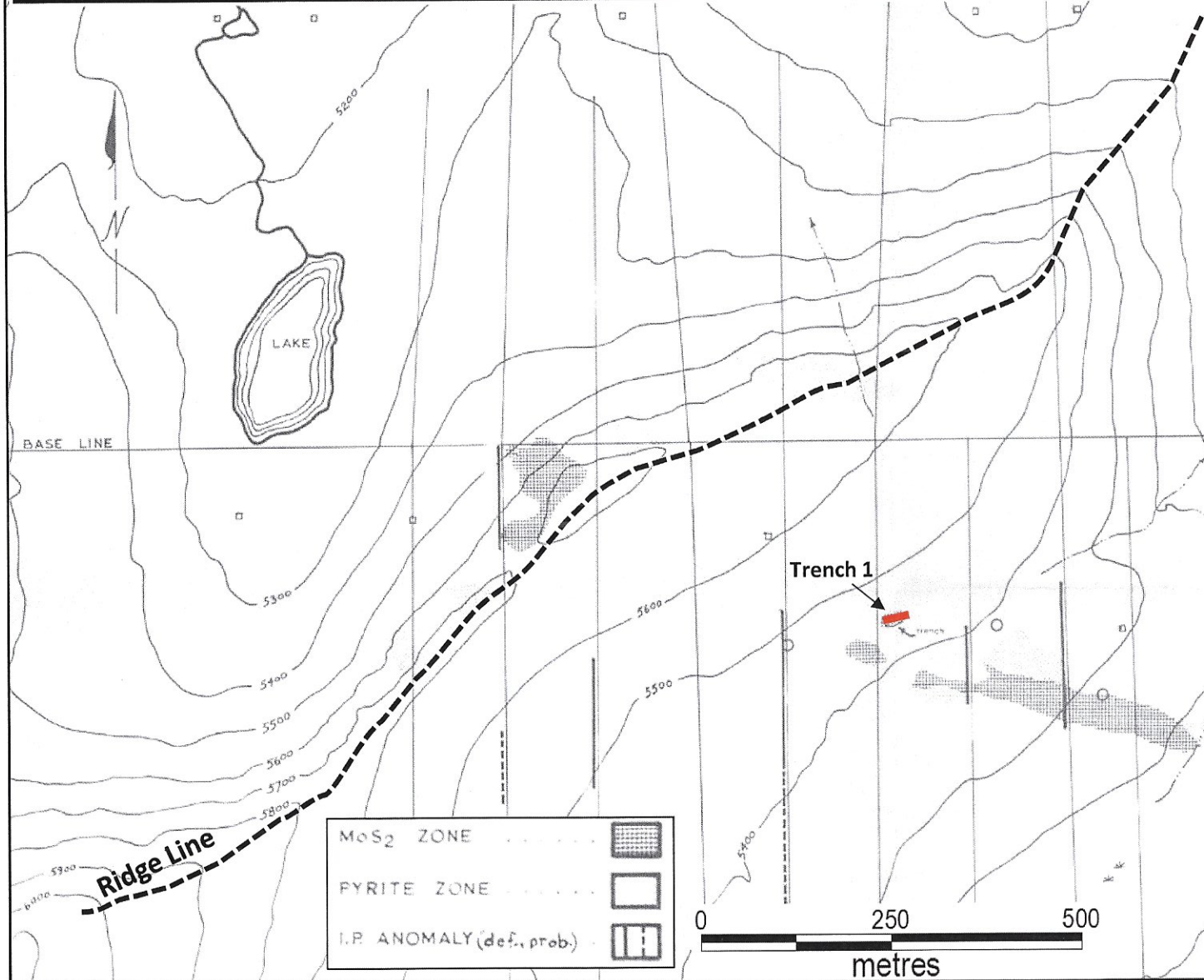
- The geochemical results show widespread areas of high copper and extremely high molybdenum in upper "B" horizon soil samples.
- Peak values in molybdenum reach 4000 ppm in an area where peak copper values run up to 2000 ppm.
- While the coincident Mo-Cu anomaly occurs in an area entirely overlain with alpine vegetation and overburden, a cirque rim a thousand feet to the northwest, exposes a partially altered quartz-monzonite stock carrying visible molybdenite and minor chalcopyrite in hairline fractures and quartz veins.

### **Nick Carter, 1983:**

- Nick Carter in his brief report (for Rimacan Resources), concluded that the presence of tungsten and gold associated with the base metal mineralization immediately to the south could be significant.
- He recommended a drilling program of two vertical diamond drill holes to test the continuity to depth of apparent surface metal values.



## MACK – Historical IP Surveying and Trenching Produced Interesting Results

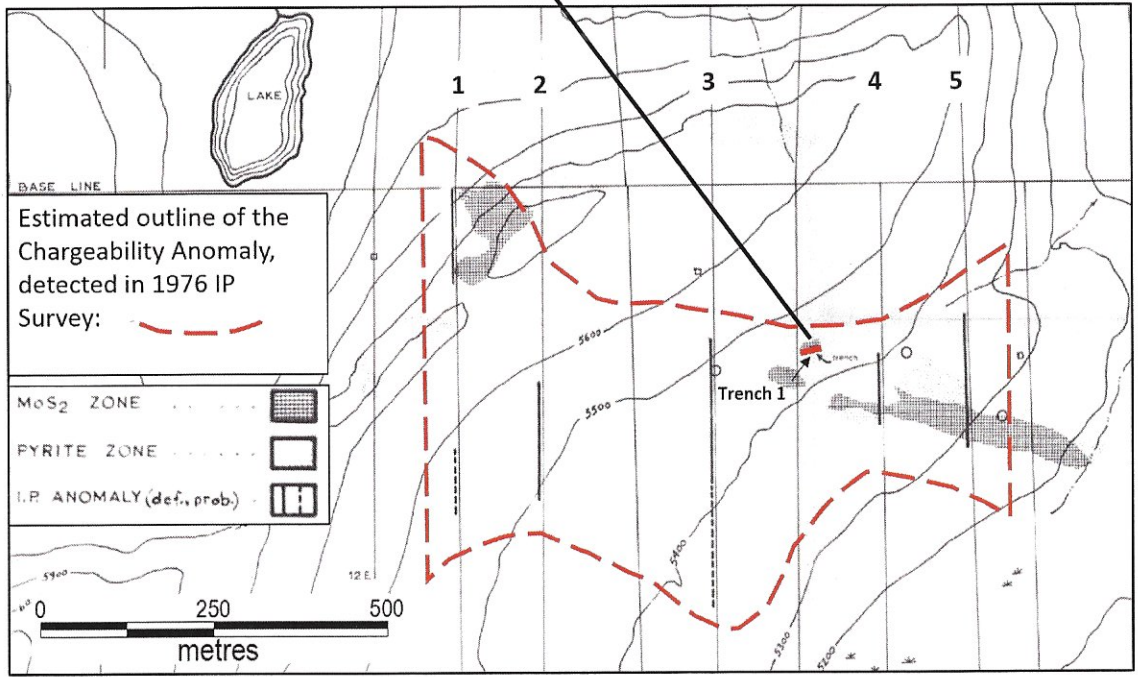
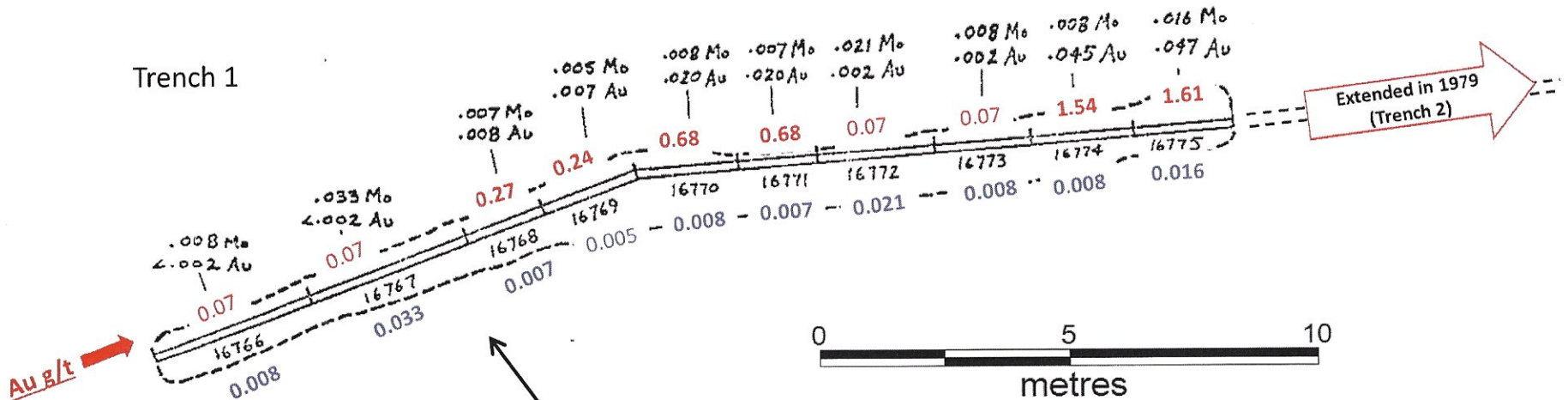


### IP Survey & Trenching - 1976

- In 1976, five IP lines were run over the geochemically anomalous areas.
- In all lines (between 400 to 800 feet apart) strong to weak chargeability anomalies were detected.
- The Assessment Report concluded that each of these anomalies warrant further work in the form of trenching or drilling.
- Trench 1, near the central part of the known zone of mineralization, returned interesting values in Au and Mo.
- This was the first gold assay on the Mack bedrock samples, showing the presence of gold in the system.



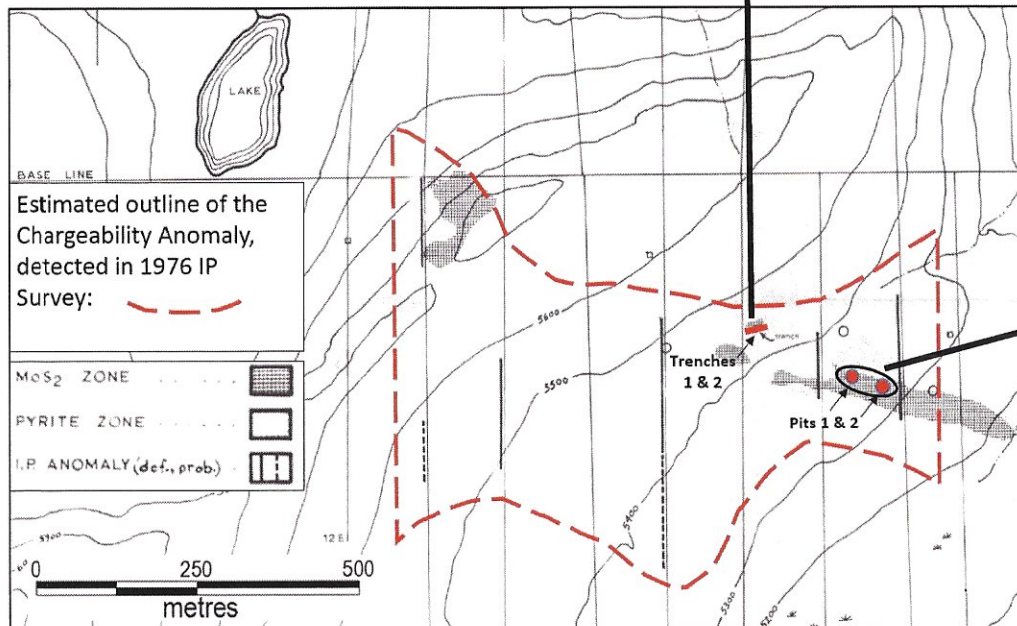
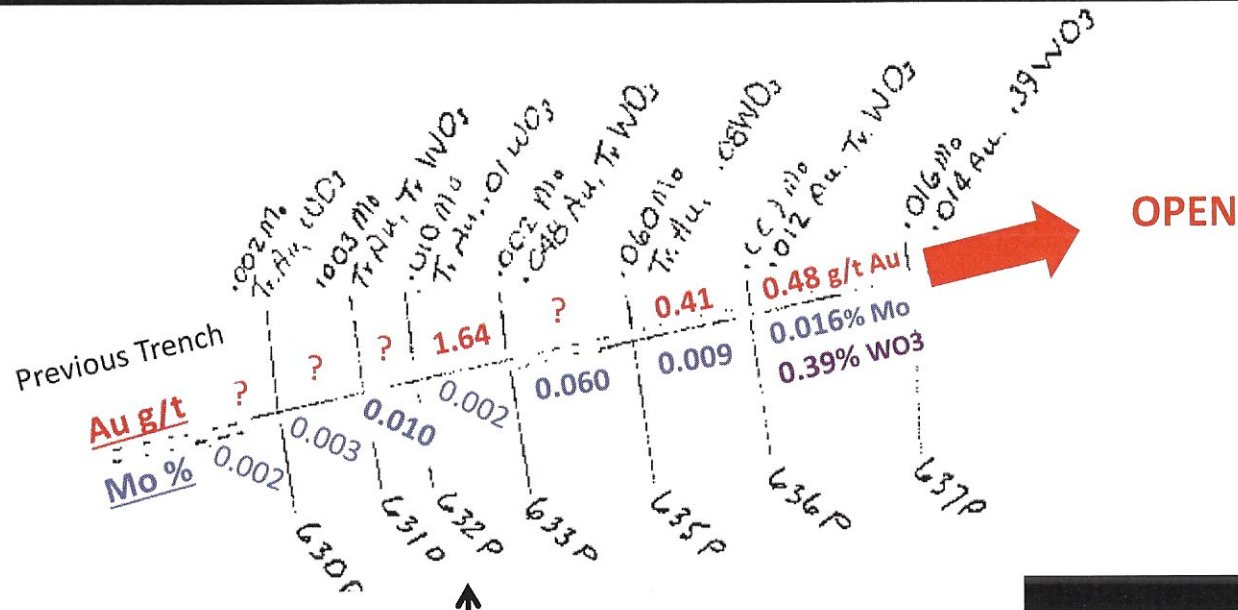
# MACK – 30 Metre Probably Cross Cutting Trench Returns Gold Values





# MACK – Trenching And Pits Developed Within The Geochemical Anomaly Produced Gold, Moly And Tungsten Results

Trench 2

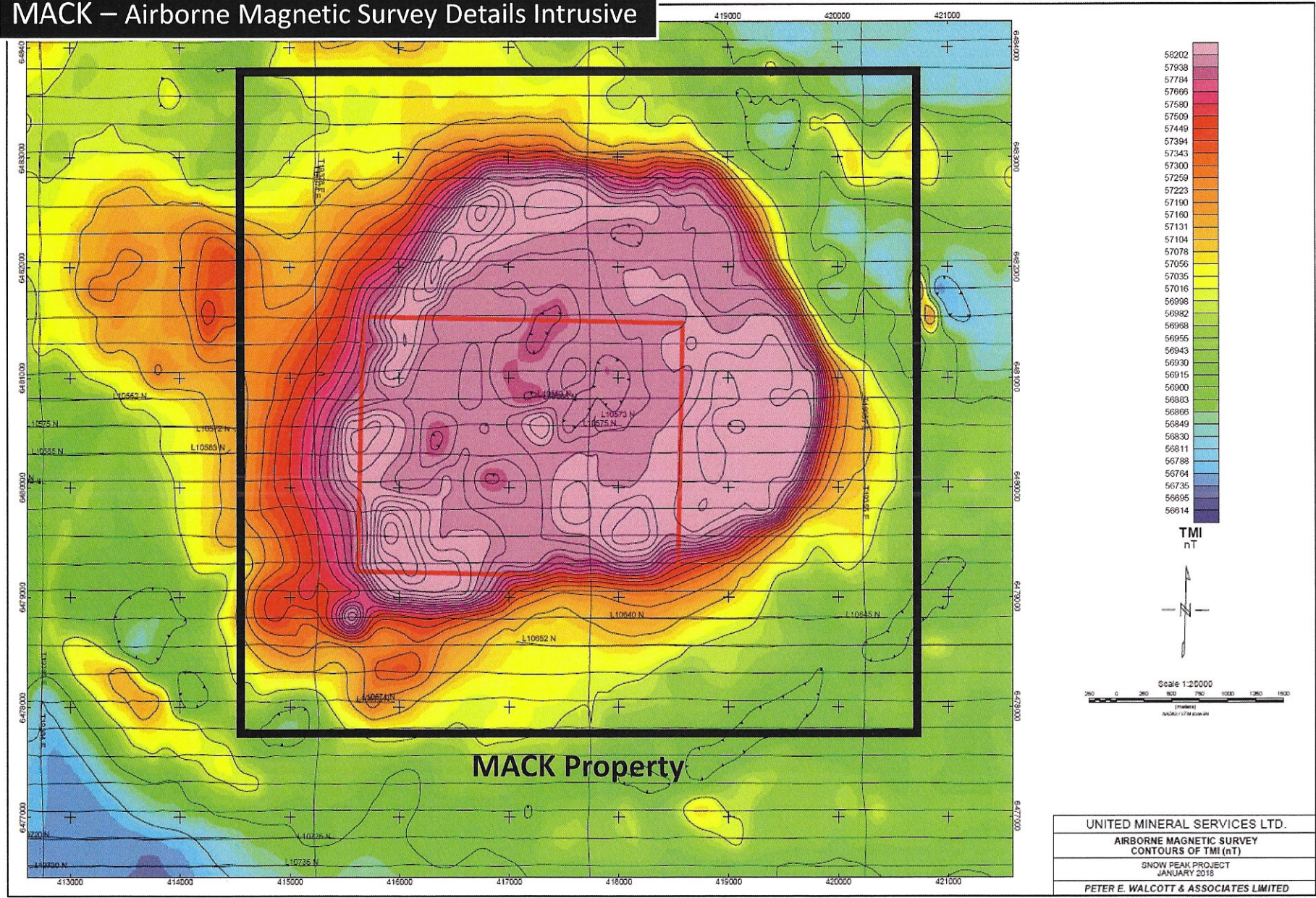


## Pit Results

	Au OZ/t	Au g/t	Mo %	WO <sub>3</sub> %
638 Pit # 1	0.022	0.75	0.13	0.09
639 Pit # 2	0.016	0.55	0.002	trace



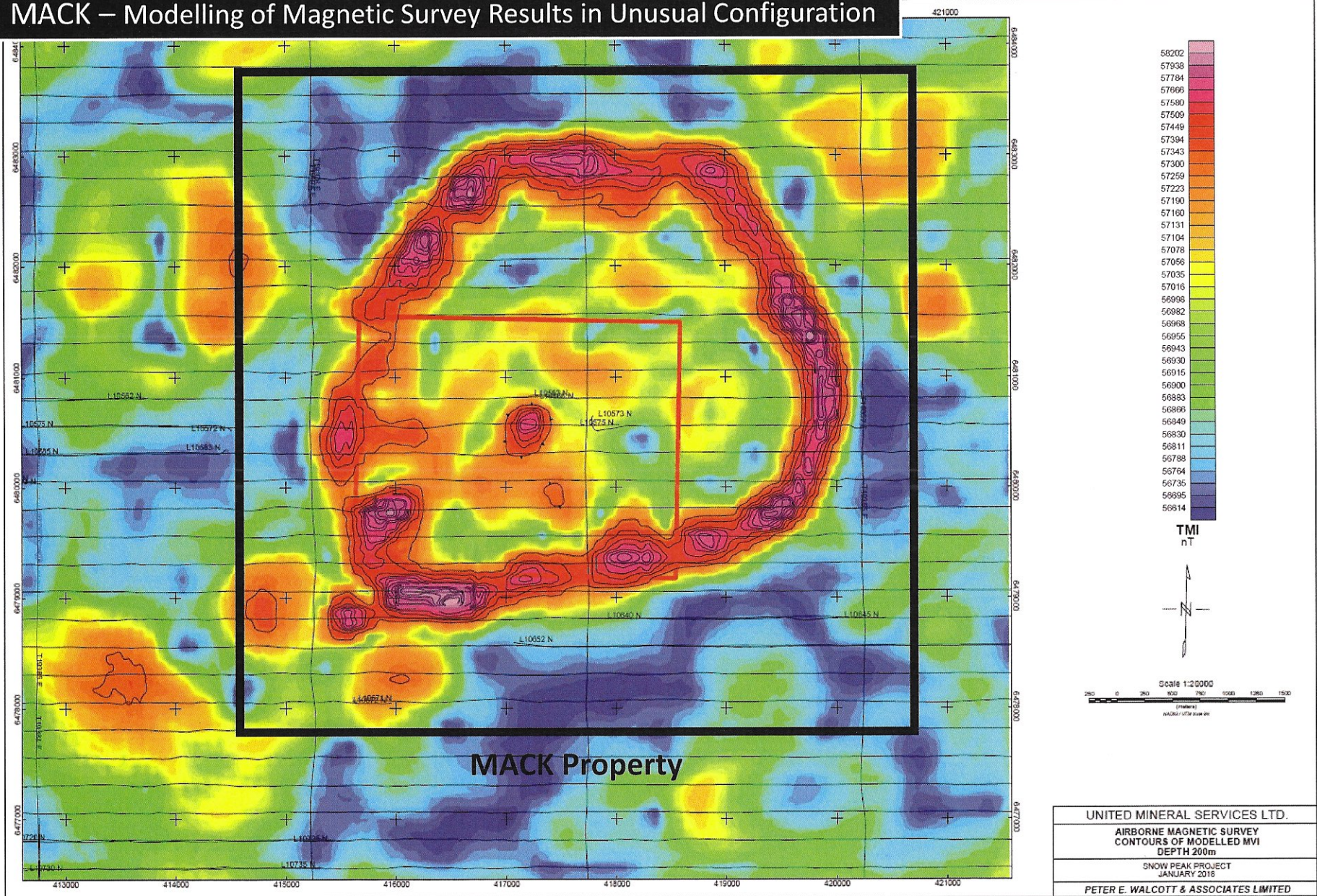
# MACK – Airborne Magnetic Survey Details Intrusive



UNITED MINERAL SERVICES LTD.  
 AIRBORNE MAGNETIC SURVEY  
 CONTOURS OF TMI (nT)  
 SNOW PEAK PROJECT  
 JANUARY 2016  
 PETER E. WALCOTT & ASSOCIATES LIMITED

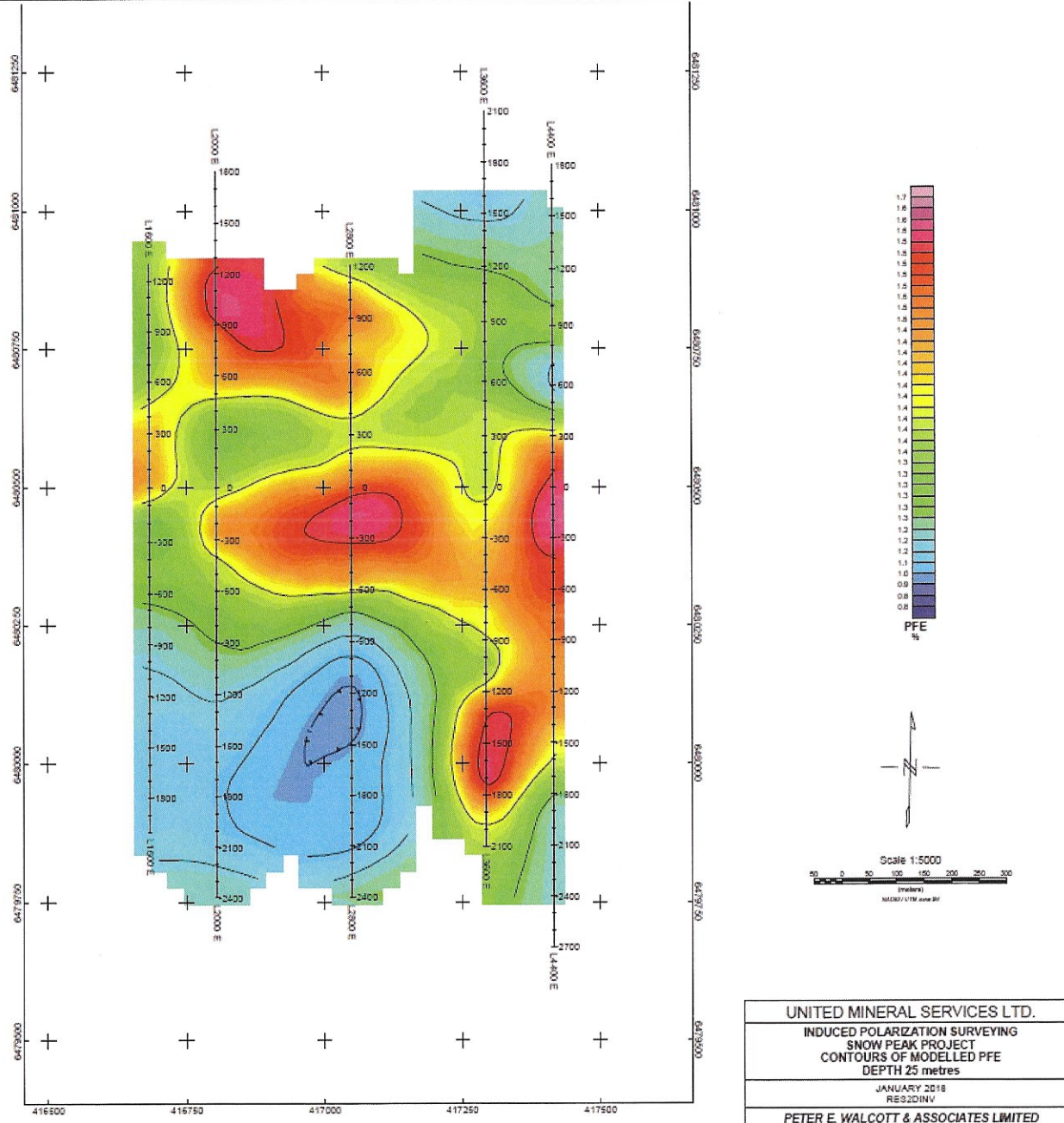


# MACK – Modelling of Magnetic Survey Results in Unusual Configuration





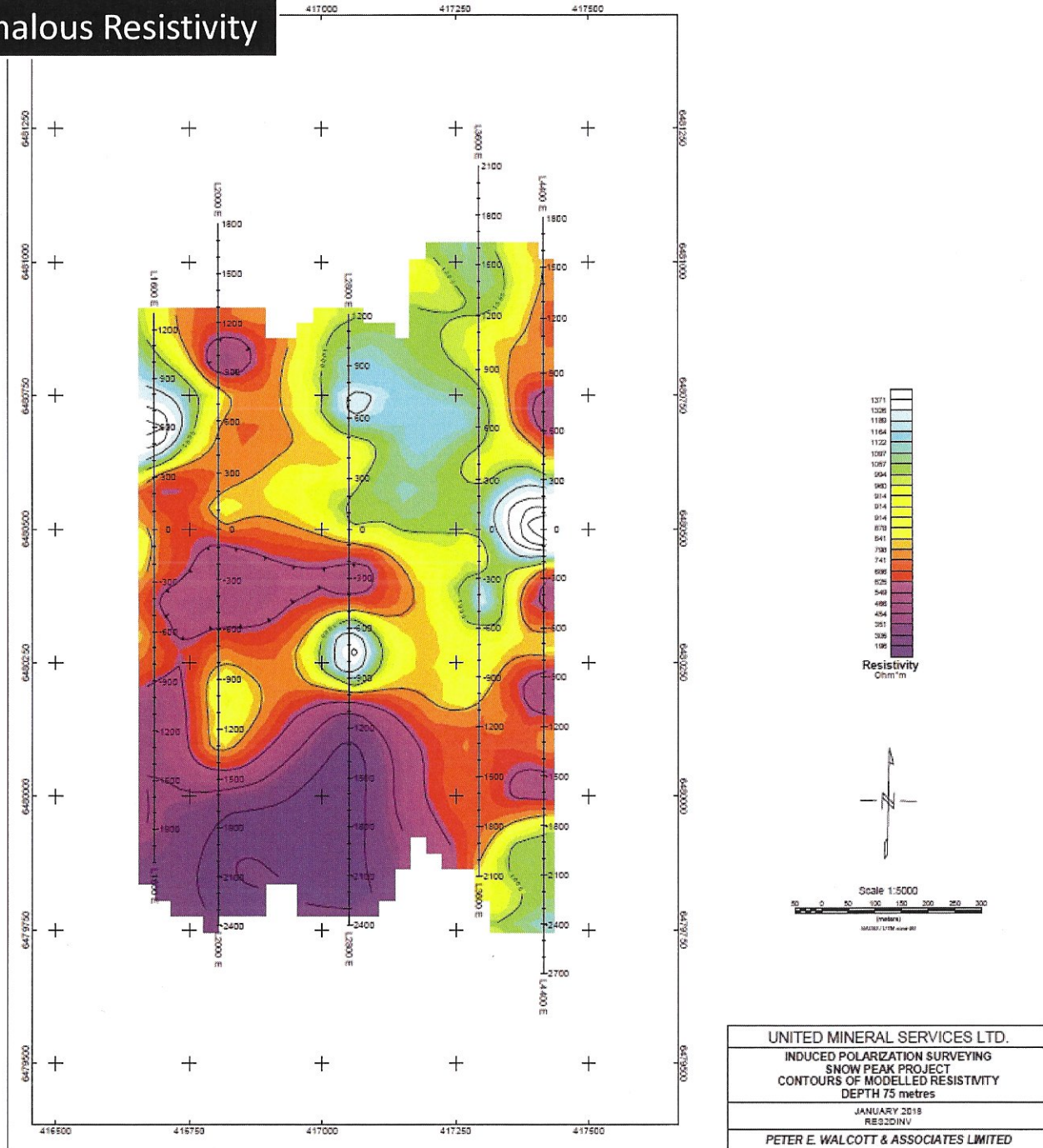
# MACK – IP Delineates Northwest Trending Sulphide System



UNITED MINERAL SERVICES LTD.  
 INDUCED POLARIZATION SURVEYING  
 SNOW PEAK PROJECT  
 CONTOURS OF MODELLED PFE  
 DEPTH 25 metres  
 JANUARY 2018  
 RES2018V  
 PETER E. WALCOTT & ASSOCIATES LIMITED



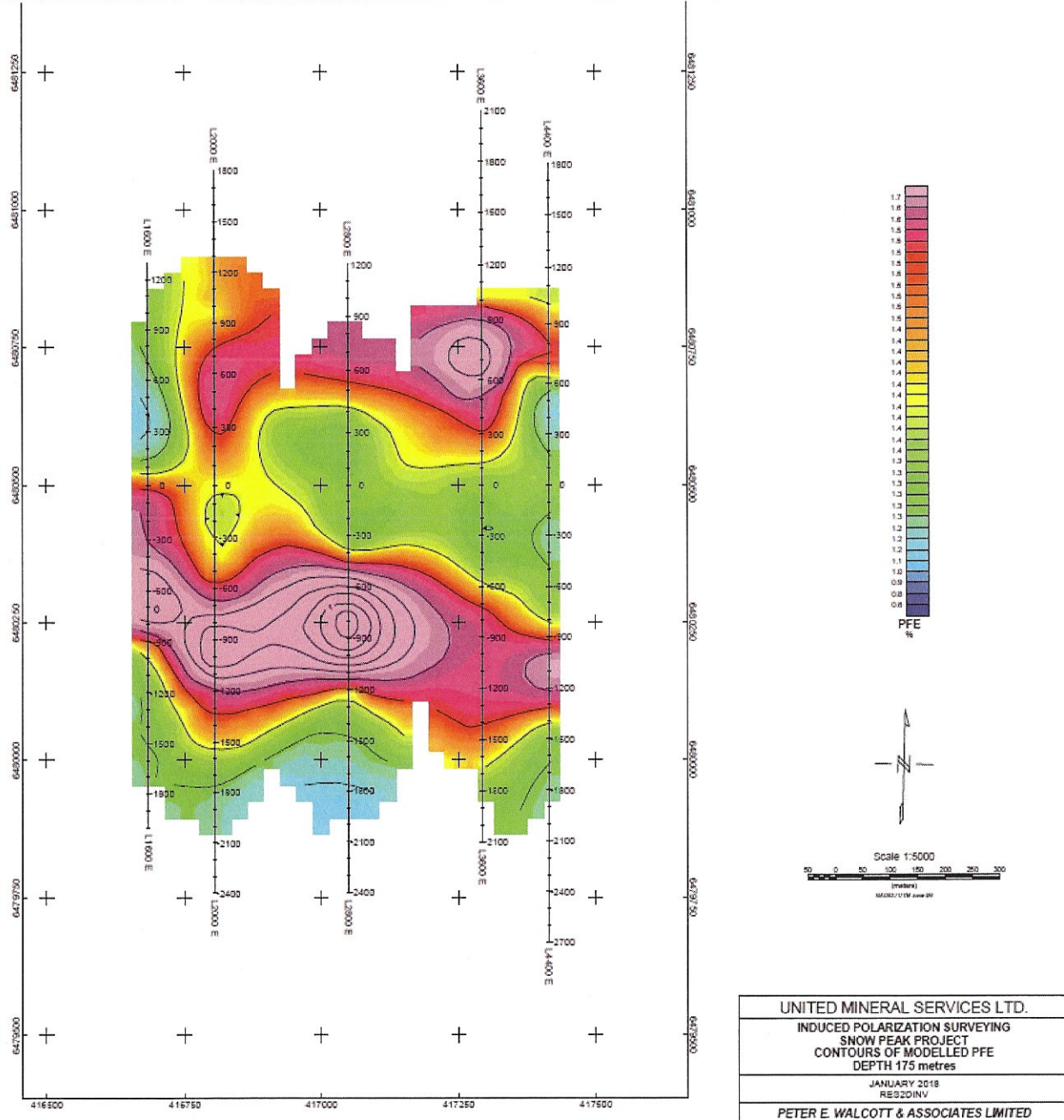
# MACK – Anomalous Resistivity



UNITED MINERAL SERVICES LTD.  
 INDUCED POLARIZATION SURVEYING  
 SNOW PEAK PROJECT  
 CONTOURS OF MODELLED RESISTIVITY  
 DEPTH 75 metres  
 JANUARY 2018  
 RES2DINV  
 PETER E. WALCOTT & ASSOCIATES LIMITED



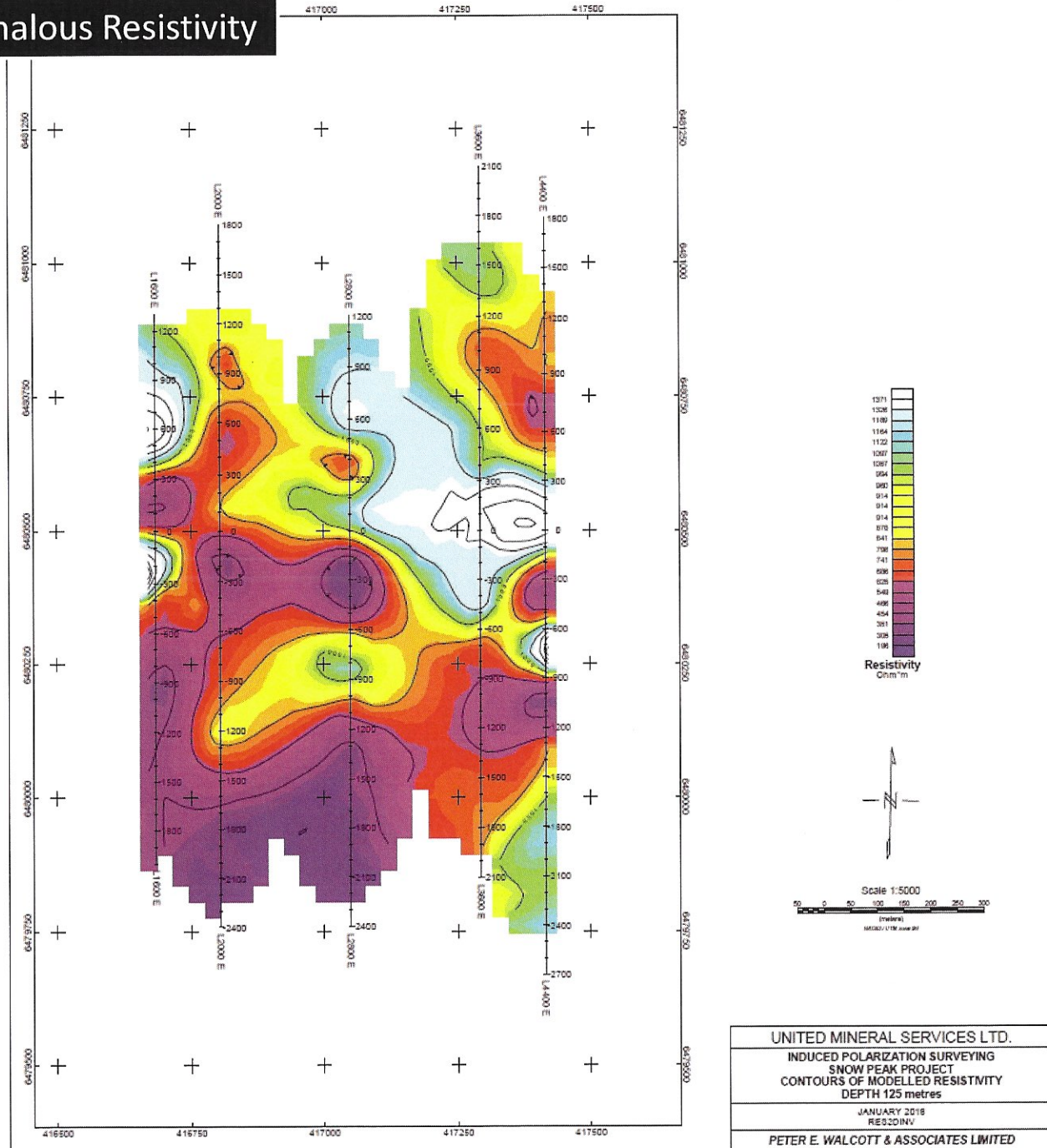
# MACK – IP Delineates Northwest Trending Sulphide System



UNITED MINERAL SERVICES LTD.  
 INDUCED POLARIZATION SURVEYING  
 SNOW PEAK PROJECT  
 CONTOURS OF MODELLED PFE  
 DEPTH 175 metres  
 JANUARY 2018  
 RES2DINV  
 PETER E. WALCOTT & ASSOCIATES LIMITED



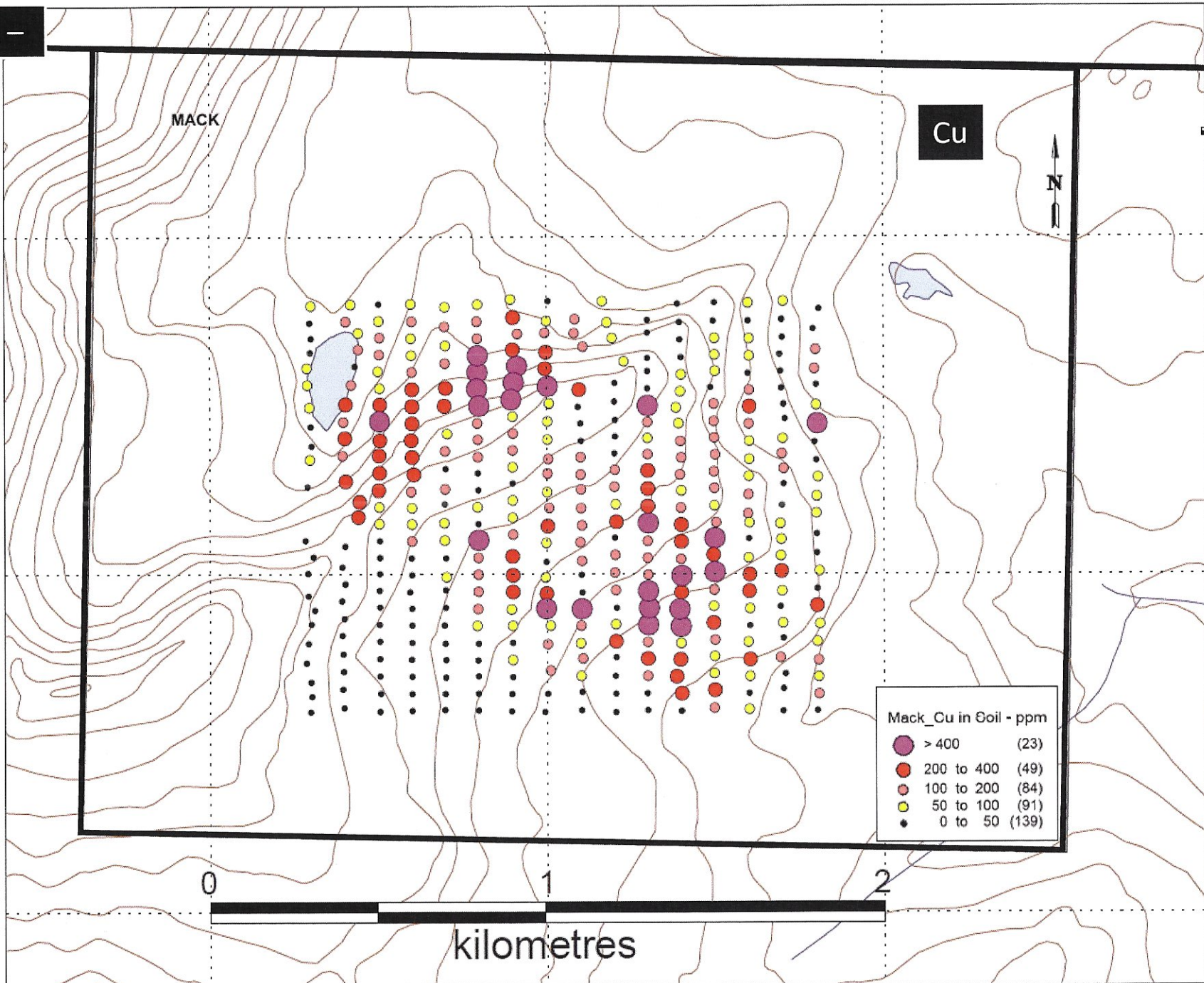
# MACK – Anomalous Resistivity



UNITED MINERAL SERVICES LTD.  
 INDUCED POLARIZATION SURVEYING  
 SNOW PEAK PROJECT  
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 DEPTH 125 metres  
 JANUARY 2018  
 RES3001V1  
 PETER E. WALCOTT & ASSOCIATES LIMITED

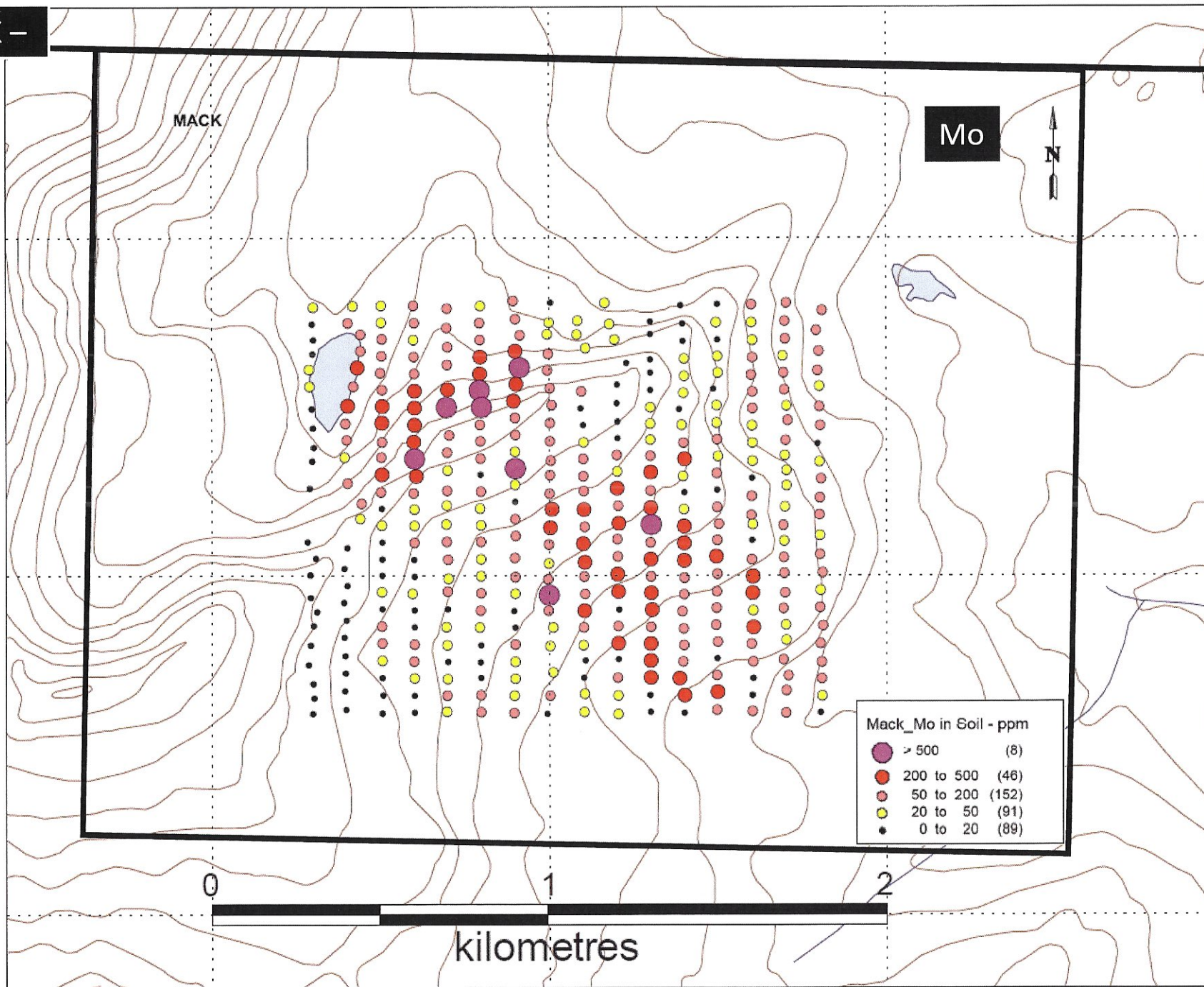


MACK -



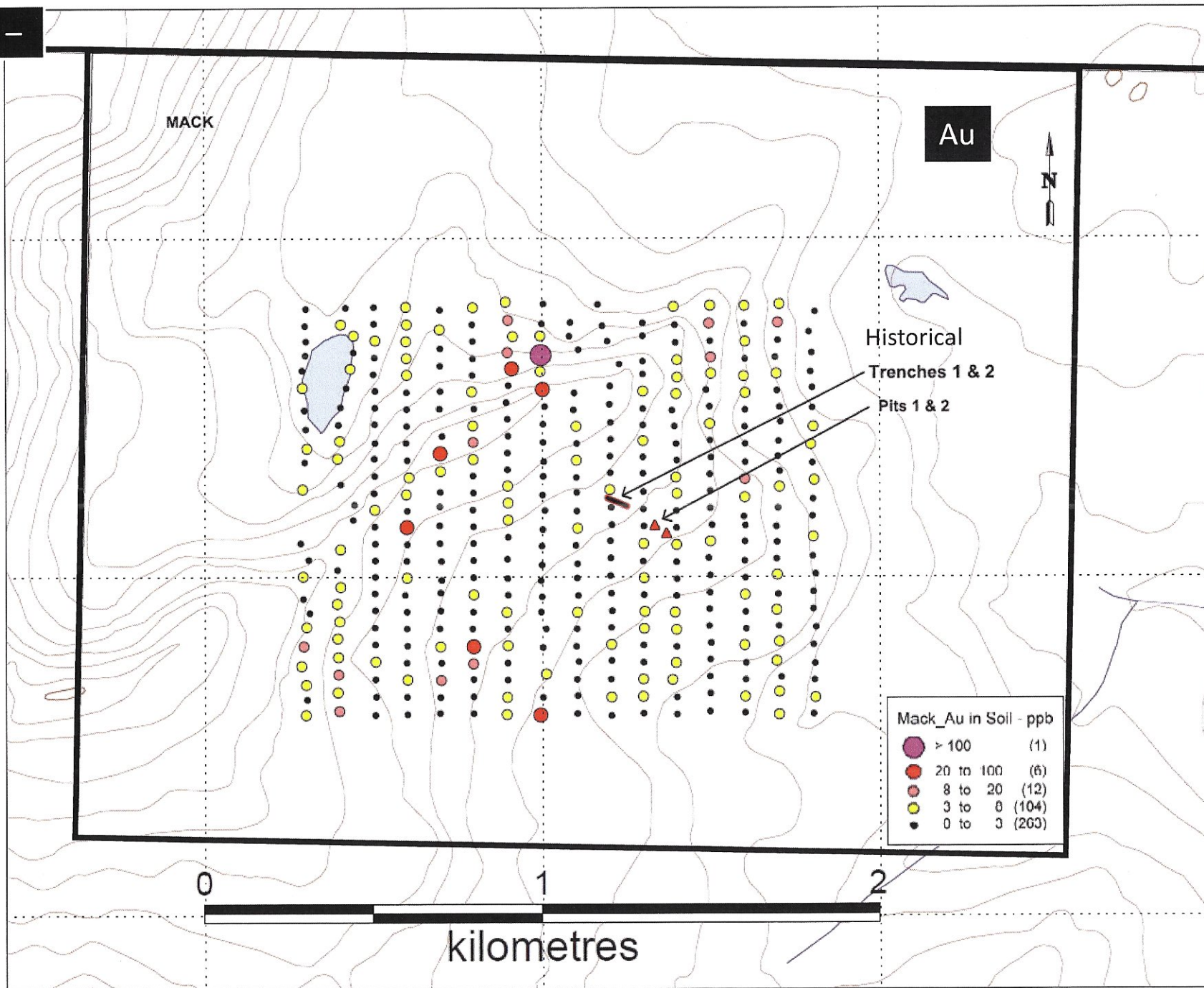


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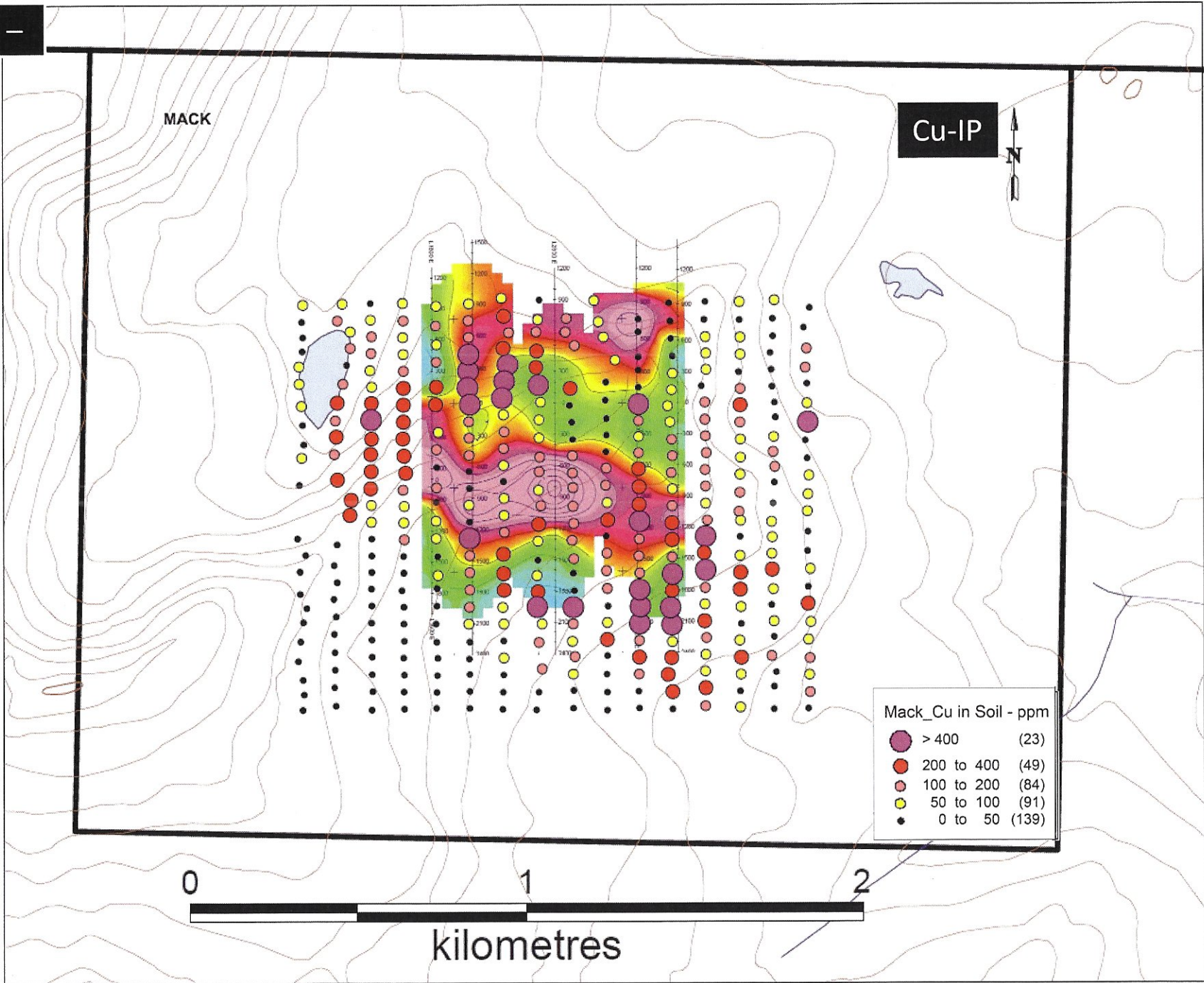


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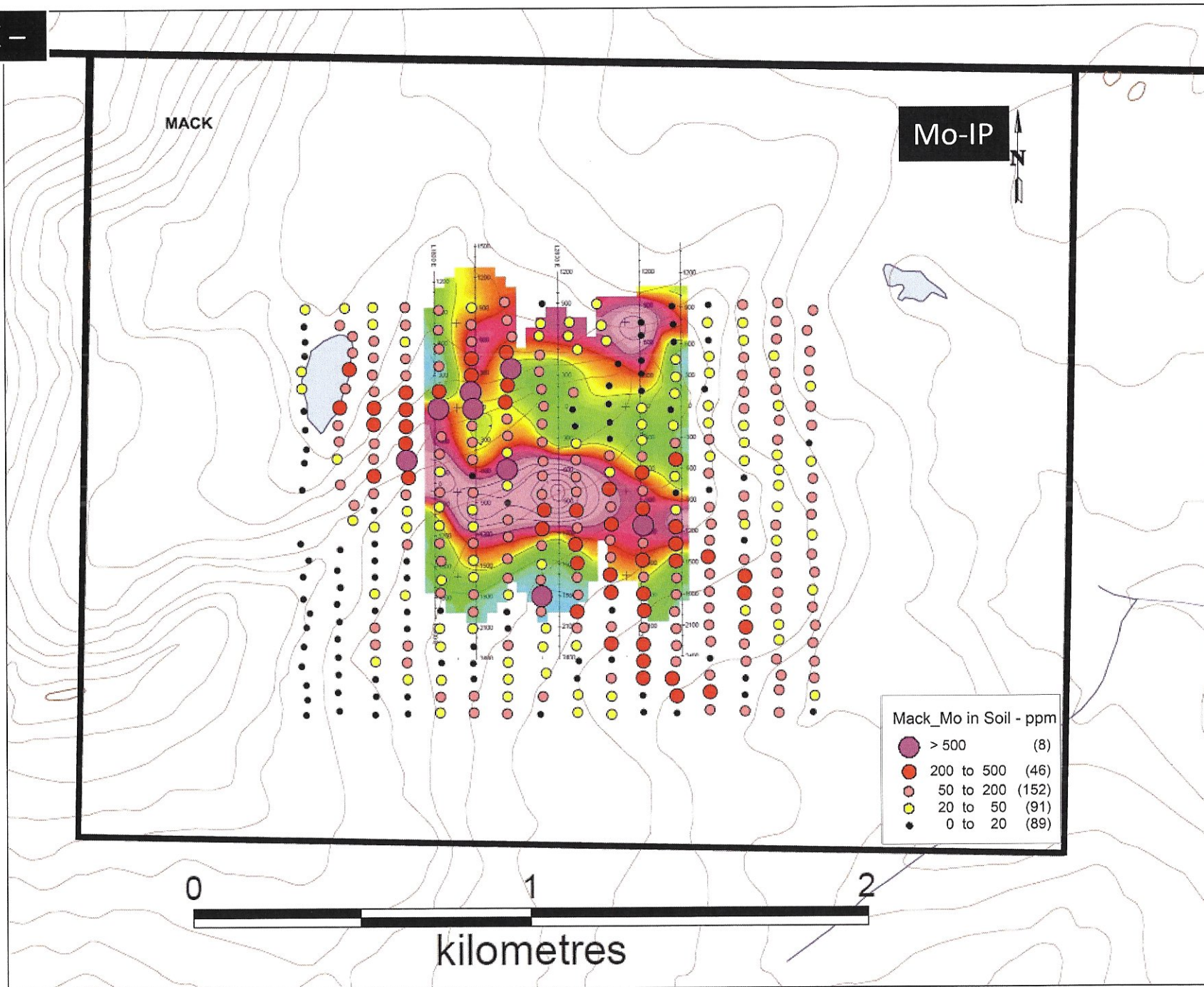


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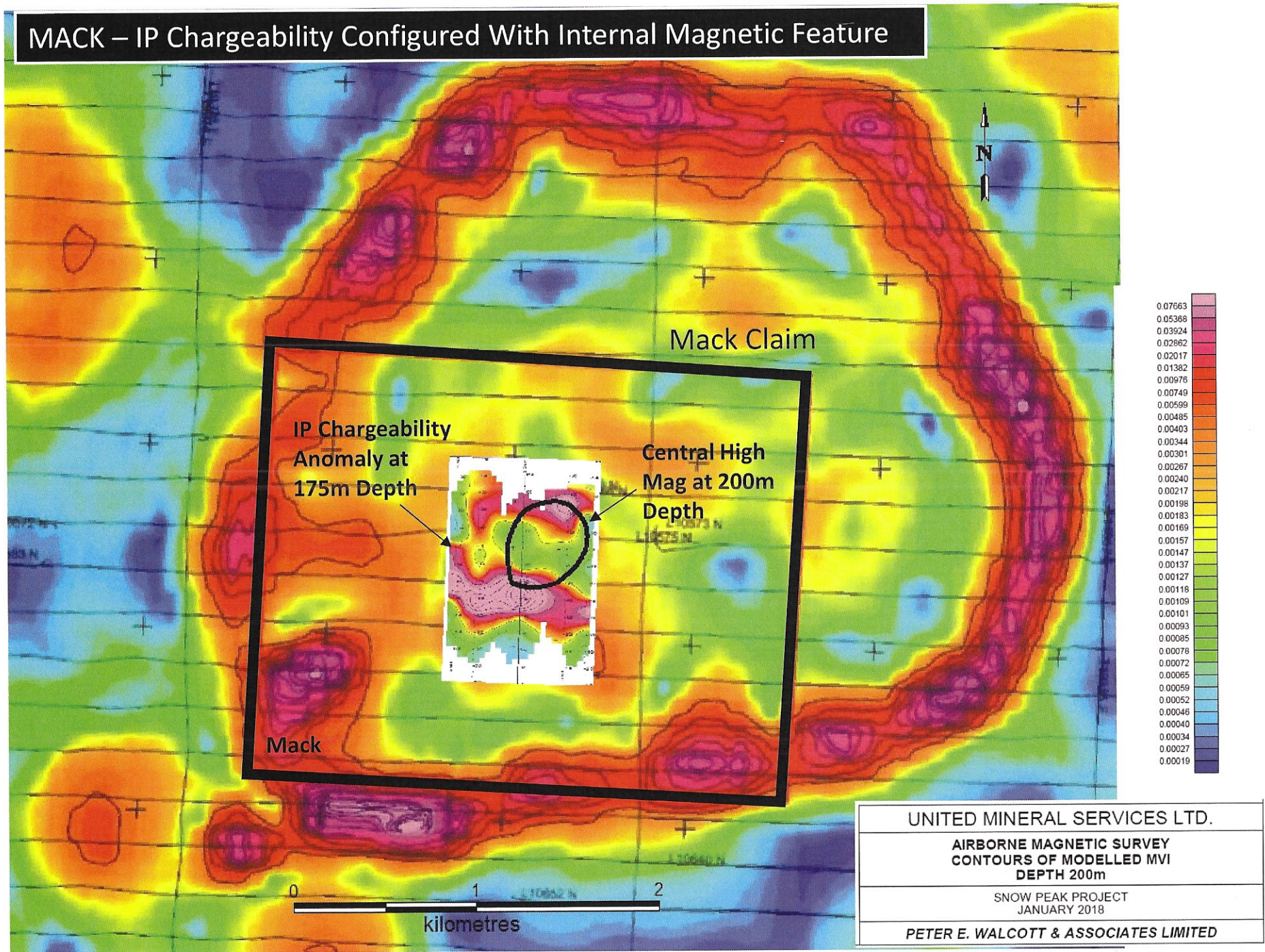


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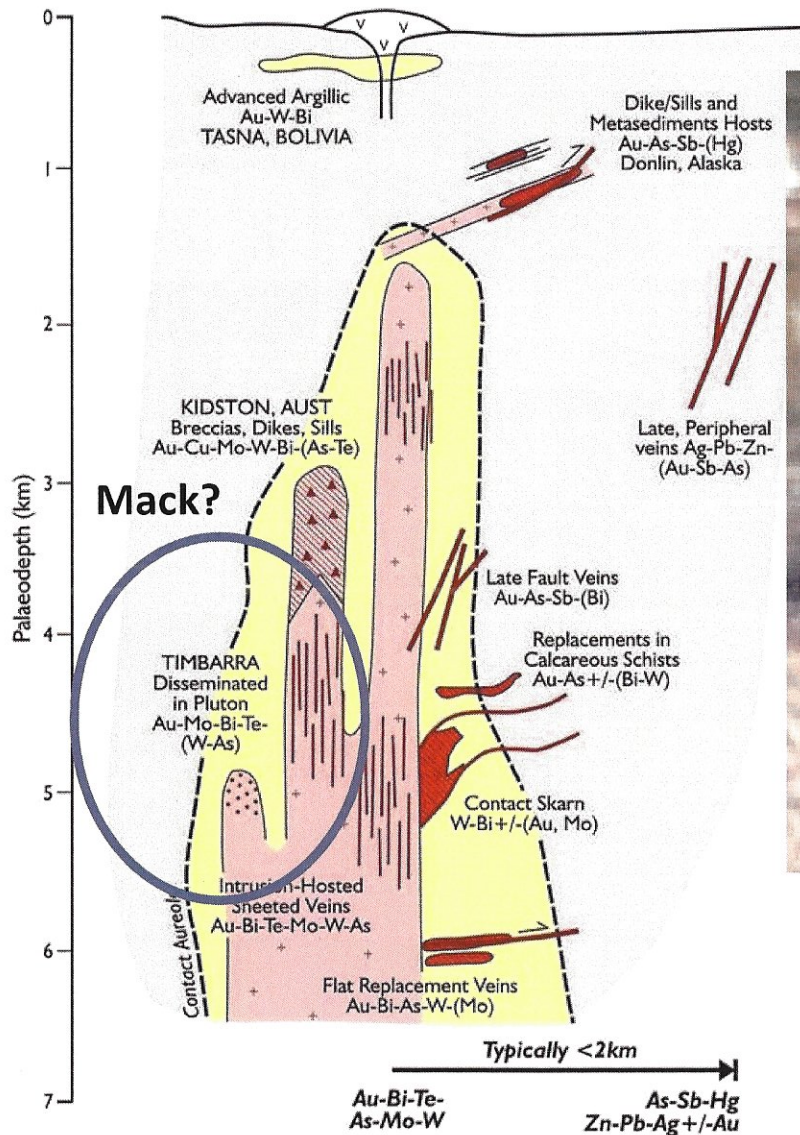


# MACK – IP Chargeability Configured With Internal Magnetic Feature

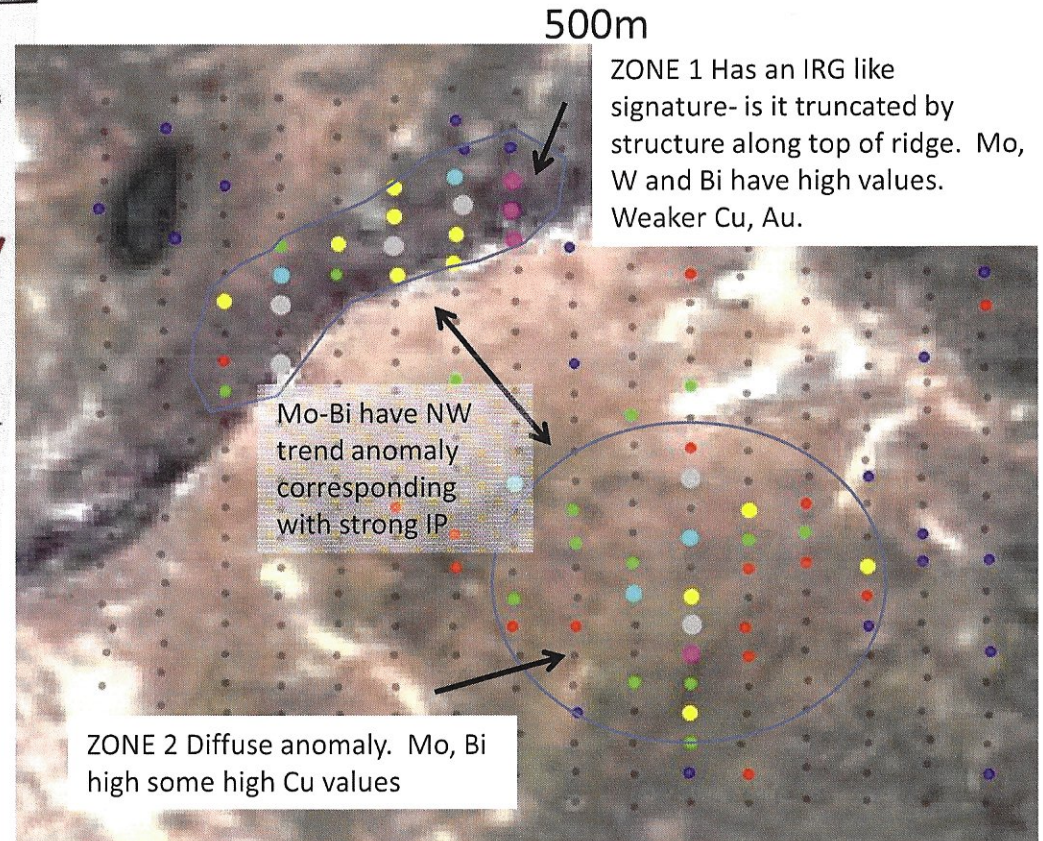




## Reduced Intrusion - Related Clan



## Summary



### RGB Classification Cu\_ppm Mo\_ppm Sb\_ppm

- Cu\_ppm > 90.0%
- Mo\_ppm > 90.0%
- Sb\_ppm > 90.0%
- Mo\_ppm > 90.0% Sb\_ppm > 90.0%
- Cu\_ppm > 90.0% Sb\_ppm > 90.0%
- Cu\_ppm > 90.0% Mo\_ppm > 90.0%
- Cu\_ppm > 90.0% Mo\_ppm > 90.0% Sb\_ppm > 90.0%

Mack – deeper disseminated IRG system with weak Au?