

# NEW NADINA EXPLORATIONS LTD

## TITAN 24 DCIP & MT INVERSION RESULTS (PHASES I & II)

### SILVER QUEEN PROJECT

BC Geological Survey  
Assessment Report  
33613g

## Introduction

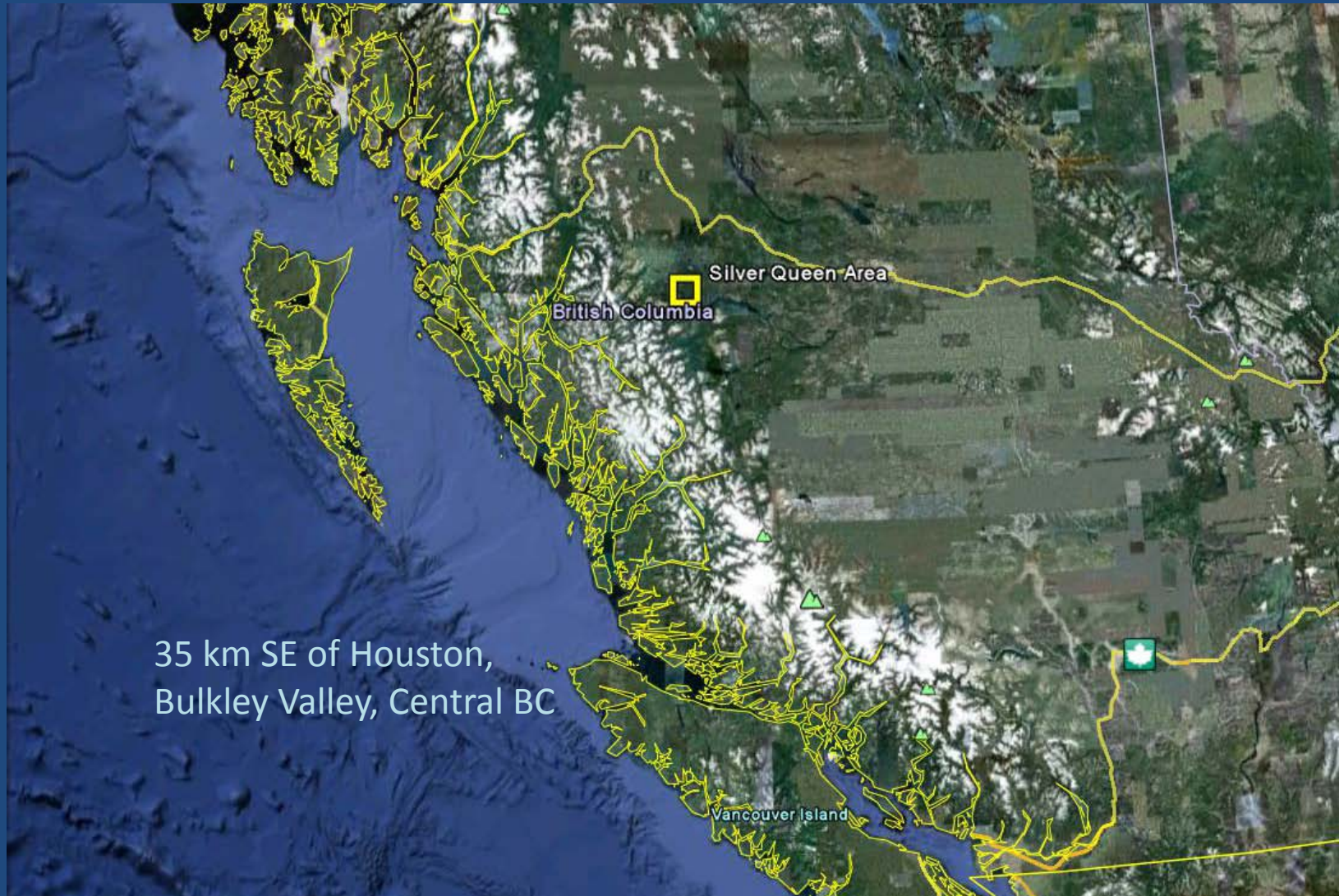
A Titan-24 DCIP & MT survey was completed over the Silver Queen Project area in BC, for the exploration of Porphyry style Polymetallic mineralization.

The total survey consisted 14 EW trending spreads of variable length and variable dipole spacing (150 and 100 m).

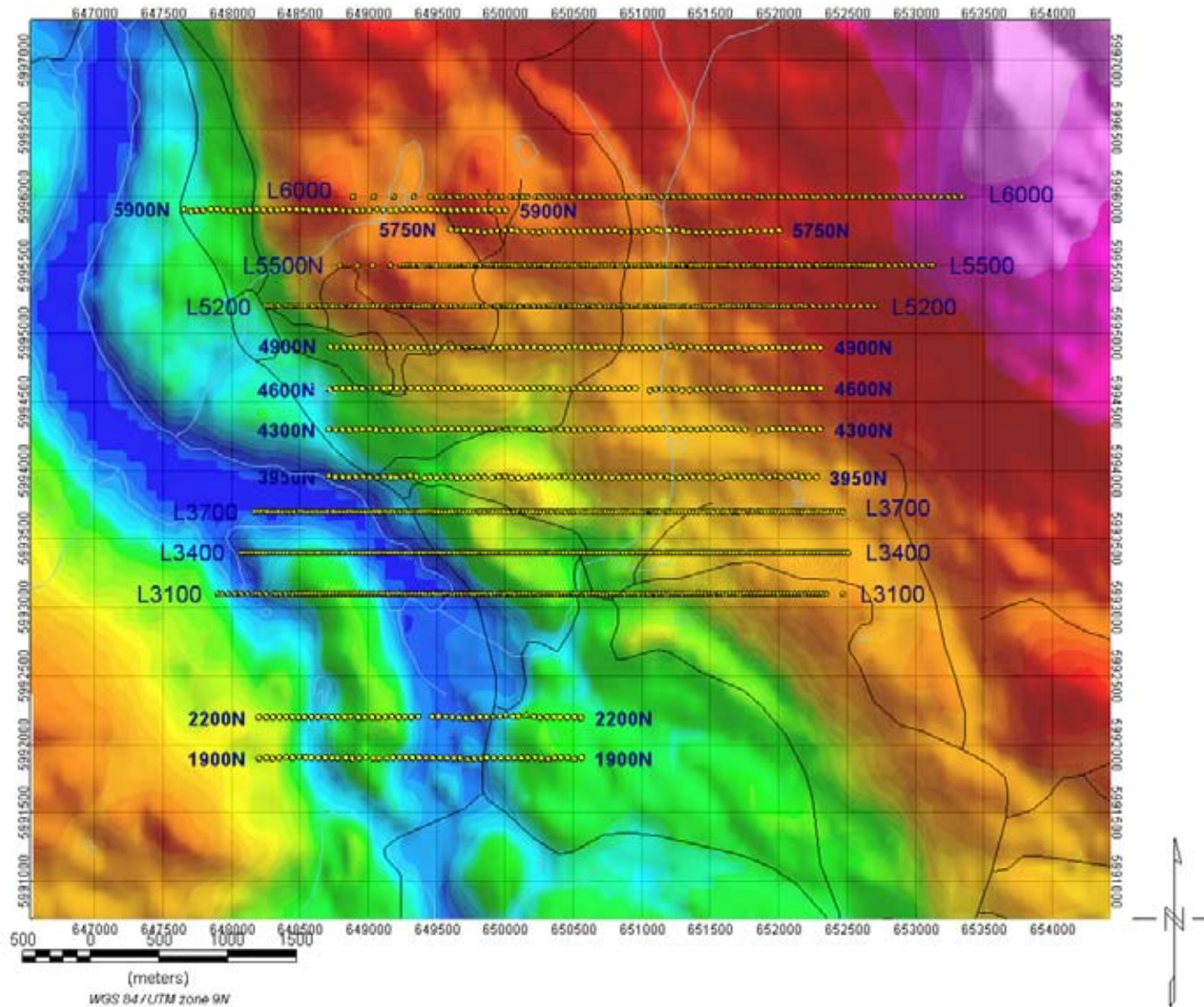
MT-Frequency range = 10 KHz-0.01 Hz

DCIP- Pole dipole (leading and lagging arrays)

# SILVER QUEEN LOCATION MAP



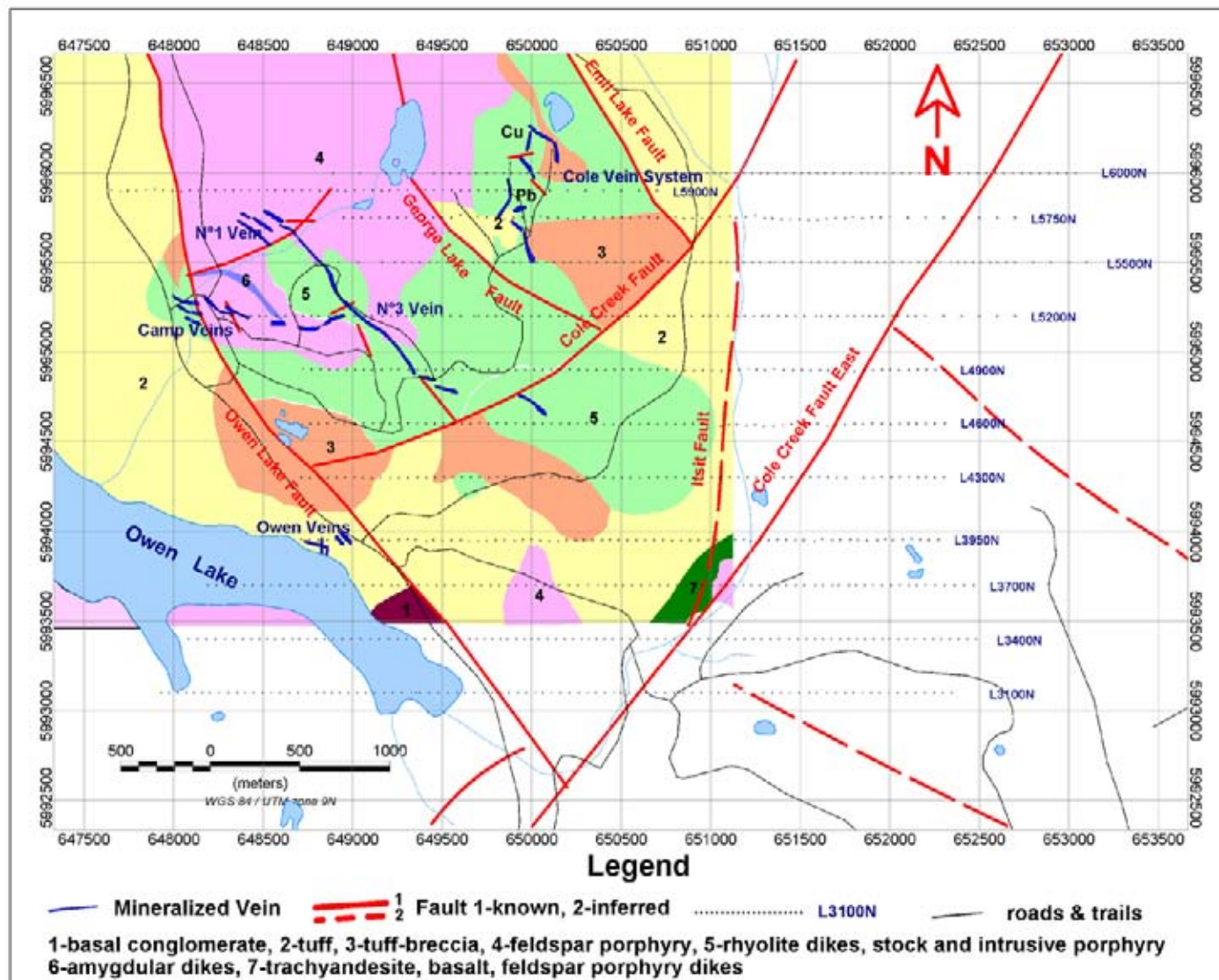




## Geology & Mineralization

A series of volcanic and intrusive rocks. The volcanic rocks (dacites and dacitic andesites) are part of the Upper Cretaceous-Eocene Endako Group. Microdiorite sills and dykes intrude these volcanic rocks. Volcanic and intrusive rocks are intruded by dikes and sills of porphyritic felsite and by basalt dikes.

Au-Ag-Cu Porphyry-epithermal system with intrusion related, polymetallic mineralization, associated epithermal veins, quartz-sericite-pyrite alteration, propylitic alteration, vertical and lateral mineralogical zonations.



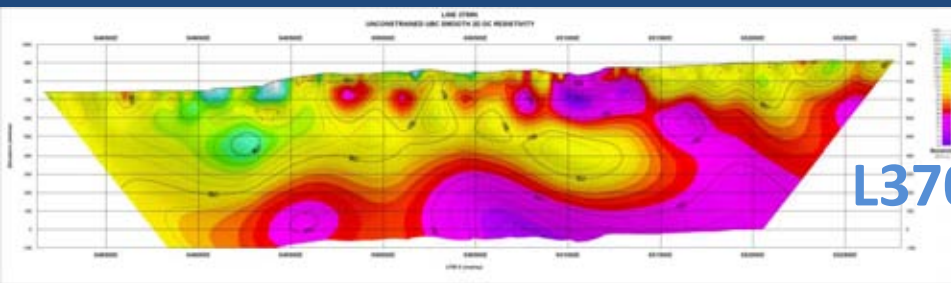
## 2D DCIP SECTIONS

2D Inversion were  
performed using  
UBC code

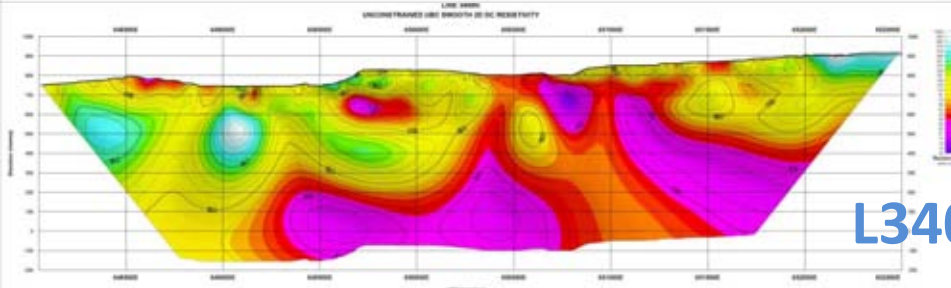
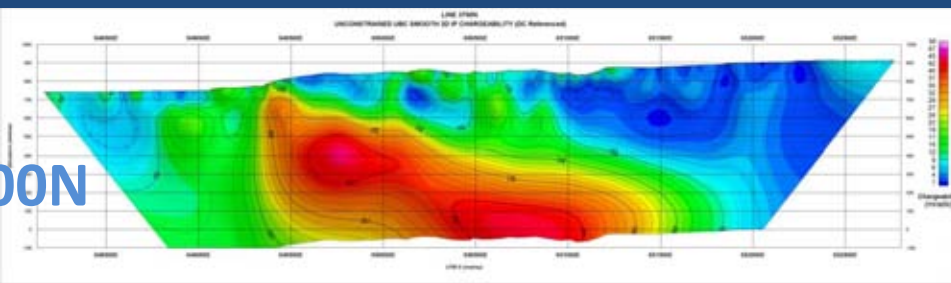


## 2D DC Resistivity Model

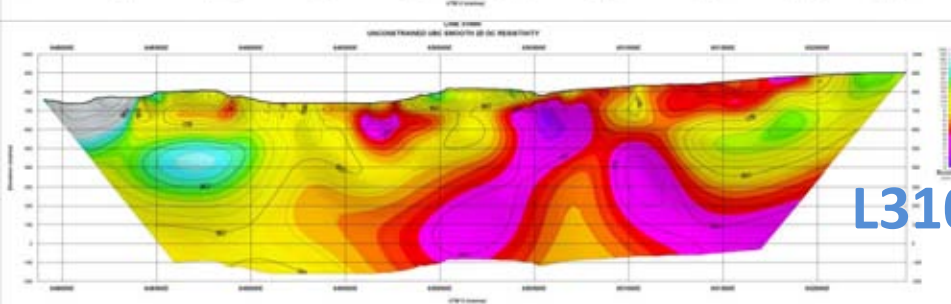
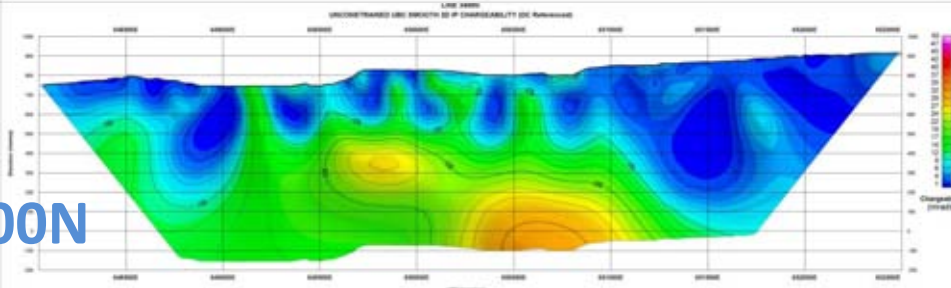
## 2D IP Model



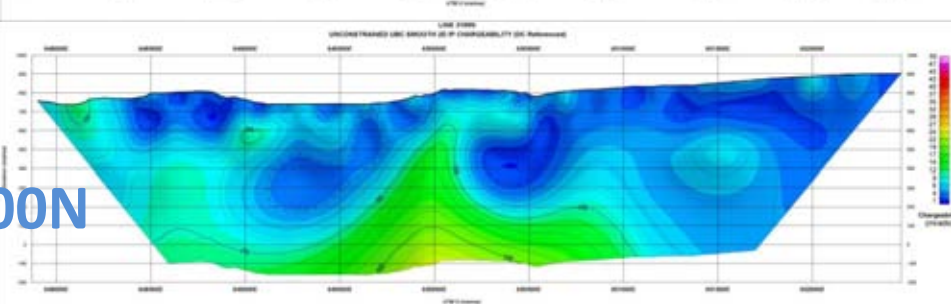
L3700N



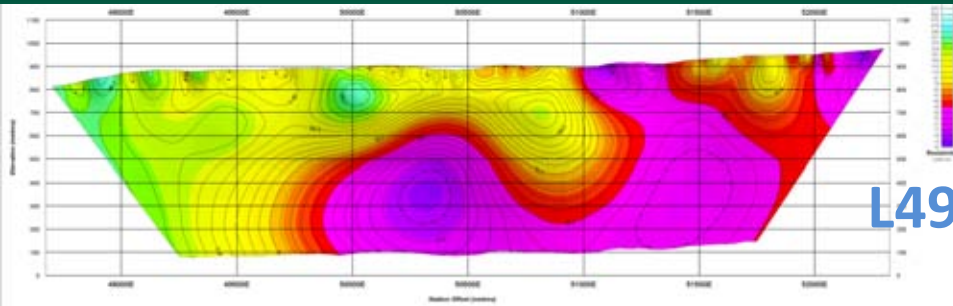
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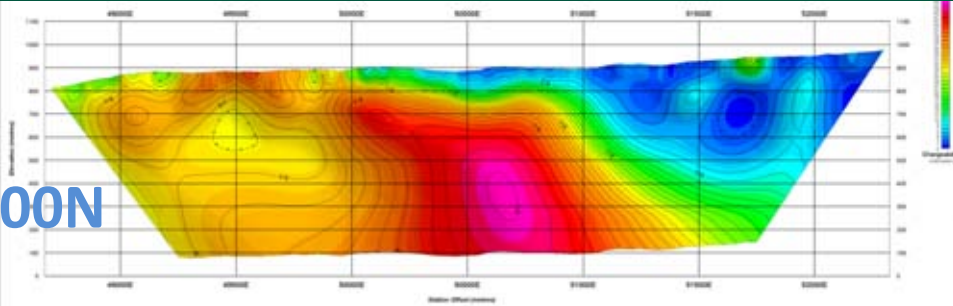
L3100N



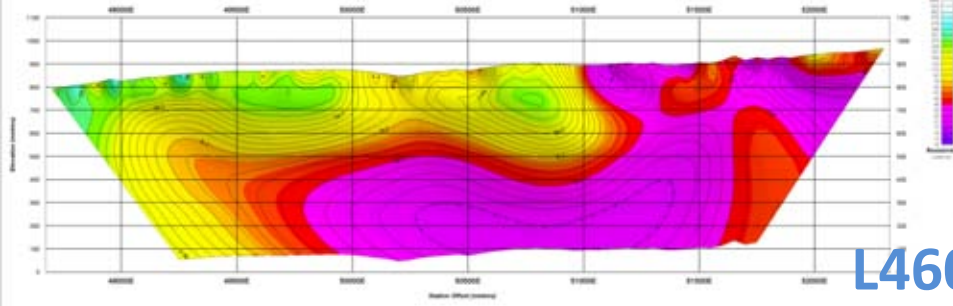




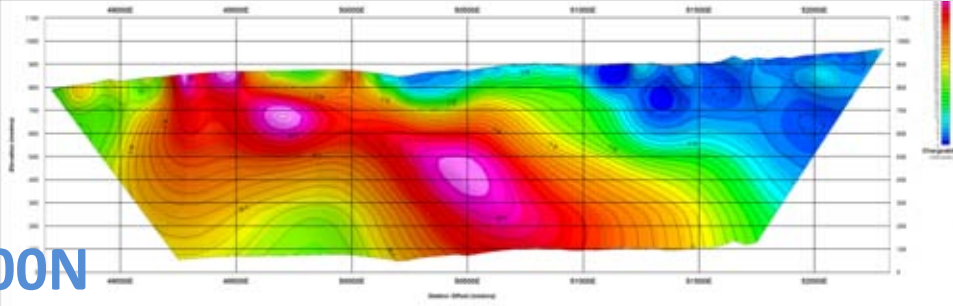
L4900N



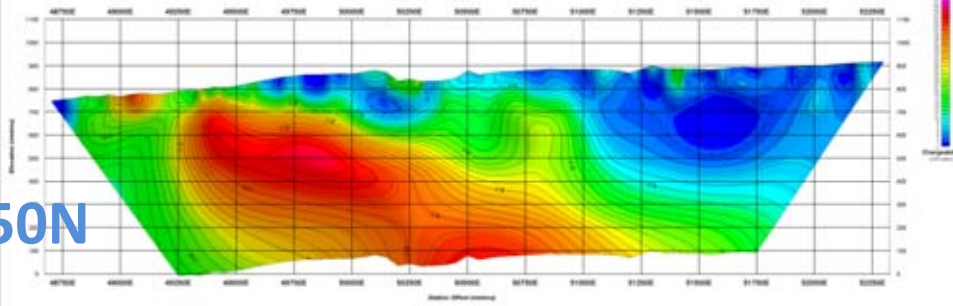
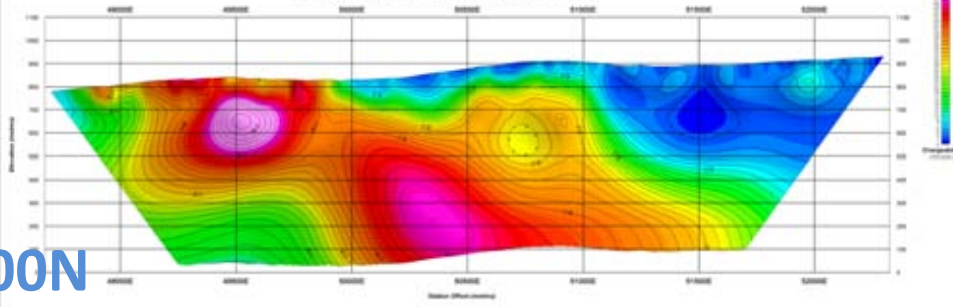
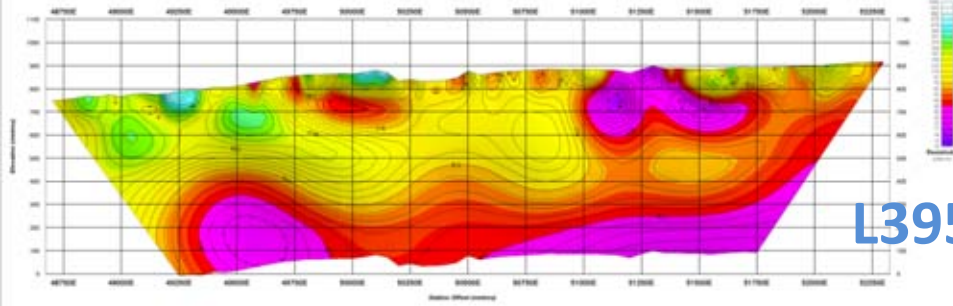
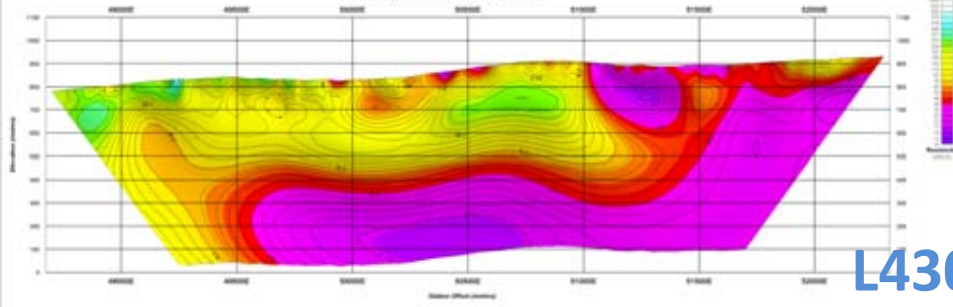
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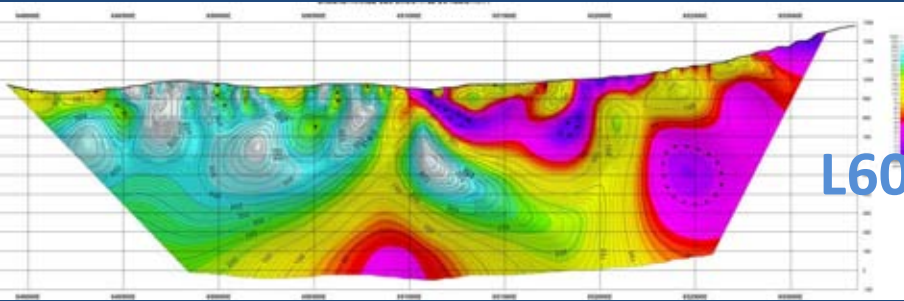


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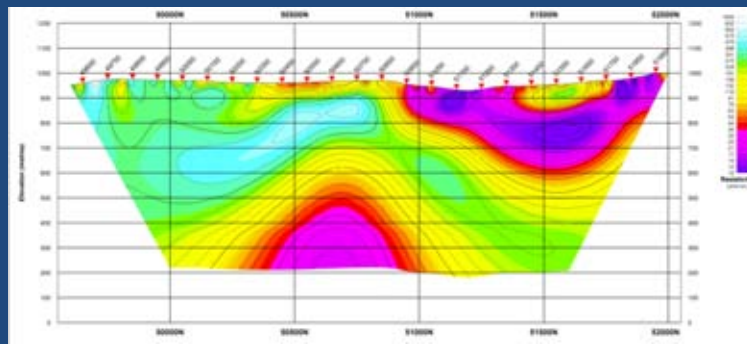
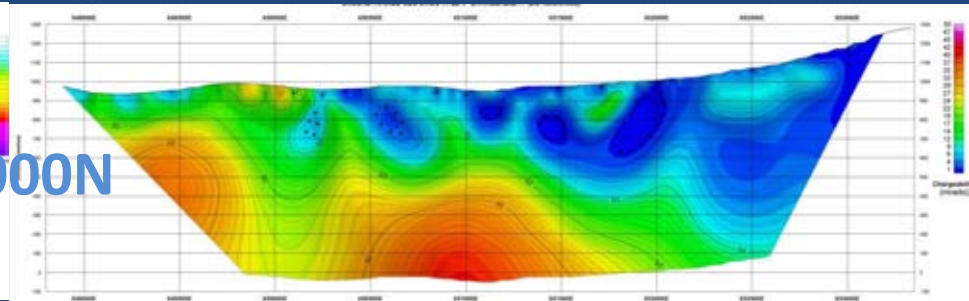


L3950N

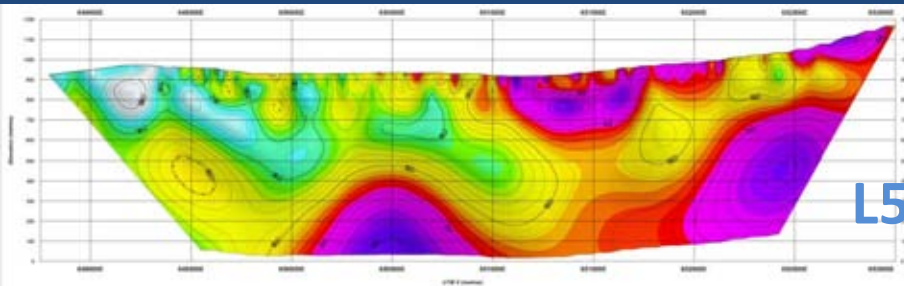
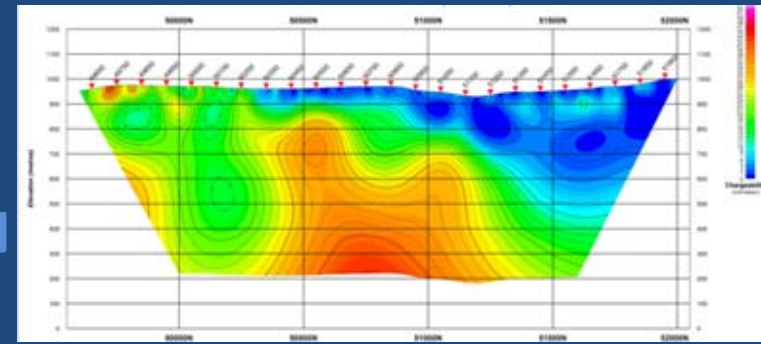




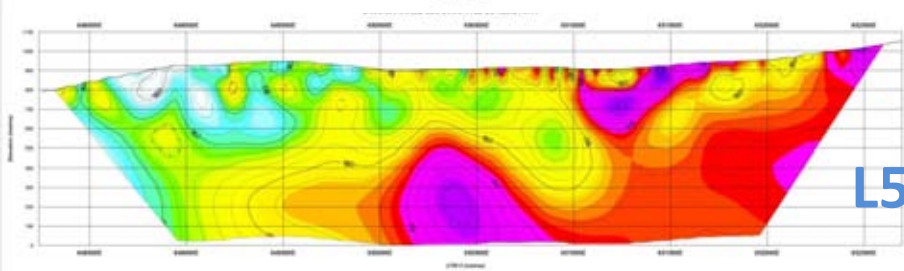
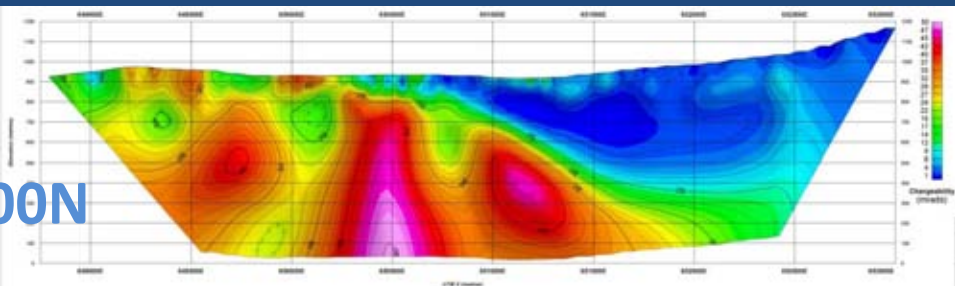
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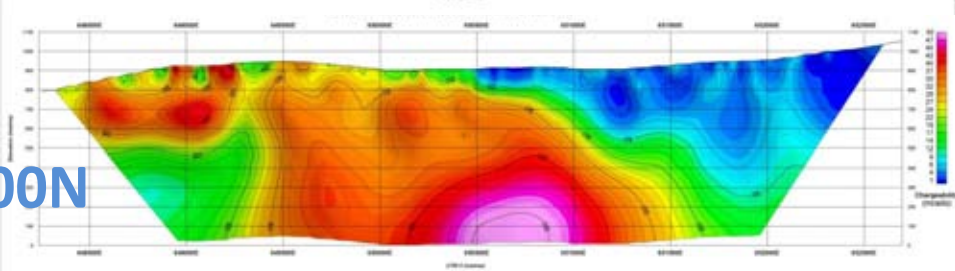
L5750N



L5500N



L5200N



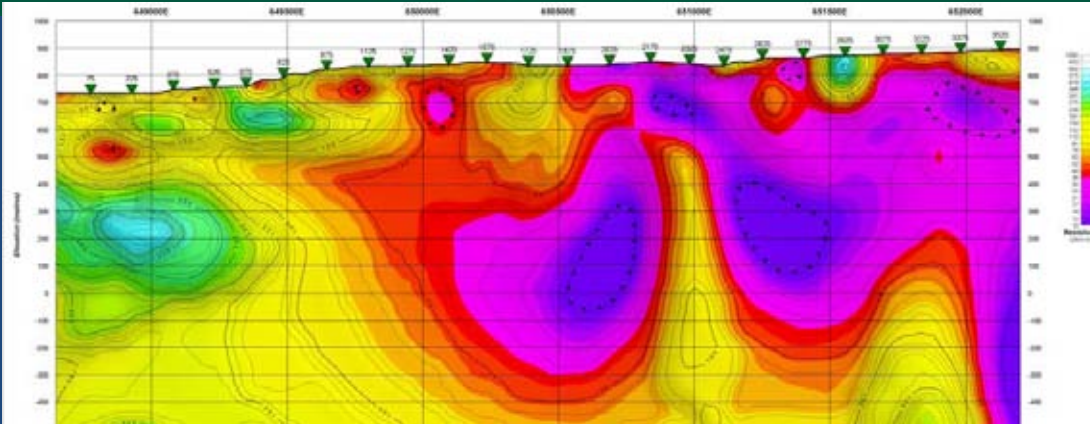


## 2D MT SECTIONS

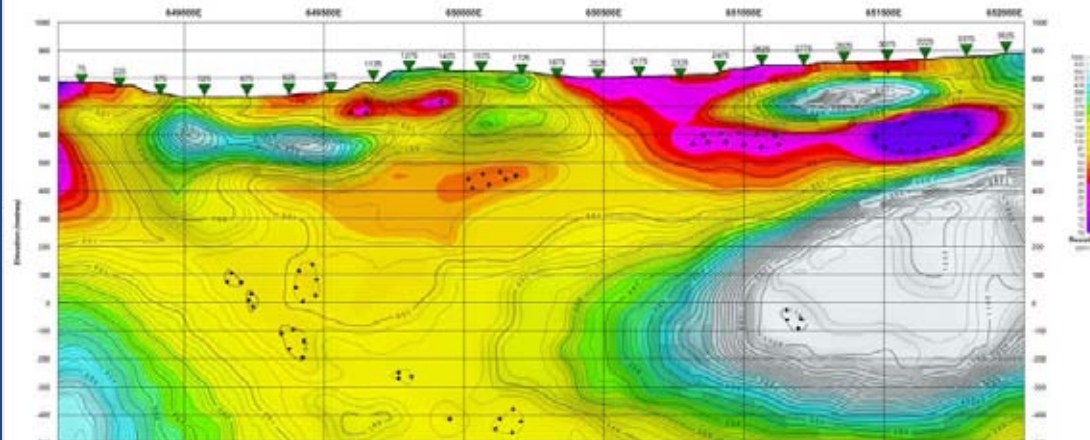
2D MT Inversion  
were performed  
with RLM code



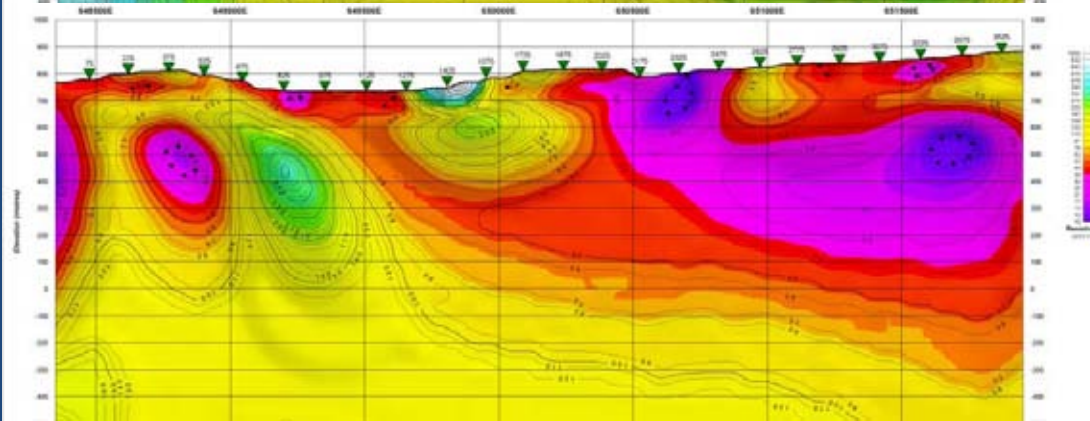
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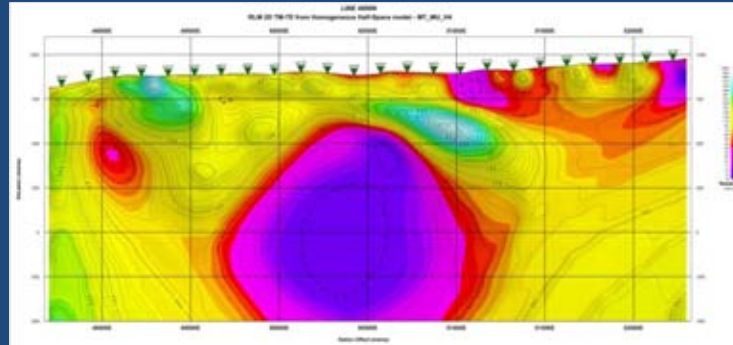
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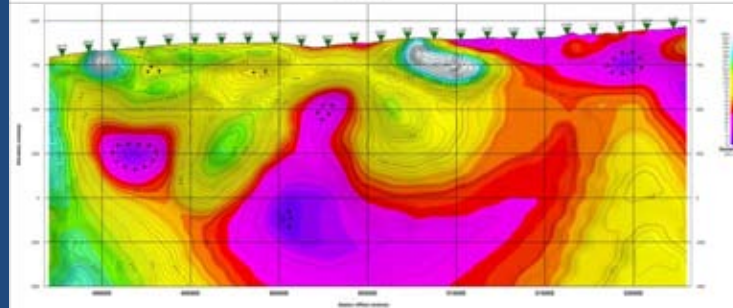
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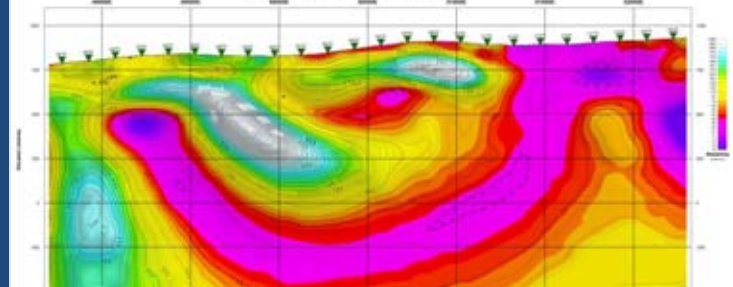
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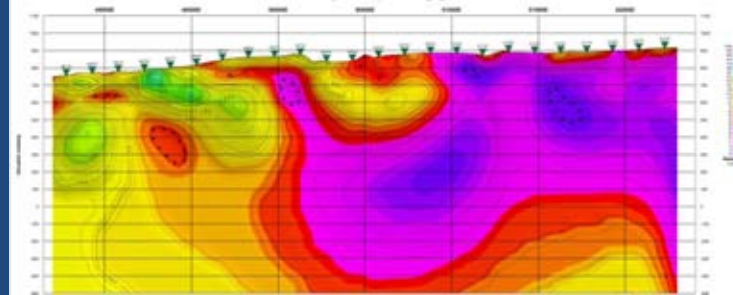
L4600N



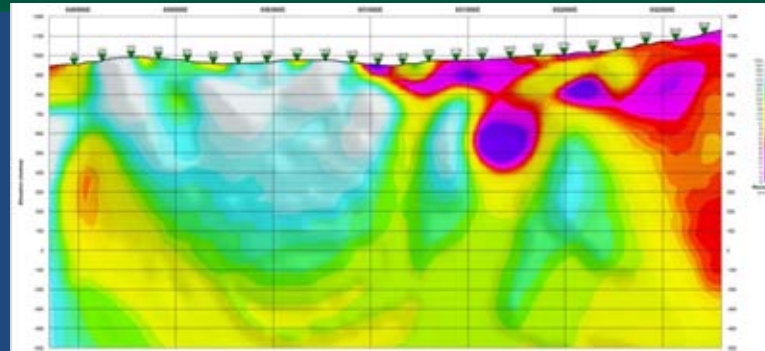
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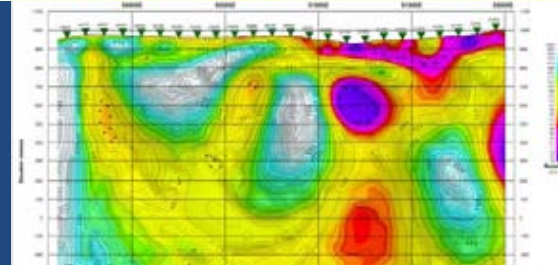
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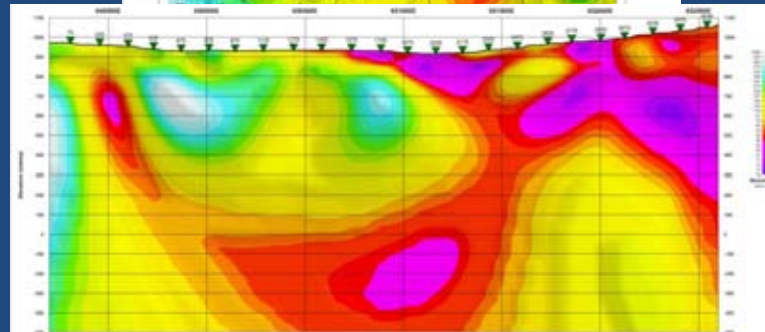
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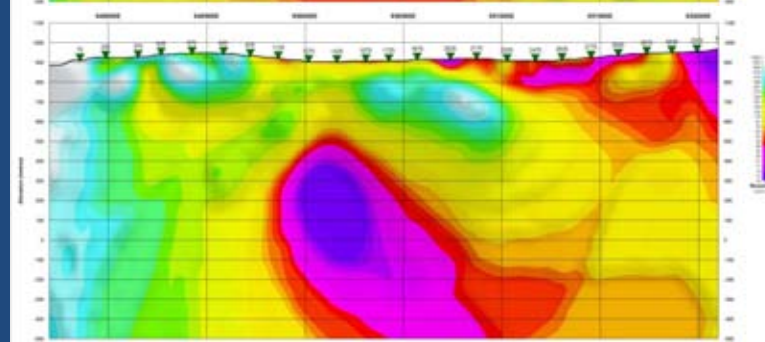
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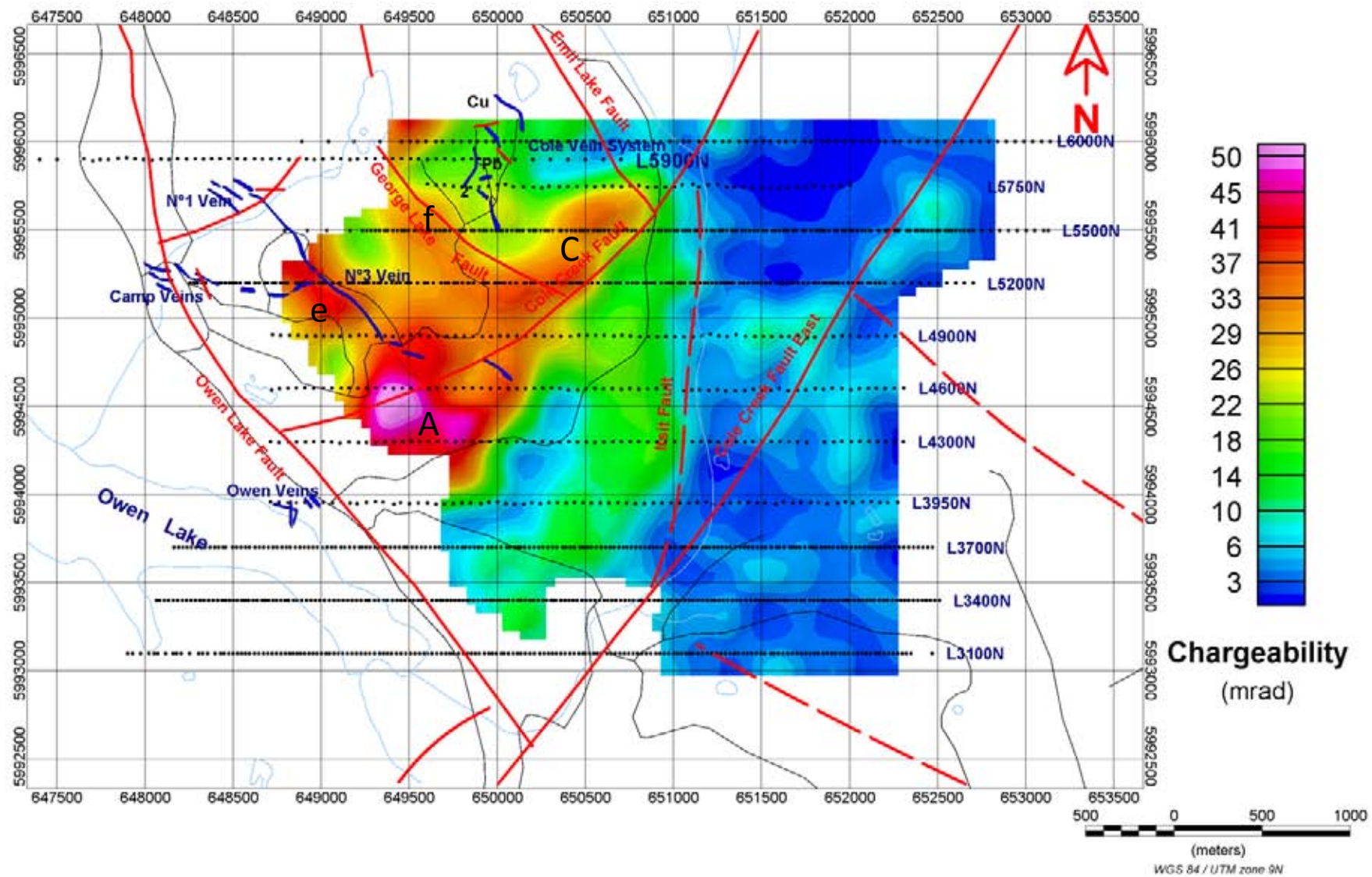


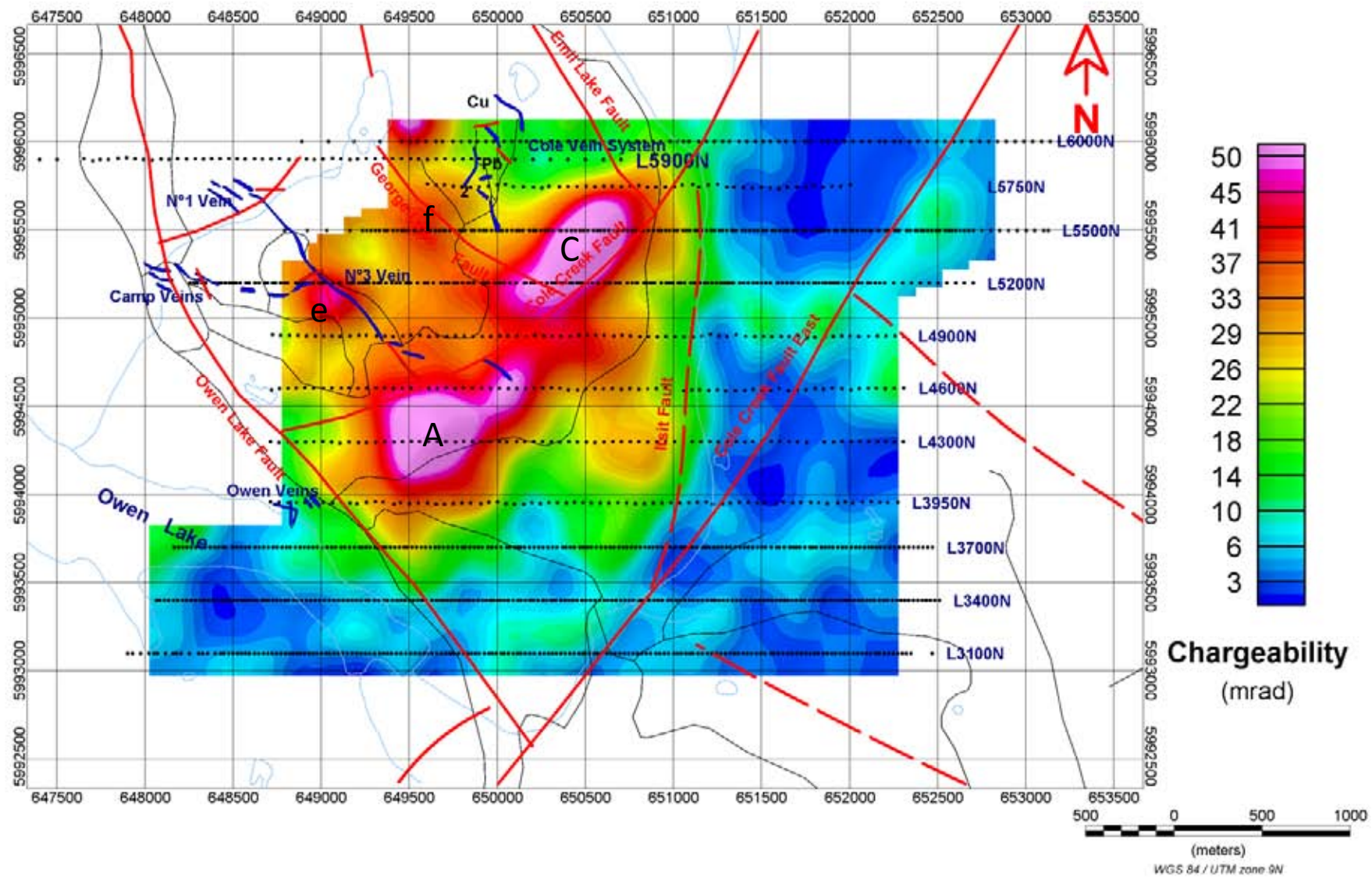
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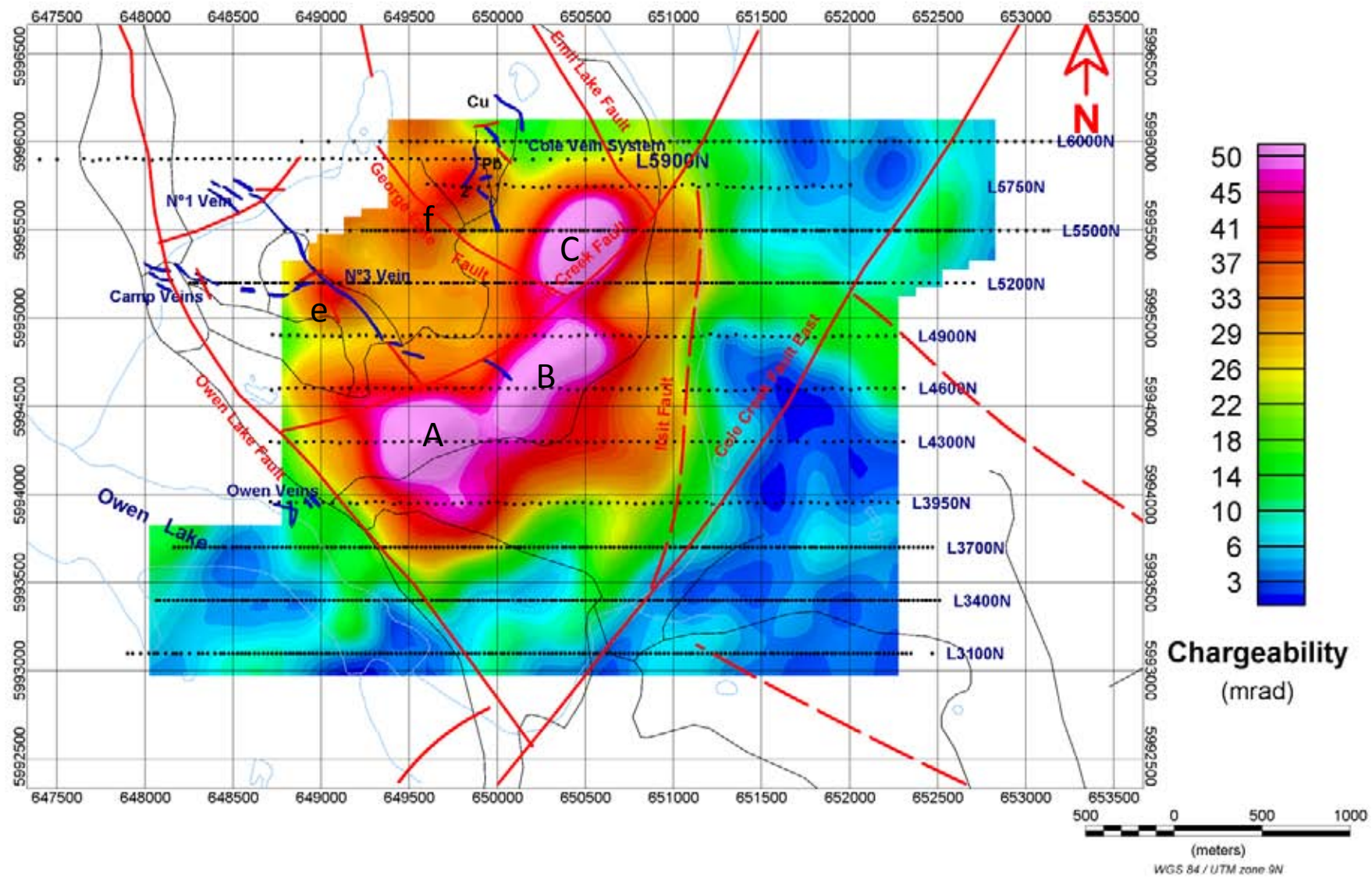


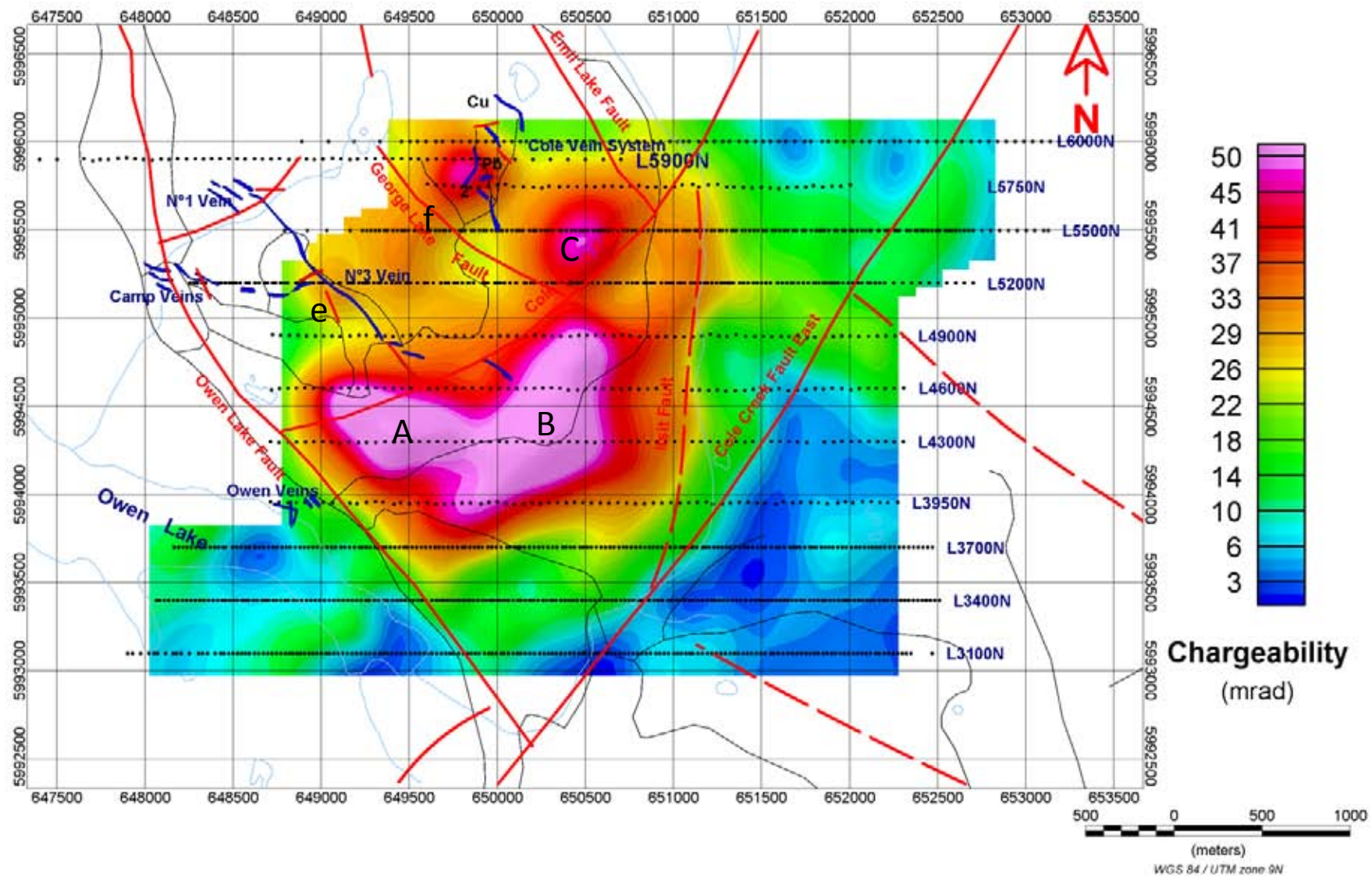
# IP PLAN MAPS (Elevation Slices)



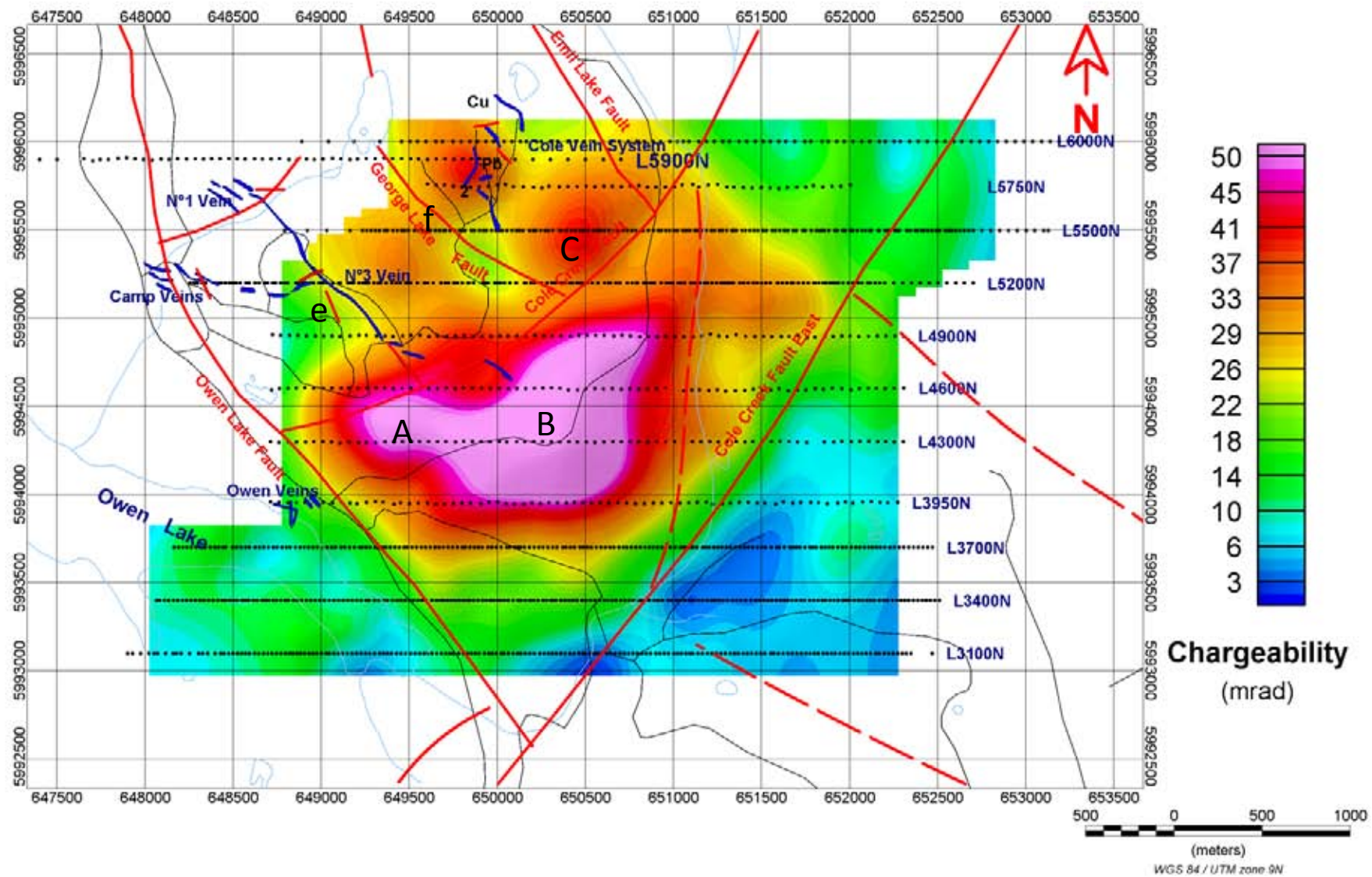




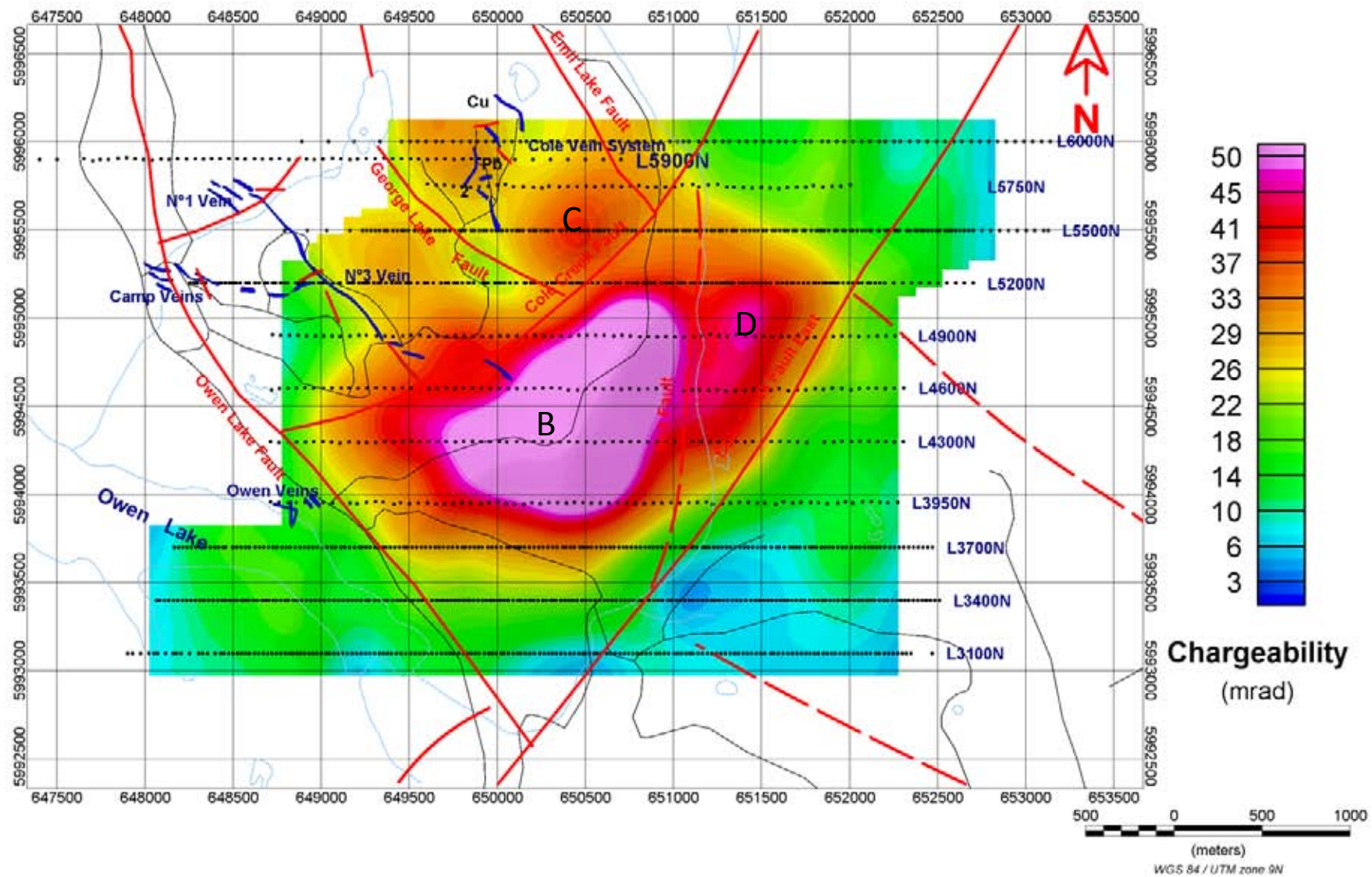


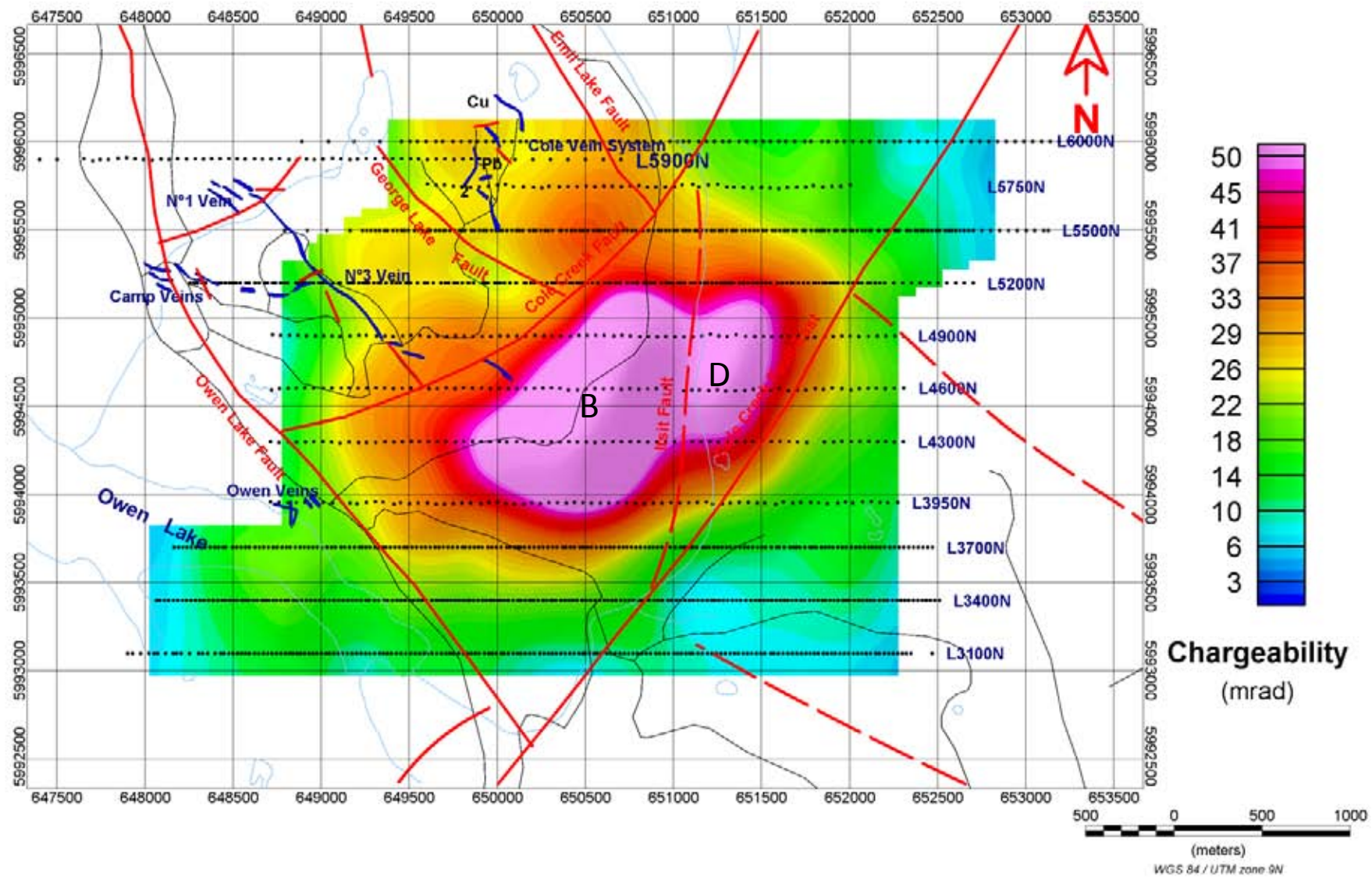




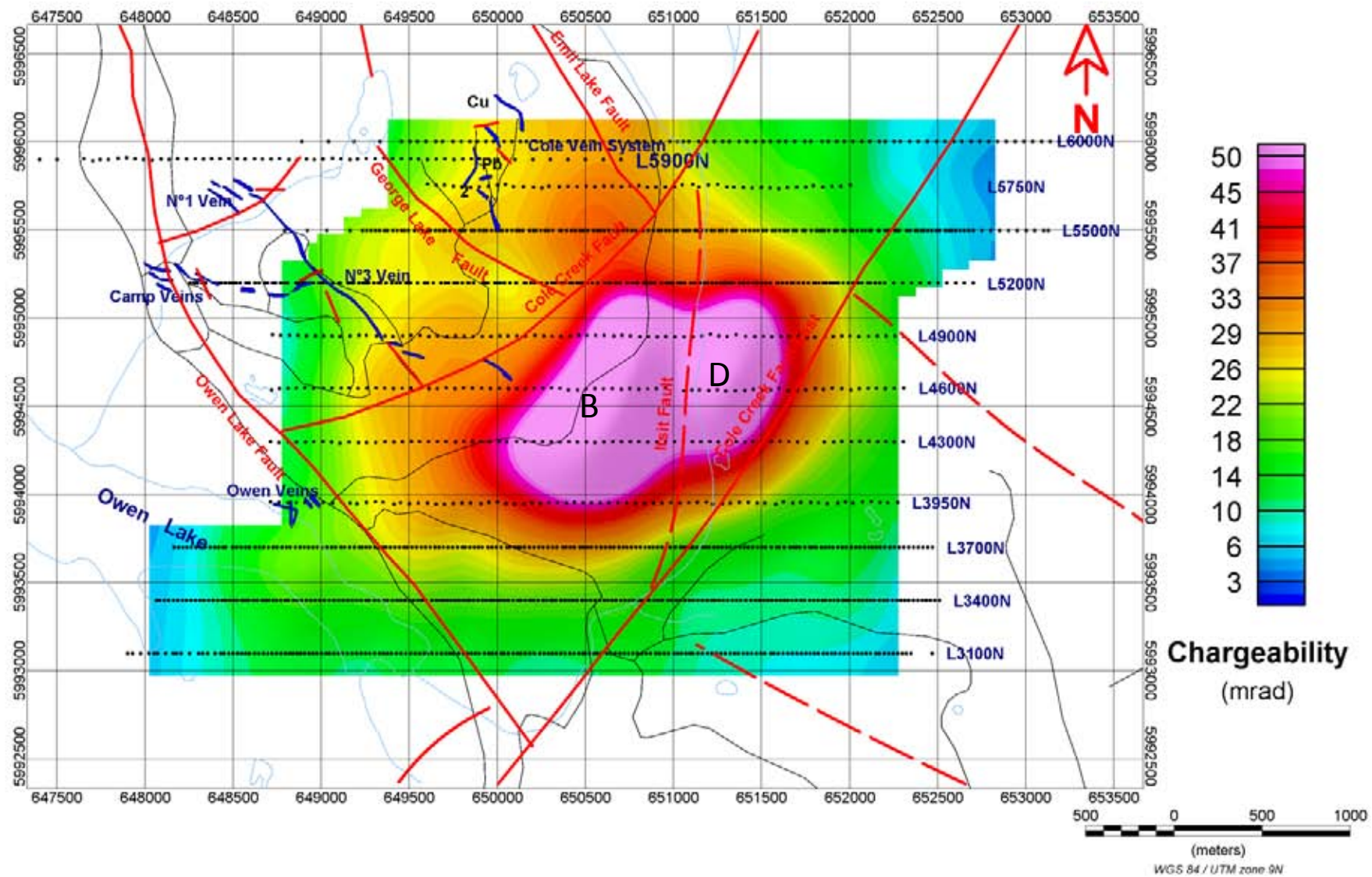




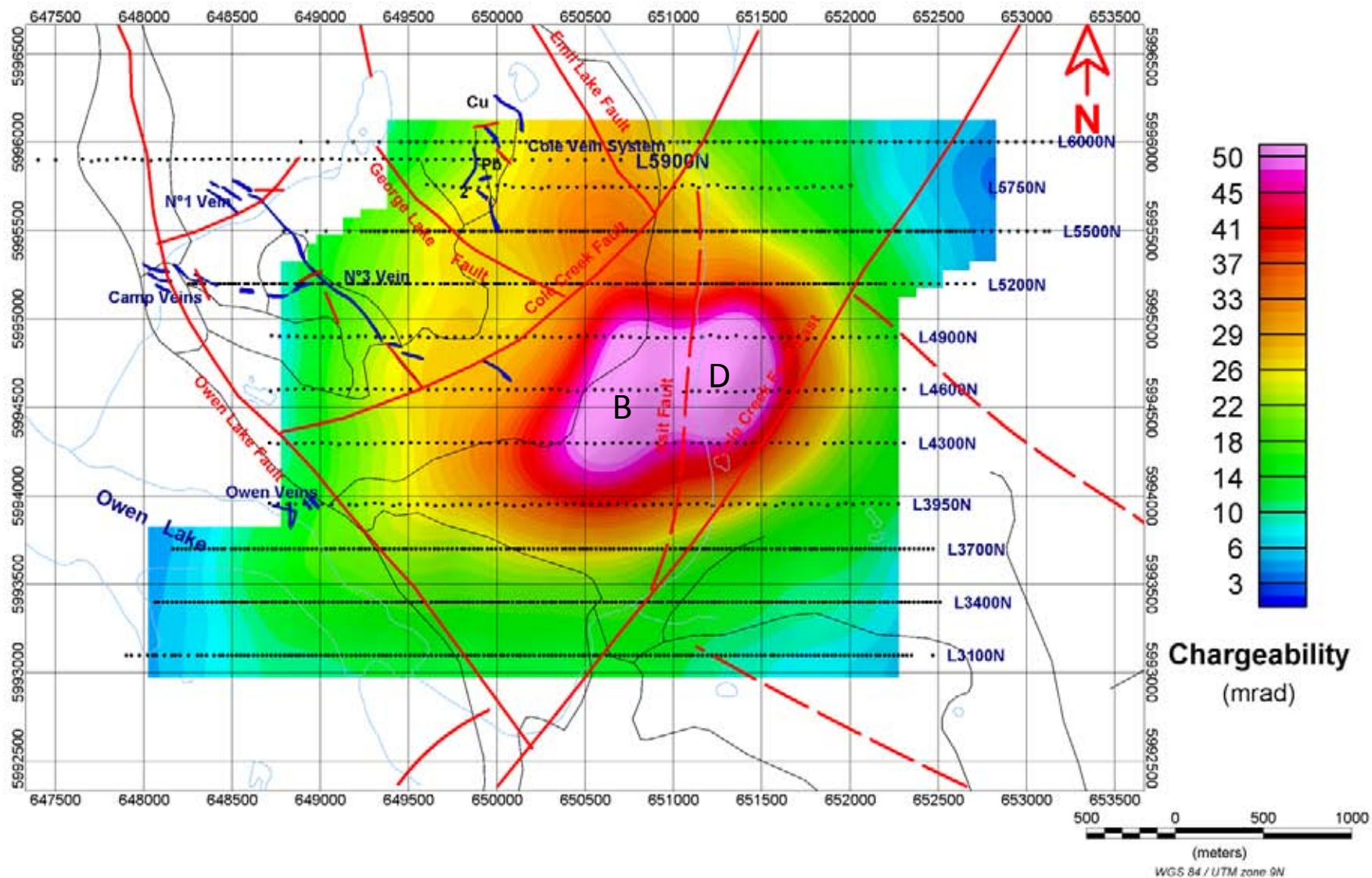


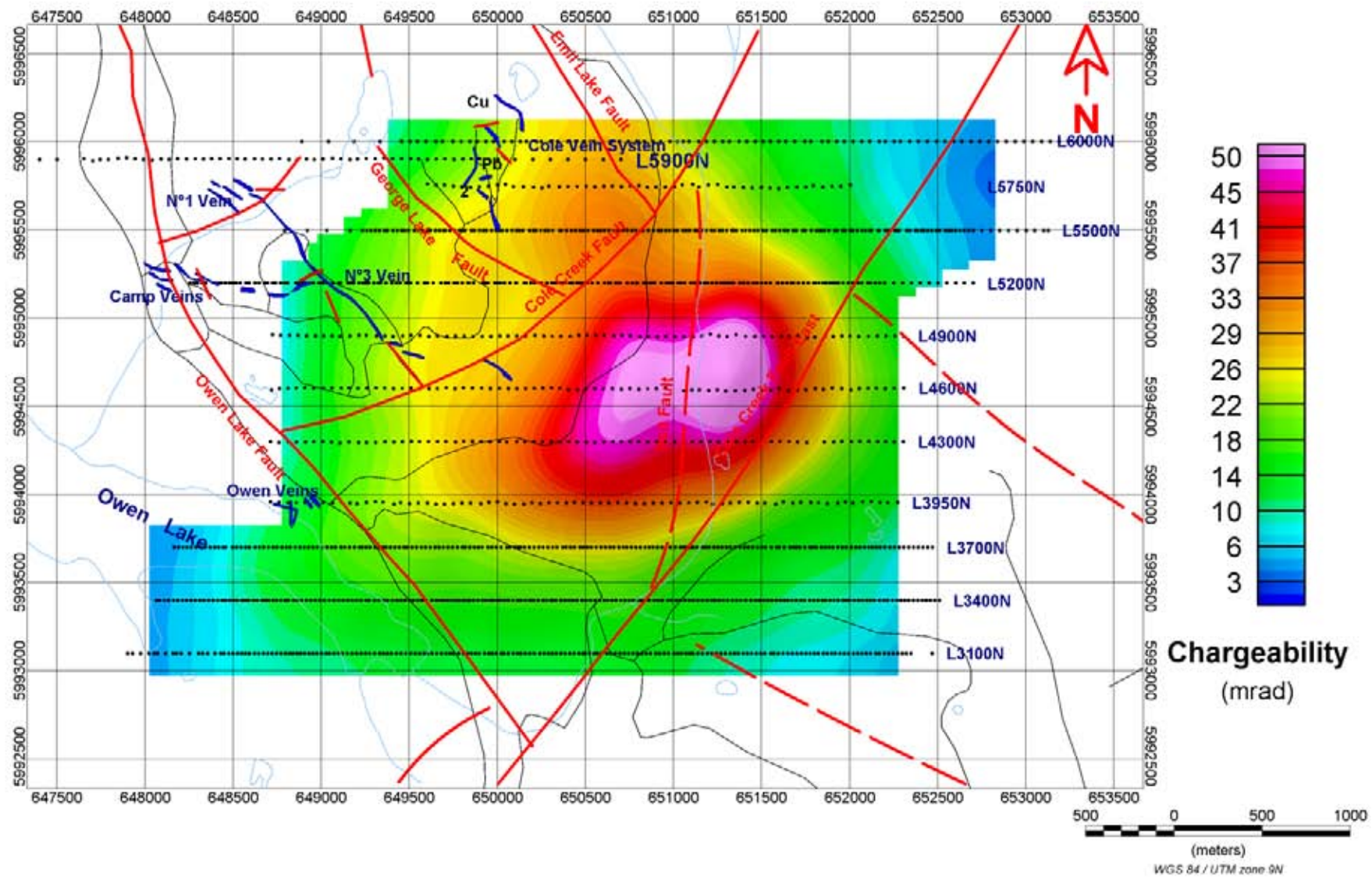






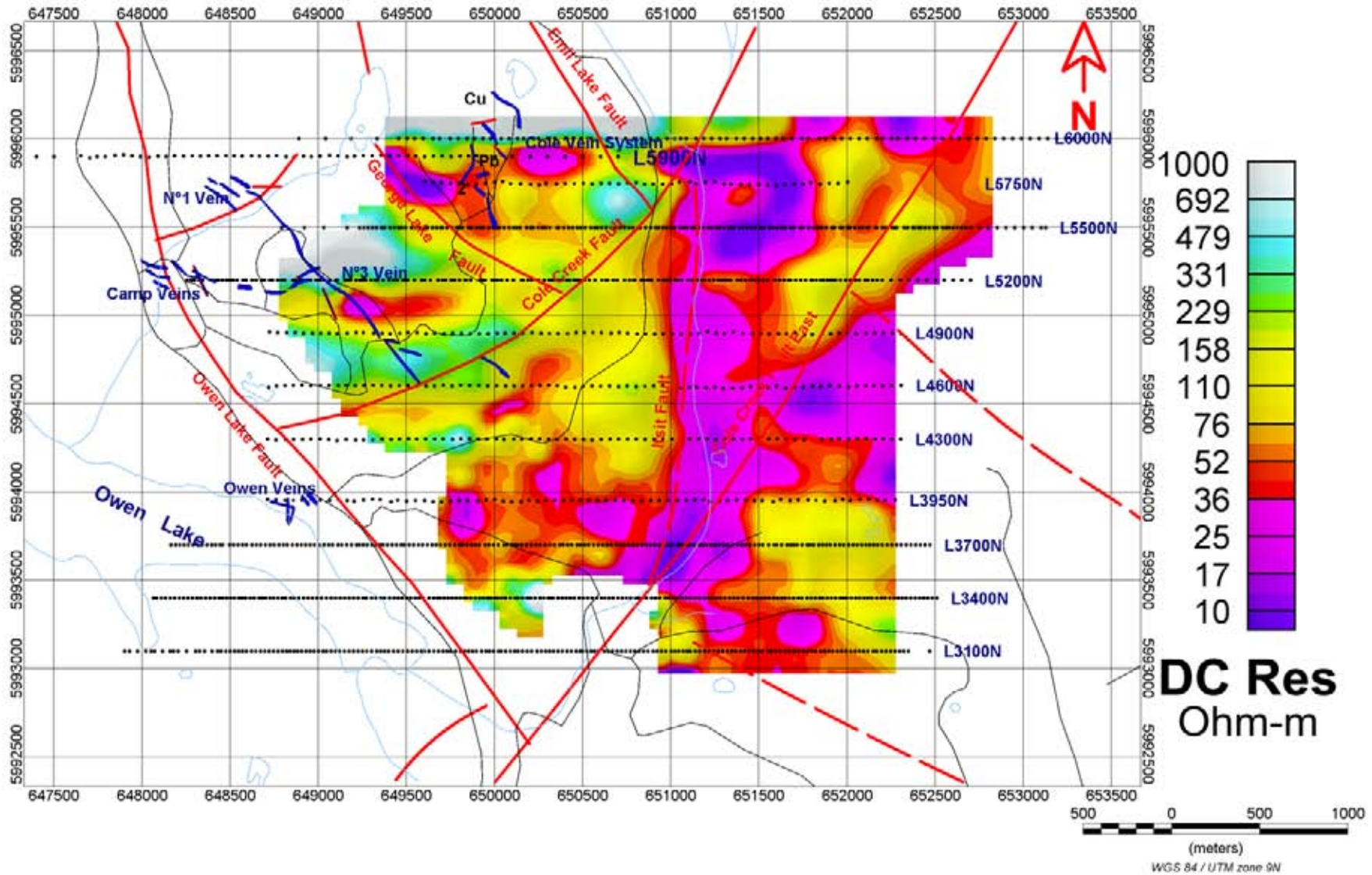


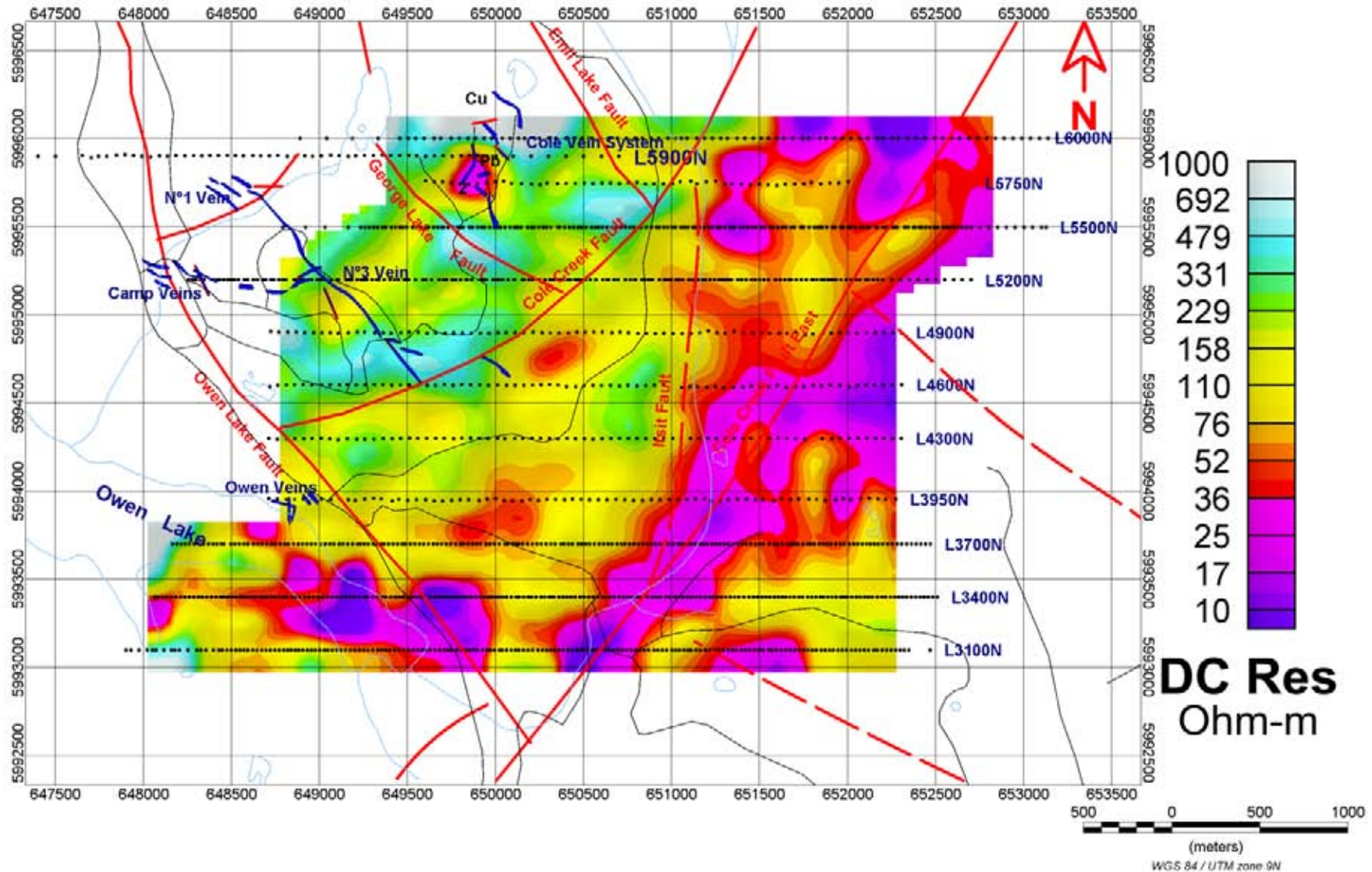




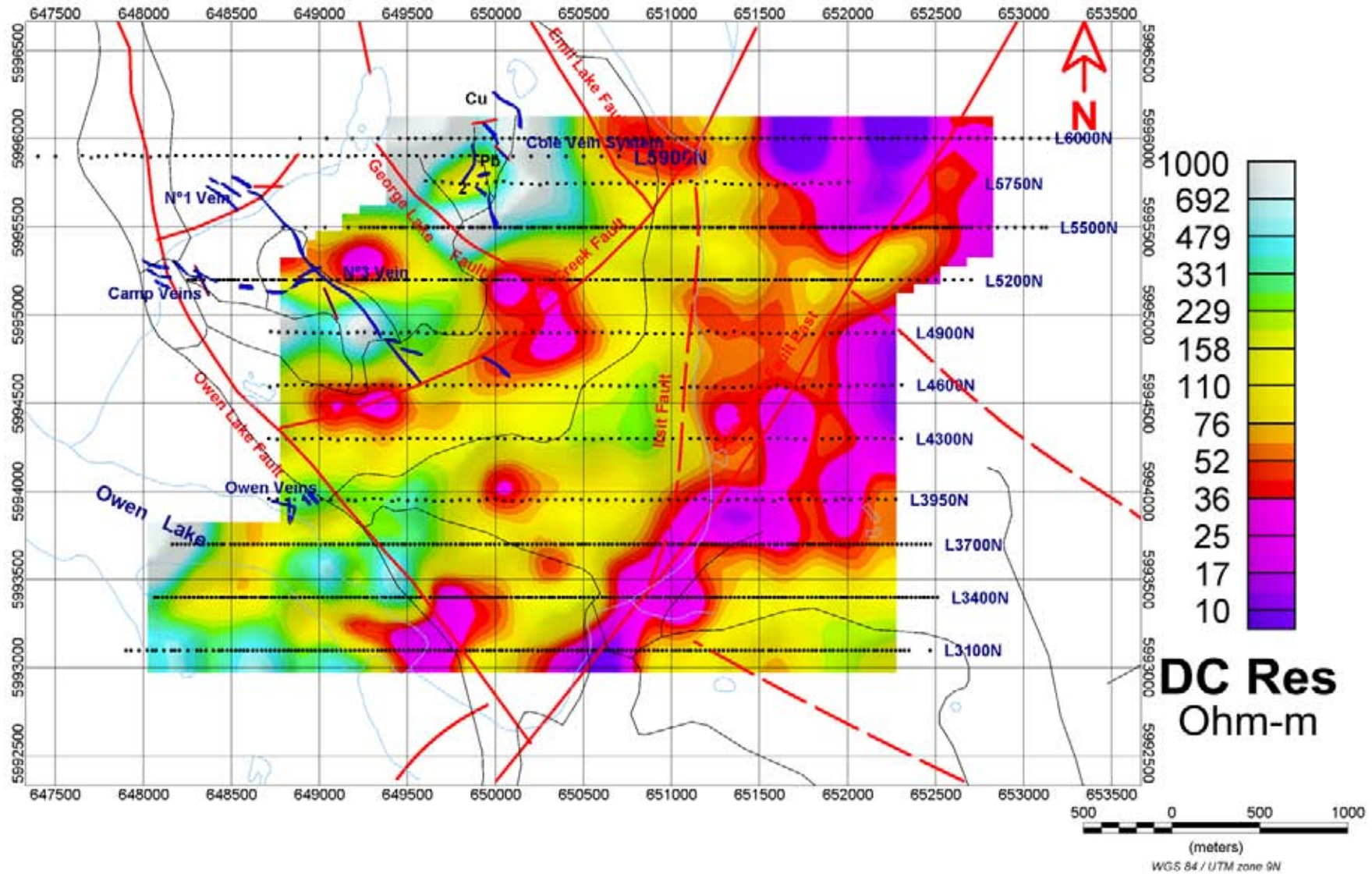
# DC RESISTIVITY PLAN MAPS (Elevation Slices)



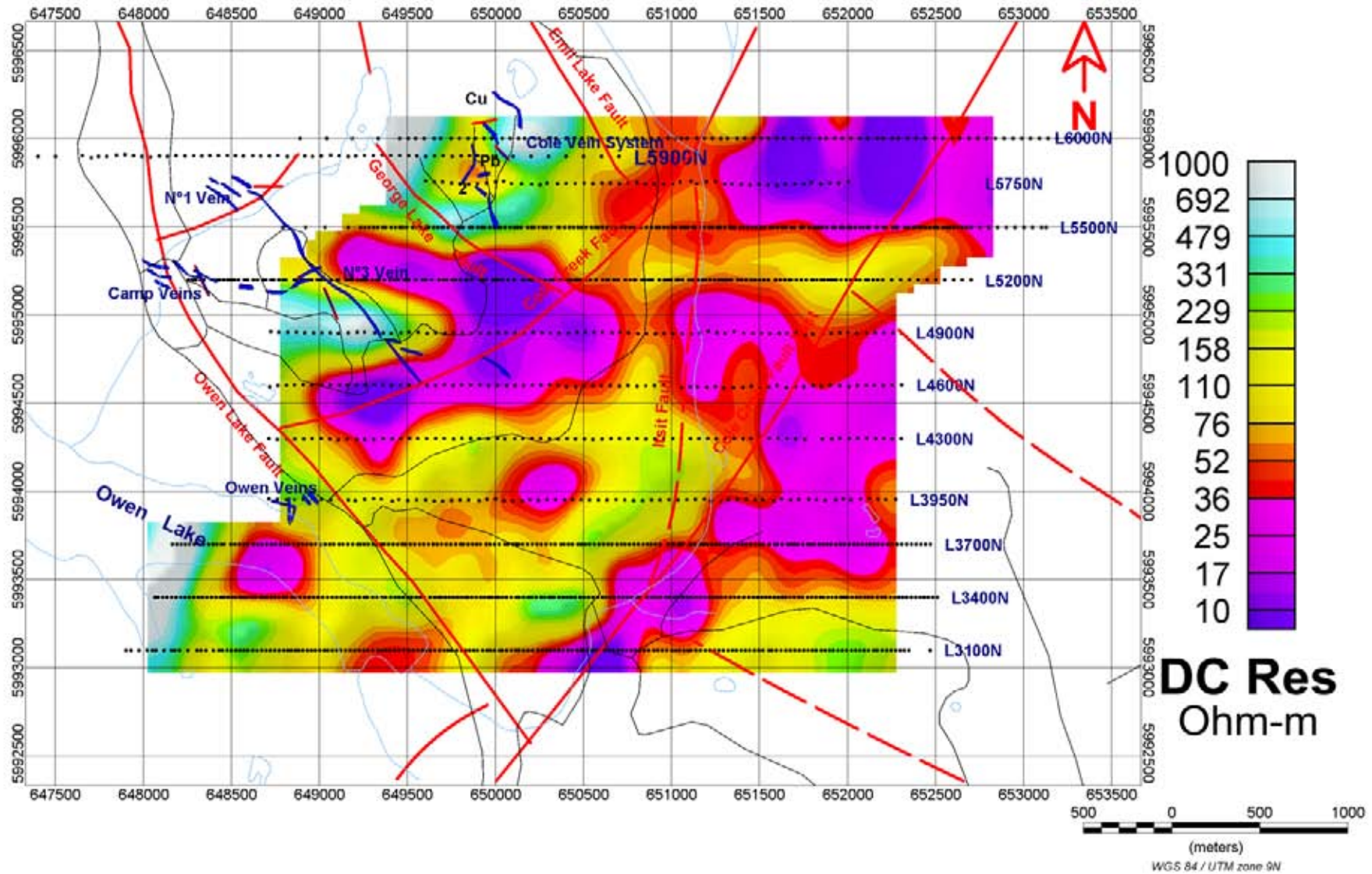


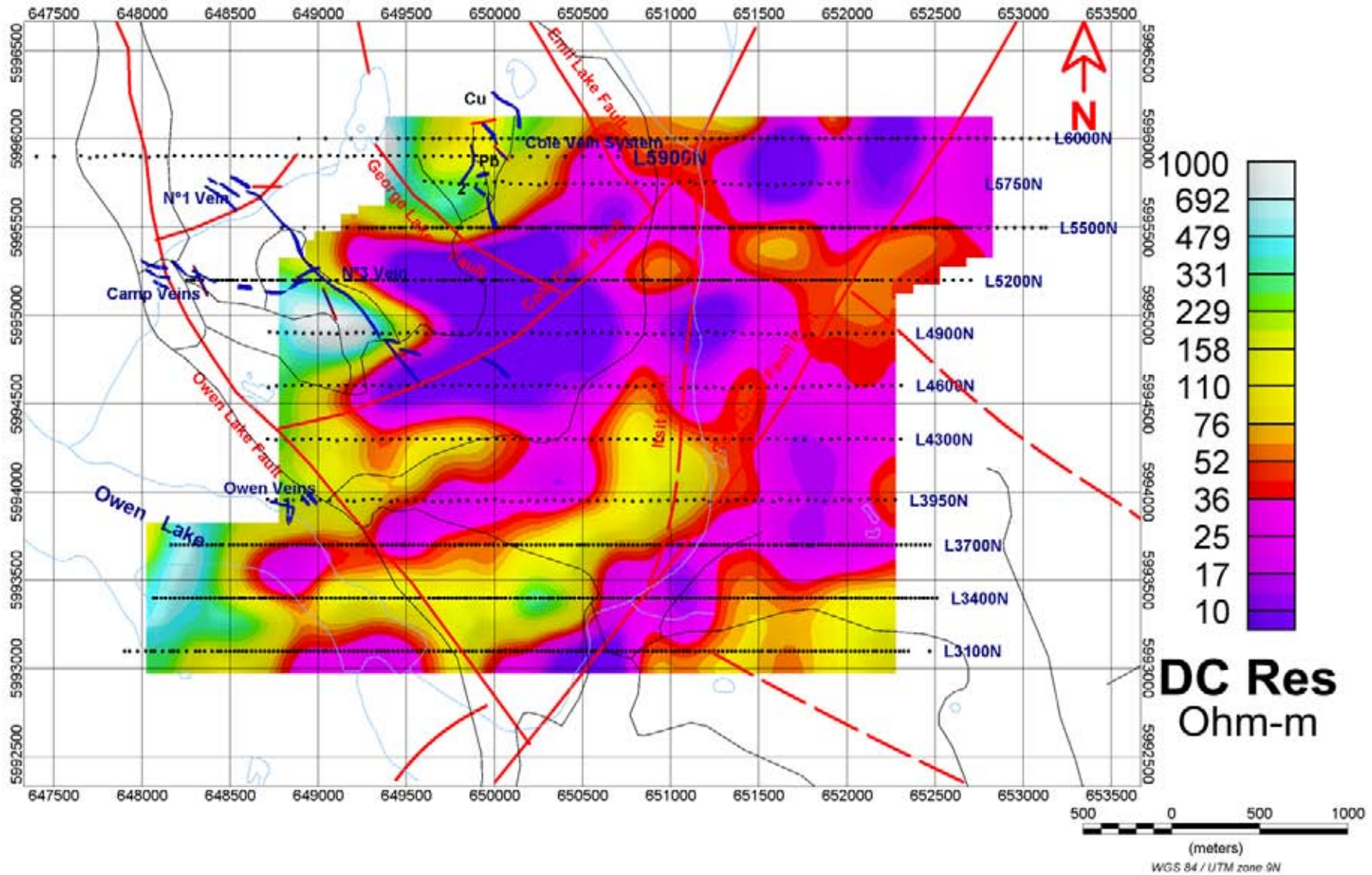




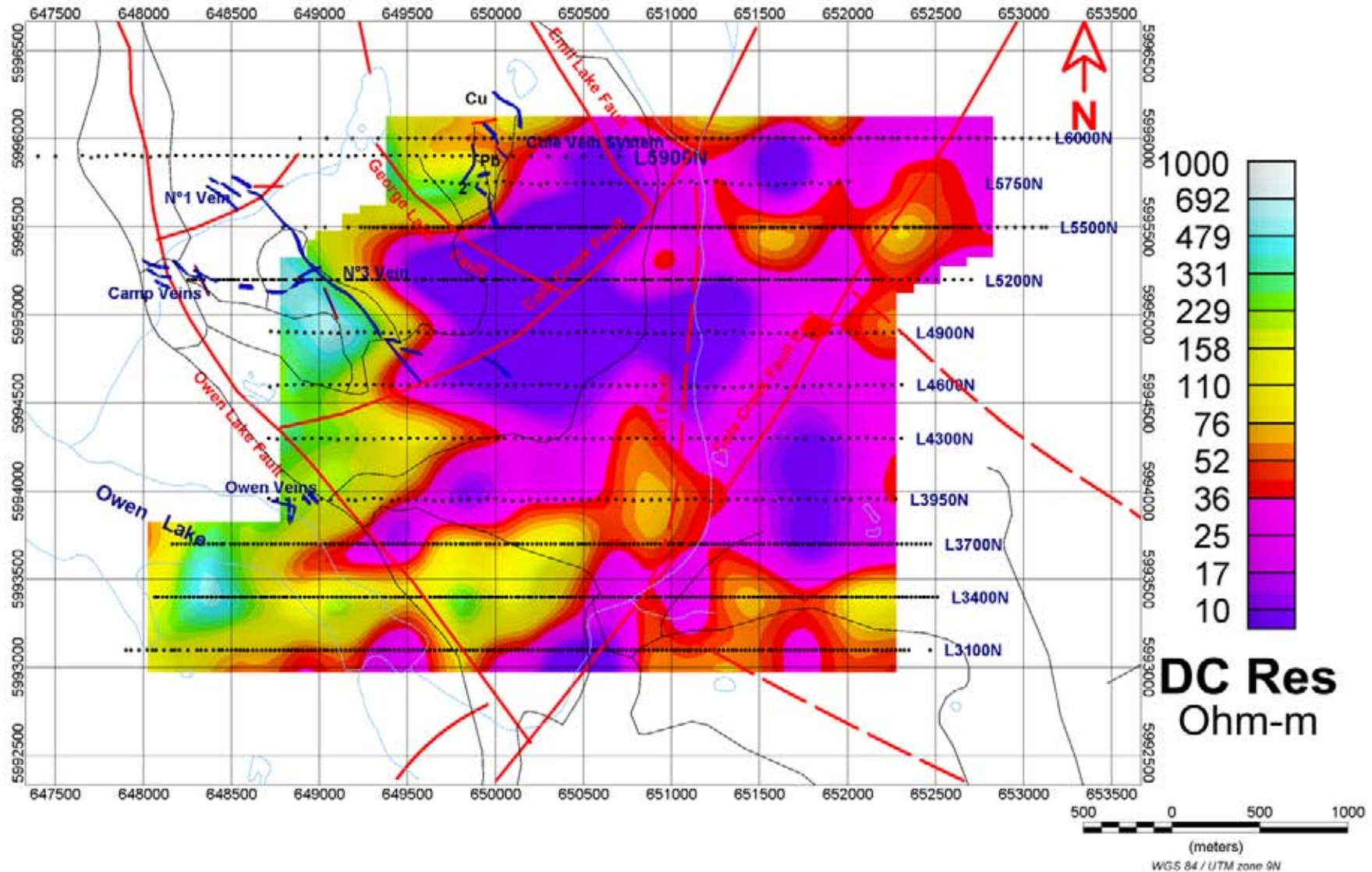




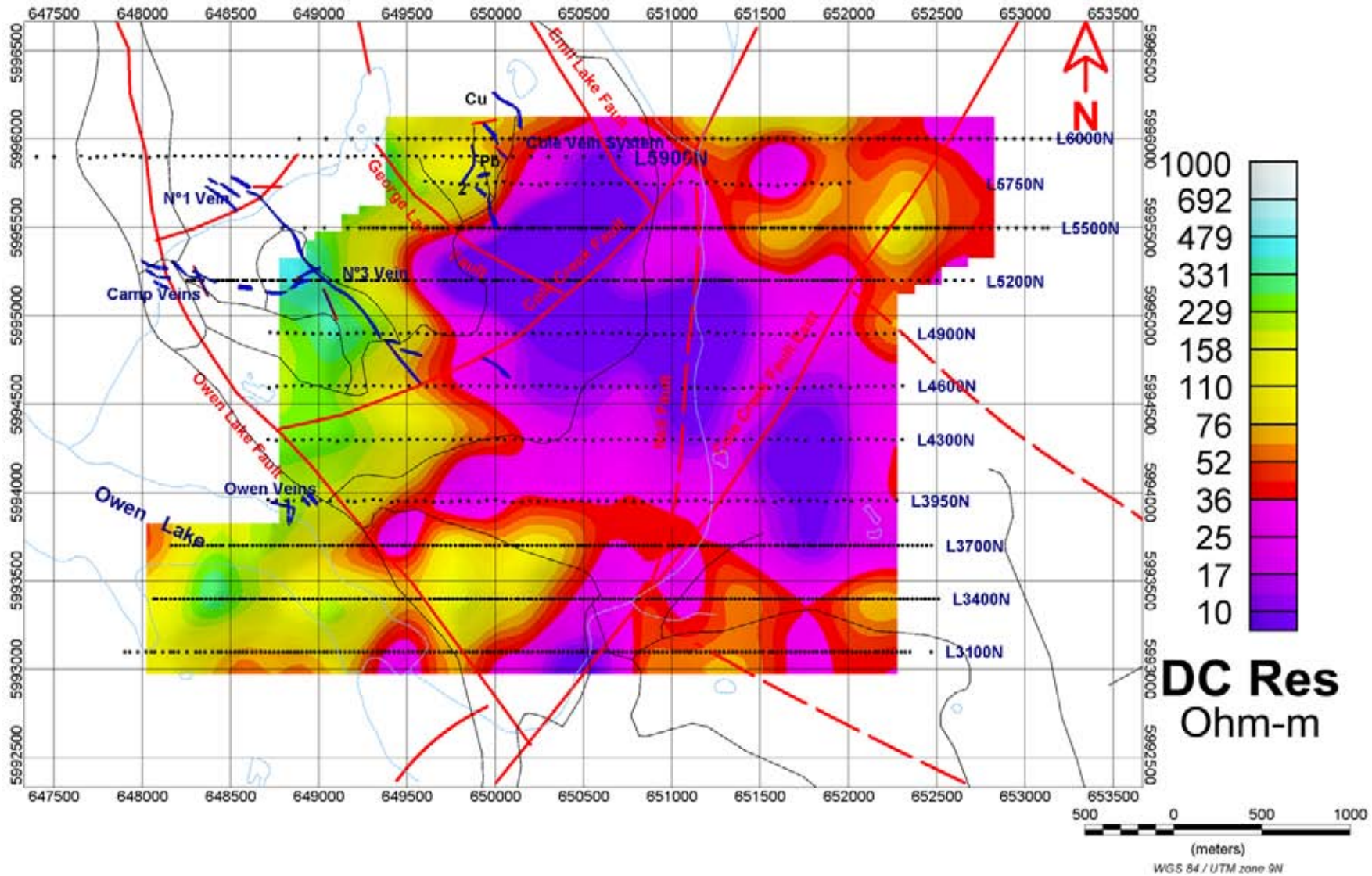


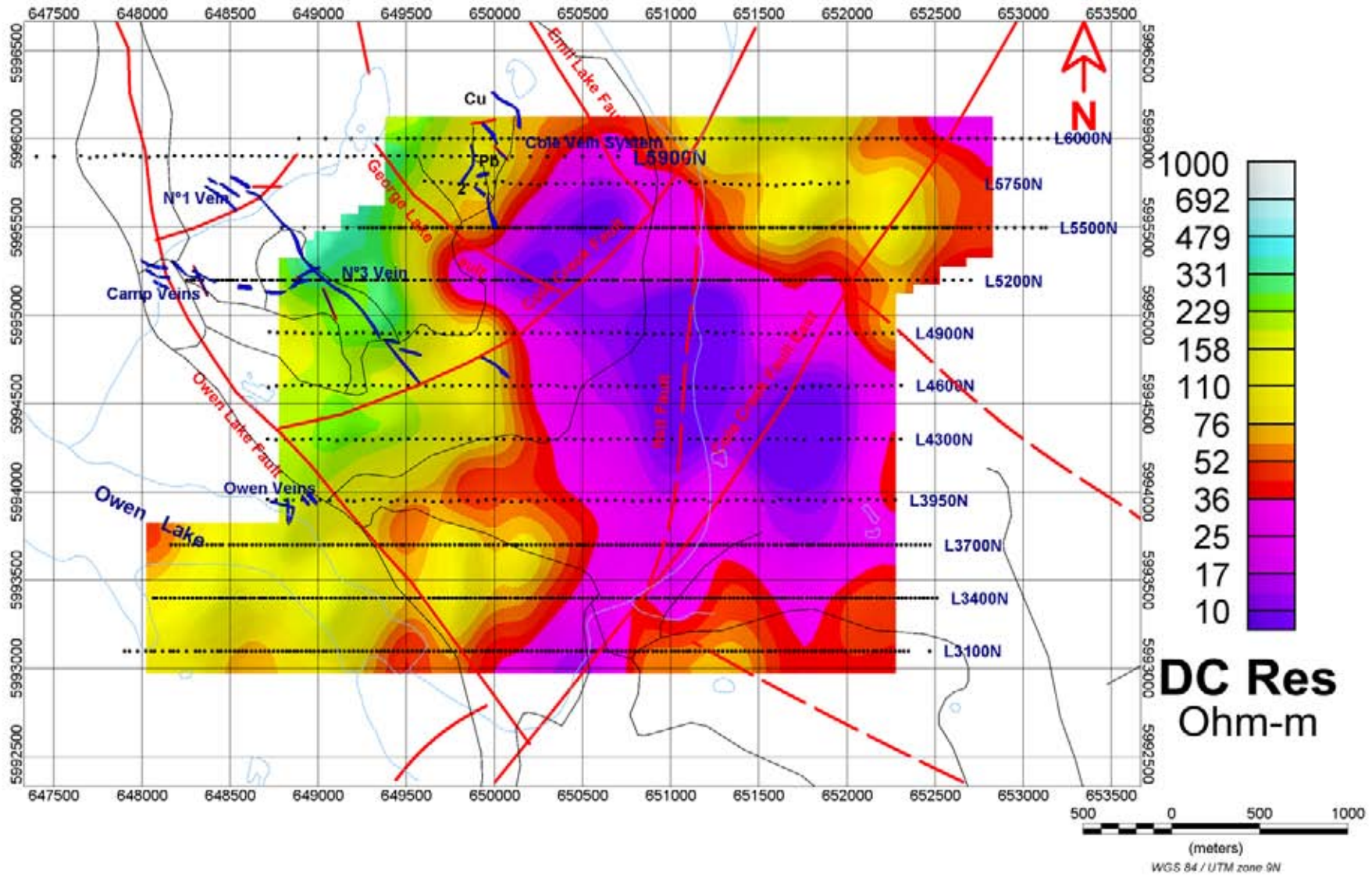




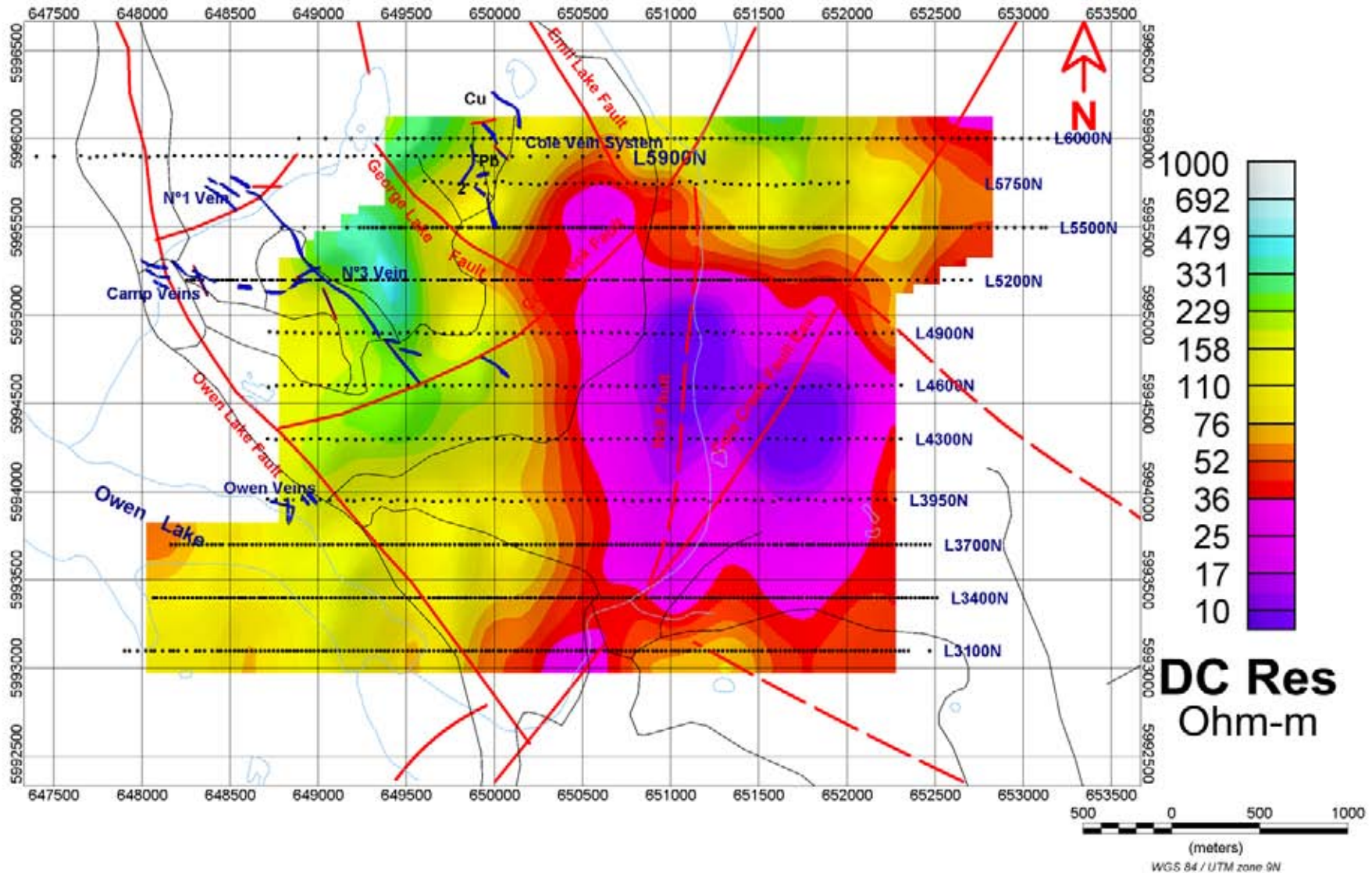




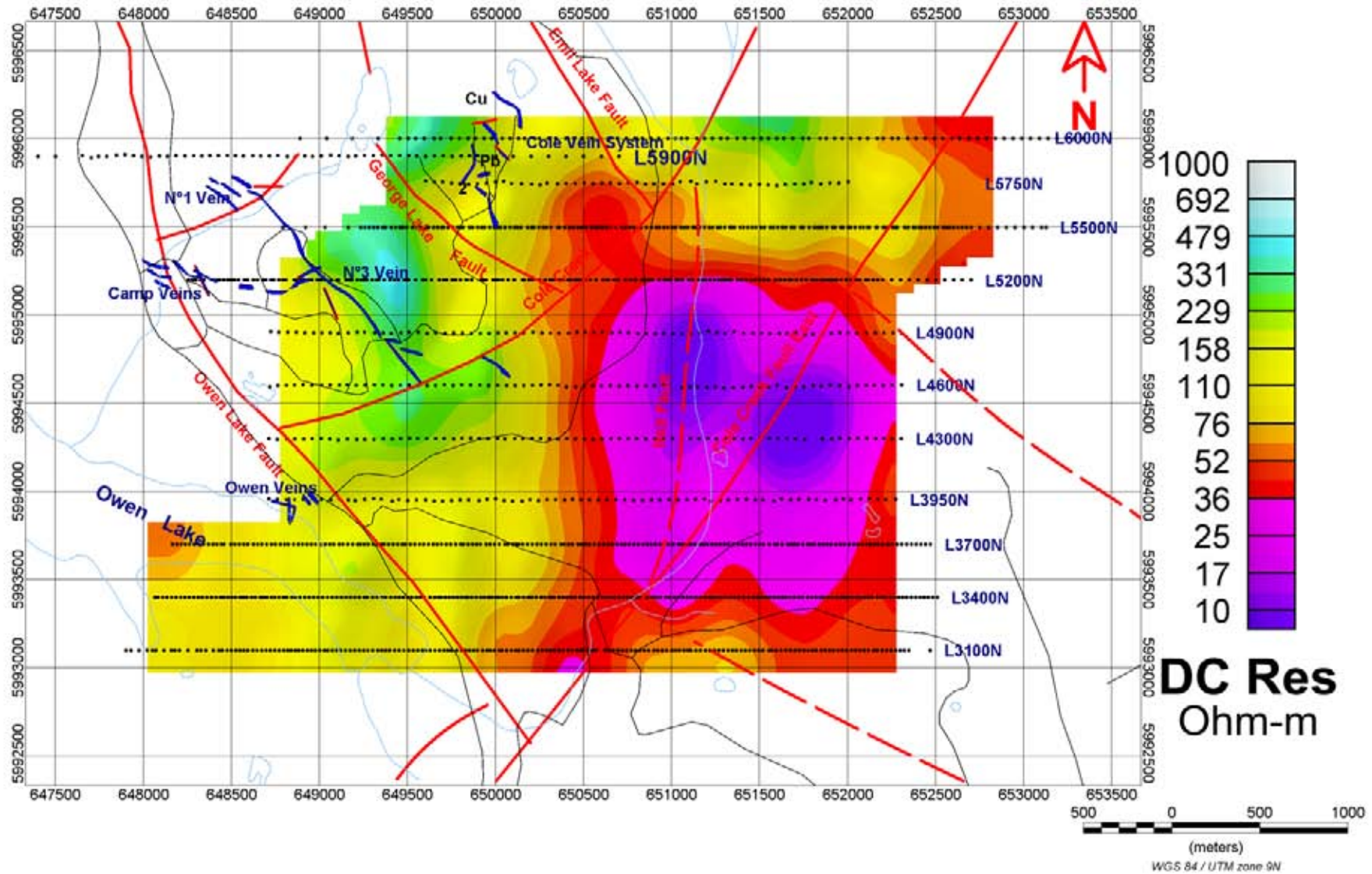




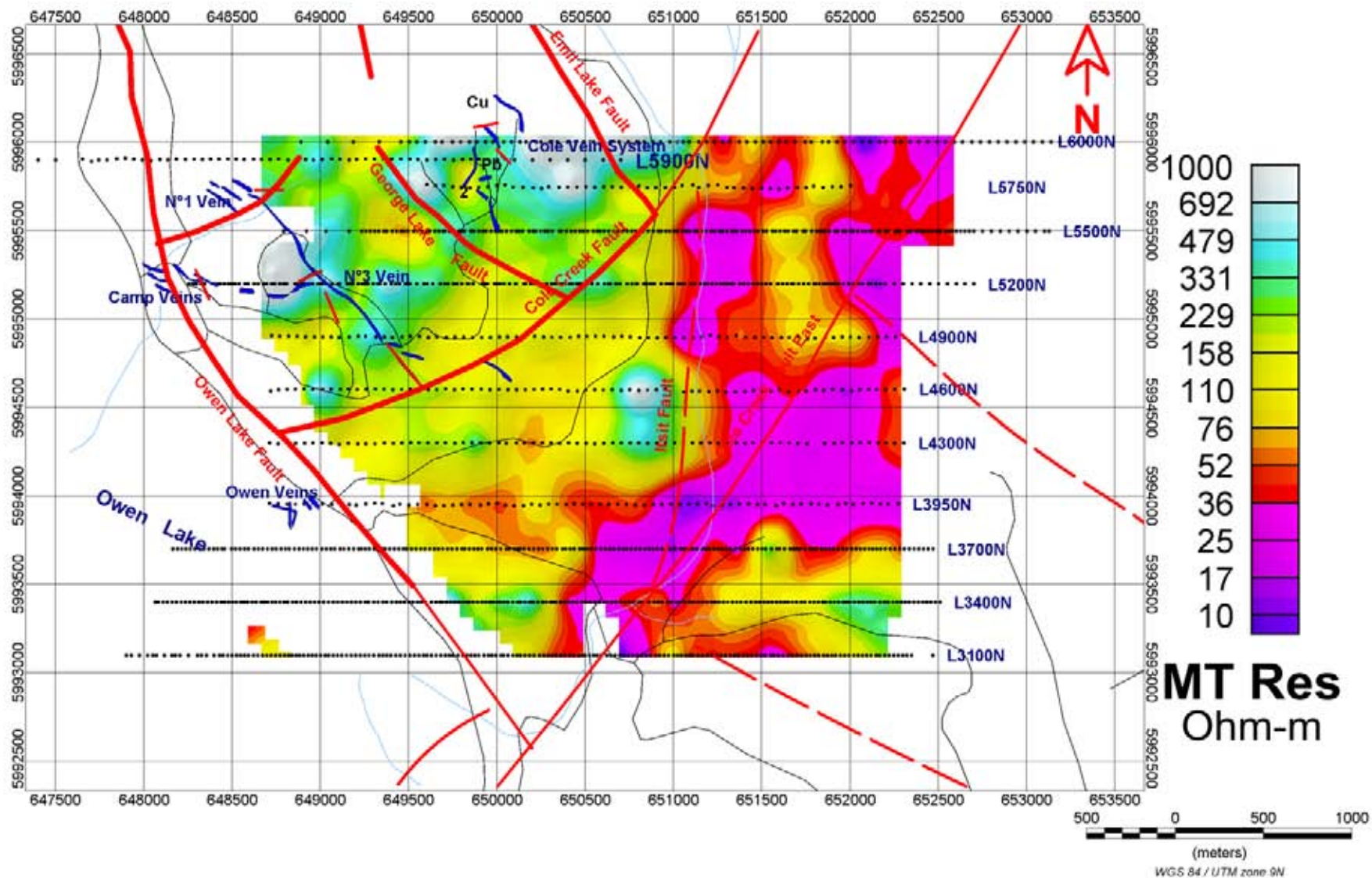




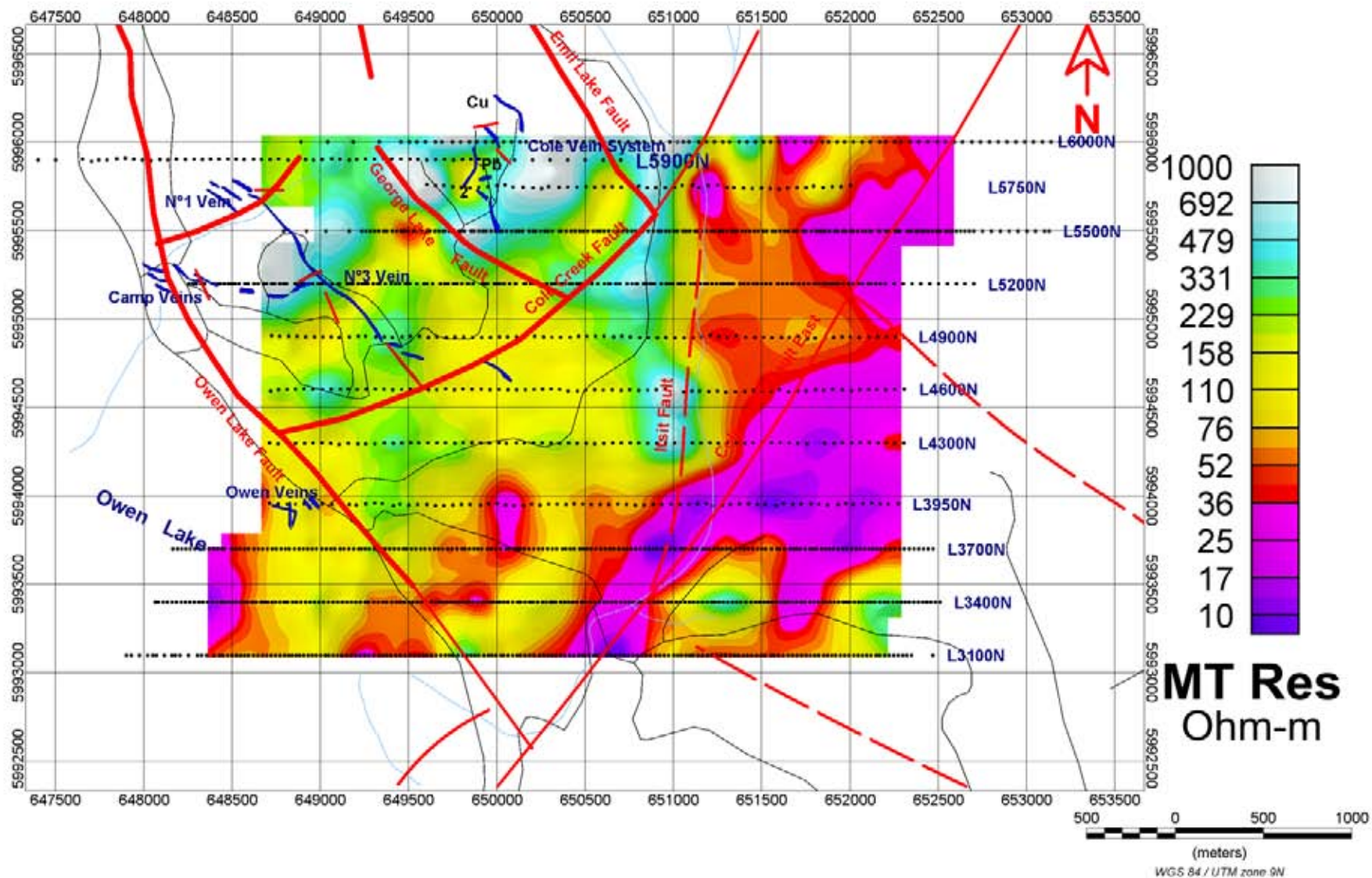


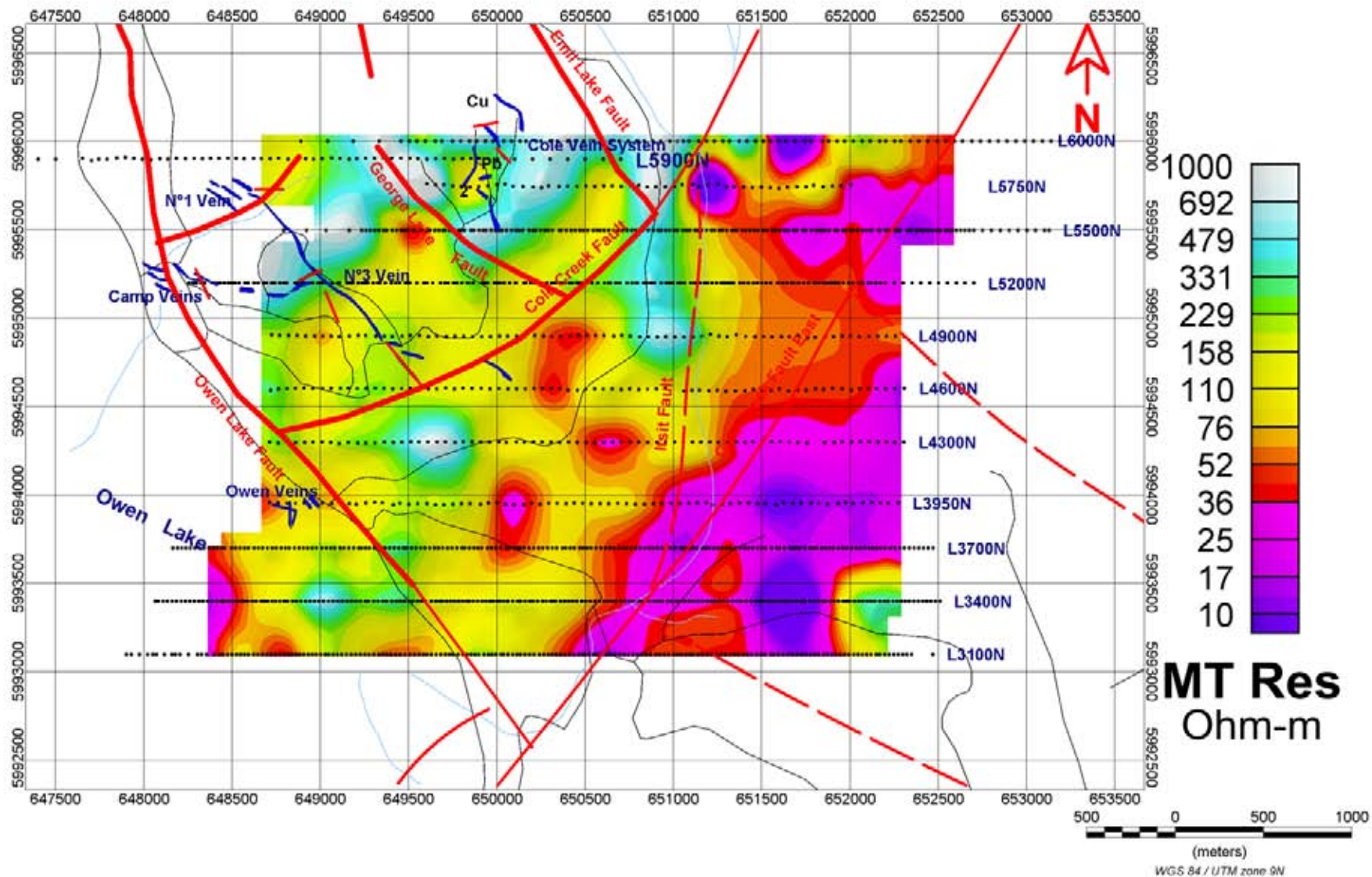


# MT Plan Maps

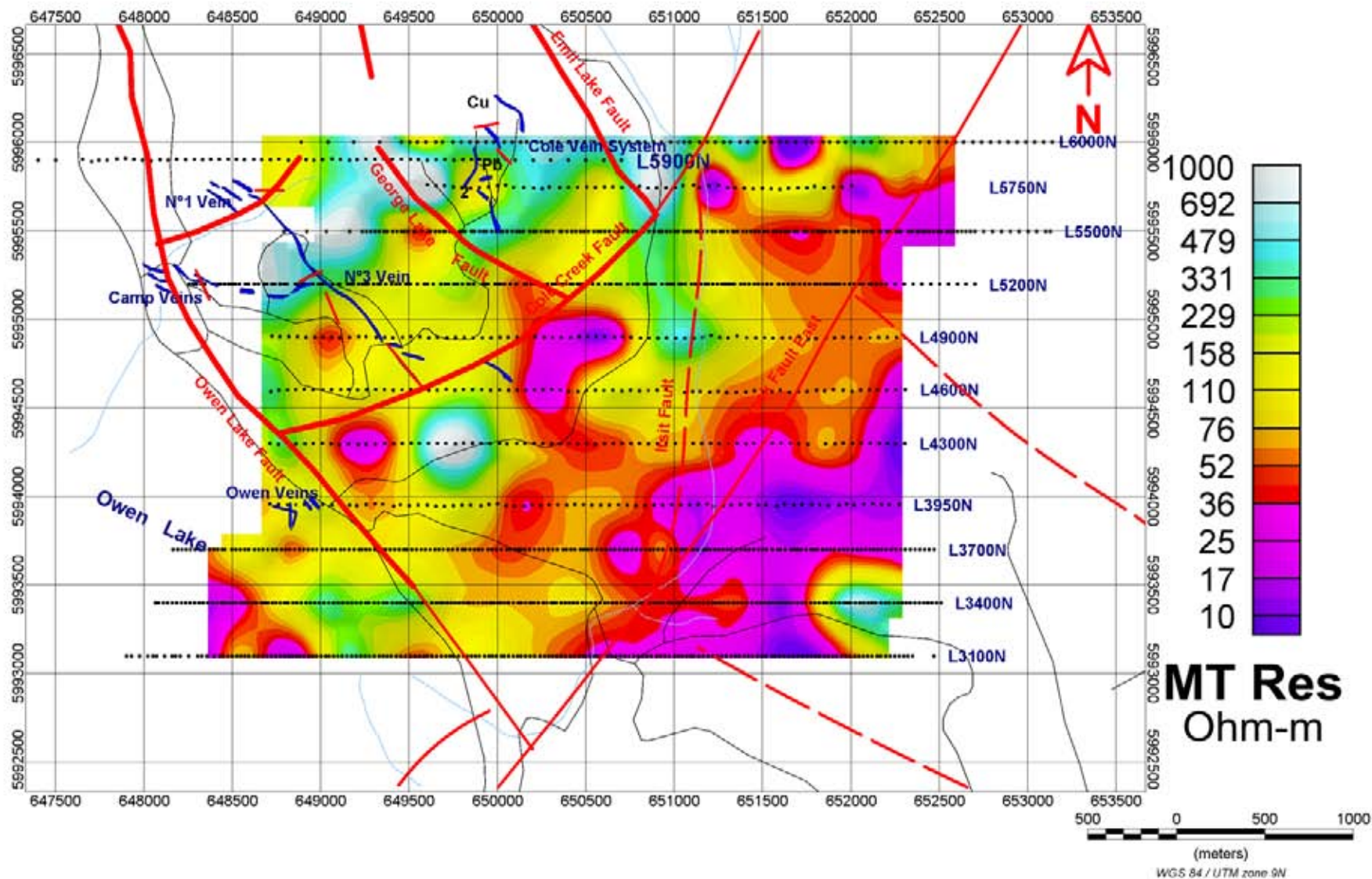




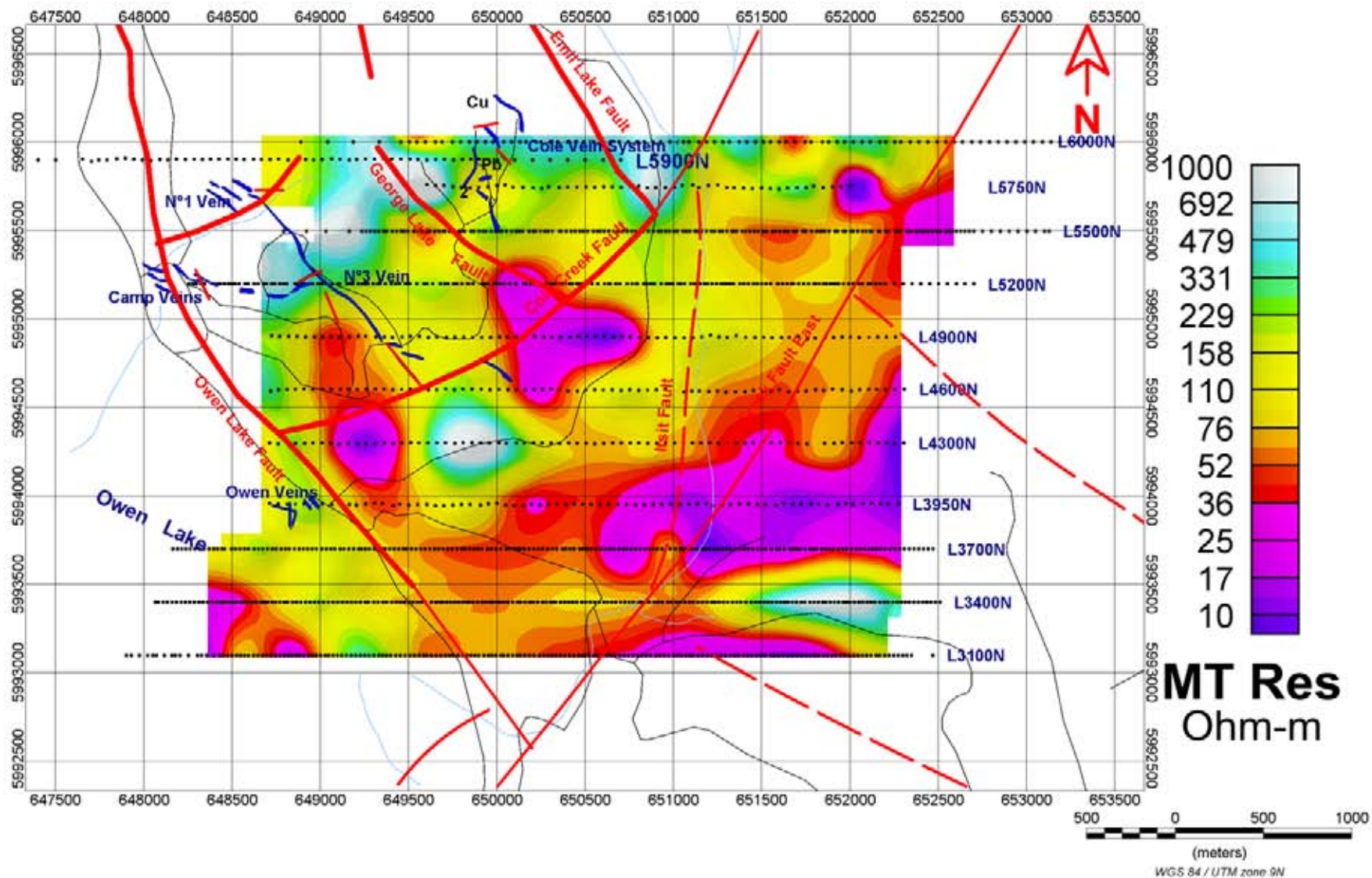


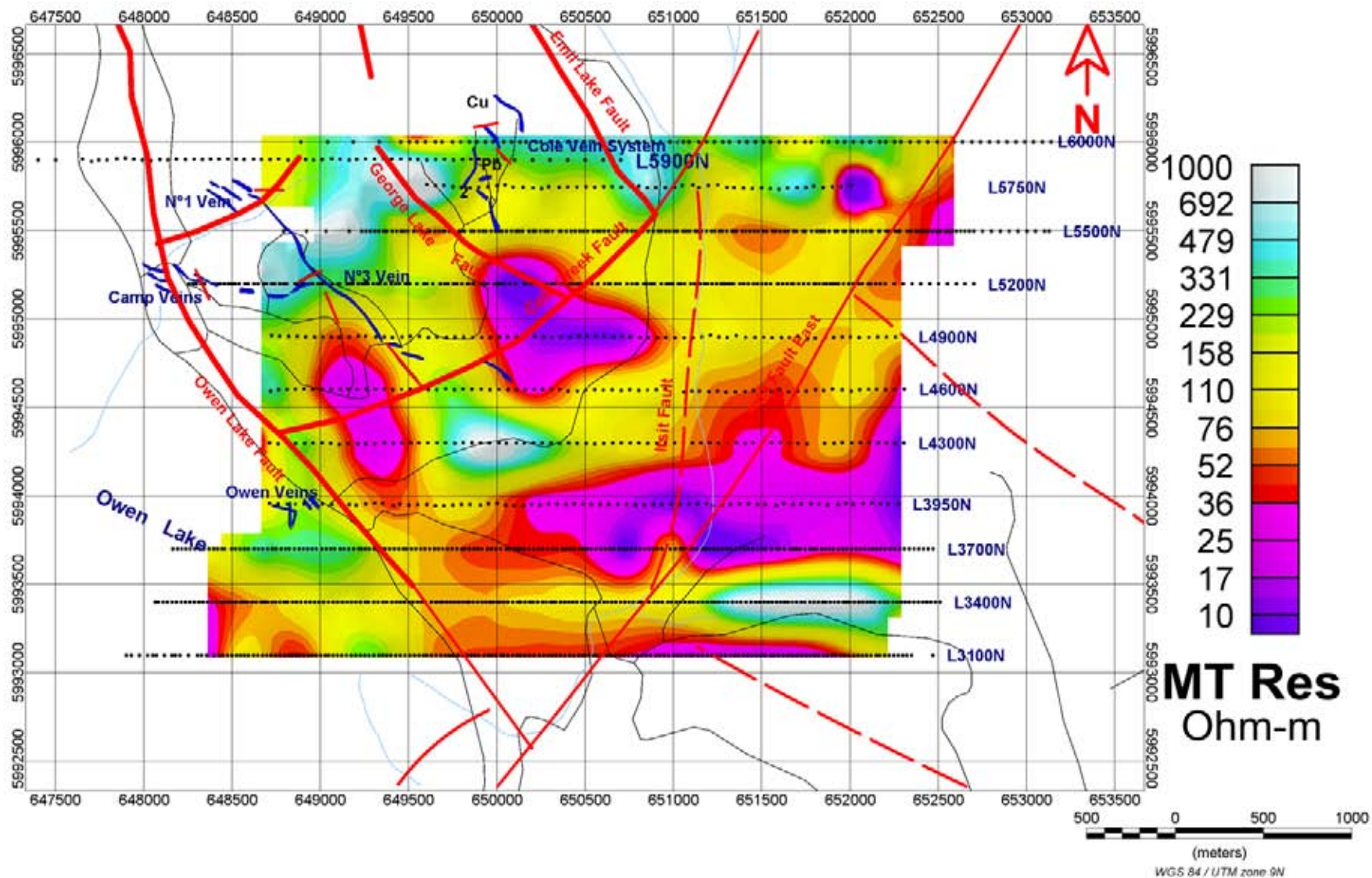




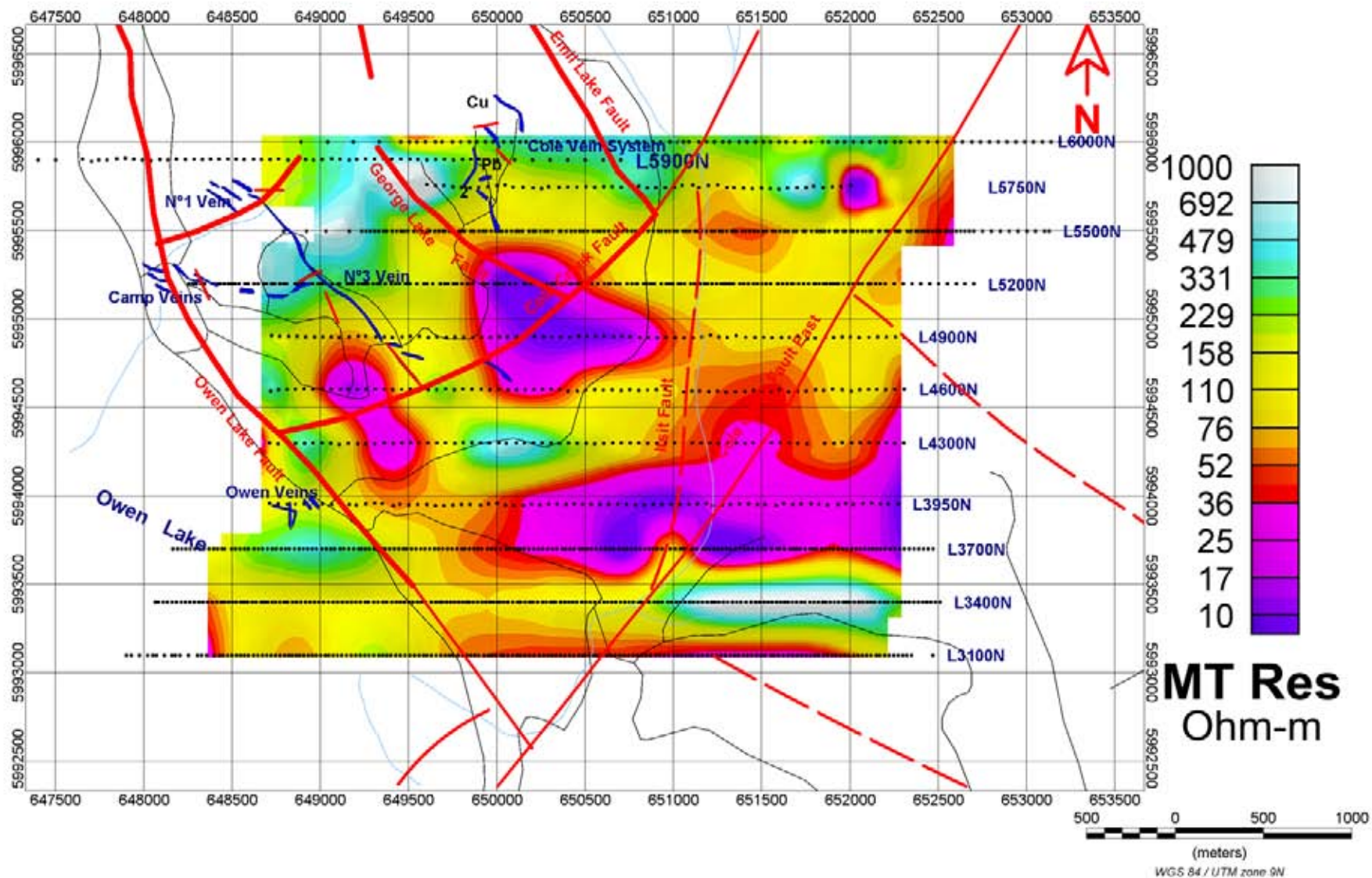


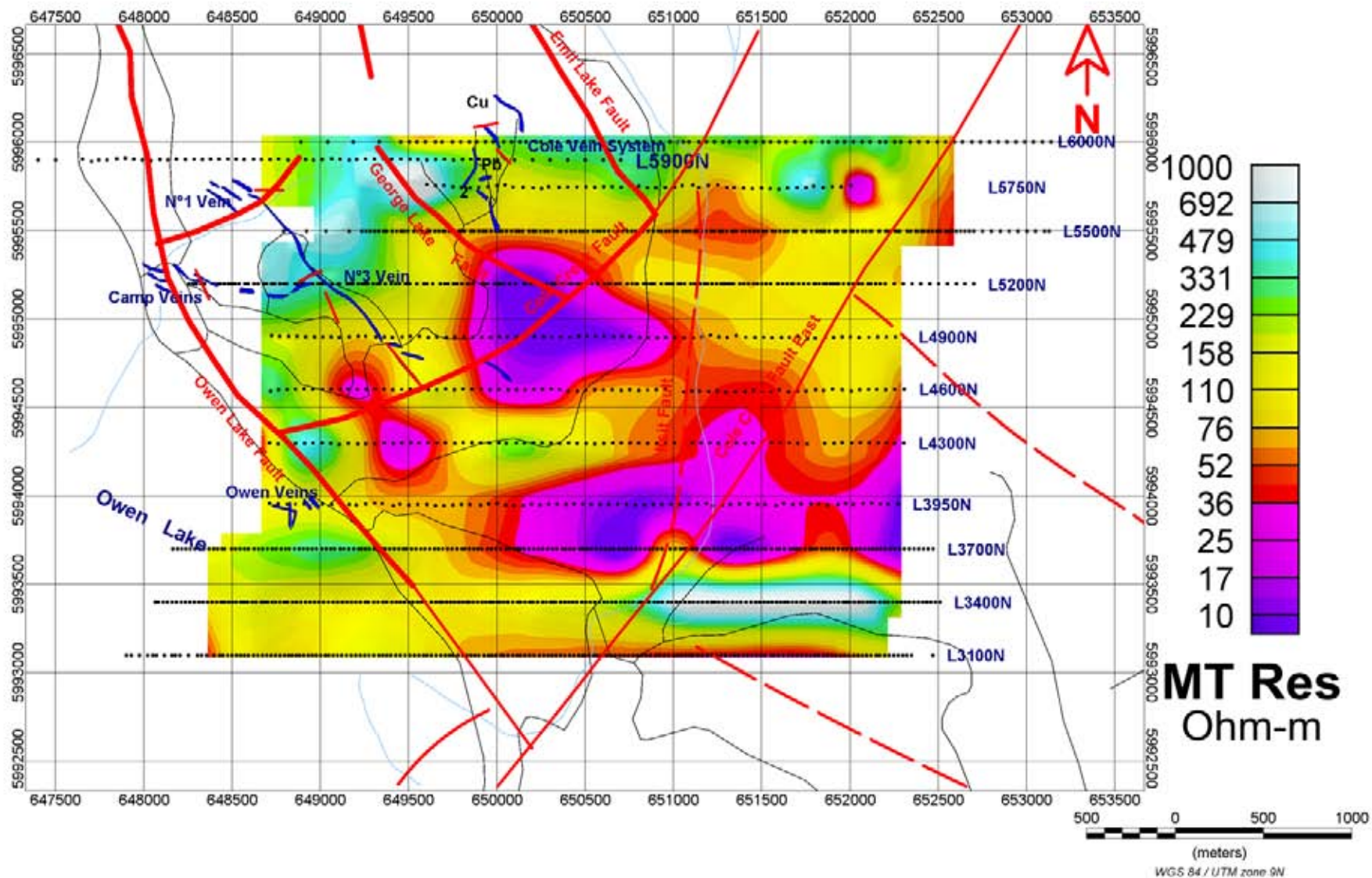




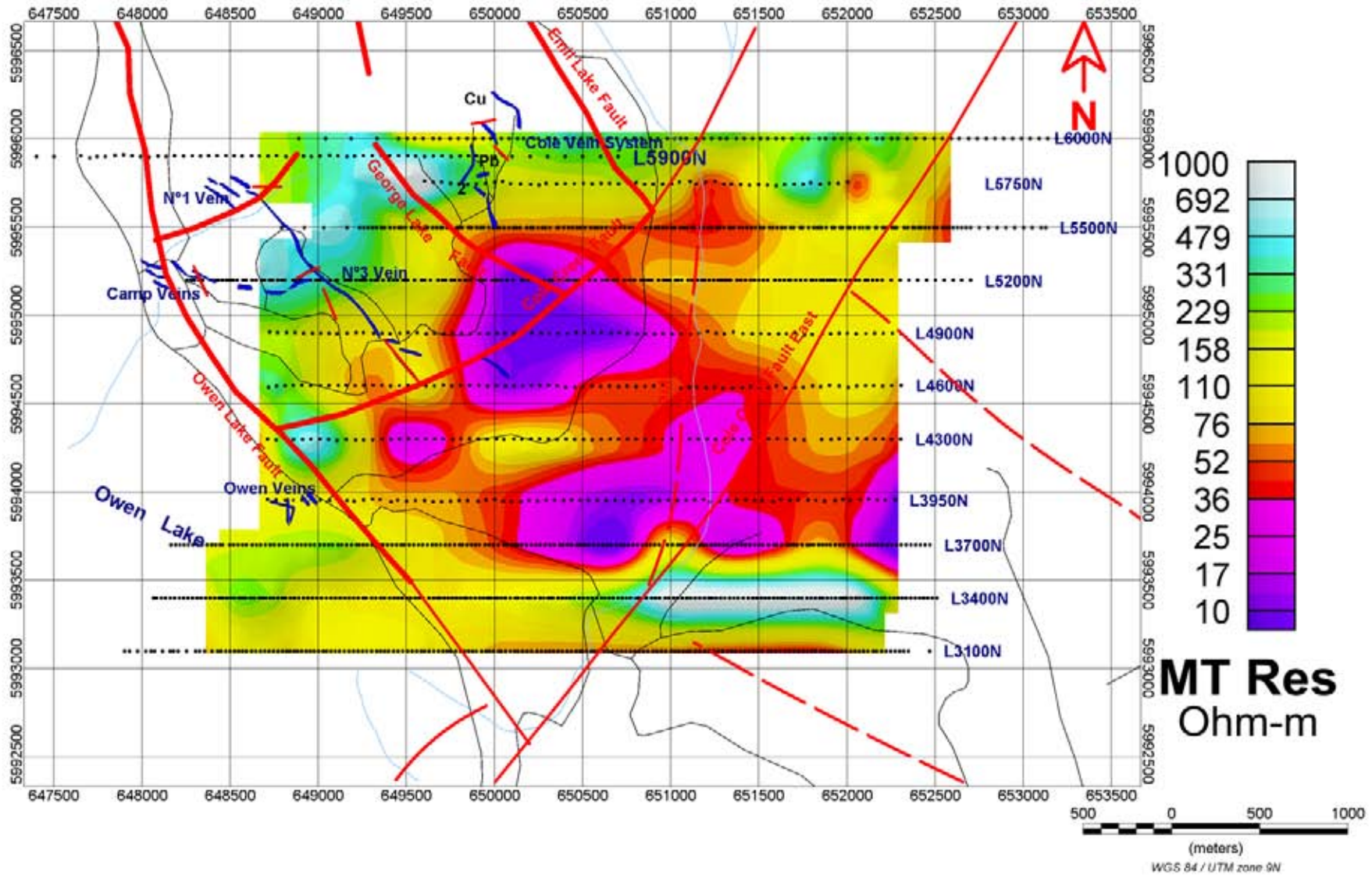


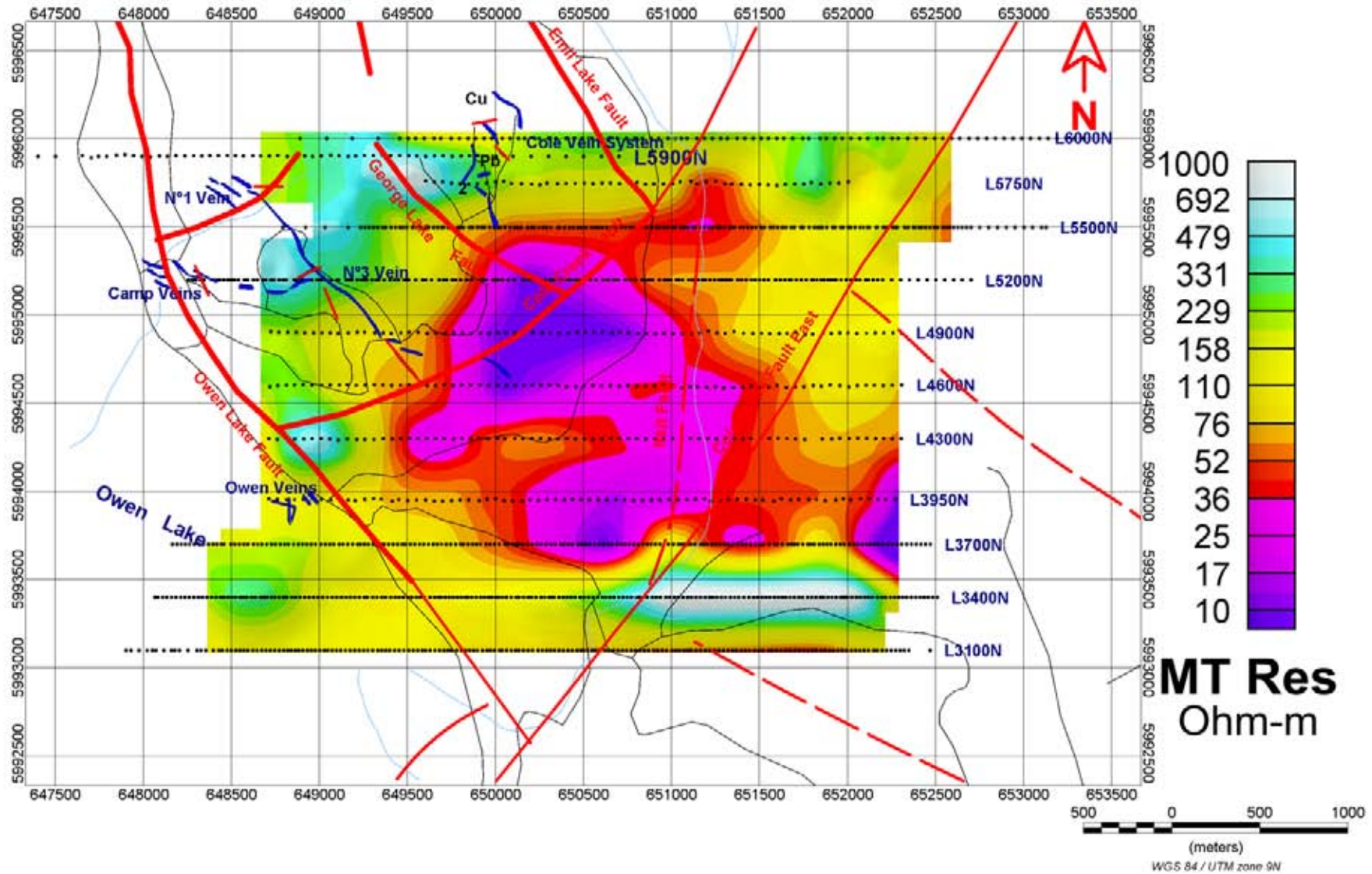




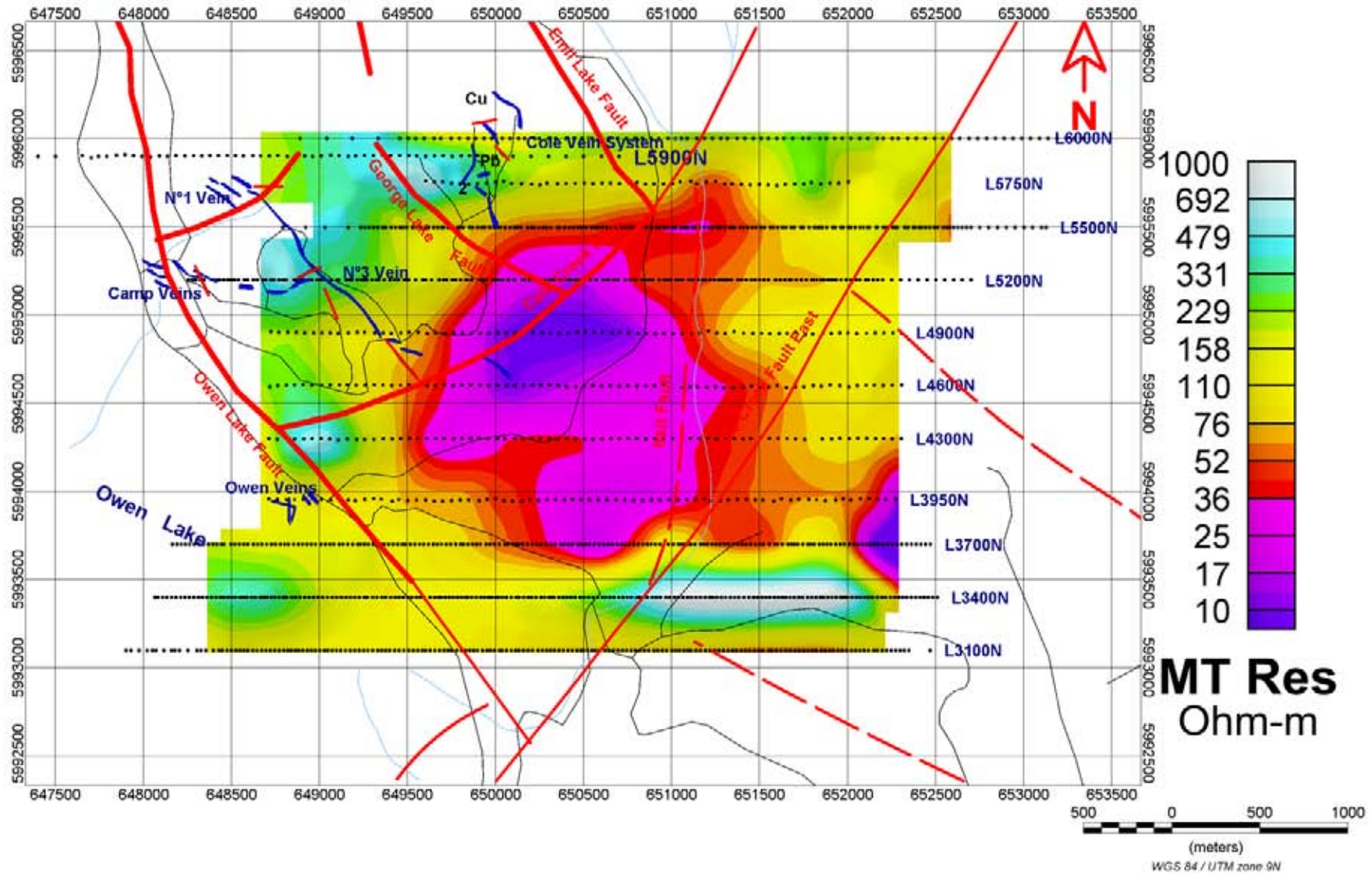


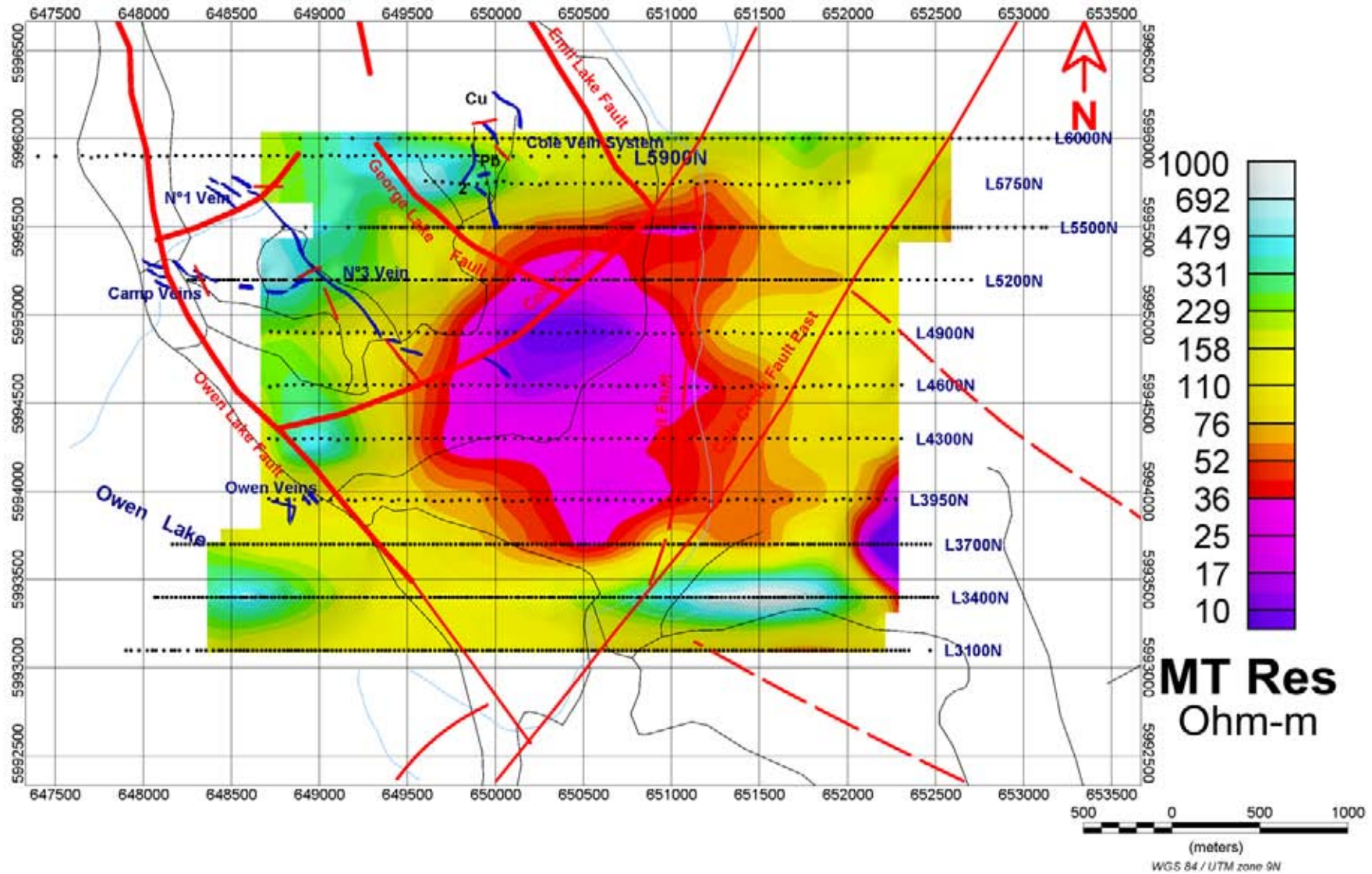




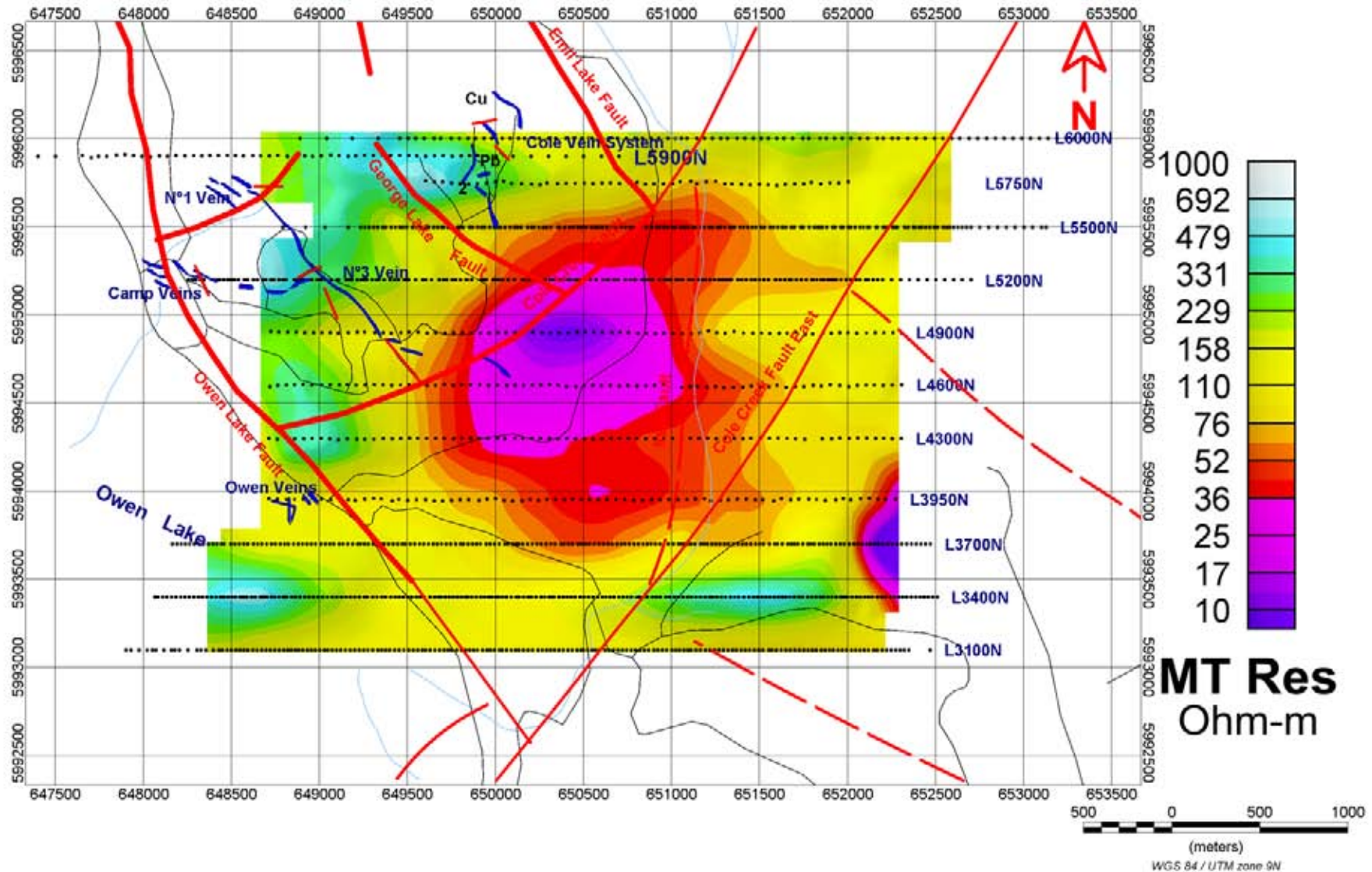






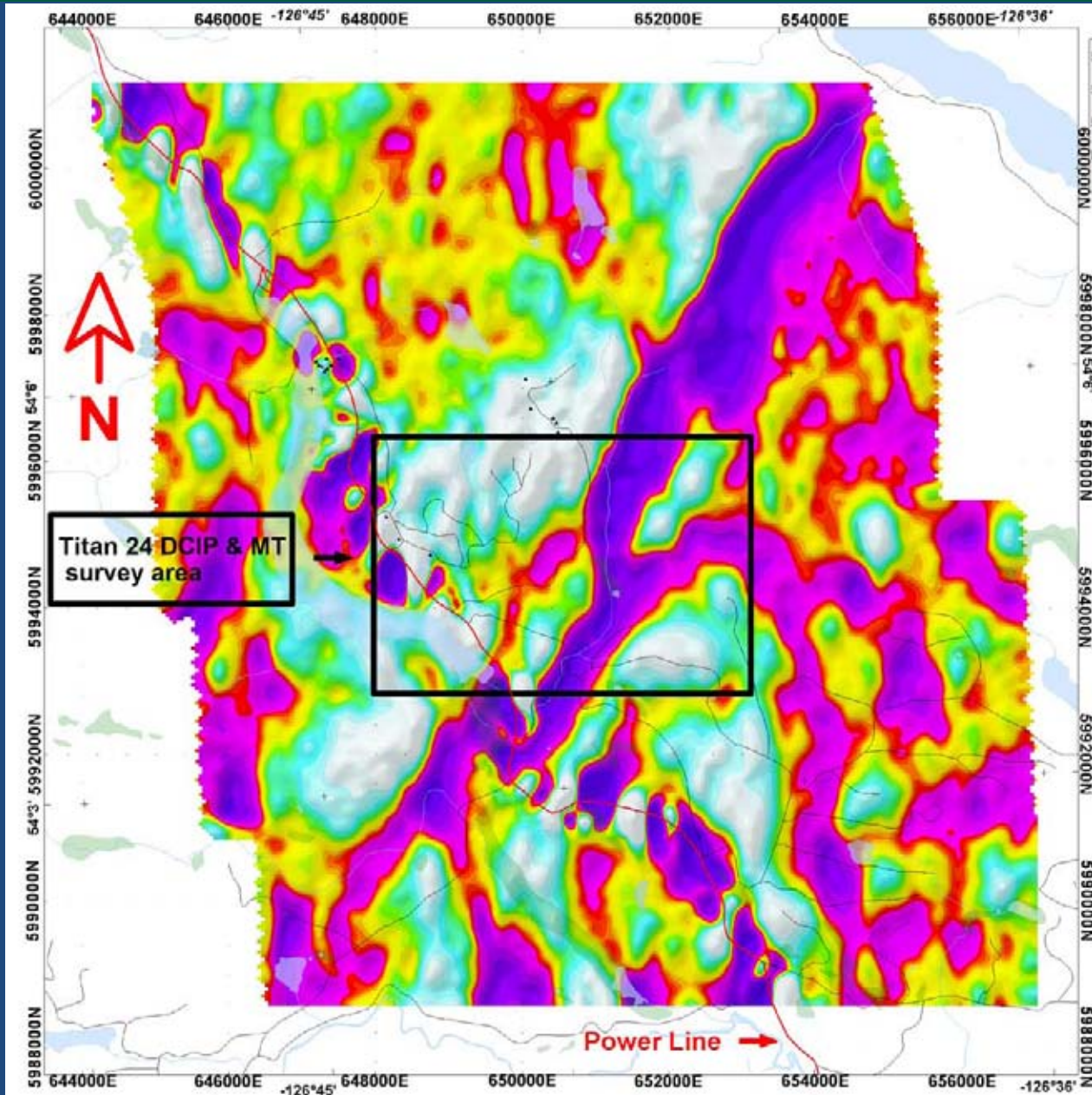


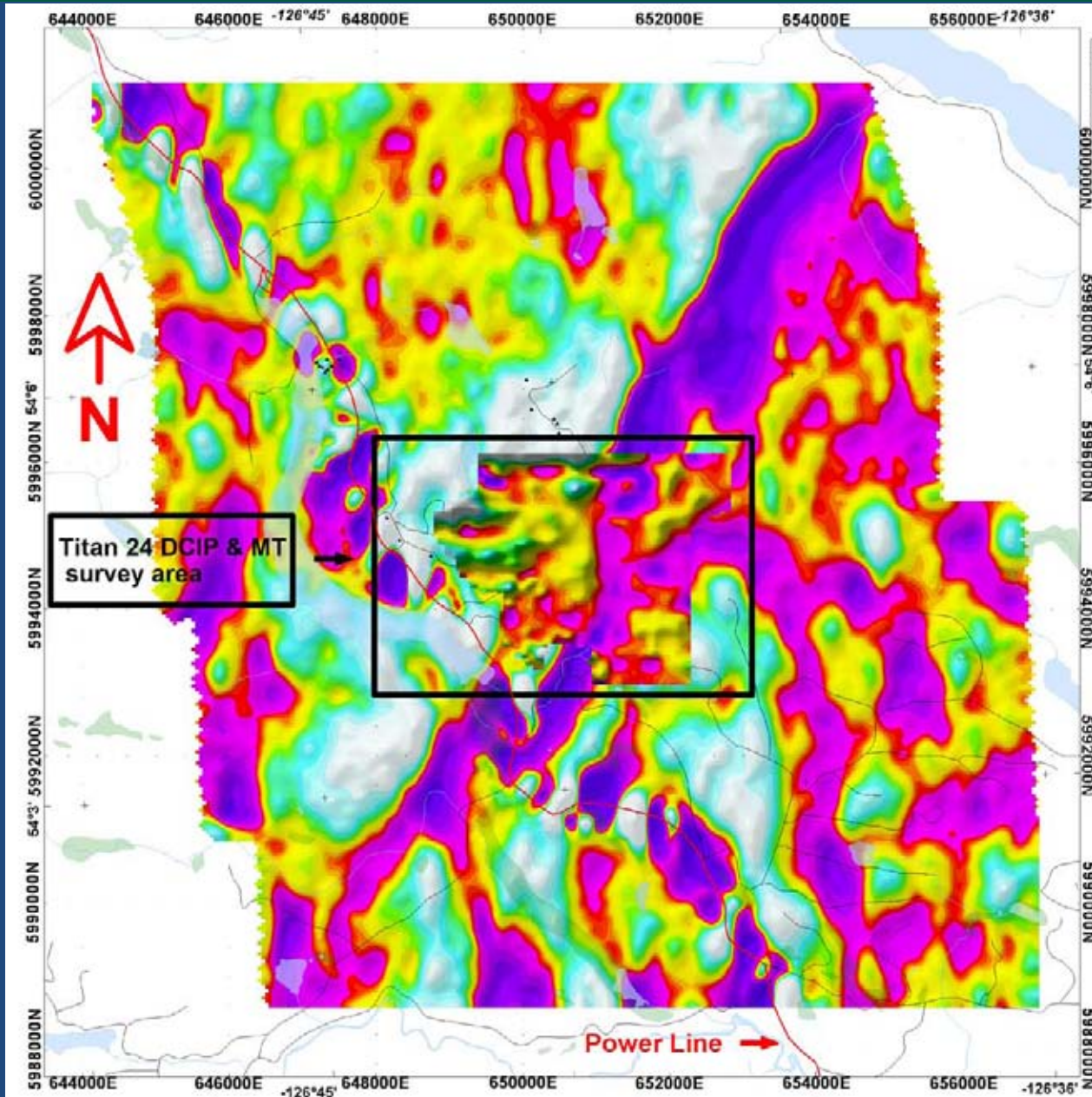




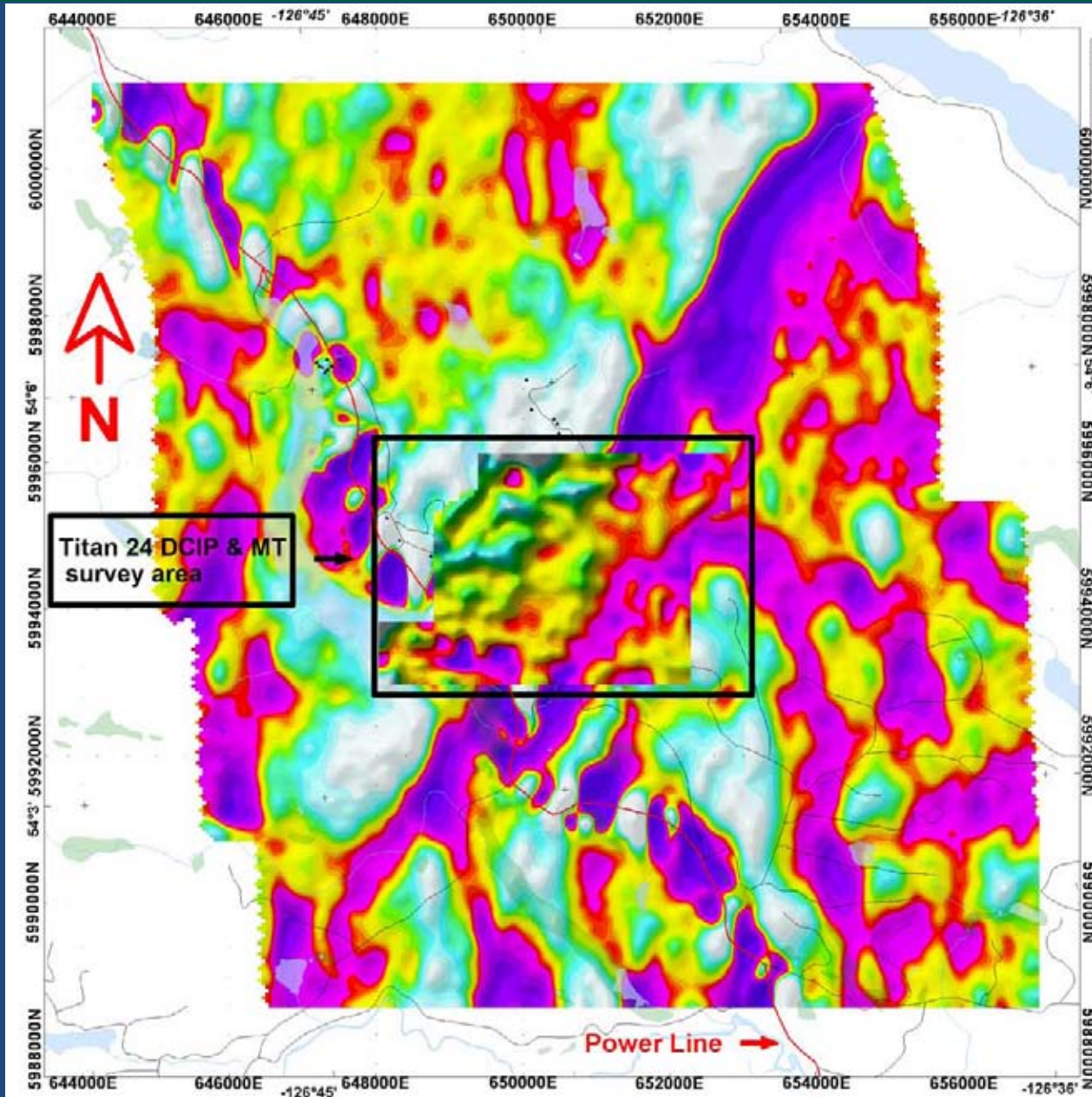
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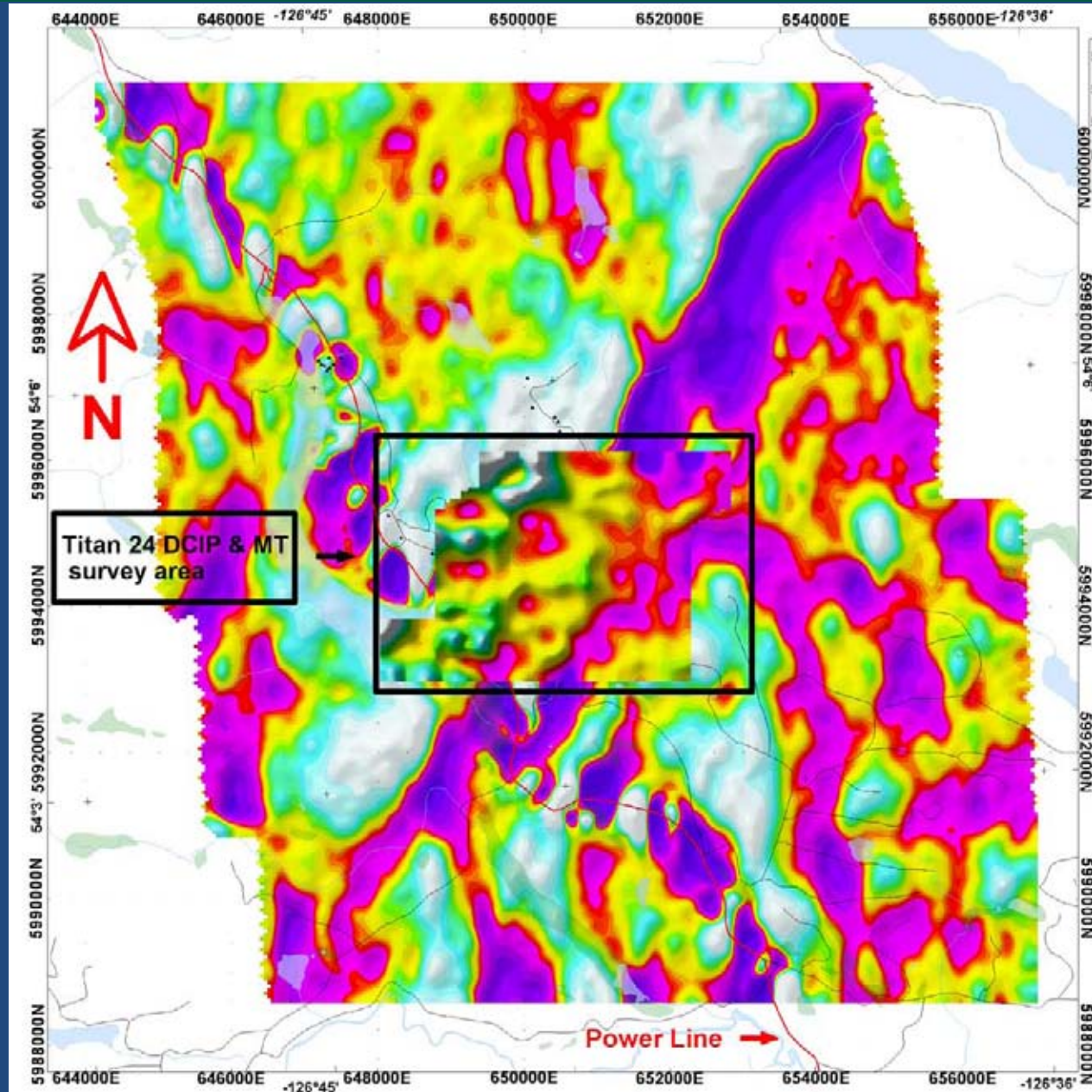




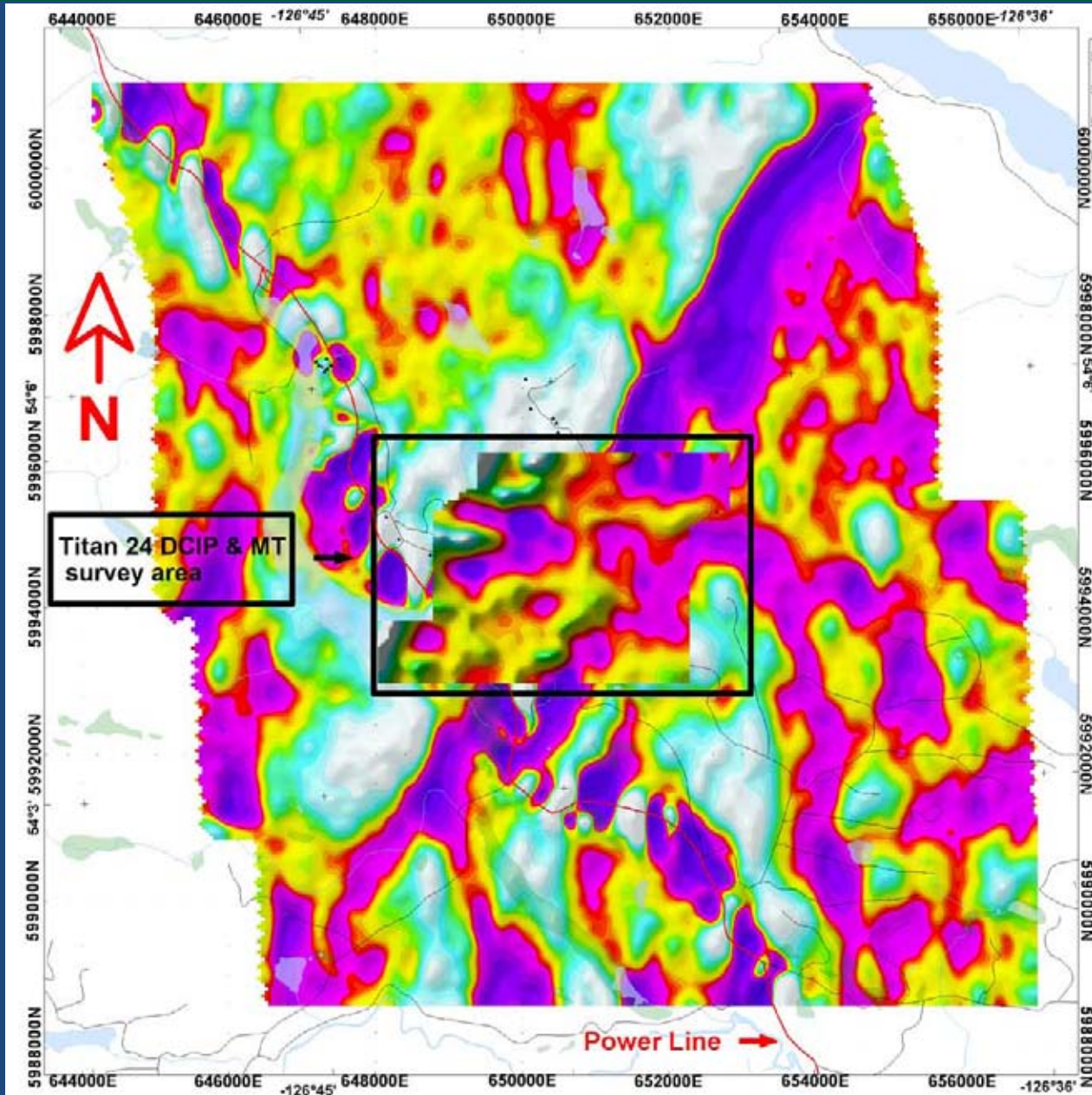


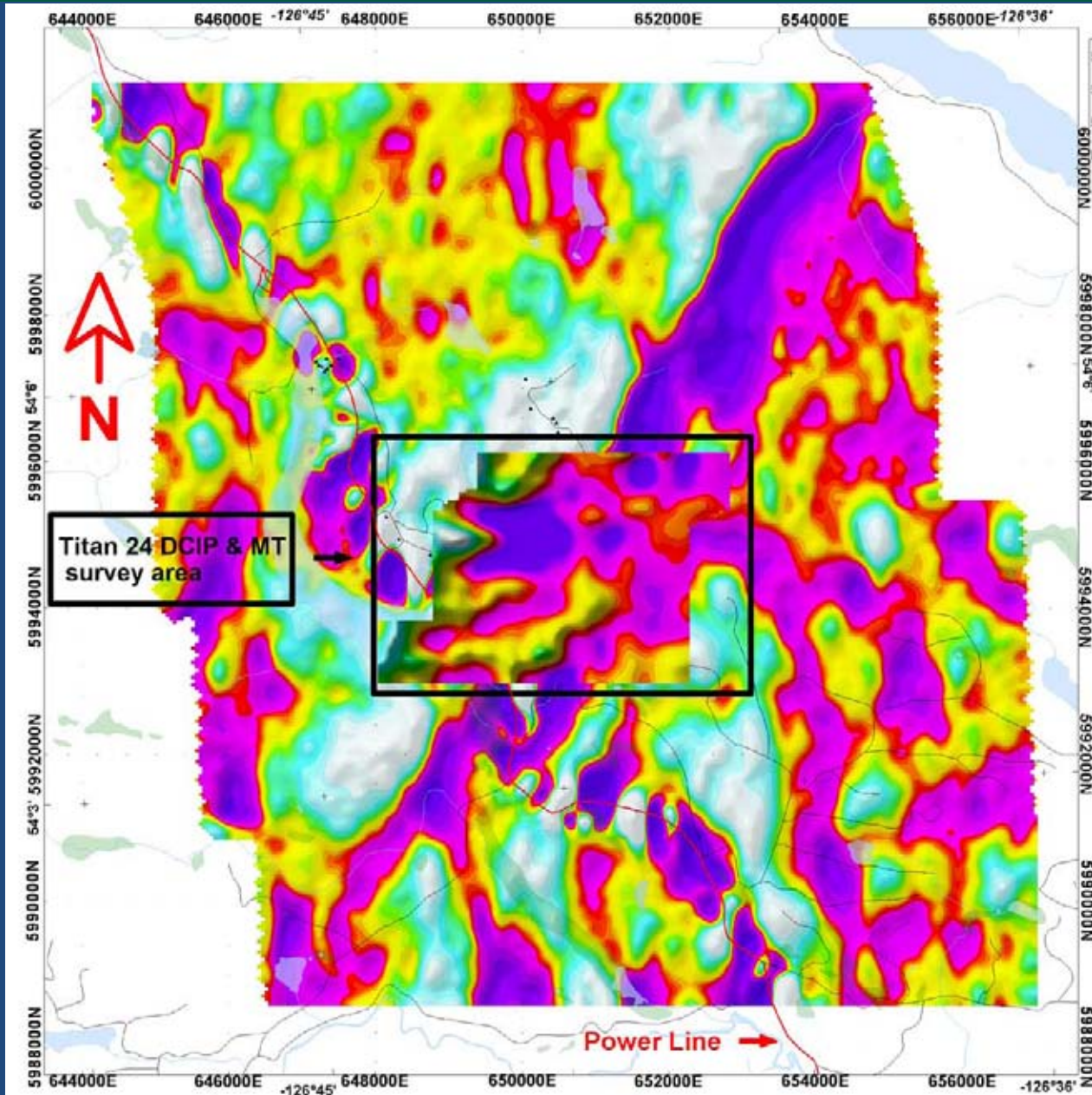




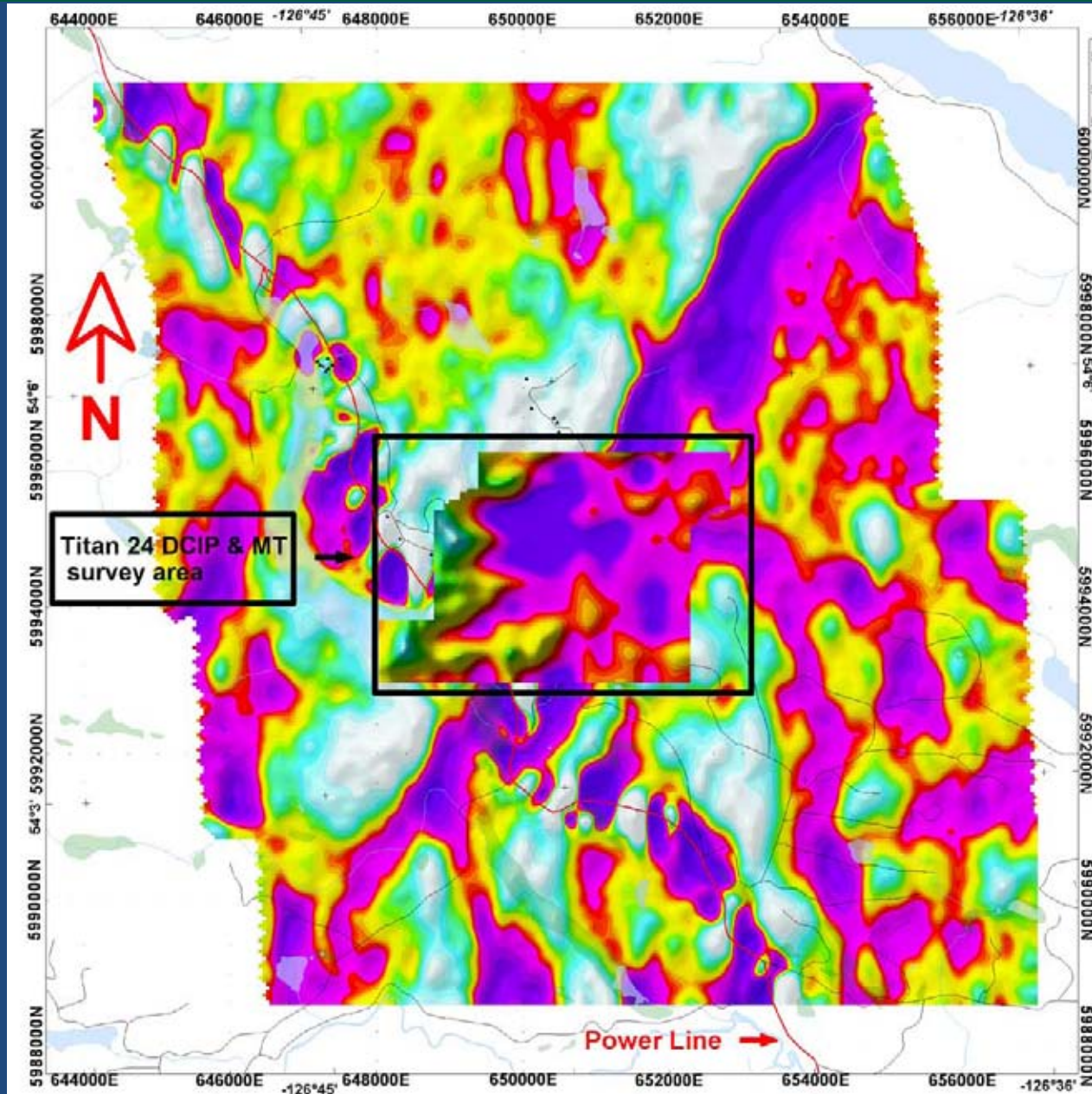


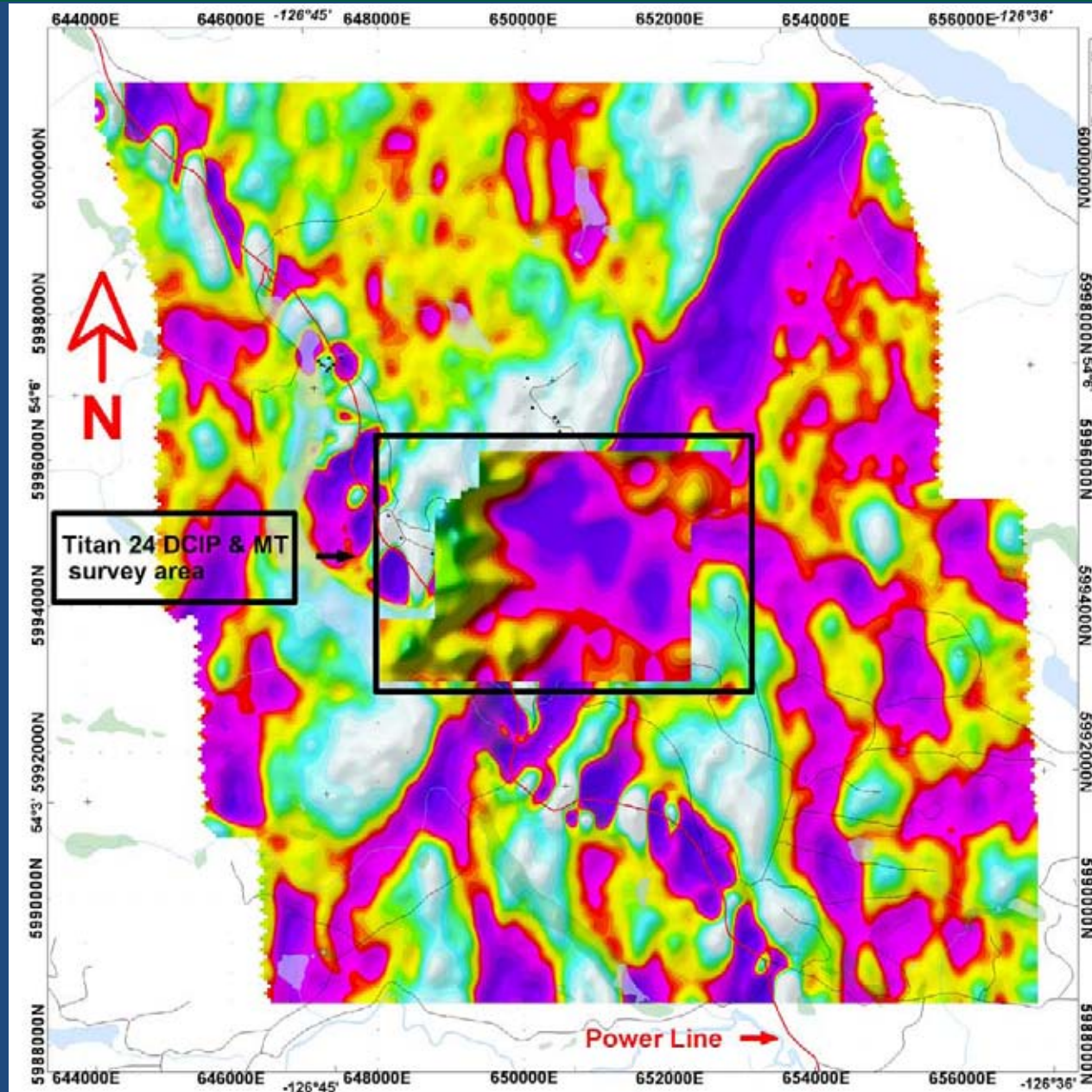




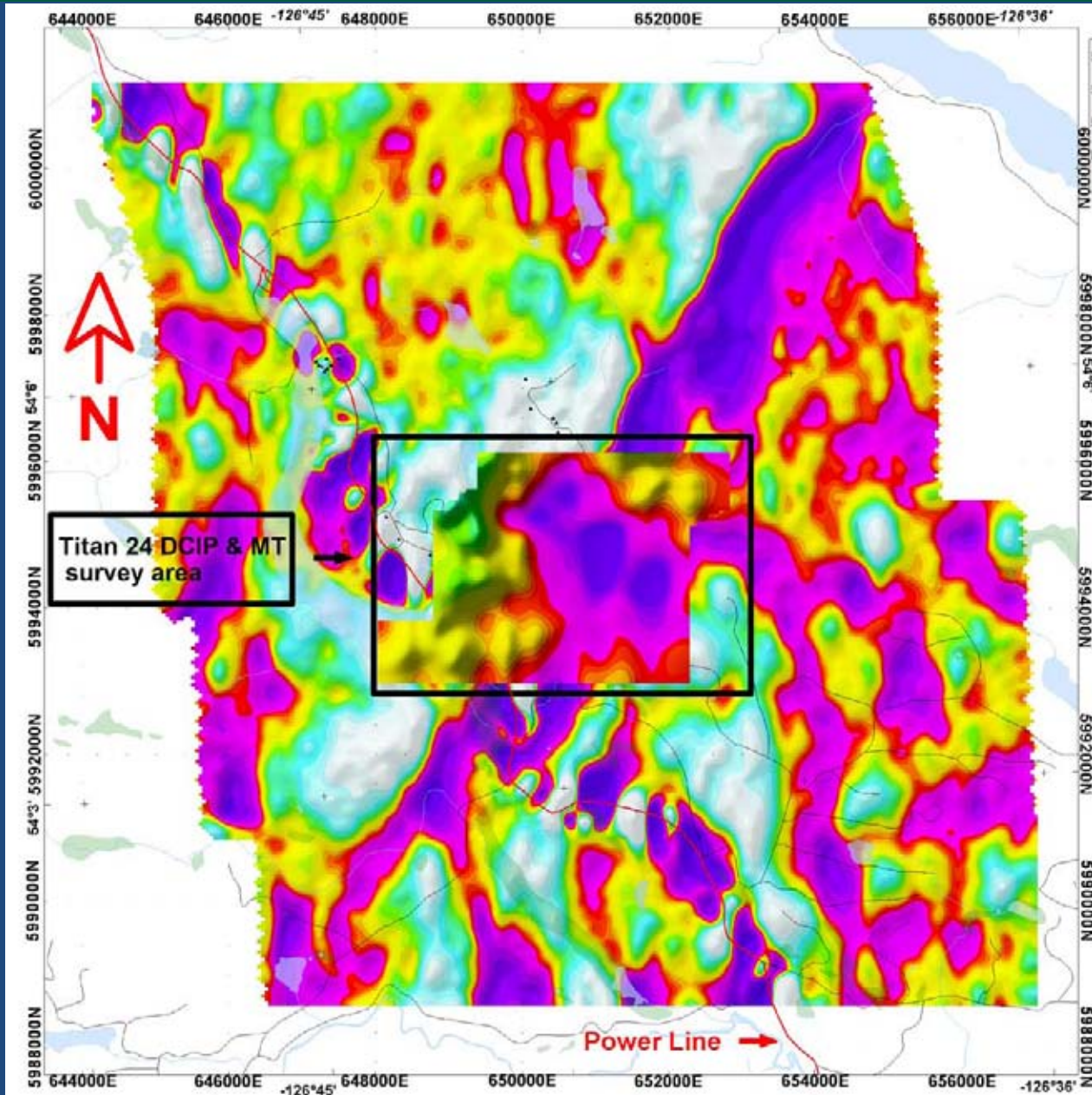


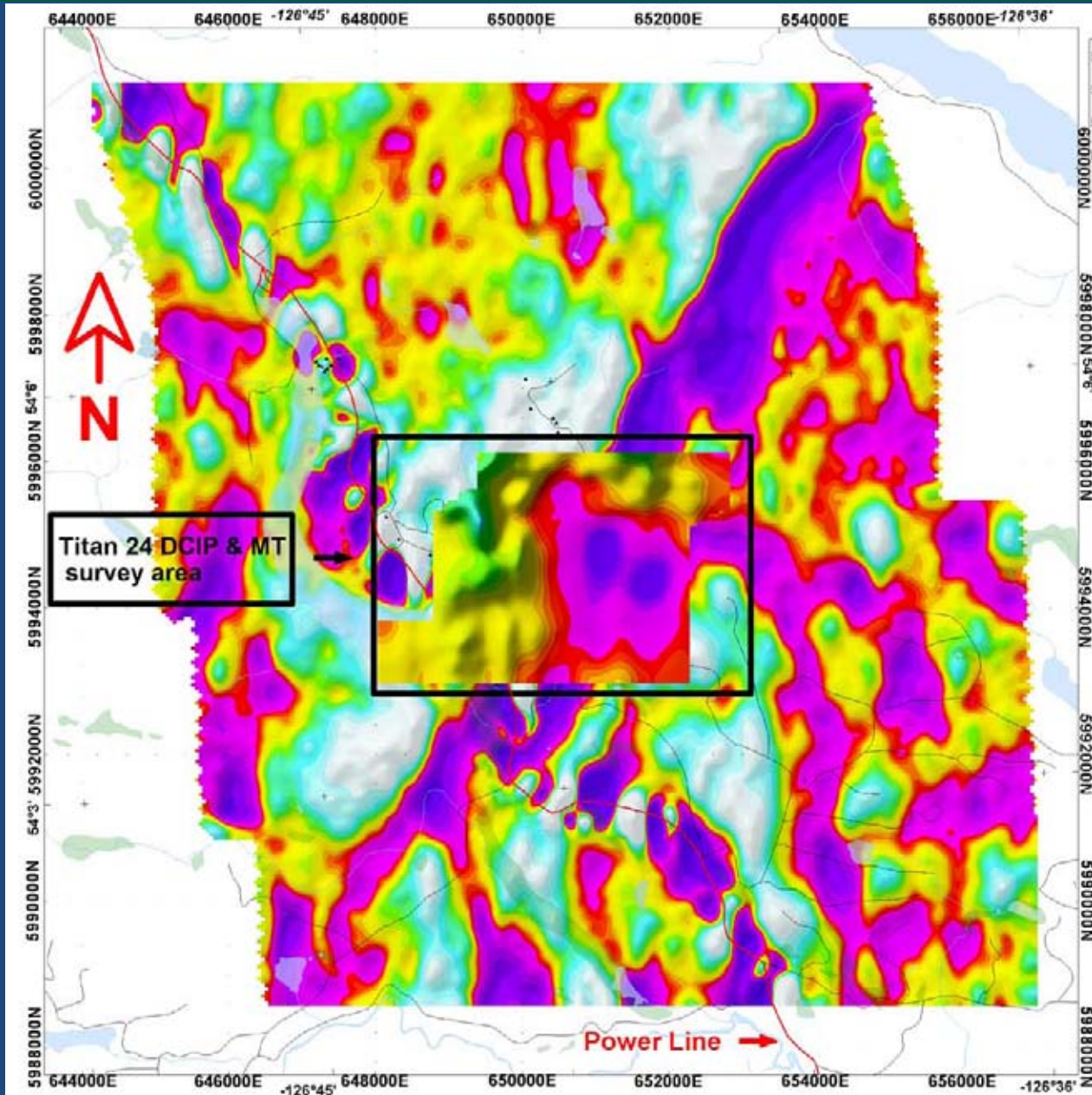




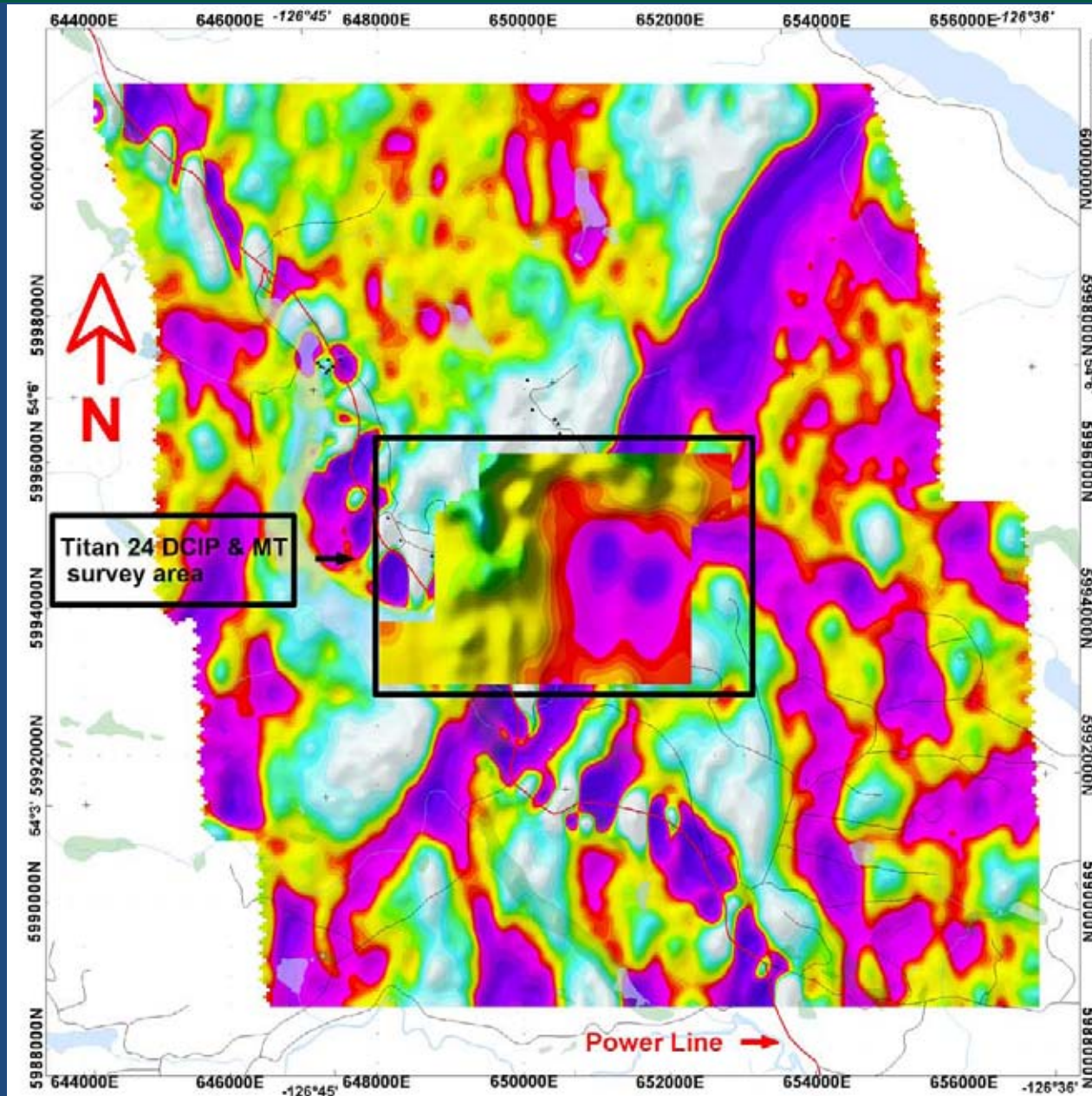






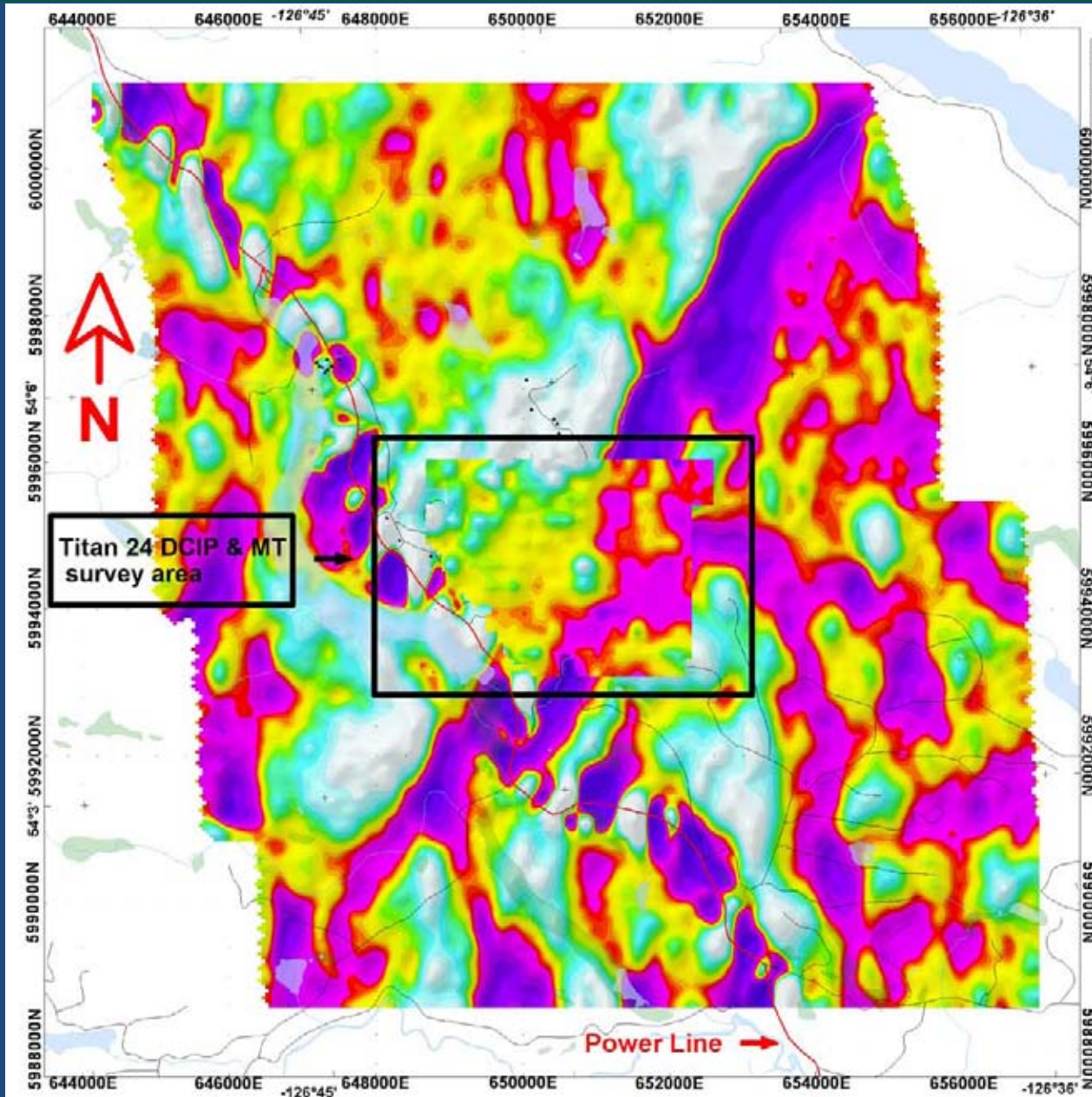


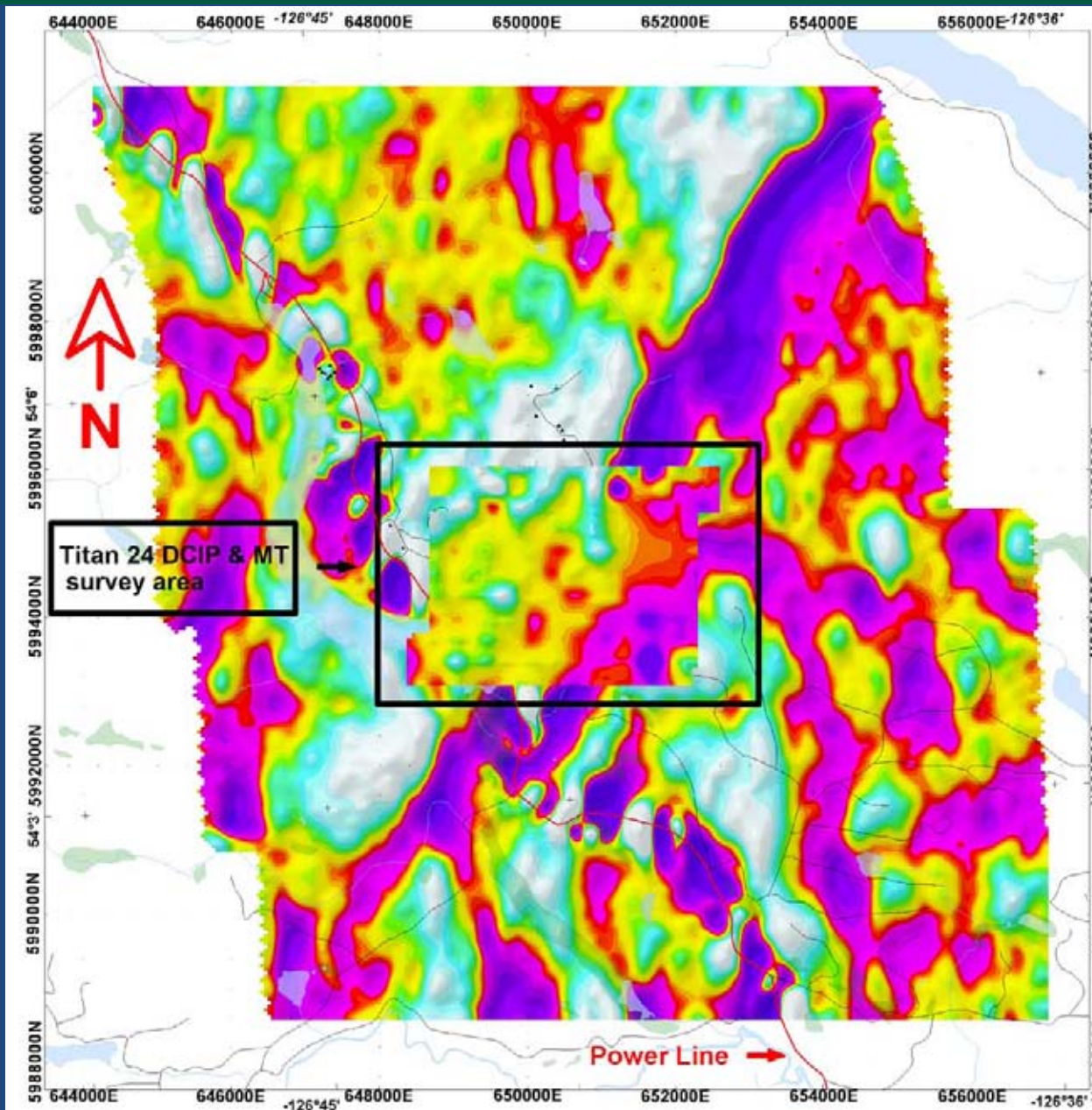




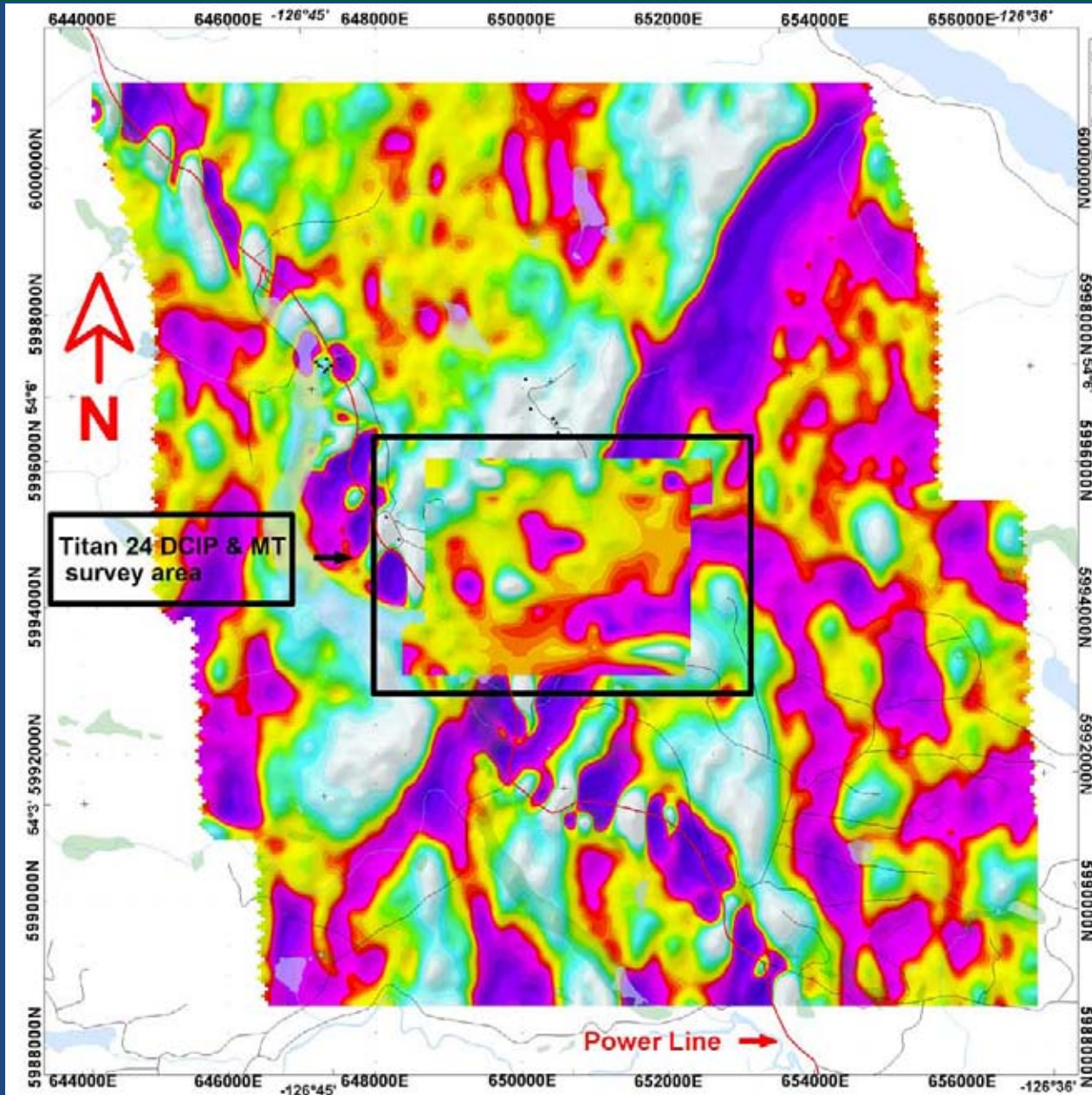
# ZTEM VS TITAN-MT

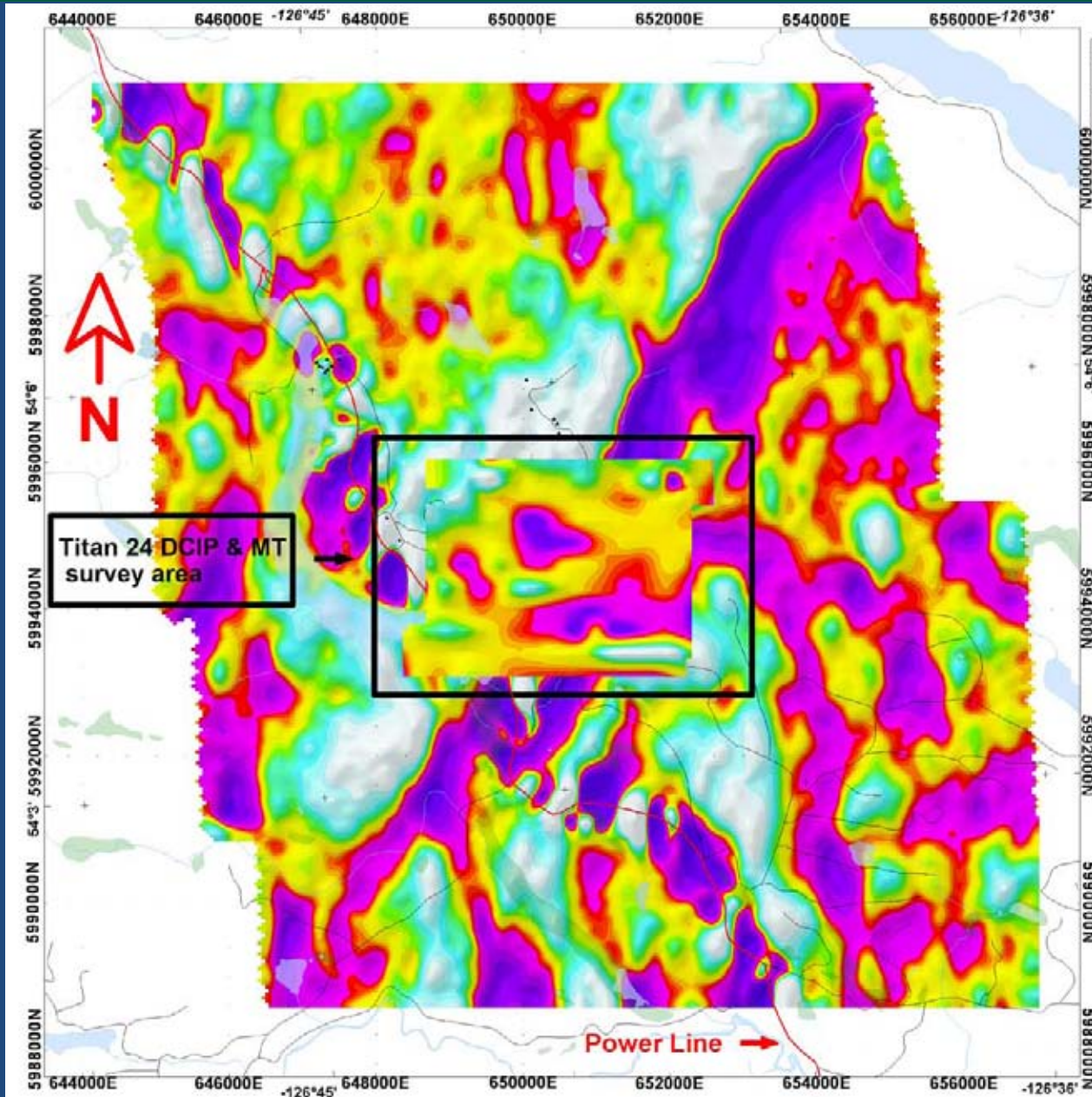




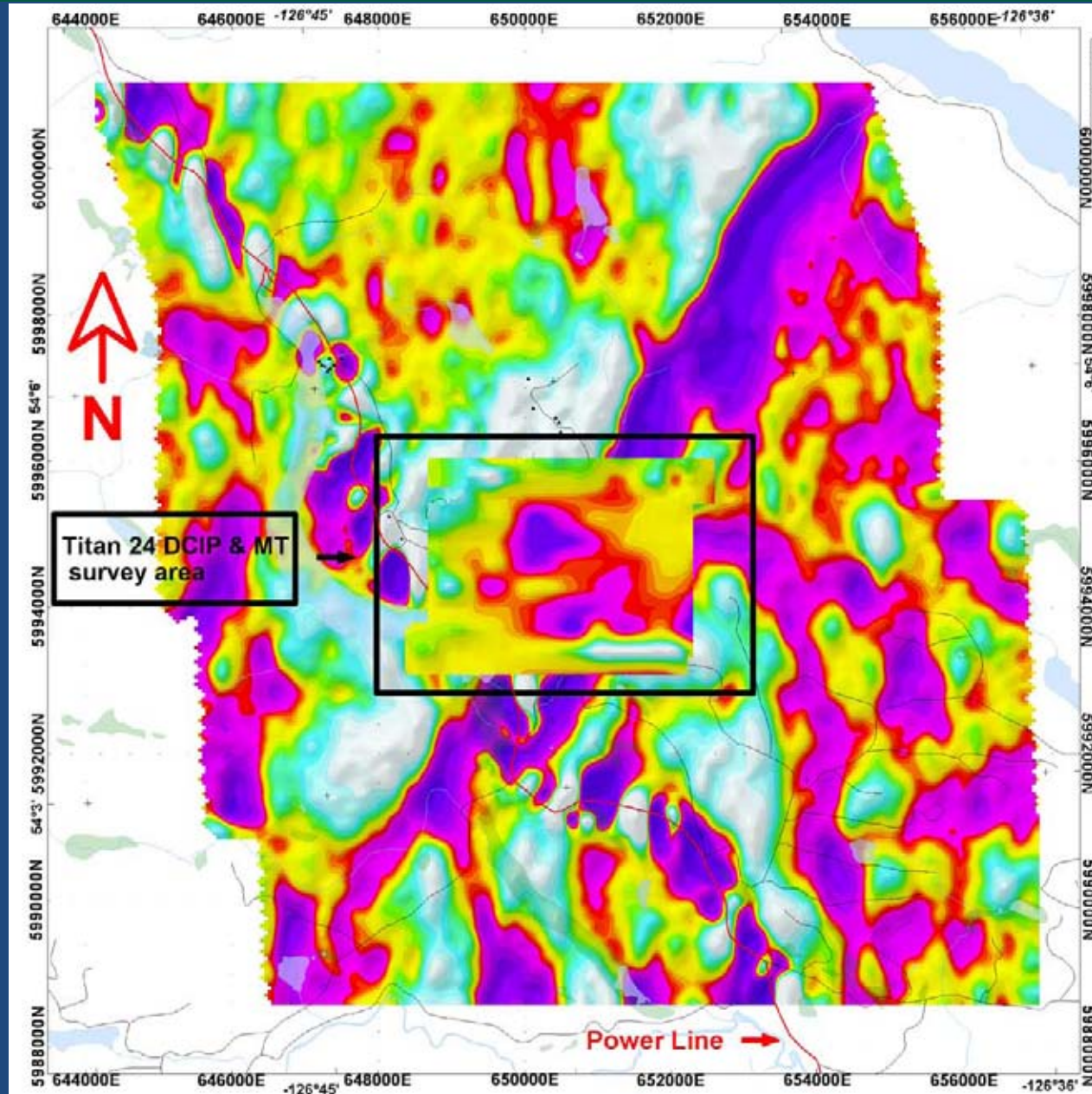


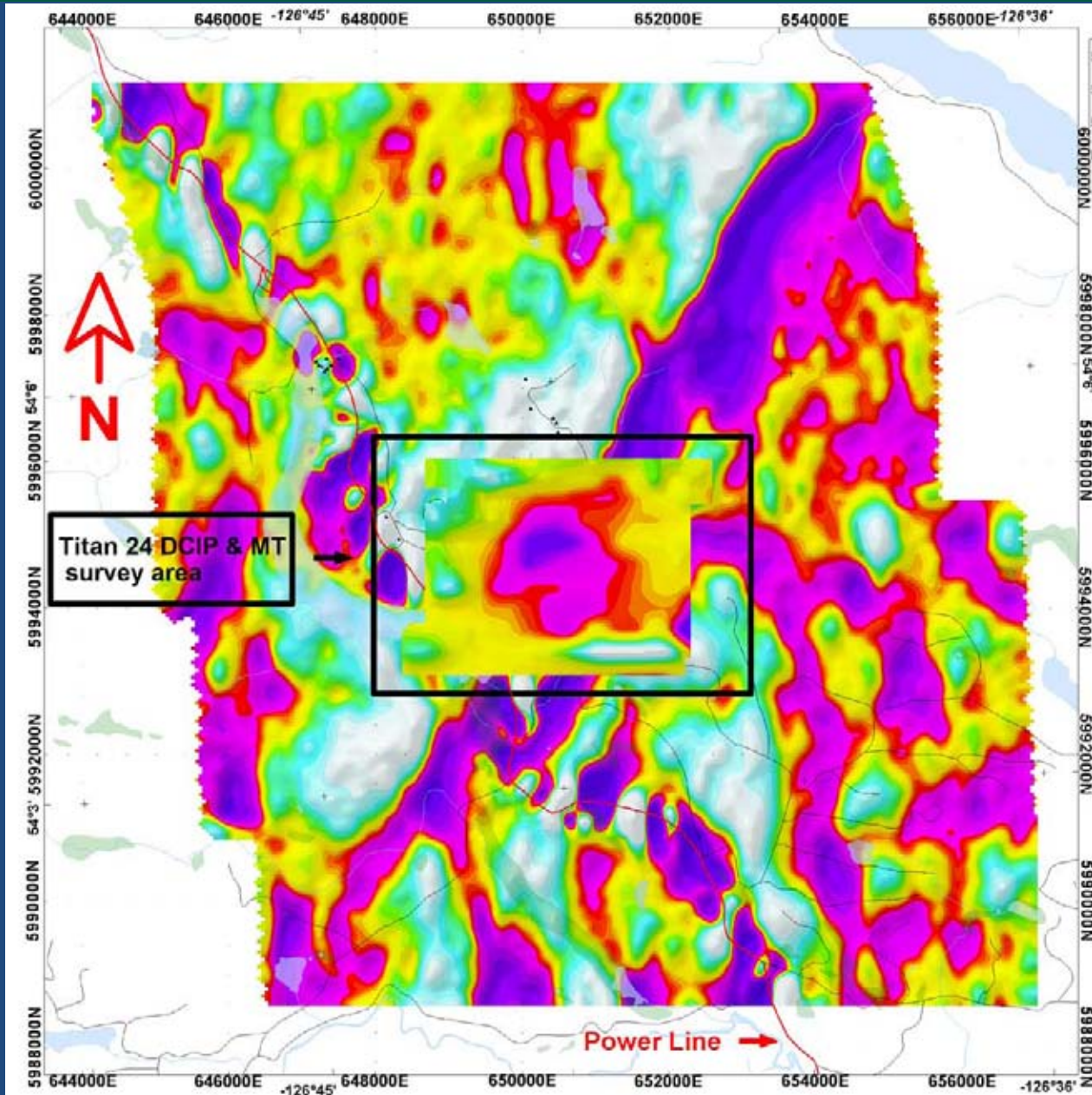




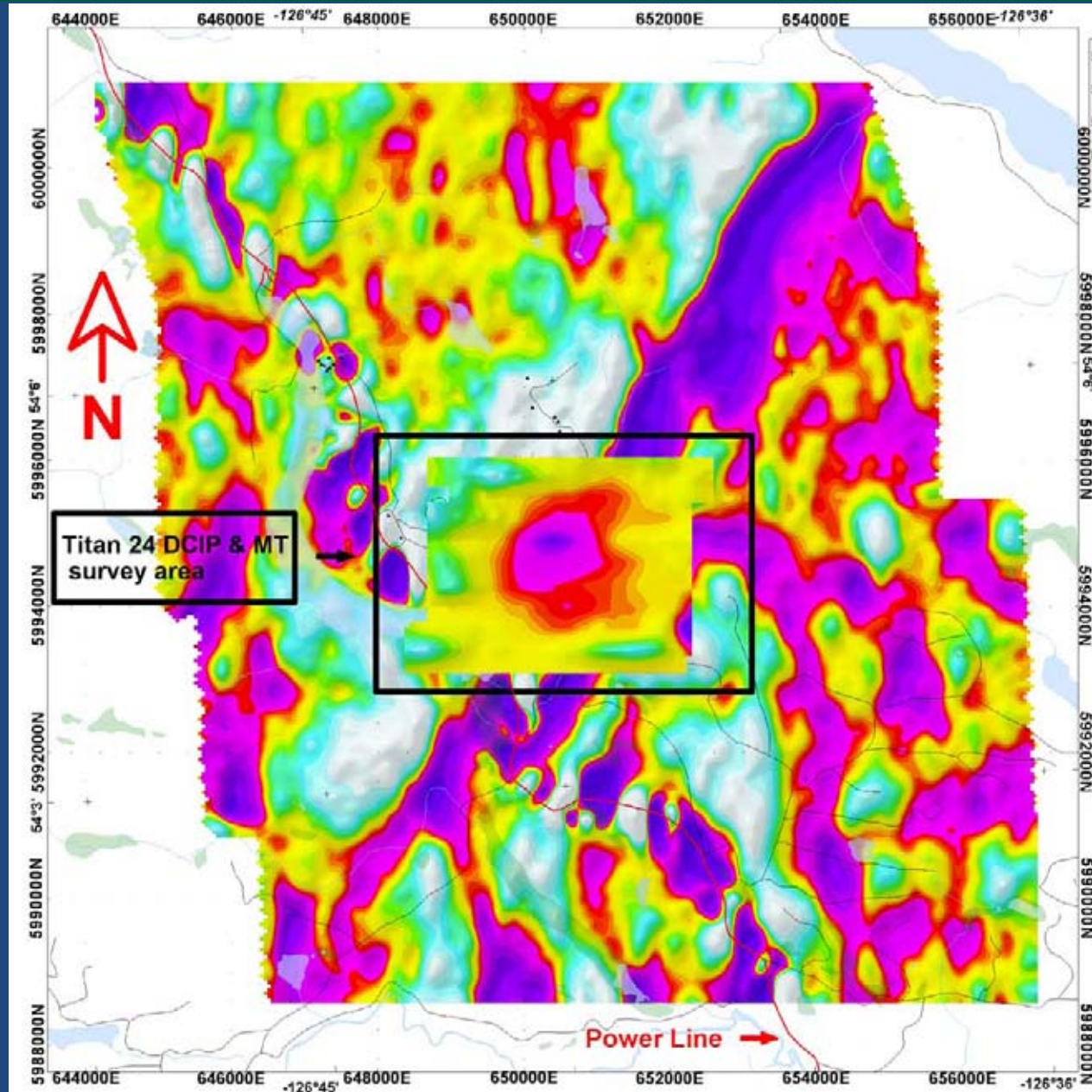






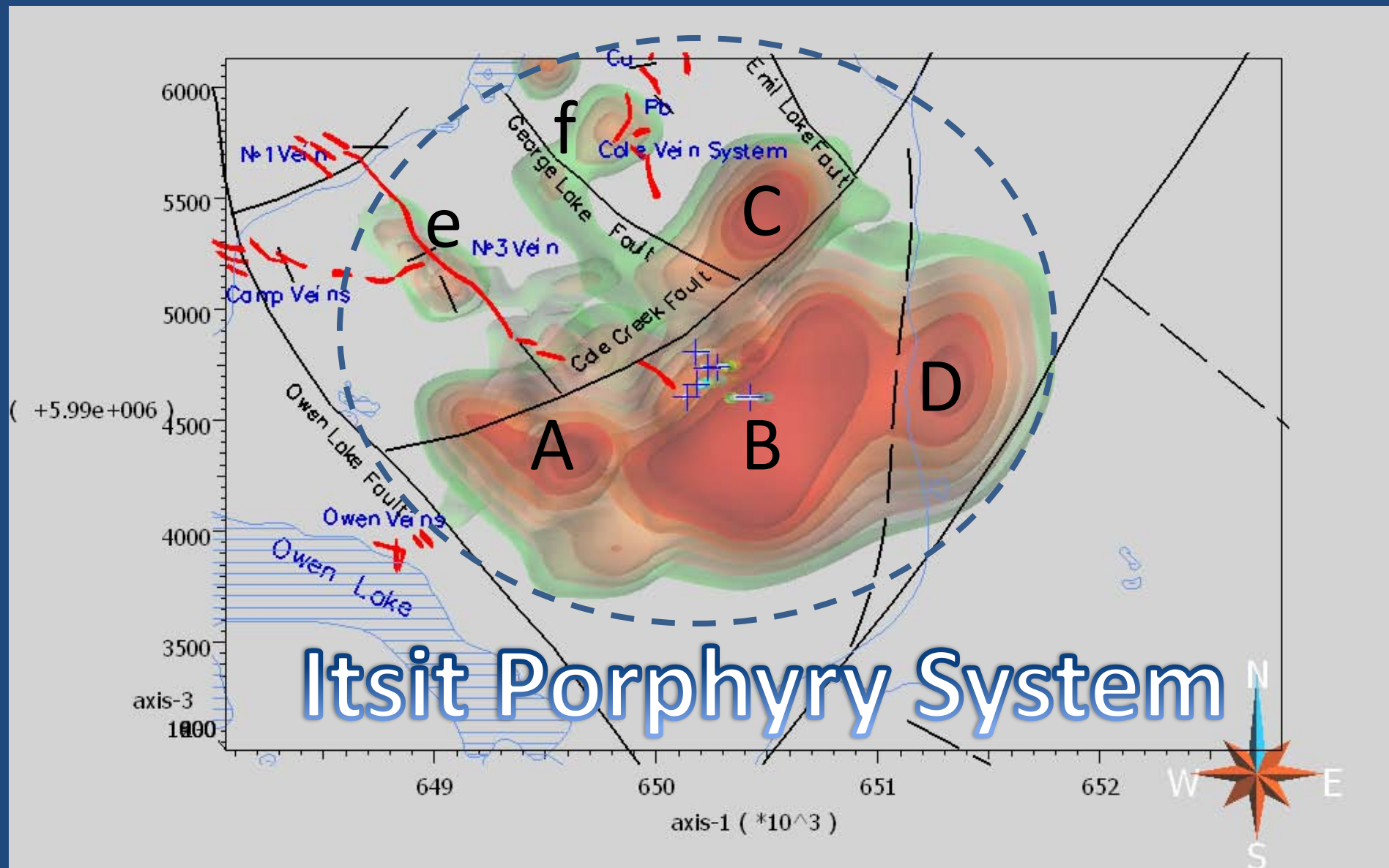


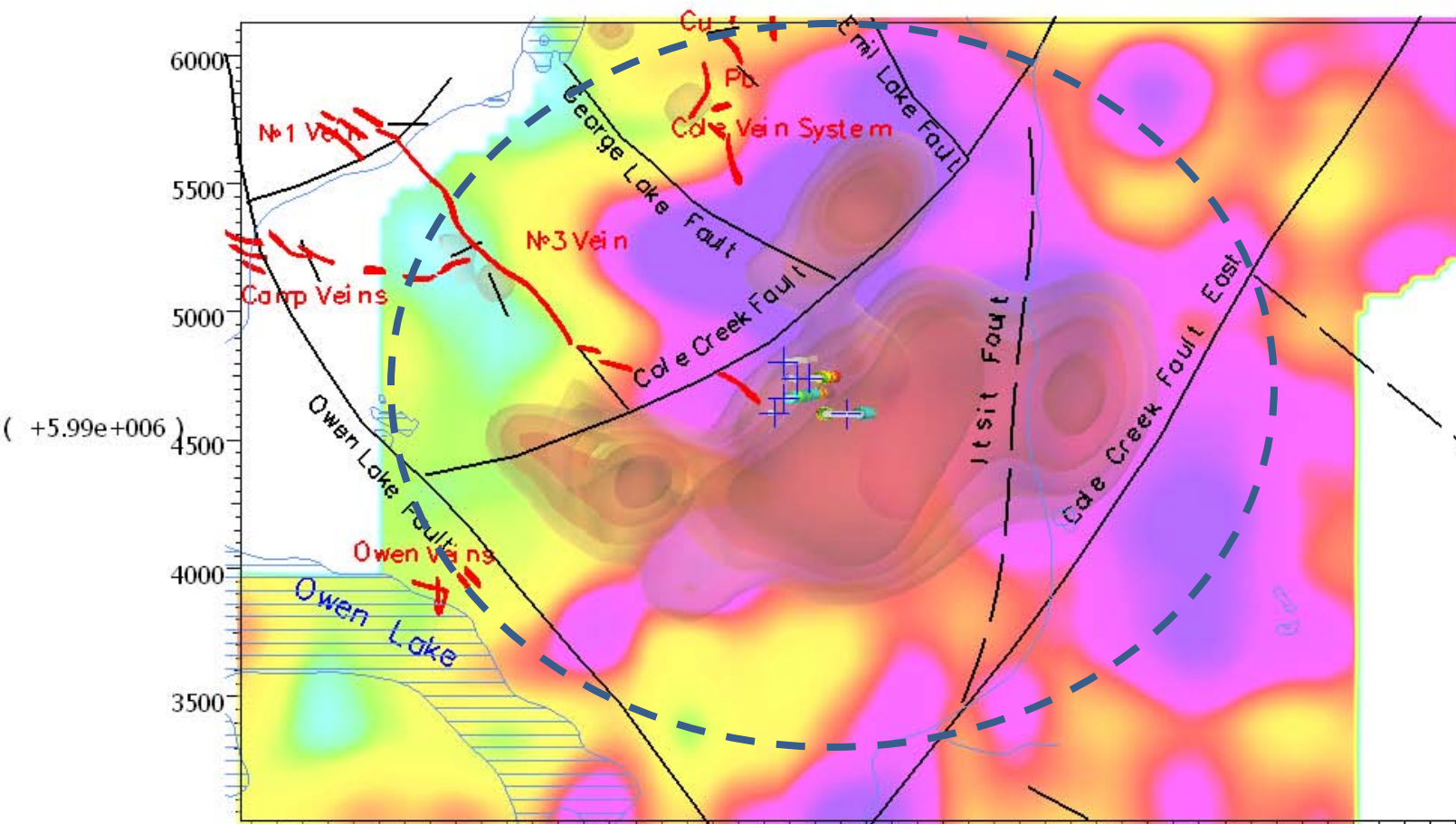




## 3D View of Results

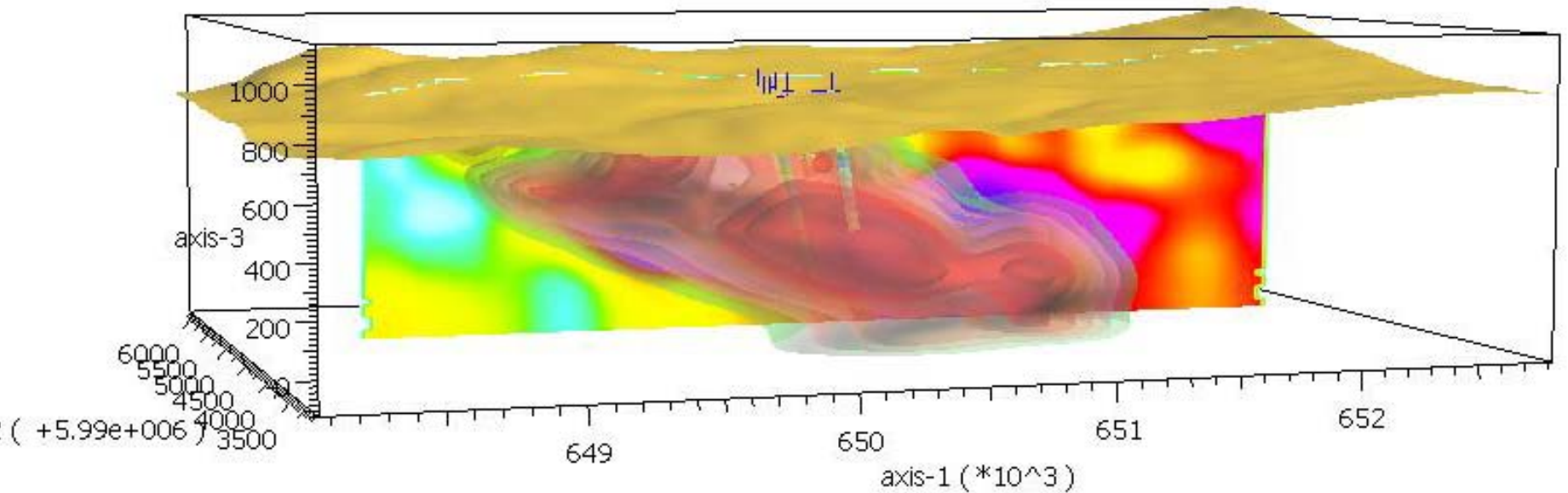




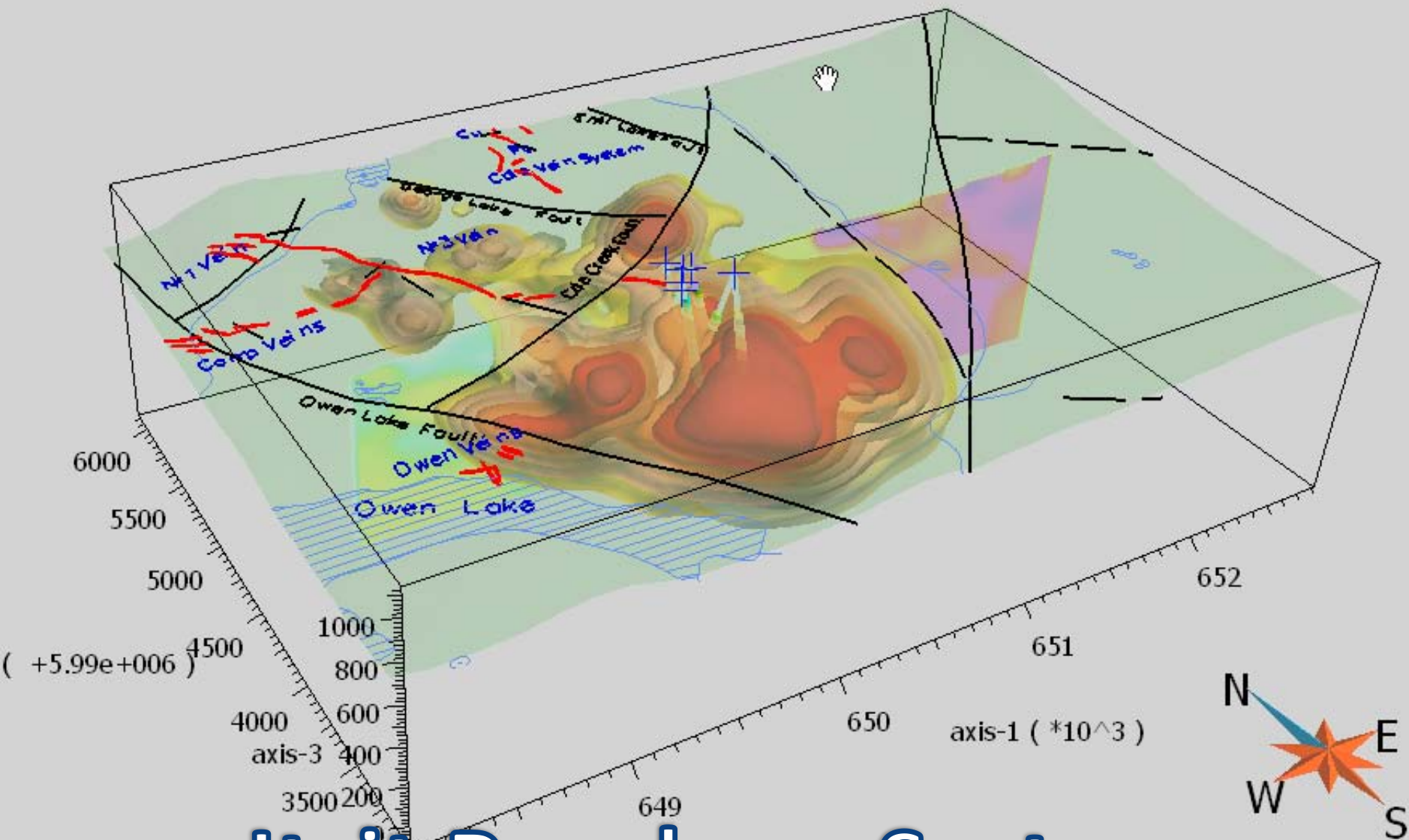


# Itsit Porphyry System



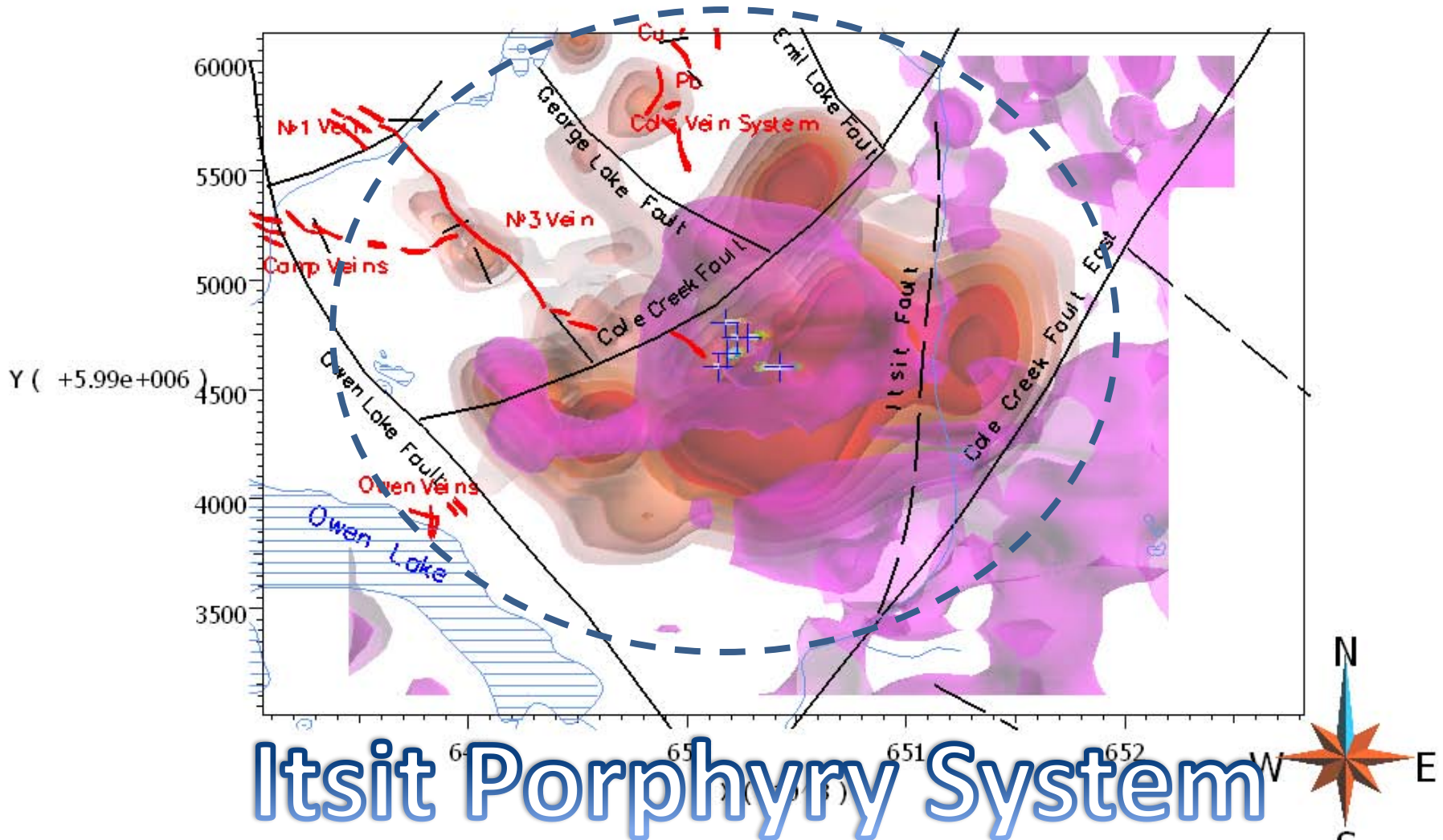


# Itsit Porphyry System



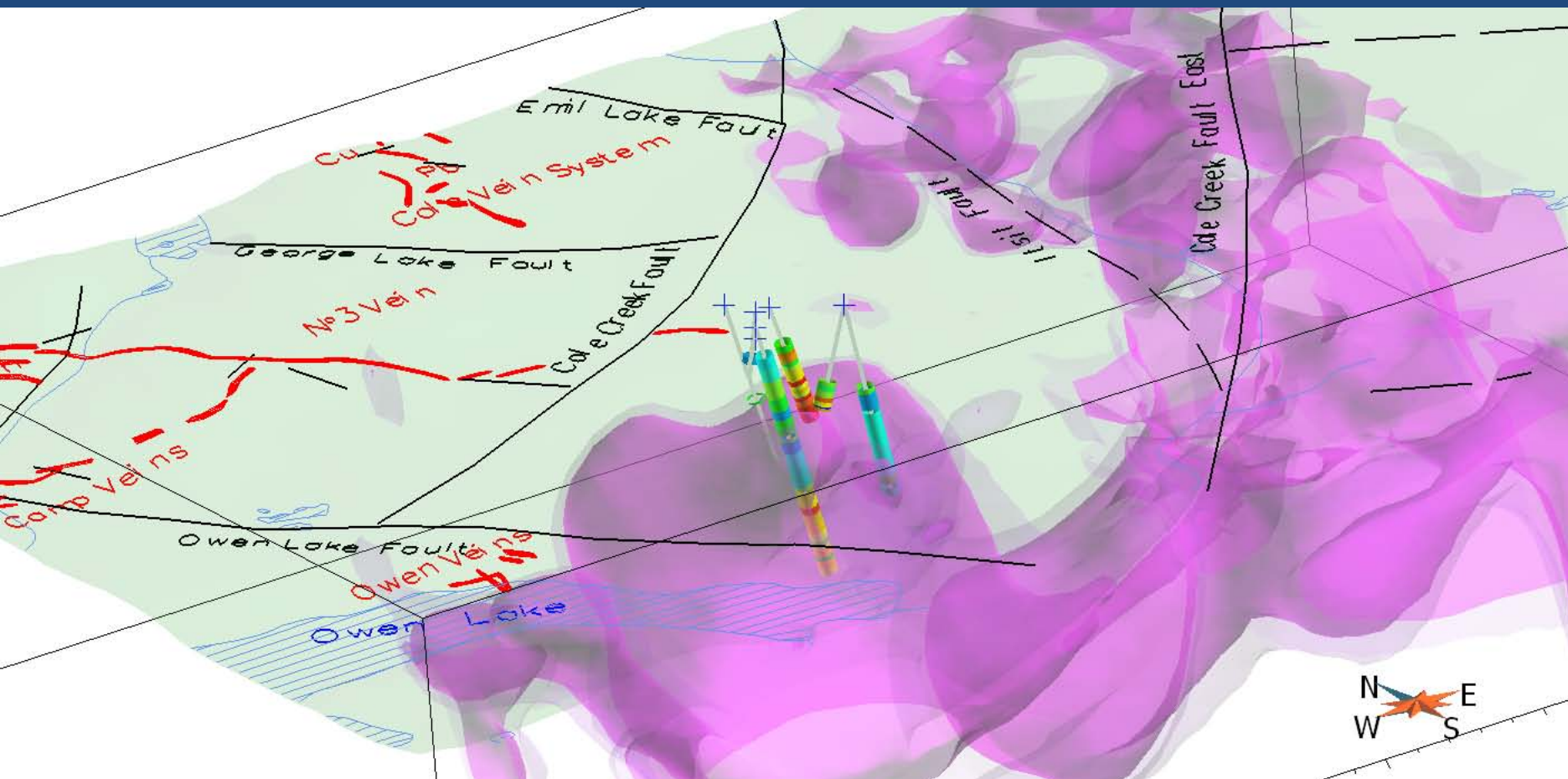
# Itsit Porphyry System











# Itsit Porphyry System

## Conclusions

➤ The Titan 24 DCIP and MT survey confirm the evidence of the possible existence of a Porphyry System with both vein and Stock-work styles of Mineralization.

➤ Several targets of chargeability high and resistivity low have been identified within the Silver Queen, two of which appear as deep-seated ( Main Target B and new target D). The 3D inversion results suggest that Mineralization is open to depth  $> 1$  km.



## Recommendations

- Drill testing the IP targets.
- Follow-up with Borehole Geophysics ( TEM, DCIP, etc)
- Follow-up with ground gravity and detailed magnetics surveys