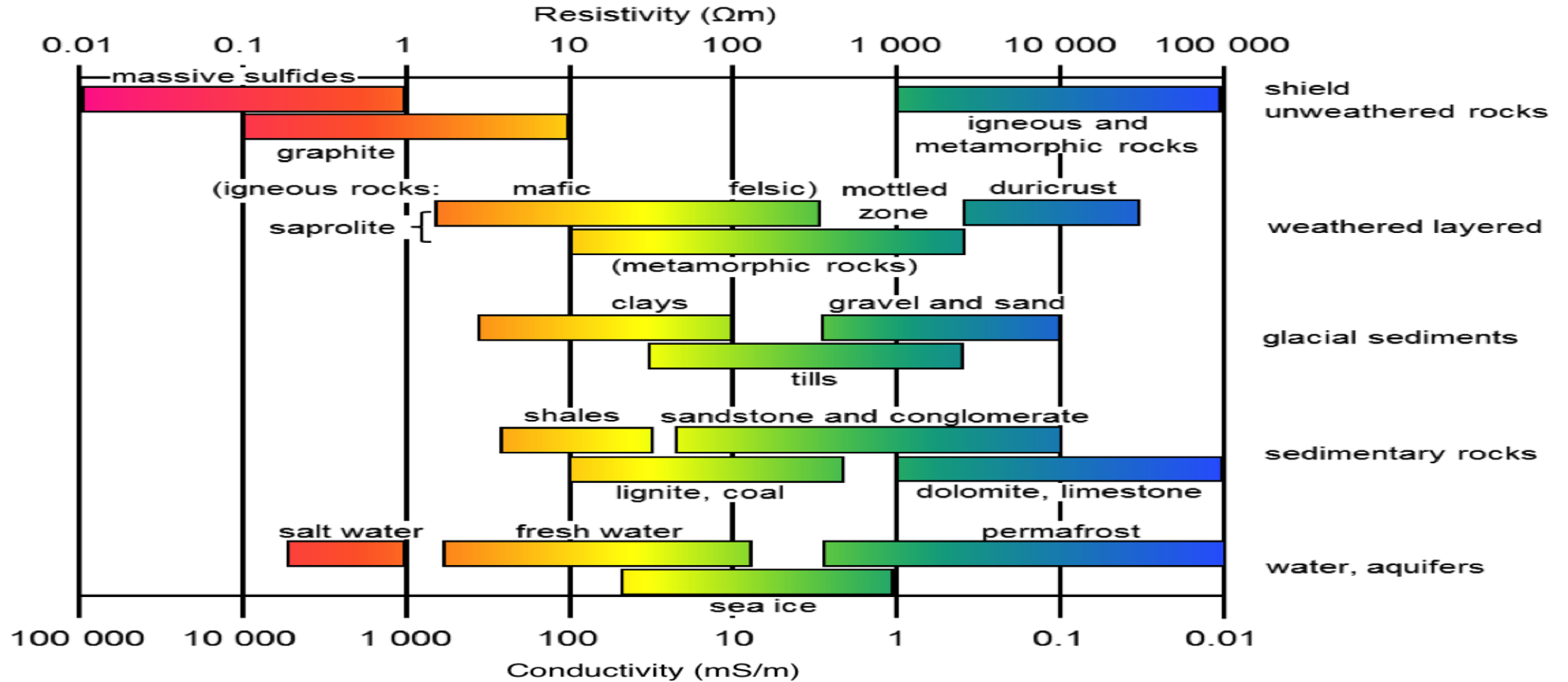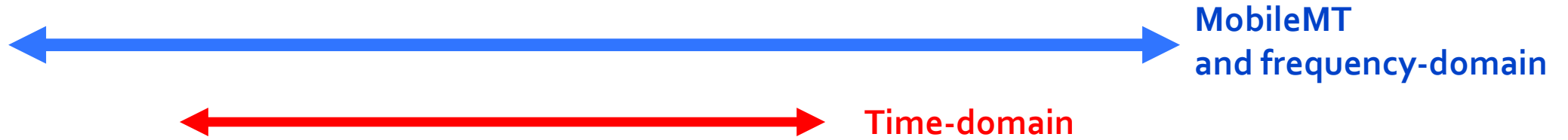# MobileMT:
THE TECHNIQUE AND
EXPLORATION ADVANTAGES
(massive sulphides case studies)

Expert Geophysics Limited
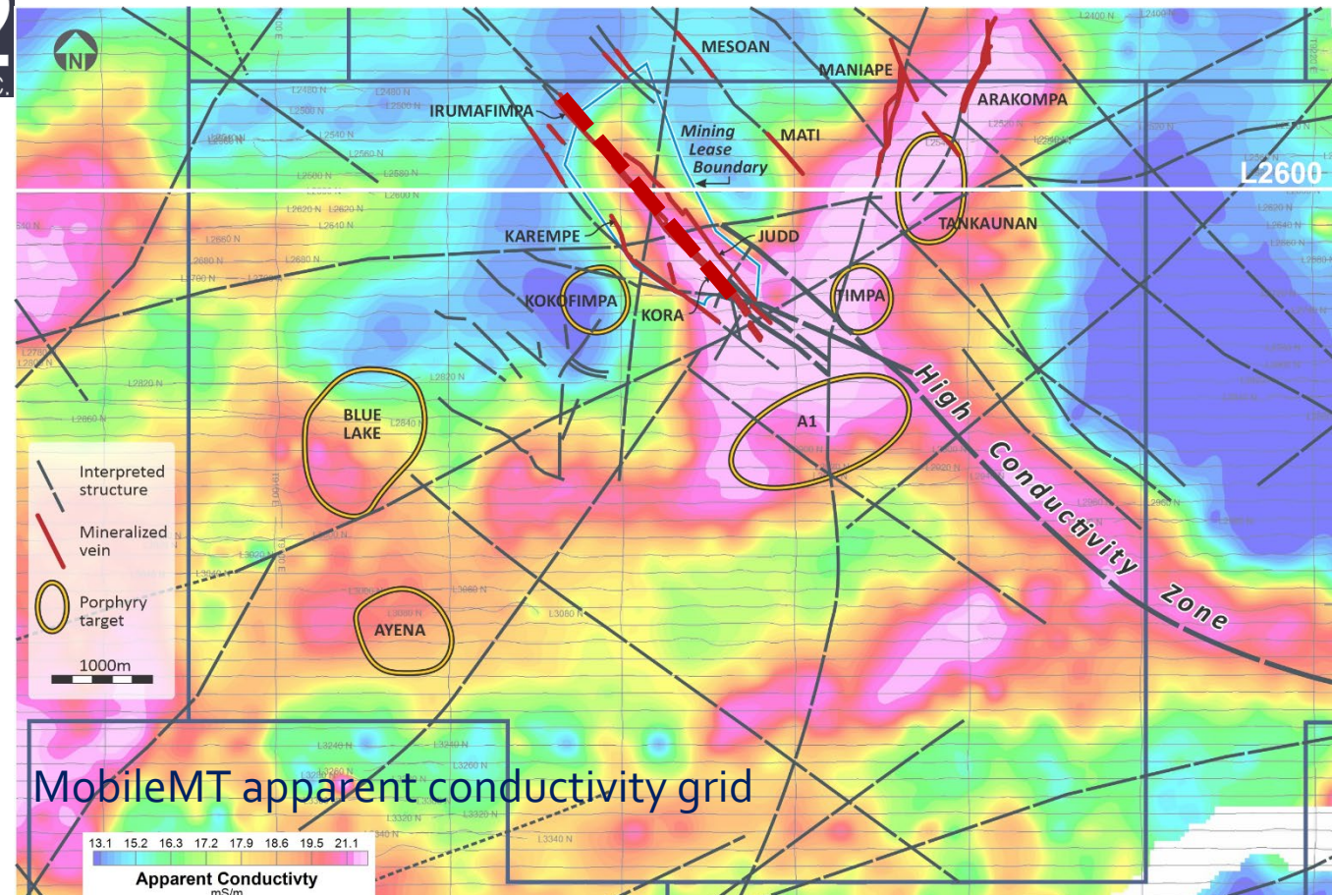
RANGE OF RESISTIVITY DETECTION AND DIFFERENTIATION
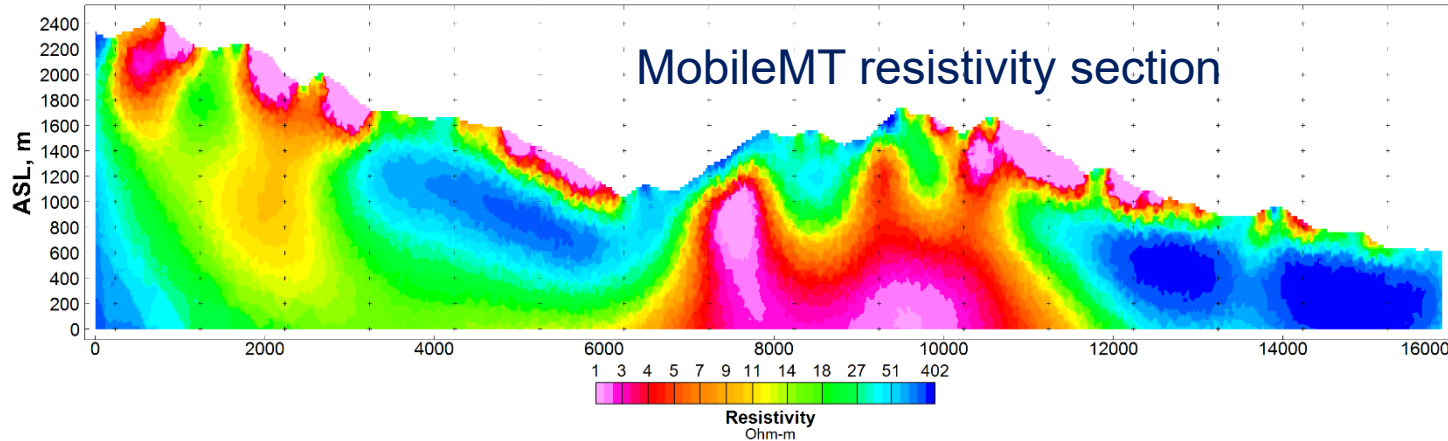
MobileMT apparent conductivity grid

MobileMT resistivity section

Au,Ag,Cu epithermal veins with less explored porphyry

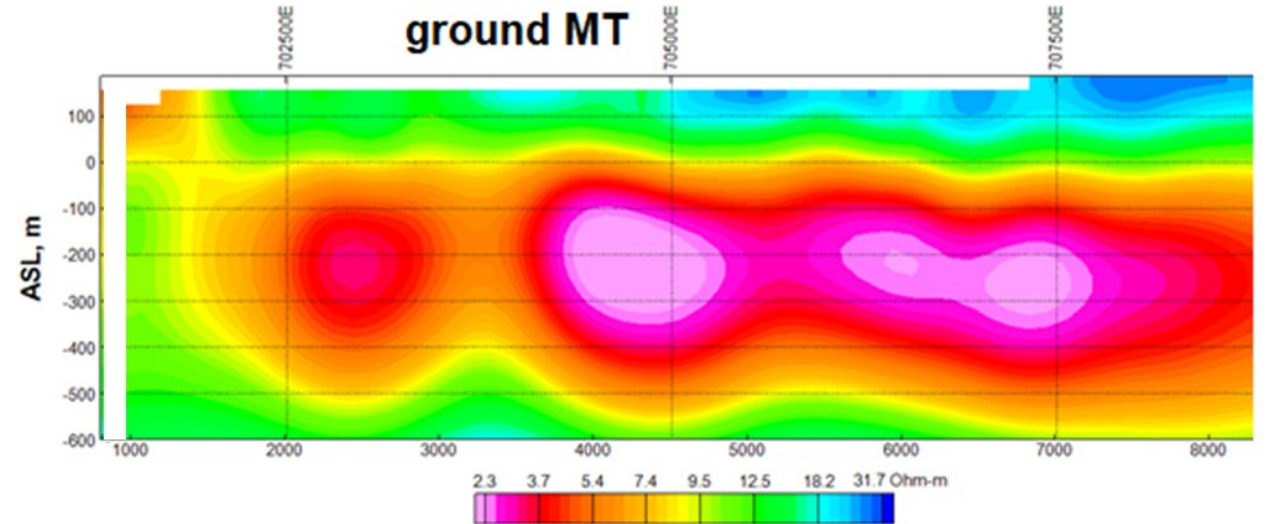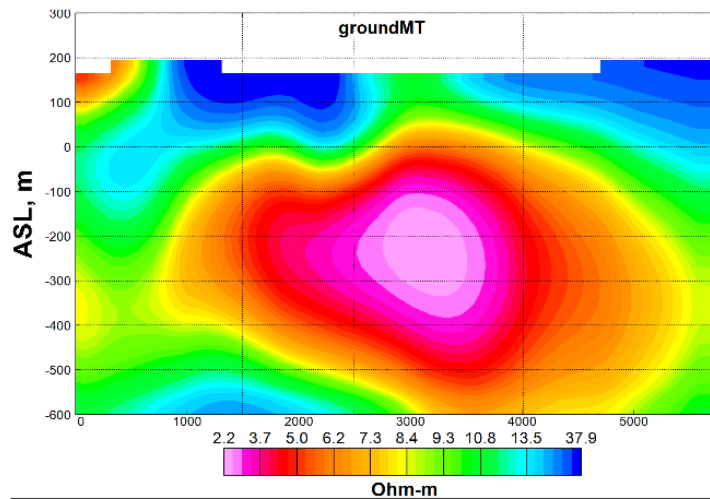| Kora		Irumafimba	
indicated	inferred	indicated	inferred
2.1 moz	2.5 moz	0.2 moz	0.2 moz
at 9.2 g/t Au Eq	at 9.5 g/t AuEq	at 10.4 g/t AuEq	at 13.4 g/t AuEq

The deposits are composed of sediment-hosted fine-grained sulphides.
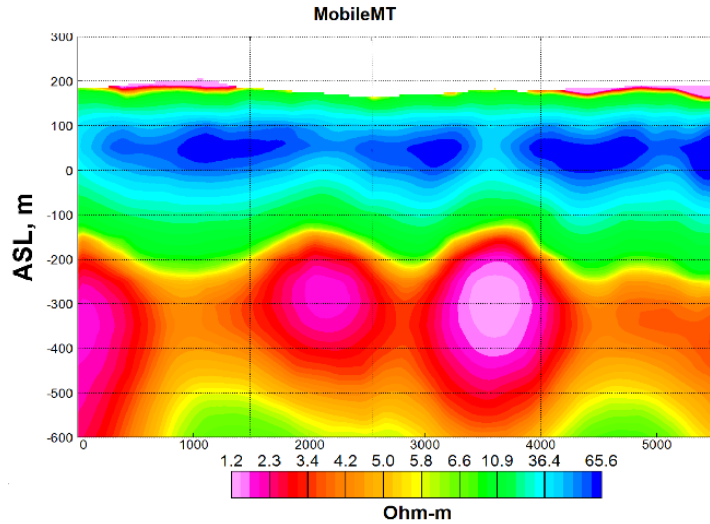
27-445 Hz with a station spacing ~12-15 m
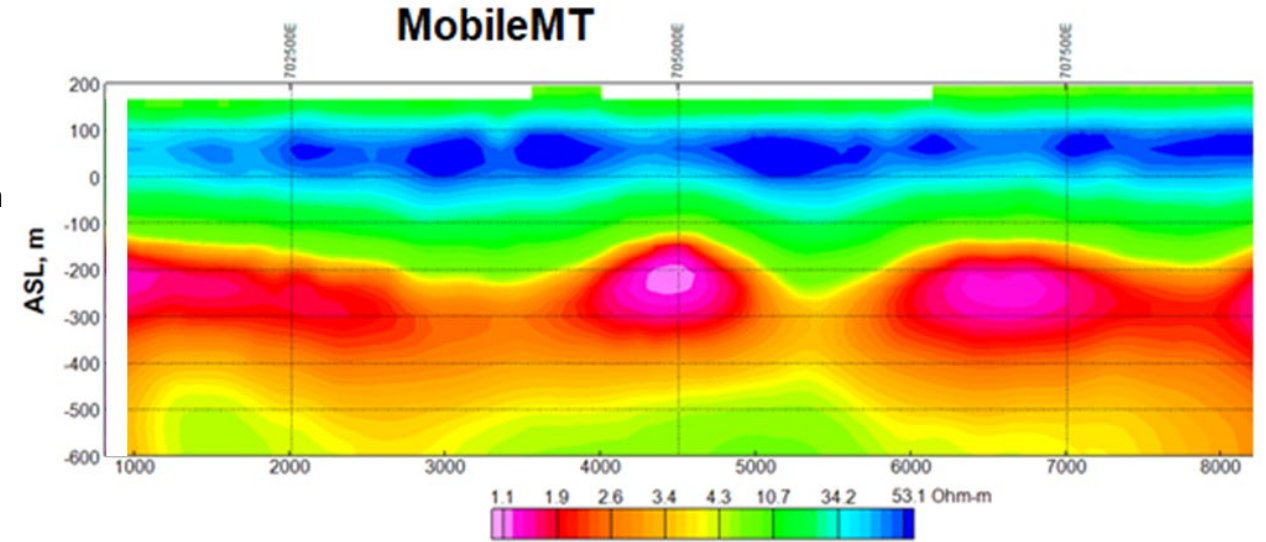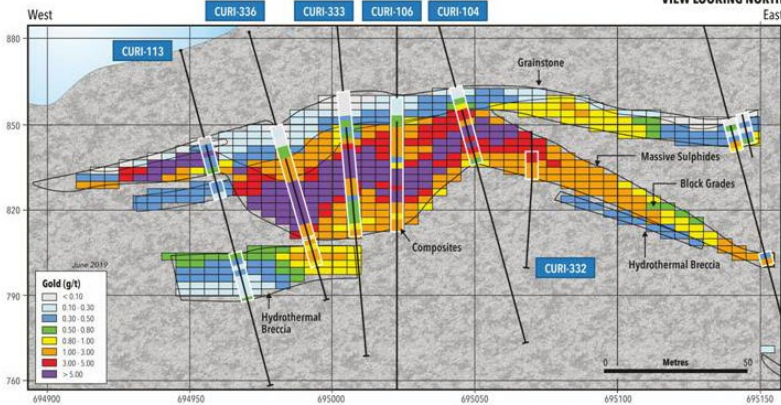
0.001 - 250 Hz with a site spacing ~500 m.

El Domo VMS (Cu-Au-Zn-Ag) deposit (Ecuador)

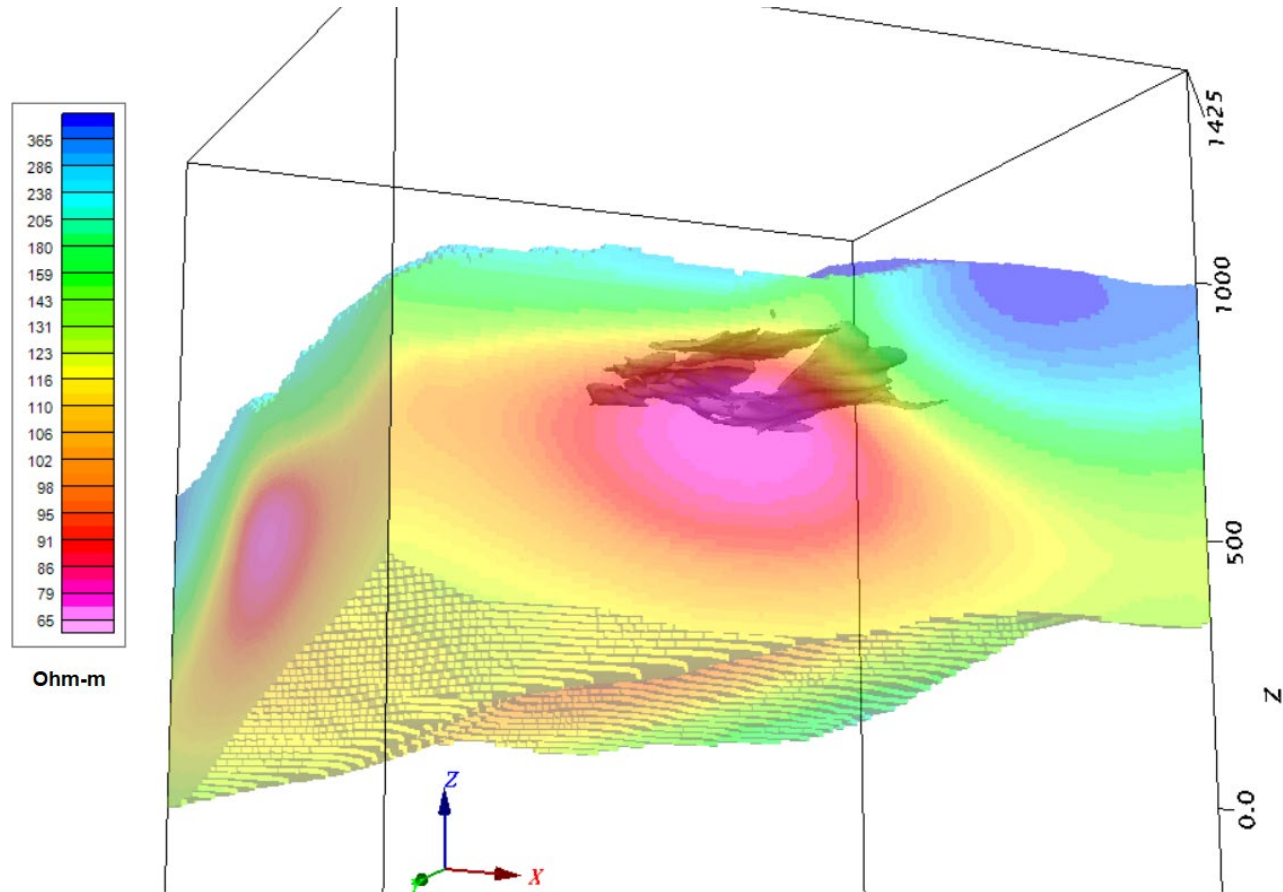MobileMT 3D resistivity voxel
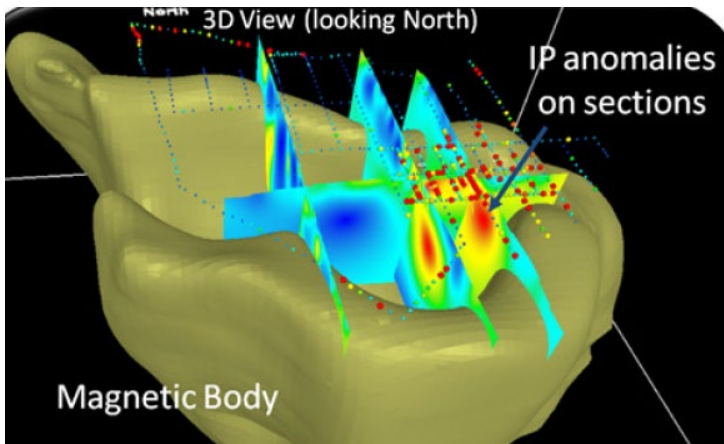
3D View (looking North)

IP anomalies on sections

Magnetic Body

visible copper sulphides from 199m to 298m depth

MobileMT resistivity section

Resistivity of inverted section Line--1520

TCDD004
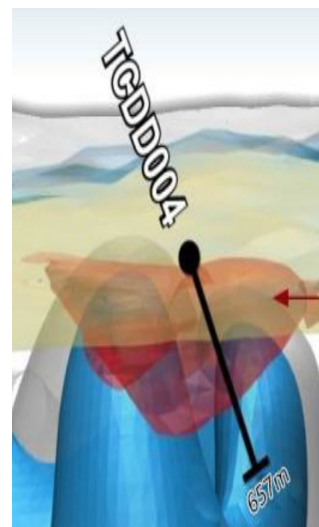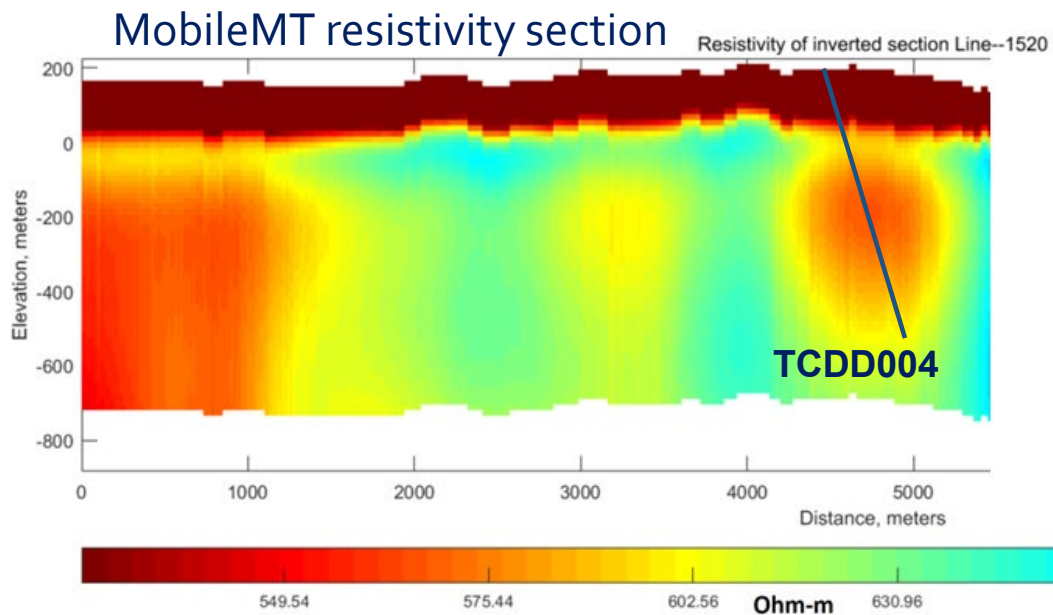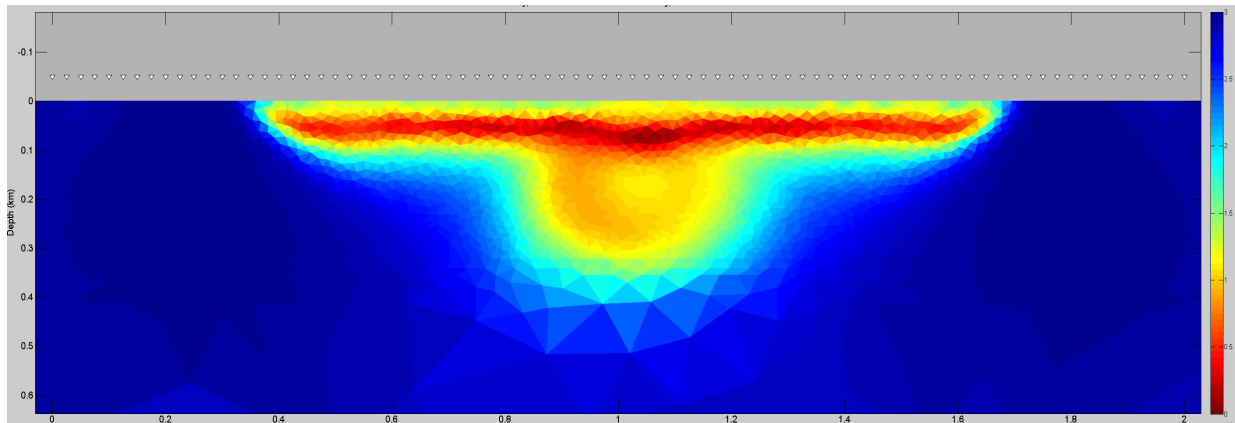
Synthetic modeling (strong conductor under highly conductive overburden)

Real MobileMT data

Congo Craton margin (west Africa)
Cu-Ni sulphides related mafic-ultramafic rocks

Calculated response
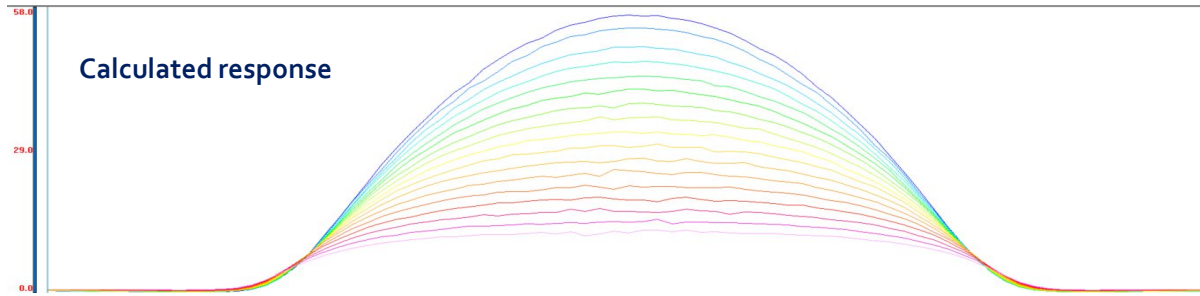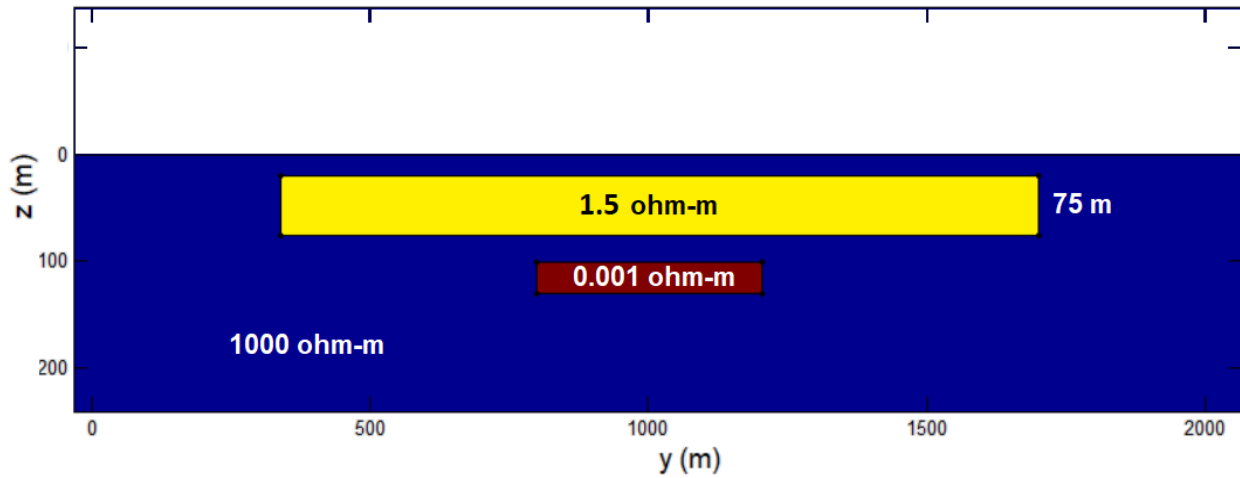
Recovered resistivity section

MobileMT resistivity section

Ontario, SW of Sudbury impact structure
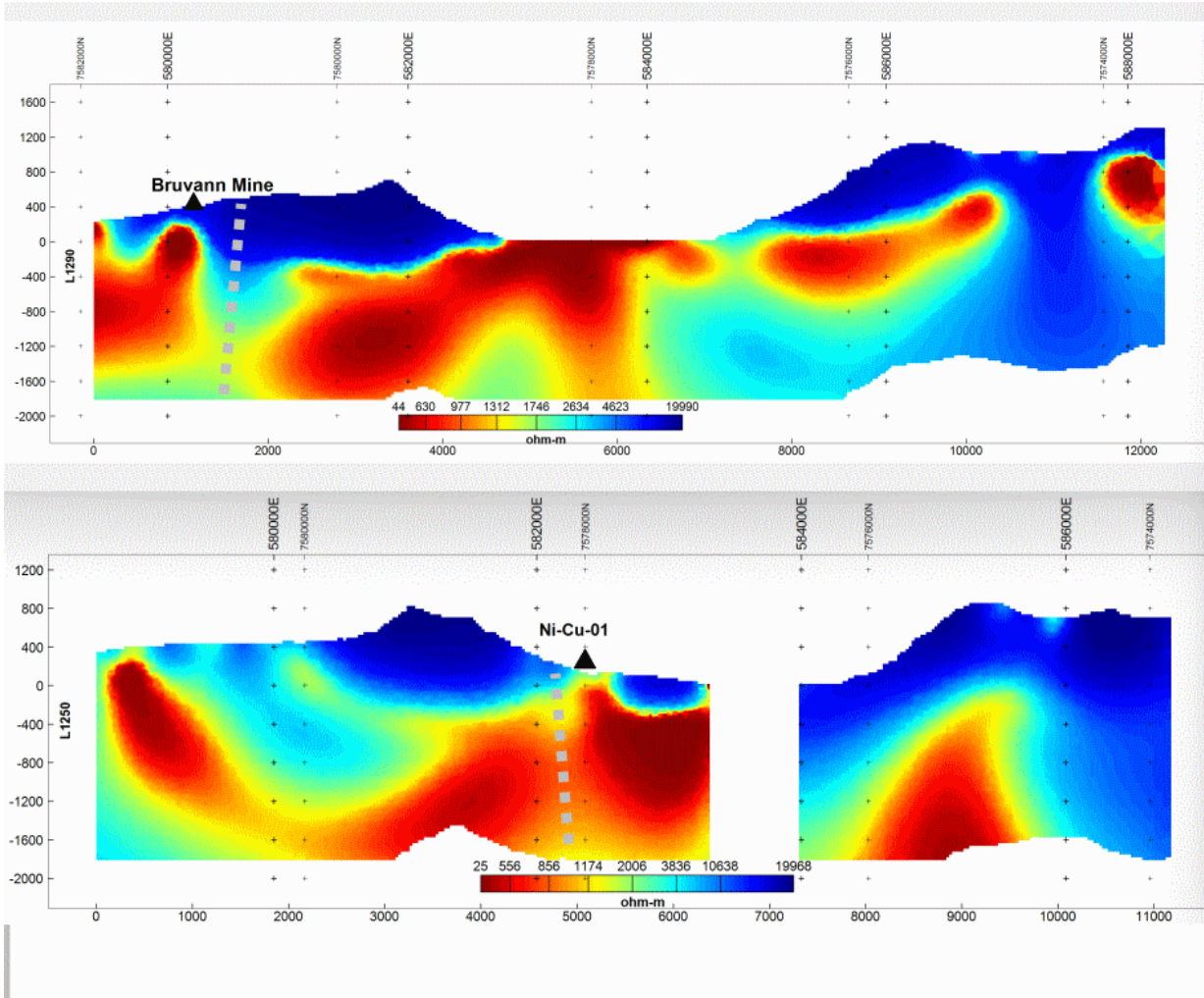Lithological mapping
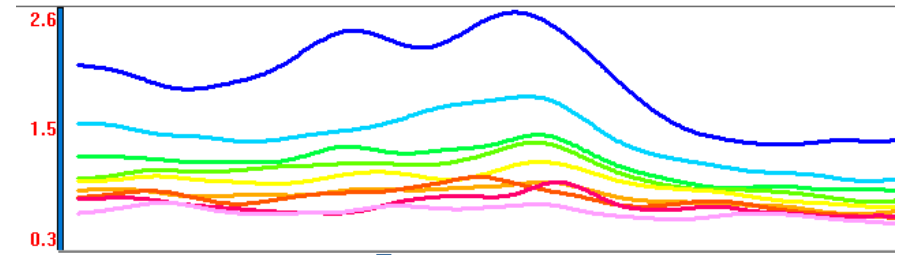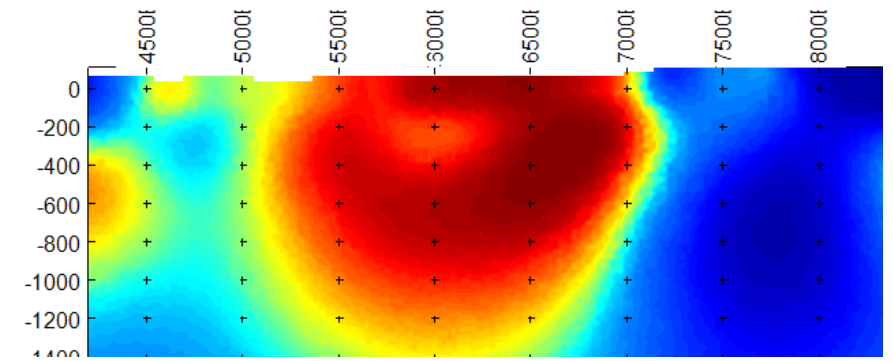
Råna mafic-ultramafic layered intrusion

MobileMT resistivity sections

Geological map