

# TargetEM

at 15 Hz base frequency

**Caber and  
Caber North  
detection**



*from innovations to discoveries*

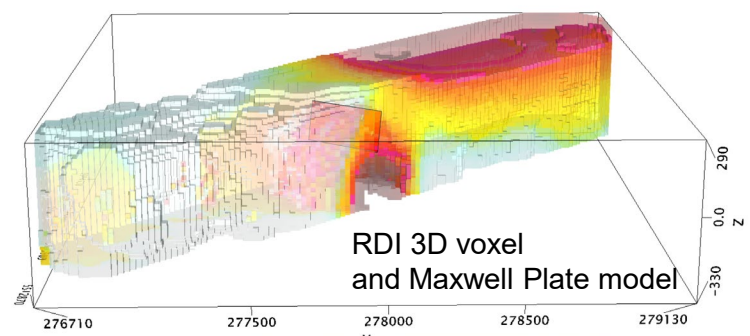
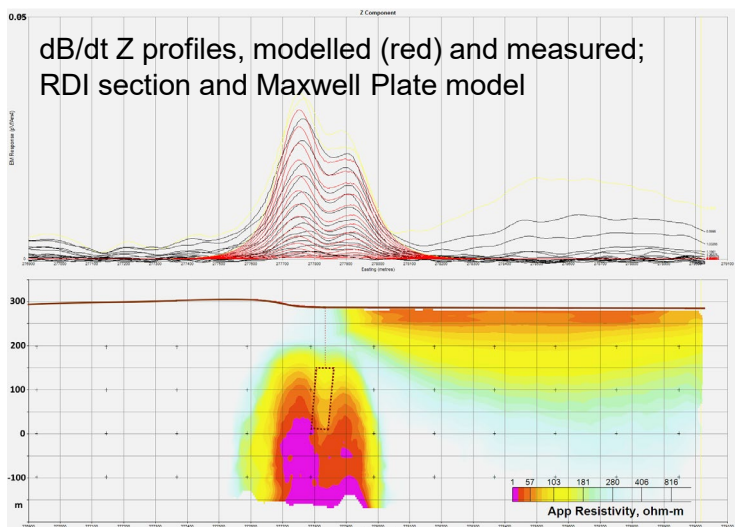
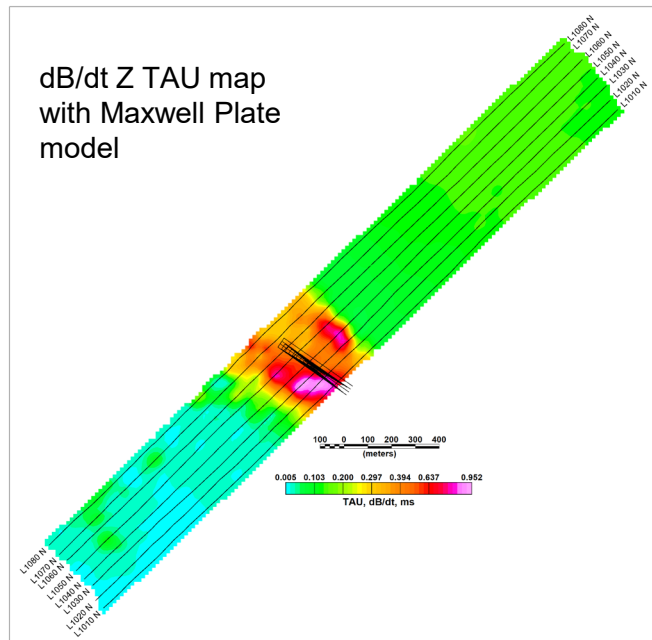
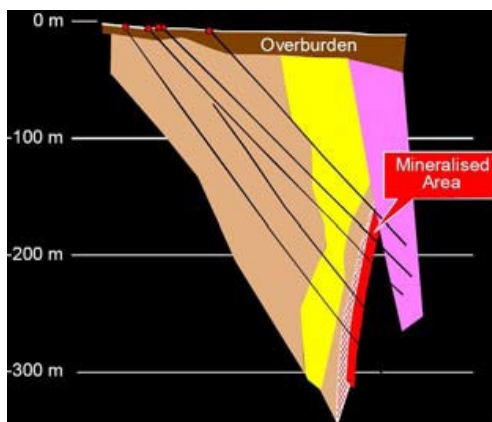
**Expert Geophysics Limited**

Tel: (+1) 647-657-4774; e-mail: [info@expertgeophysics.com](mailto:info@expertgeophysics.com); [www.expertgeophysics.com](http://www.expertgeophysics.com)

**TargetEM** system developed by Expert Geophysics Limited is an advanced airborne time-domain electromagnetic system operating at a low base frequency (**15 Hz / 12.5 Hz**). The patent-pending low-noise three component receiver together with the high dipole moment of **~500,000 NIA** provide the industry's highest data quality. The system's exceptional capabilities have been demonstrated through the successful detection of the Caber and Caber North conductors located in Québec, Canada.

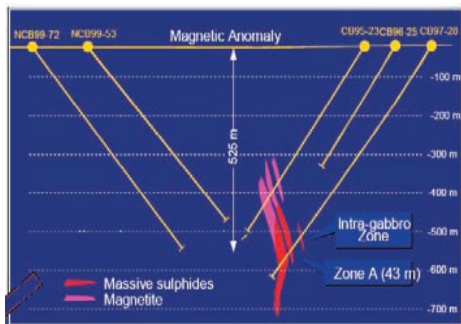
## Caber deposit

The Caber copper-zinc volcanic massive sulfide deposit, containing 1.3 MT at 1.3% Cu and 5.5% Zn, is located at a depth of 150 m under a conductive overburden cover of approximately 10 m.

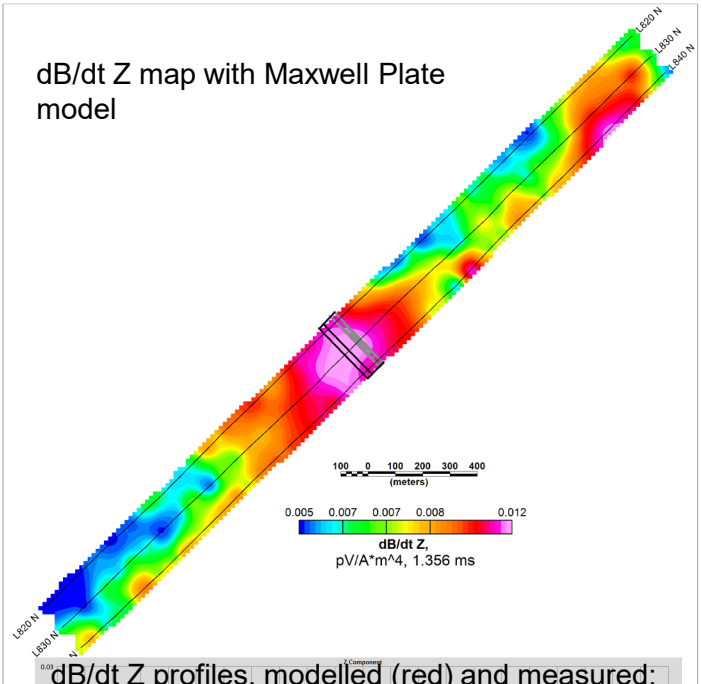


## Caber North deposit

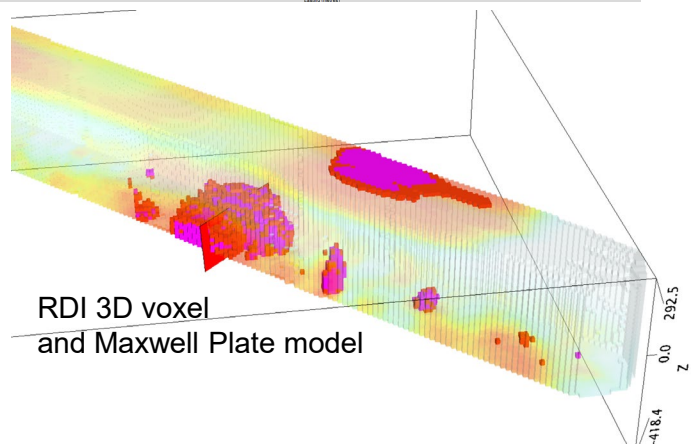
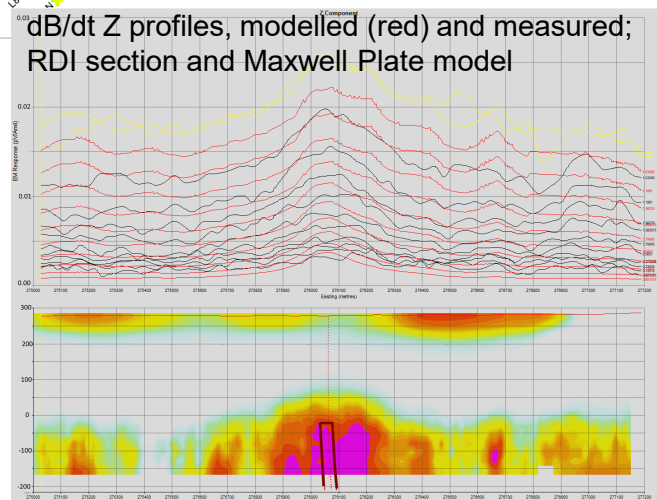
The Caber North deposit (1.3 Mt @ 4.0% Zn, 1.7% Cu) is buried at more than 300 meters depth under conductive overburden. the Caber North area is host to four closely associated massive sulfide lenses containing in excess of 15 million tonnes of massive sulfides and magnetite.



dB/dt Z map with Maxwell Plate model



dB/dt Z profiles, modelled (red) and measured; RDI section and Maxwell Plate model



RDI 3D voxel and Maxwell Plate model



## **AIRBORNE GEOPHYSICAL SURVEYS WORLDWIDE**

### **with advanced electromagnetic systems**

MobileMT is the most advanced generation of airborne AFMAG technology for fast and effective 3D geoelectrical mapping applicable to any kind of geological prospecting project.

MobileMTm is a lightweight version of MobileMT, adding one additional total field magnetometer to enable measuring the horizontal gradient of the Earth's magnetic field.

MobileMTd is our next-generation, most advanced AFMAG technology which operates under a UAV platform. MobileMTd provides unmatched precision, resolution, and depth of investigation.

TargetEM is an advanced time-domain system with a 12.5 Hz / 15 HZ base frequency, ~500,000 NIA dipole moment, long square pulse, and industry-leading low noise. The TargetEM system is designed to provide VLF and AFMAG (high frequency) data along with time-domain EM data.

The integration of TargetEM and MobileMT technologies offers a technically and operationally straightforward solution, delivering highly informative, optimized data and reliable insights for specific exploration tasks.

mTEM is a time-domain system designed for high resolution near surface electromagnetic investigations.

#### **CONTACTS:**

<b>Expert Geophysics Limited (Head Office, Canada)</b>	<b>Phone: (+1) 647-657-4774</b>
<b>Expert Geophysics Pty Ltd (Australian Office)</b>	<b>Phone: (+61) 0499934611</b>
<b>Expert Geophysics Limited (South Africa)</b>	<b>Phone: (+27) 82 400 6122</b>
<b>Expert Geophysics Limited (Chile)</b>	<b>Phone: (+56)-9-9507-3445</b>
<b>Expert Geophysics Ltda. (Brazil)</b>	<b>Phone: (+55) 65-98465-2504</b>
<b>Expert Geophysics Limited (Peru)</b>	<b>Phone: (+51) 986-688-092</b>

**[www.expertgeophysics.com](http://www.expertgeophysics.com)**