

InfiniTEM® discovery on Coulon property

A ground *InfiniTEM*® survey (fall 2006) carried last Fall 2006 by an Abitibi Geophysics team has contributed to the discovery of a new polymetallic lens (**lens 43**) over the Coulon property. The Coulon property is owned by **Virginia Mines Inc.** a mining company and is located 15 km north of Fontanges airport, Mid-North Quebec. The property sits within an unexplored Archean volcanic belt with typical geological characteristics of belts that are fertile in volcanogenic massive sulphide deposits (figure 1).

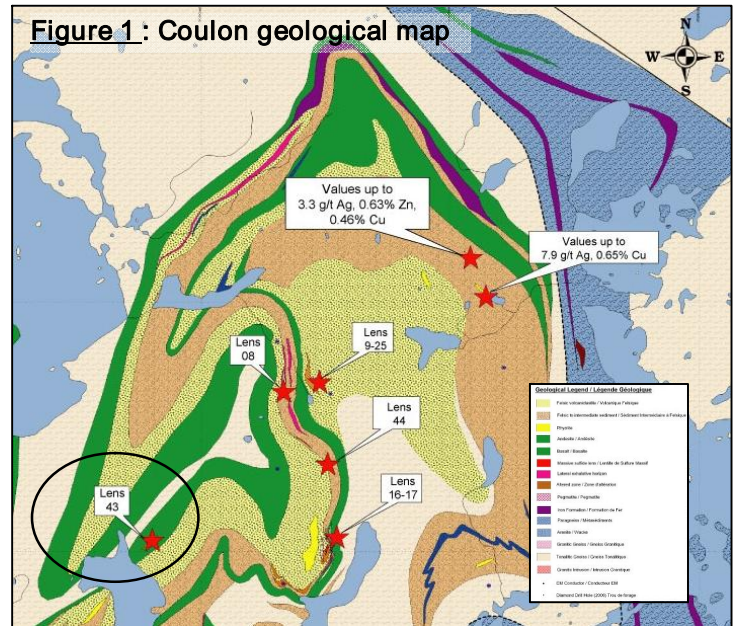
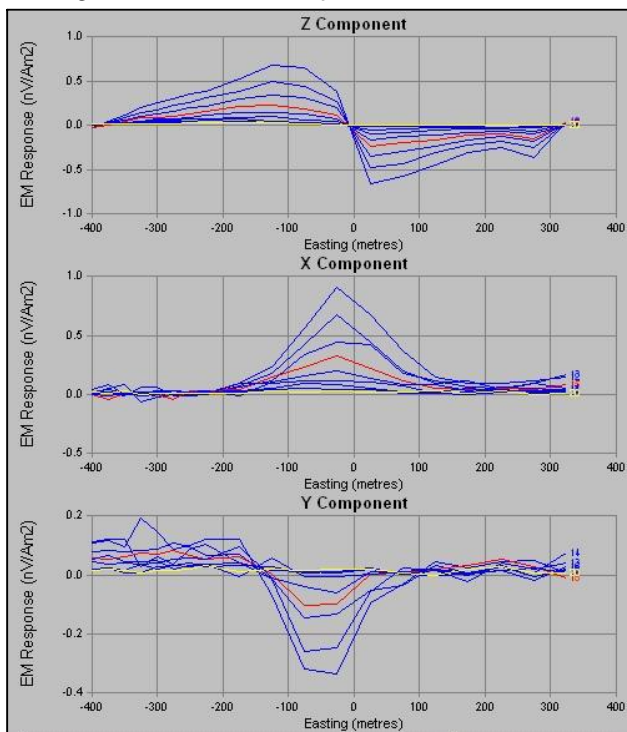


Figure 2: *InfiniTEM*® profile over line 7+00N



Indeed, the ground *InfiniTEM*® survey detected a new anomaly (**EM-01**) over two survey lines, 7+00N and 9+00N. Figure 2 presents the measured profile of the three component (Z, X & Y) over line 7+00N. An anomaly centered on station 0+25S can be interpreted as being associated with a subvertical moderately conductive source, buried at a depth of 75 meters.

DDH **CN-06-43** was targeting the anomaly (figure 2) and hit massive sulphides: new lens 43. Virginia Mines mentioned in their press release (Dec.19, '06) that hole **CN06-43** intersected a sequence of altered felsic volcanic rock (anthophyllite-phlogopite-biotite) including, at a depth of 145 m along the hole (120 m vertically), a massive sulphide zone grading 4.58% Zn, 1.37% Pb, 57.14 g/t Ag and 0.6% Cu over 3.5 m. Figure 3 on the next page shows the geological cross-section of DDH **CN-06-43** (from www.virginia.qc.ca).

Figure 4 illustrates the ground *InfiniTEM*[®] Z component color map over Coulon. *InfiniTEM*[®] anomalies are characterized by red and blue maximums and are associated with EM conductors (semi-massive to massive sulphides). The blue profiles stacked over the map are preliminary results from a heliborne EM survey flown in 2003 over the Coulon property. Some heliborne and *InfiniTEM*[®] anomalies are coincident.

Lens 43, characterized by a red maximum on the *InfiniTEM*[®] color map was not detected by the heliborne survey. **EM-01** anomaly does not show the strongest intensity amongst all anomalies on the map, but its *InfiniTEM*[®] profile response (shown on figure 2) is unambiguous and clearly corresponds to a 3D geological conductor.

Figure 4: Heliborne TDEM survey profiles (2003) stacked over the ground *InfiniTEM*[®] survey Z component color map (win 12-19) - Coulon Property

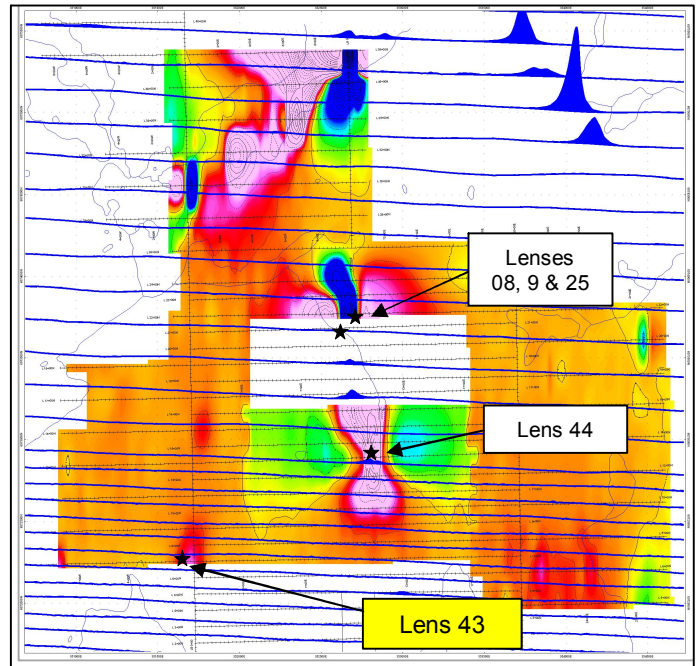
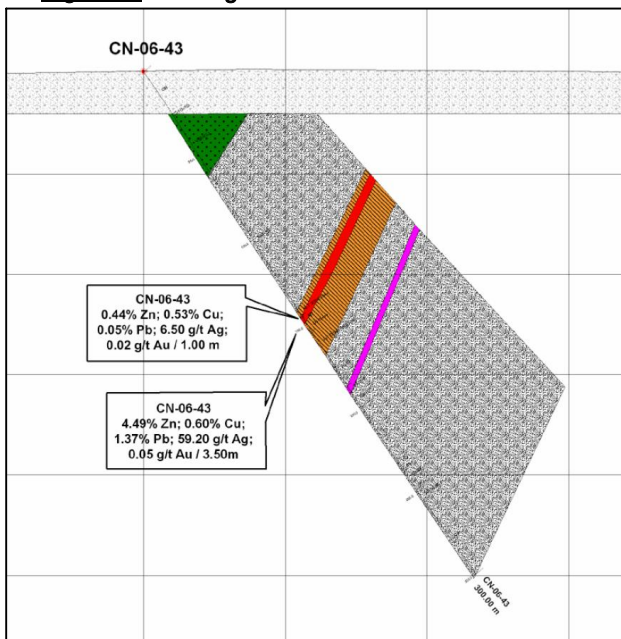


Figure 3 : Geological section from DDH CN-06-43



New employees

M. François Châtillon recently join Abitibi Geophysics team as a program analyst. He will develop programs and software according to the company needs. François has graduated at École Polytechnique de Montréal in Geological Engineering with a speciality in geophysics. More recently, he completed a bacc. in Computer Science with a specialization in software development at University of Montréal. He has more than 10 years of experience in many domains directly associated with computer science.

M. David Nauss also join Abitibi Geophysics team as a electronician. He owns a diploma in electrical devices repair and installation from Commission Scolaire Marguerite-Bourgeois. He has work in that domain for more than 5 years now and will be in charge of the geophysical equipment maintenance within the company.

Abitibi Geophysics wish to thank Virginia Mines for their generosity to give away the results of the winter 2006-07 drilling campaign on their Coulon property.

Reference: Virginia Mines Inc. press release, http://www.virginia.qc.ca/ajouts/communiqués/2006/19dec_e.htm

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