

Modelling Results – Nussir Deposit, Finnmark, Norway

Compiled by Peter Walker using MultiLoop III.

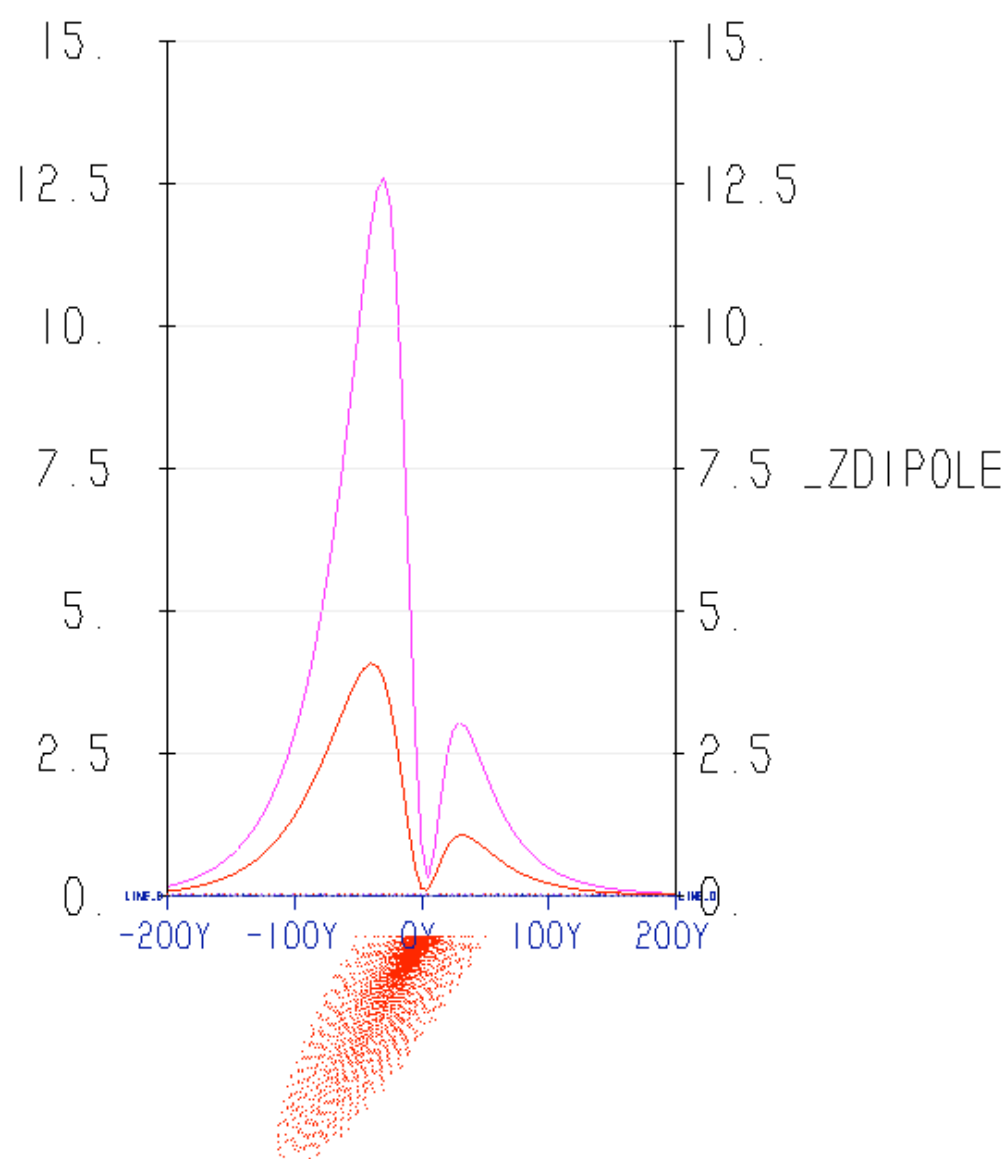
Reference data from ground measurements by NGU (Geological Survey of Norway, J.S. Ronning)

Basic model: Half sheet, dip 60 degrees, depth = 0; resistance = 12 ohms (Conductance is the inverse of resistance = $1/12$ S)

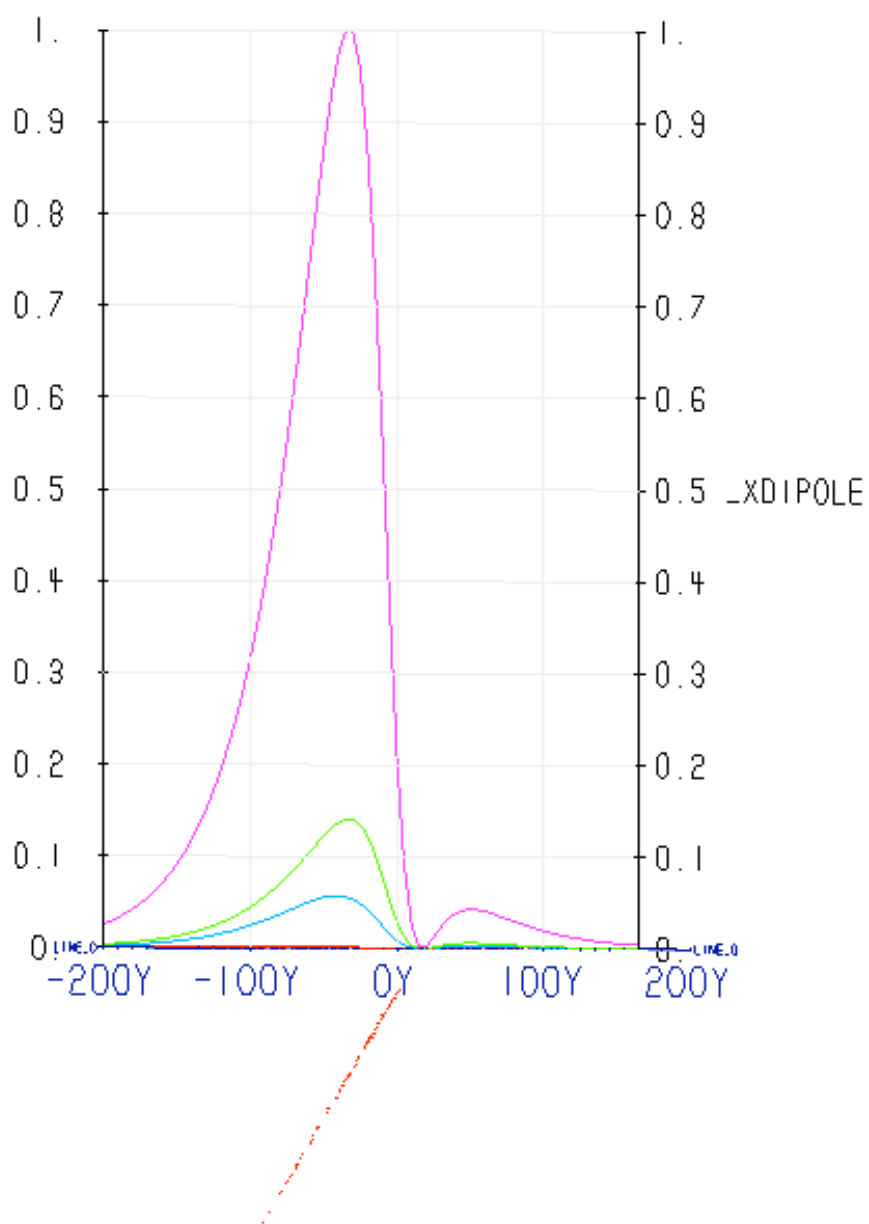
Mineralization: 4 meters of 50 ohm-m gives a conductance of $4/50$ S or about $1/12$ S

Background is 2000-4000 ohm-m is assumed to be perfectly resistive.

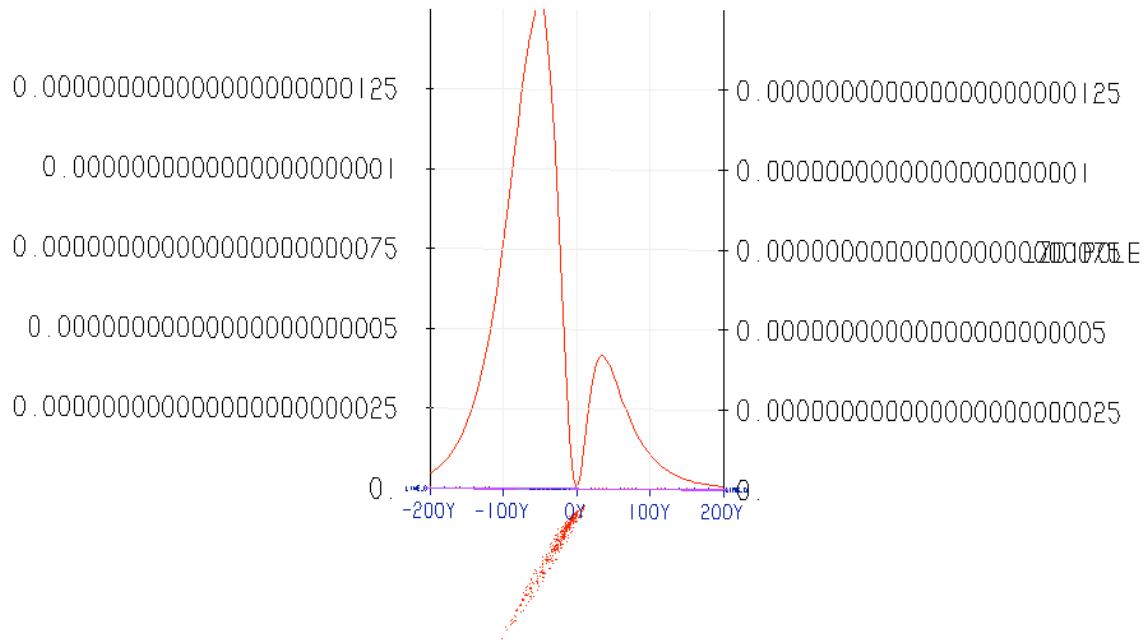
Modelled using the Hummingbird and VTEM system configurations



Calculated 34 KHz data (ppm). Hummingbird configuration.



Calculated Coaxial data (ppm). Hummingbird configuration.



Calculated VTEM data (nT/sec).