

Direction générale de Géologie Québec



High Resolution Magnetic Map of Quebec

This map of Quebec's residual magnetic field was produced using Geosoft's GridKnit tool. It includes compilations made in the Abitibi ([DP 2010-05](#)) and James Bay ([DP 2011-07](#)) regions as well as all magnetic data acquired by *Géologie Québec* in recent years. Spacing between flight lines varies between 100 m and 300 m and the flight height is from 40 m to 100 m.

The values of residual component of the total magnetic field are interpolated using a grid of 75 m. The first vertical derivative, the analytical signal and the tilt derivative are calculated using the Fourier transform method with the Geosoft's MAGMAP module. The projection is Québec Lambert (NAD83).

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