

ELECTROMAGNETIC IMAGING OF THE EARTH FROM THE SHALLOW SURFACE TO THE BASE OF THE LITHOSPHERE

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This paper will review natural-source magnetotelluric (MT) studies undertaken in Canada over the last half-decade to reveal the electrical properties of the Earth at widely differing scales. Traditionally MT has been used for investigating the electrical properties of the deep crust. Over the last 5 years the method has also been used for imaging mineralized bodies within mineable depths (over 10,000 sites!) and also to obtain lithospheric mantle information.