

Mapping Magnetic Lineaments in the Foothills of Northeastern British Columbia using 2-D Wavelet Transform

Hassan Hassan*

GEDCO, Calgary, Alberta, Canada

hassan@gedco.com

Abstract

This work describes the use of wavelet transform technique to map lineaments in High Resolution Aero Magnetic (HRAM) data. This technique is completely automated and therefore much faster, more cost-effective, and less subjective than traditional approaches to mapping lineaments. Preliminary results are very encouraging and reveal lineament that are likely to be missed using traditional lineament mapping techniques.