

STRANGE LAKE AIRBORNE GRAVITY GRADIOMETER AND MAGNETIC SURVEY

TGI4: Targeted Geoscience Initiative 4 - Increasing Deep Exploration Effectiveness

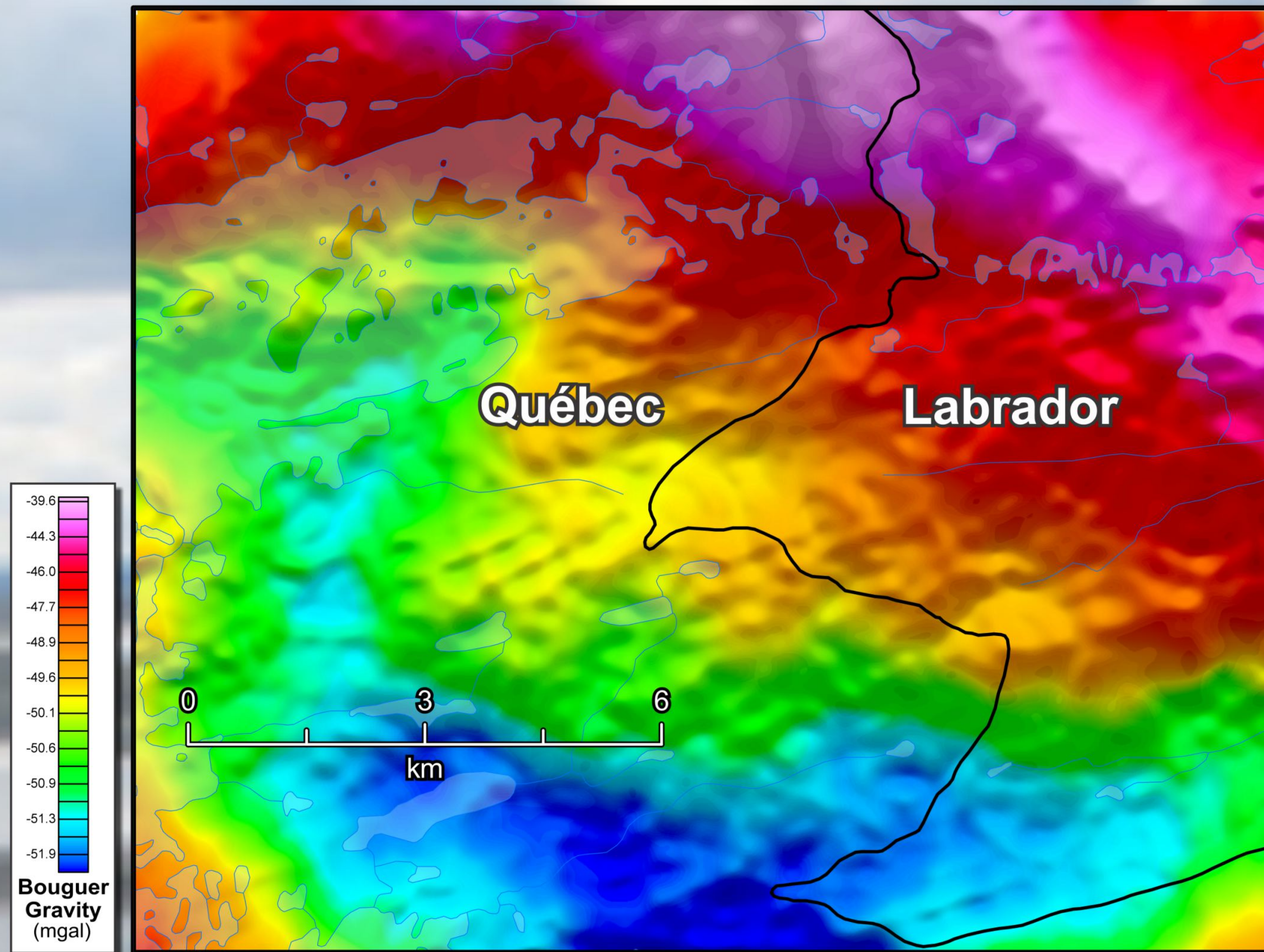
Ressources naturelles
et Faune
Québec

TGI⁴ IGCC⁴
Canada

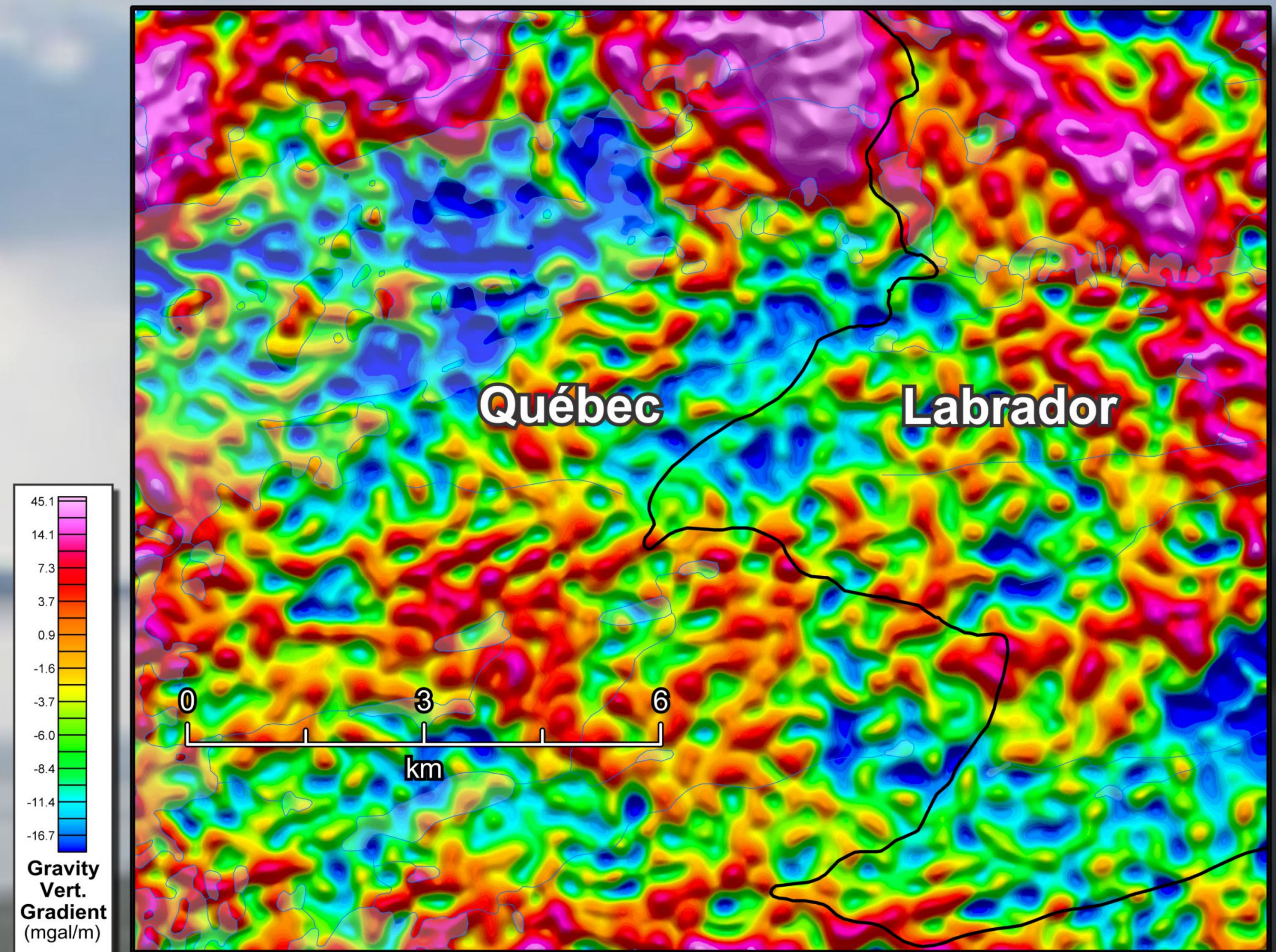
Newfoundland
Labrador
Natural Resources

The Targeted Geoscience Initiative 4 (TGI-4) is a collaborative federal geoscience program that provides industry with the next generation of geoscience knowledge and innovative techniques, which will result in more effective targeting of buried mineral deposits.

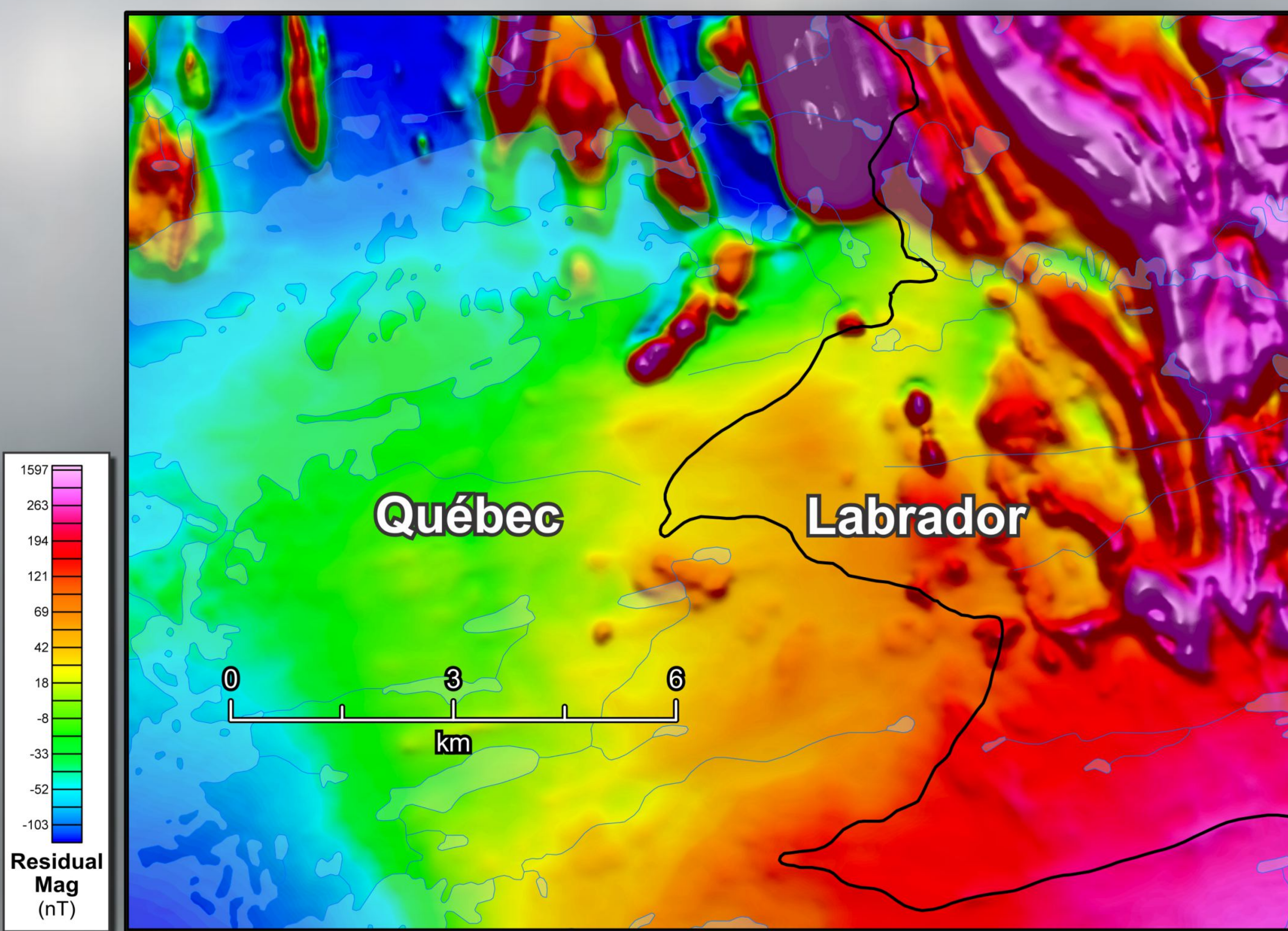
Vertical Component of the Gravity



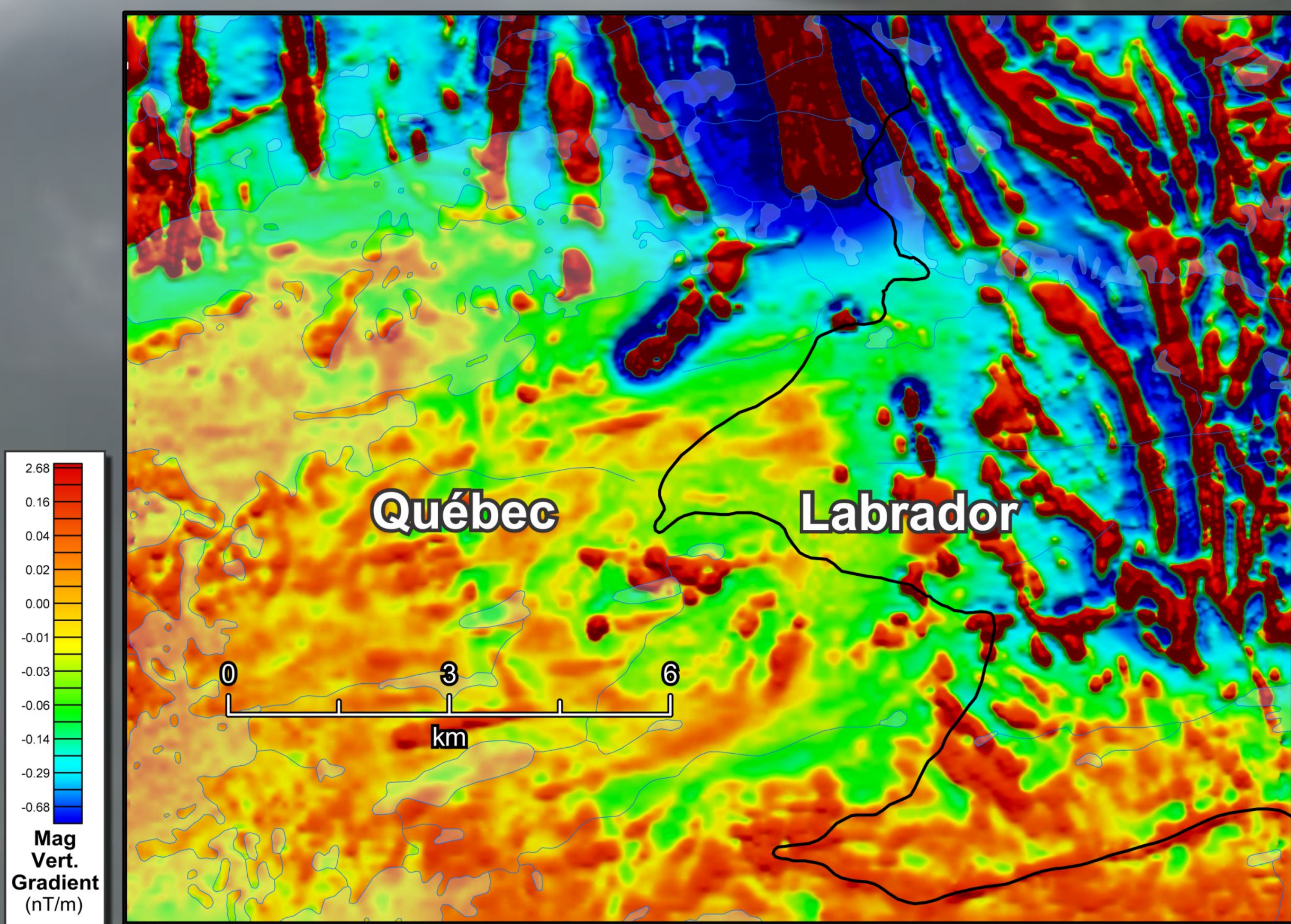
Vertical Gravity Gradient



Residual Total Magnetic Field



First Vertical Derivative of the Magnetic Field



Strange Lake Gravity Gradiometric and Magnetic Survey - Technical Information

These data were acquired during a fixed-wing gravity gradiometric and magnetic survey carried out by Fugro Airborne Surveys between March 13 and April 8, 2012. The survey was flown using a Cessna Caravan 208B aircraft (C-GGRD) equipped with a FALCON airborne gravity gradiometer, a Scintrex magnetic sensor, and a Reigl laser scanner. The nominal traverse line spacing was 100 m, with control line spacing of 1200 m. The nominal aircraft altitude was 80 m above ground. The traverse lines were oriented N90°E and control lines were flown perpendicular to the traverse lines. The flight path was recovered with post-flight differential GPS. The survey was carried out according to a predetermined drape surface in order to minimize the differences in altitude between the traverse and control lines.

