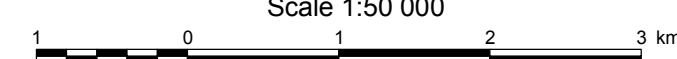


# Airborne Magnetic Calculated First Vertical Derivative Map for NTS 11E/14, Malagash Area, Nova Scotia

M. S. King

Scale 1:50 000



Halifax, Nova Scotia



© Her Majesty the Queen in Right of the Province of Nova Scotia 2005

## Airborne Magnetic Data Vertical Gradient (First Derivative)

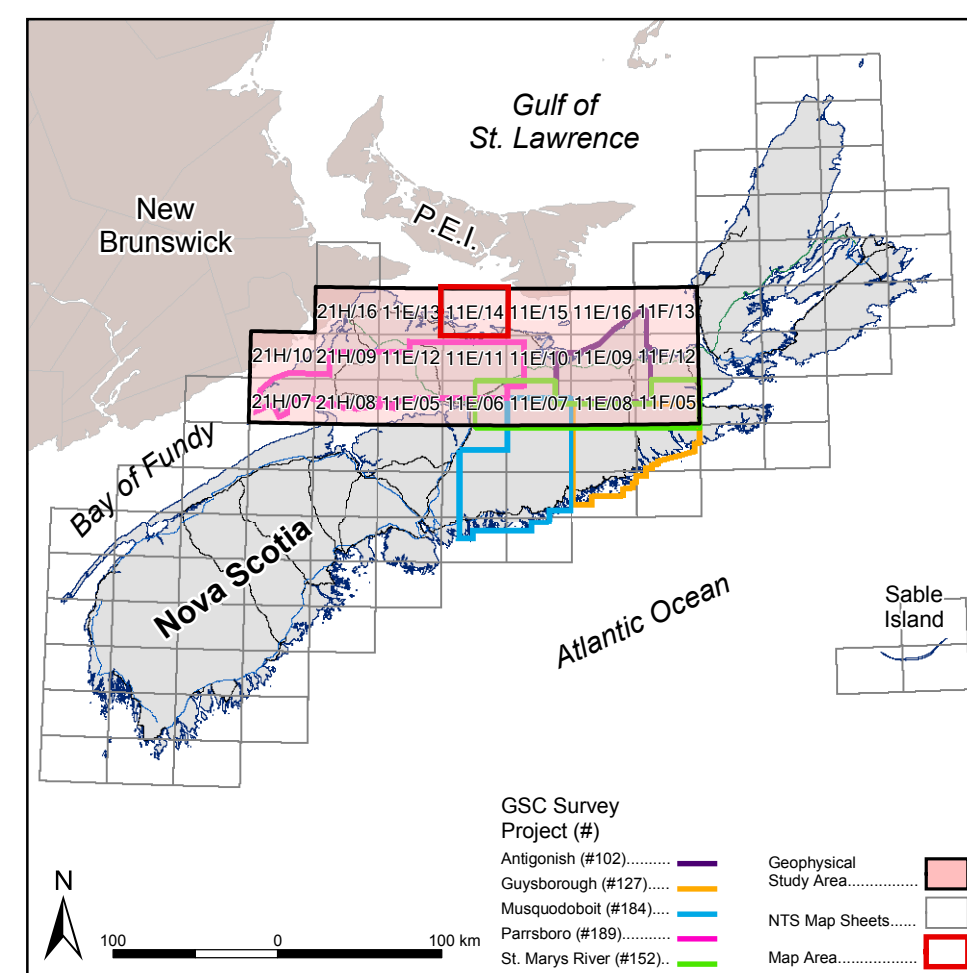
Airborne geophysical data, used to produce this map, were supplied by the Geological Survey of Canada (GSC) - Geophysical Data Centre, 615 Booth St., Ottawa, Ontario K1A 0E9. These magnetic data were digitized from older vintage GSC analogue data. The data, used to produce this map image, are the calculated first vertical derivative of the levelled and decoupled measured total field response. Vertical gradient data enhance near-surface magnetic sources at the expense of deeper features. Zero value gradient contours also correlate closely with the vertical projection of magnetic contacts. The 24-bit colour map image was produced with a 25 m pixel size. Shading was from the south at 35° above the horizon. For complete details please refer to Open File Report by King (2004).

## Reference

For more information on this map series, refer to:

King, M. S. 2004: Report on potential field mapping component of the geological mapping of the St. Marys Basin Project, northern mainland Nova Scotia, Phase 2 of the Targeted Geoscience Initiative; Nova Scotia Department of Natural Resources, Mineral Resources Branch, Open File Report ME 2004-4.

## Regional Key Map



## Map Notes

Universal Transverse Mercator Projection (UTM), Zone 20, Central Meridian 63°00' West.

North American Datum (NAD) 1927.

Base and digital data derived from the Nova Scotia Topographic Database (NSTDB). The NSTDB is available from Service Nova Scotia and Municipal Relations (SNMRL), Land Information Services Division (LIS), Nova Scotia Geomatics Centre (NSGC), Amherst, Nova Scotia.

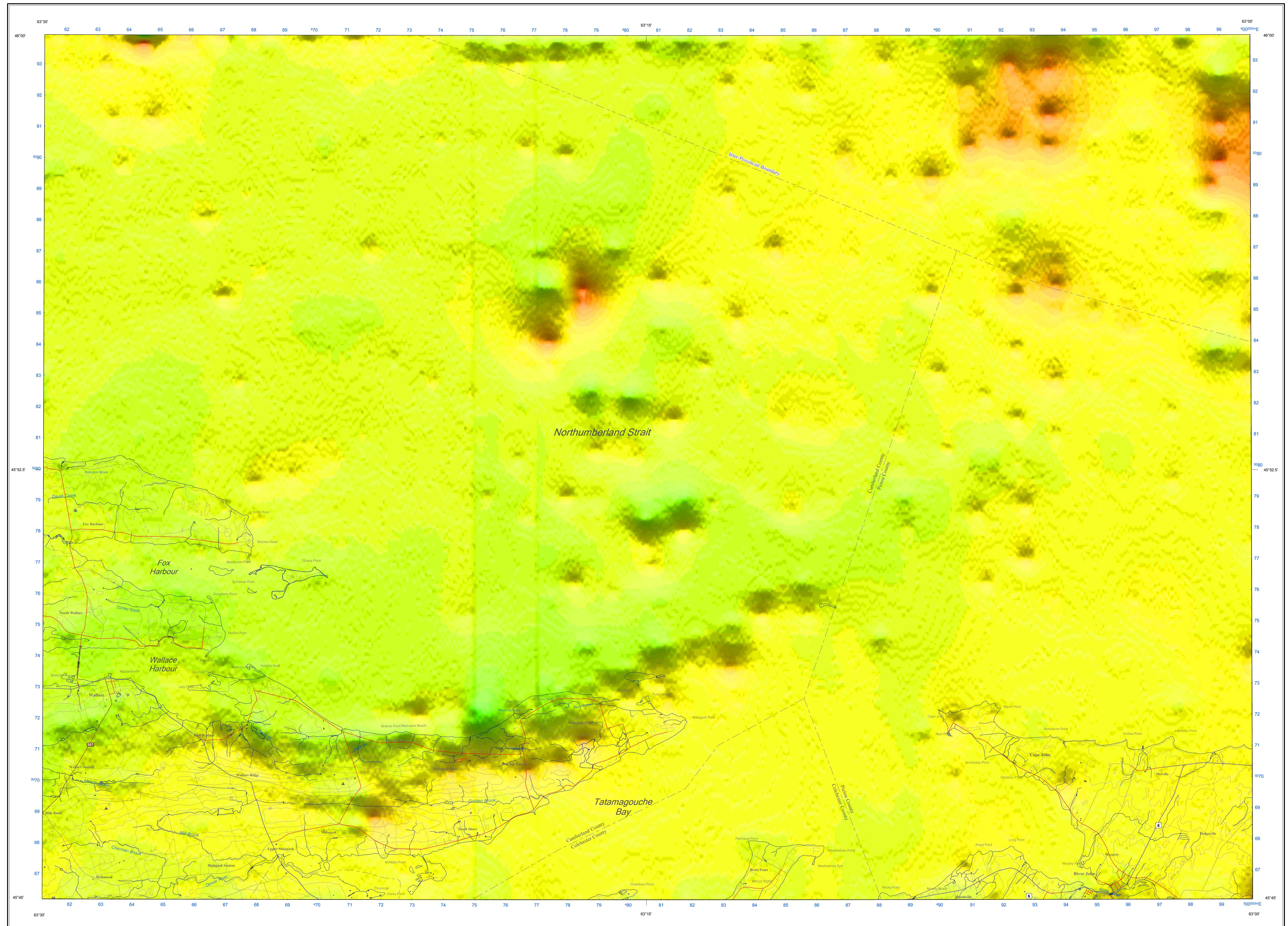
Cartography and reproduction by Nova Scotia Department of Natural Resources, Geoscience Information Services Section, 2004-2005.

## Disclaimer

The information on this map may have come from a variety of government and nongovernment sources. The Nova Scotia Department of Natural Resources does not assume any liability for errors that may occur.

## Recommended Citation

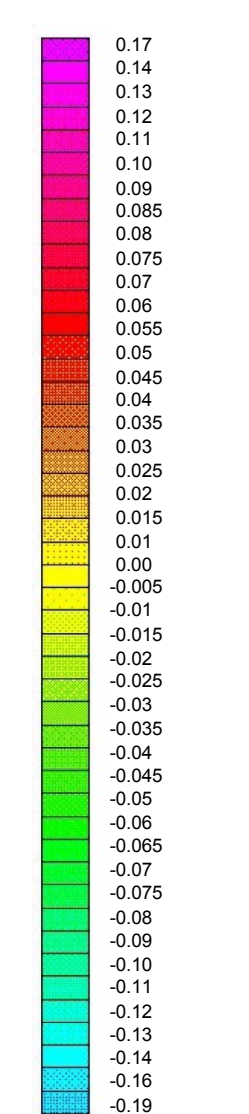
King, M.S. 2005: Airborne magnetic calculated first vertical derivative map for NTS 11E/14, Malagash area, Nova Scotia; Nova Scotia Department of Natural Resources, Mineral Resources Branch, Open File Map ME 2005-30, scale 1:50 000.



## Legend

- Spot Height
- Contour
- Depression Contour
- Index Contour
- Index Depression Contour
- Coastline, Lakes, Single-Line Rivers, Streams
- 100 Series Highway
- Trans-Canada Highway
- Trunk Highway
- Collector Highway
- Hard Surface Road
- Road Under Construction
- Loose Surface/Resource Access Road
- Vehicle Track
- Trail/Footpath
- Railway
- Railway Inactive
- County Boundary

Contour Interval = 10 m



Vertical Gradient (nT/m)