

MAP NOTES

Universal Transverse Mercator (UTM) Projection, Zone 20, Central Meridian 63°00' West.
 North American Datum (NAD) 1983.
 Base and digital elevation data derived from the Nova Scotia Topographic Database (NSTDB). Copyright Her Majesty the Queen in Right of the Province of Nova Scotia. The NSTDB is available from Service Nova Scotia and Municipal Relations (SNSMR), Land Information Services Division (LIS), Nova Scotia Geomatics Centre (NSGC), Amherst, Nova Scotia.
 Contribution to the Natural Resources Canada and Nova Scotia Department of Natural Resources joint project 'Geological Mapping for Mineral Development, South-central Cape Breton Island', part of Natural Resources Canada's Targeted Geoscience Initiative 2000-2003.

DISCLAIMER

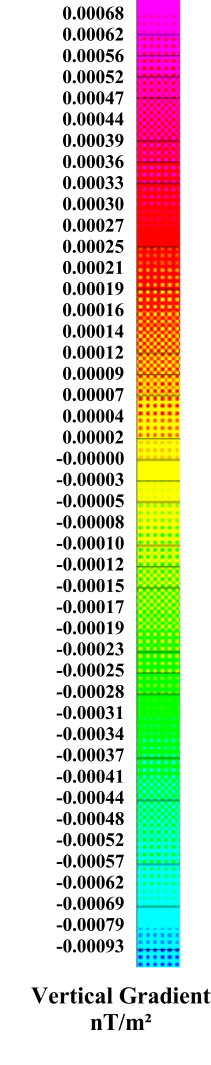
The information on this map may have come from a variety of government and non-government sources. The Nova Scotia Department of Natural Resources does not assume any liability for errors that may occur.
 This map was printed using dye-based inks which are subject to fading. It is recommended that you store out of direct light when not in use to lengthen life of product.

REFERENCE

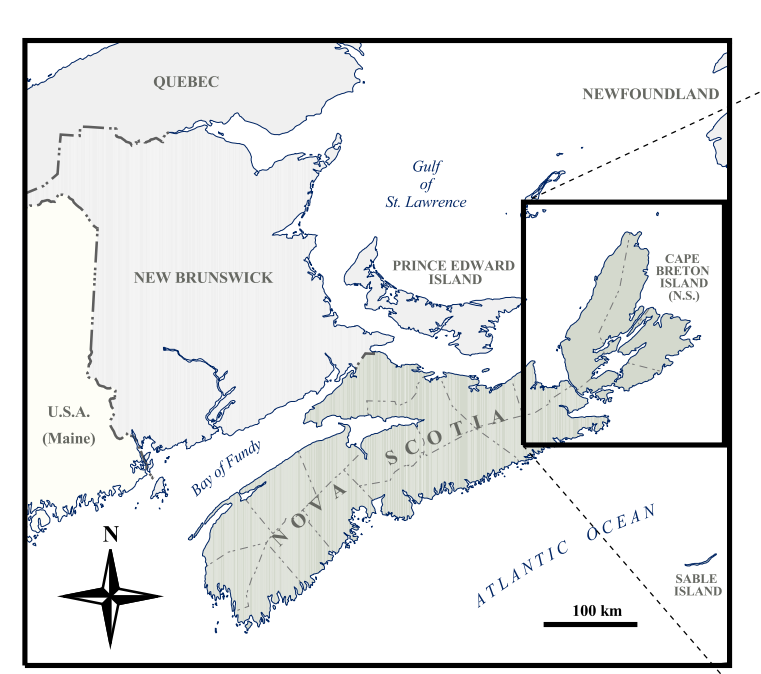
For more information on this map series, refer to:
 King, M. S. 2003: Report on potential field modelling project, Targeted Geoscience Initiative, Antigonish, Guysborough, Cape Breton, Inverside, Richmond and Victoria Counties (NTS 11K/03, 11K/14, 11K/15, and 11K/02), south-central Cape Breton Island, Nova Scotia; Nova Scotia Department of Natural Resources, Mineral Resources Branch, Open File Report ME 2003-3.

**AIRBORNE MAGNETIC DATA
 Second Vertical Derivative**

The airborne data used to generate this map were supplied by the Geological Survey of Canada - Geophysical Data Centre, 615 Booth St., Ottawa, Ontario, K1A 0E9. The original magnetic data were acquired as part of Project #260 "Western Cape Breton Island". The data in this image were derived from the filtered total field. Vertical derivatives enhance near-surface magnetic sources at the expense of deeper features.
 The magnetic data in this image reflect lithological variations from approximately 0-500 m depth and should correlate most closely with geological map information. Spatial resolution of the map is approximately 75 m. The 24-bit colour map image was produced with a 25 m pixel size at 1:50 000 scale. Shading was from the southeast at 35° above the horizon.
 For complete details please refer to Open File Report ME 2003-3 by King.

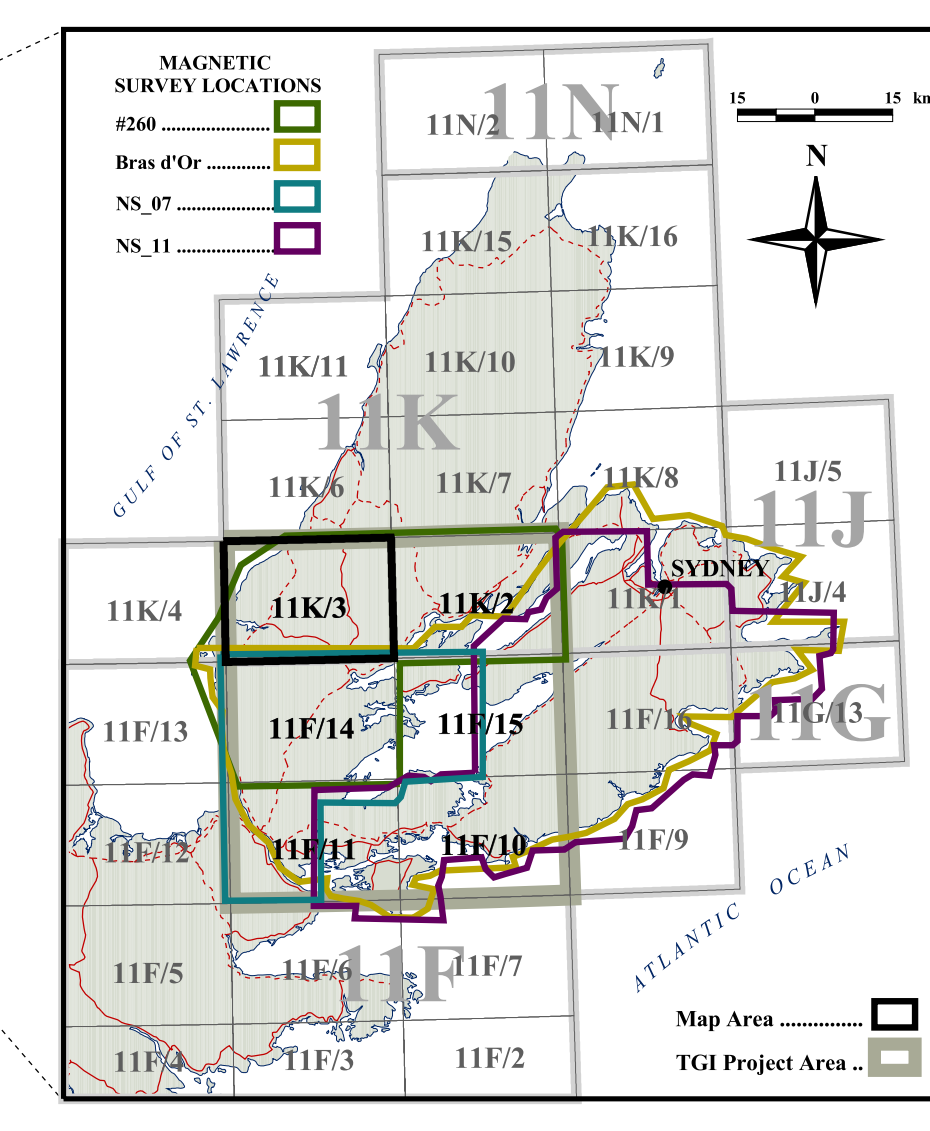


REGIONAL KEY MAP



LEGEND

- Settlement
- Spot Elevation (m)
- Trunk Highway
- Collector Highway
- Local Surface Road
- Lease Surface Road
- Cart Track
- Resource Access Road
- Railway Initiative
- County Boundary
- Dam
- Coast Lake/River
- Swamp
- Topographic Contour (10 m interval)



Airborne Magnetic Calculated Second Vertical Derivative Map for part of NTS 11K/03, Lake Ainslie Area, Nova Scotia



Nova Scotia Department of Natural Resources
 Mineral Resources Branch
 Open File Map ME 2003-16
 M. S. King
 Halifax, Nova Scotia
 2003



RECOMMENDED CITATION

King, M. S. 2003: Airborne magnetic calculated second vertical derivative map for part of NTS 11K/03, Lake Ainslie area, Nova Scotia; Nova Scotia Department of Natural Resources, Mineral Resources Branch, Open File Map ME 2003-16, scale 1:50 000.