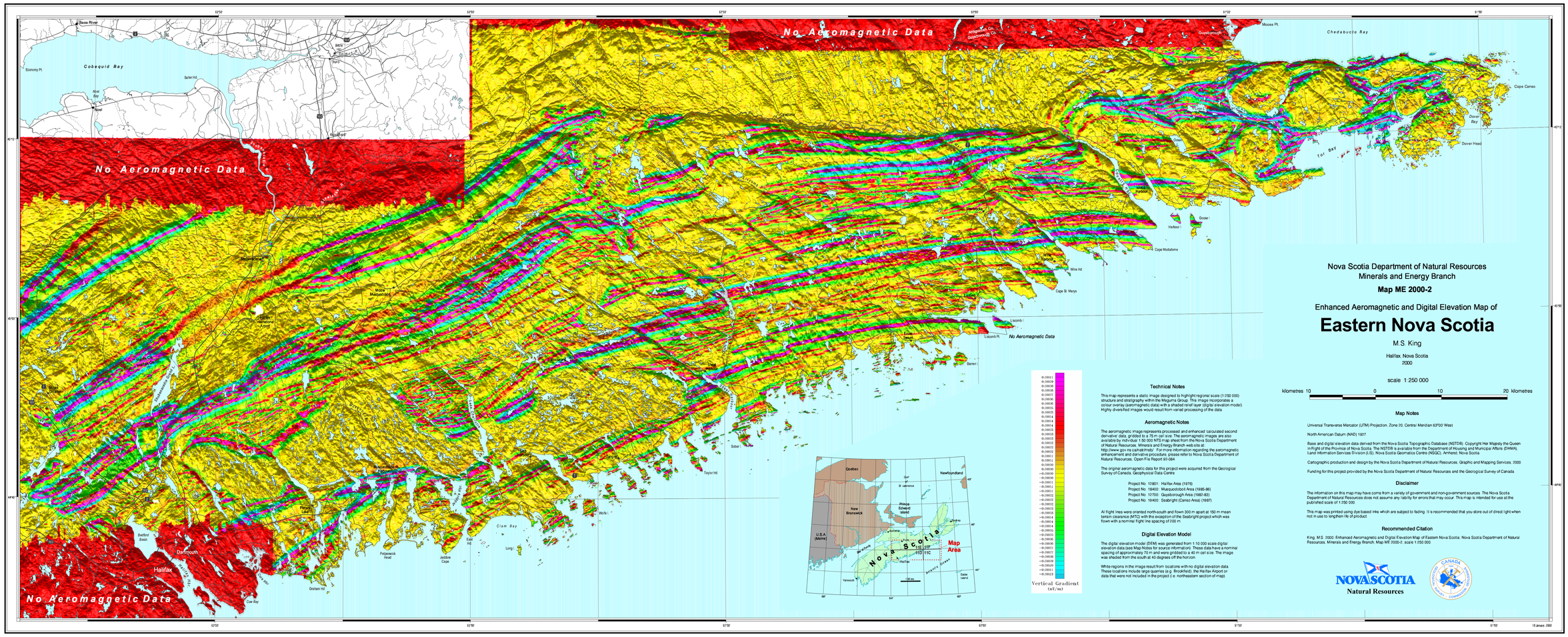
No Aeromagnetic Data
No Aeromagnetic Data
No Aeromagnetic Data
No Aeromagnetic Data
Nova Scotia Department of Natural Resources
Minerals and Energy Branch
Map ME 2000-2
Enhanced Aeromagnetic and Digital Elevation Map of
Eastern Nova Scotia
M.S. King
Halifax Nova Scotia
2000
scale 1:250 000
kilometres 10 0 10 20 kilometres
Technical Notes
This map represents a static image designed to highlight regional scale (1:250 000) structure and stratigraphy within the Meguma Group. This image incorporates a colour overlay (aeromagnetic data) with a shaded relief layer (digital elevation model). Highly diversified images would result from varied processing of the data.
Aeromagnetic Notes
The aeromagnetic image represents processed and enhanced calculated second derivative' data, gridded to a 75 m cell size. The aeromagnetic images are also available by individual 1:50 000 NTS map sheet from the Nova Scotia Department of Natural Resources, Minerals and Energy Branch web site at: http://www.gov.ns.ca/natr/meb/. For more information regarding the aeromagnetic enhancement and derivative procedure, please refer to Nova Scotia Department of Natural Resources, Open File Report 97-084.
The original aeromagnetic data for this project were acquired from the Geological Survey of Canada, Geophysical Data Centre
Project No. 12801: Halifax Area (1976)
Project No. 18400: Musquodoboit Area (1985-86)
Project No. 17700: Guysborough Area (1982-83)
Project No. 19400: Seabright (Canso Area) (1987)
All flight lines were oriented north-south and flown 300 m apart at 150 m mean terrain clearance (MTC) with the exception of the Seabright project which was flown with a nominal flight line spacing of 200 m.
Digital Elevation Model
The digital elevation model (DEM) was generated from 1:10 000 scale digital elevation data (see Map Notes for source information). These data have a nominal spacing of approximately 70 m and were gridded to a 40 m cell size. The image was shaded from the south at 40 degrees off the horizon.
White regions in the image result from locations with no digital elevation data. These locations include large quarries (e.g. Brookfield), the Halifax Airport or data that were not included in the project (i.e. northeastern section of map).
Map Notes
Universal Transverse Mercator (UTM) Projection, Zone 20, Central Meridian 63°00' West
North American Datum (NAD) 1927
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 the Department of Housing and Municipal Affairs (DHMA), Land Information Services Division (LSI), Nova Scotia Geomatics Centre (NSGC), Amherst, Nova Scotia.
Cartographic production and design by the Nova Scotia Department of Natural Resources, Graphic and Mapping Services, 2000.
Funding for this project provided by the Nova Scotia Department of Natural Resources and the Geological Survey of Canada.
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 is intended for use at the published scale of 1:250 000.
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.
Recommended Citation
King, M.S. 2000: Enhanced Aeromagnetic and Digital Elevation Map of Eastern Nova Scotia: Nova Scotia Department of Natural Resources, Minerals and Energy Branch, Map ME 2000-2, scale 1:250 000.
Vertical Gradient (nT/m)
Quebec
Newfoundland
New Brunswick
Prince Edward Island
U.S.A. (Maine)
Nova Scotia
Map Area
NOVA SCOTIA
Natural Resources
CANADA