

### Map Notes

The second vertical derivative aeromagnetic data was calculated from the total field aeromagnetic data acquired by the Geological Survey of Canada and provided to the Nova Scotia Department of Natural Resources.

During the enhancement process this data has also been de-corrugated to remove levelling errors and it has been upward continued 50m to remove high frequency noise amplified during the calculation of the vertical derivative.

For a complete description of the enhancement procedure see the Contractor's Report.

This geophysical map is a composite colour/shaded relief presentation. The 1:50 000 scale raster image is plotted with 25m colour pixels in a Tagged Image File Format (tiff).

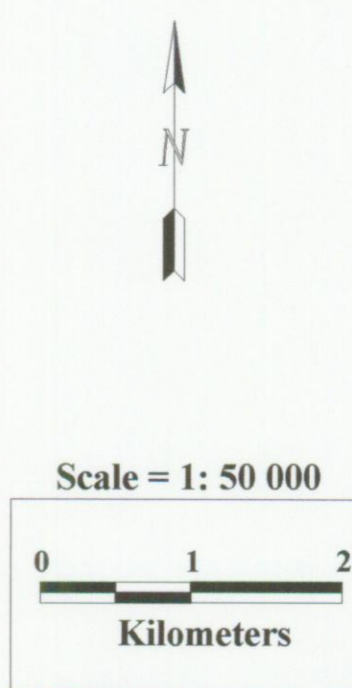
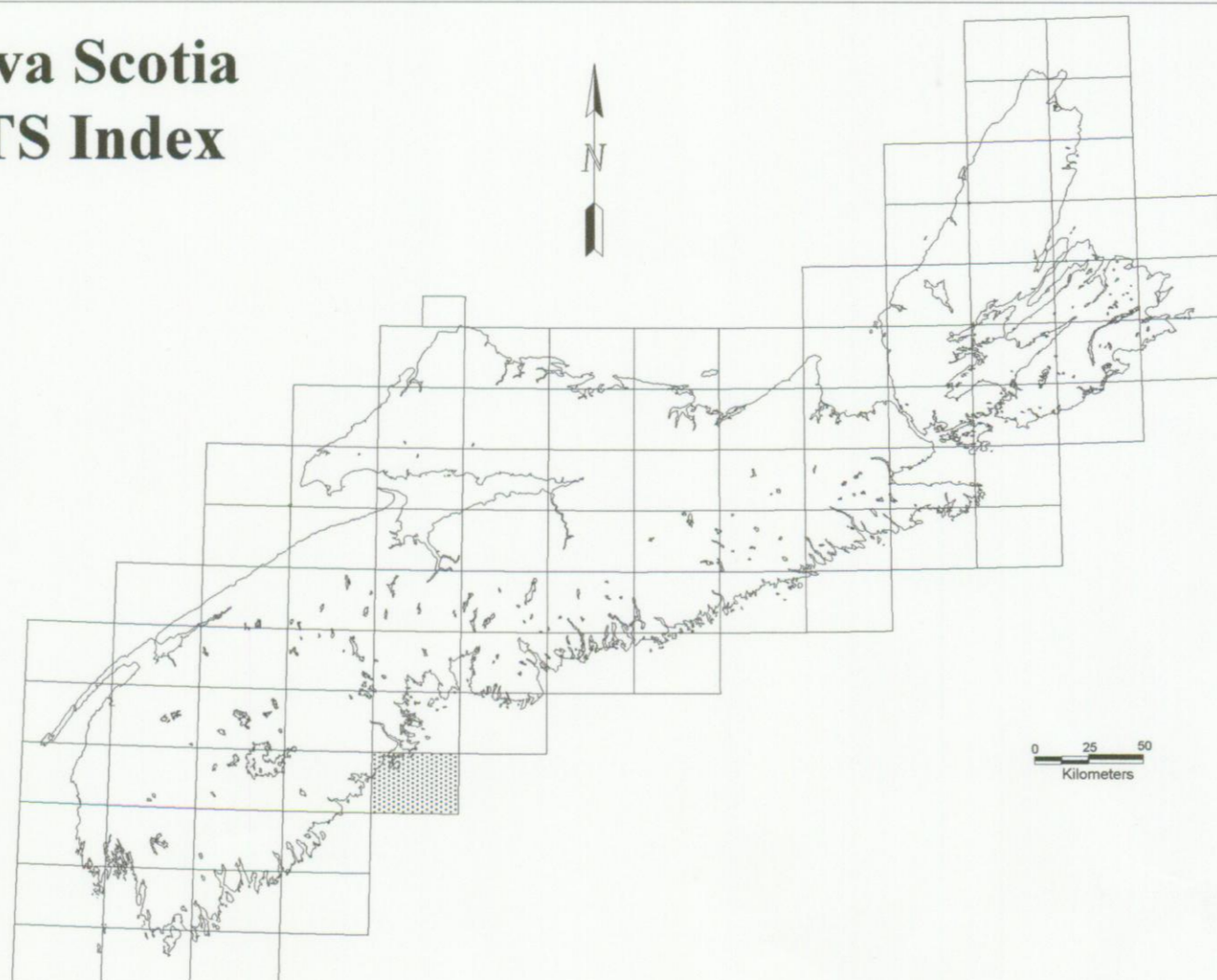
The shaded relief layer was created by applying a pseudo-light source to the gridded data. In this case the data was illuminated from the north (0 degrees) at 40 degrees above the horizontal. A vertical exaggeration of 500,000 was applied to the data.

Base map information is derived from National Topographic System (NTS NAD27) 1:50 000 map series, Natural Resources Canada, 1977-81.

Digital files were provided by the Nova Scotia Department of Housing and Municipal Affairs, Nova Scotia Geomatics Center.

**Recommended Citation:**  
M.S. King 1997: Meguma Terrane Enhanced (Second Vertical Derivative) Aeromagnetic Digital Data, NTS Map Sheet 21A/01, LaHave Islands, Lunenburg County, Nova Scotia, Nova Scotia Department of Natural Resources, Minerals and Energy Branch, Open File Map 97-022, scale 1:50 000.

### Nova Scotia NTS Index



Nova Scotia Department of Natural Resources  
Minerals and Energy Branch  
Open File Map 97-022  
Meguma Terrane, Enhanced (Second Vertical Derivative)  
Aeromagnetic Digital Data  
for NTS 21A/01, LaHave Islands  
Lunenburg County  
Nova Scotia

M. S. King, P.Geo.

Nova Scotia Department of Natural Resources  
Halifax, Nova Scotia  
1997

Canada - Nova Scotia  
Cooperation Agreement on Mineral Development  
1992-1996

