

**Descriptive Text**

In 1998 the Nova Scotia Department of Natural Resources initiated a program of geological mapping of the Meguma Terrane of southwestern Nova Scotia. The principal objective was to produce a series of 25 maps showing the geological bedrock maps of the area, to describe and interpret the sedimentary, igneous, metamorphic and deformational history of the Cambrian to Early Devonian meguma Terrane, and to delineate areas of economic potential. This map represents the twenty-third in a series of 25 maps highlighting the bedrock geology of southwestern Nova Scotia.

These new maps, compared with previous geological, geochronological, petrological and isotope data (White, 2010; White and Barr, 2010), have highlighted the need to produce a new stratigraphic paradigm together with the 1:50 000 scale geological maps for the Meguma Terrane.

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. This map is intended for use at the published scale of 1:50 000.

Map Notes

GIS databases, cartography and reproduction by Angie Ehler, Brian Fisher and Jeff McKinnon of the Nova Scotia Department of Natural Resources, Geoscience Program. Data were collected between 2003-2012. The GIS databases and map were developed using ArcGIS 9.3.

Universal Transverse Mercator Projection (UTM), Zone 20, Central Meridian 65°30' West.

North American Datum (NAD) 1983 Canadian Spatial Reference System (CSRS) 98.

Base and digital data derived from the Nova Scotia Topographic Database (NSTDB). Copyright Her Majesty the Queen in Right of the Province of Nova Scotia. © 2012 Nova Scotia Department of Natural Resources and Municipal Relations (NSMR), Land Information Services Division (LIS), Nova Scotia Geomatics Centre (NSGC), Amherst, Nova Scotia.

Shaded relief image derived from a 25 m Digital Elevation Model of the Province of Nova Scotia, DTP ME 56, version 2, 2006. Azimuth of 0°, sun angle of 45° and vertical exaggeration of 5.

Map area

Current extent

NTS map sheets

**Nova Scotia Department of Natural Resources
Mineral Resources Branch**

Open File Map ME 2012-099

Bedrock Geology Map of the Cape Sable Island Area, NTS Sheet 200/08, Yarmouth County, Nova Scotia

C. E. White

Scale 1:50 000

1 km

0 100 200 km

Halifax, Nova Scotia
2012

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Acknowledgments

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White, C. E. 2010. Stratigraphy of the lower Paleozoic Sodalis and Halifax groups in southwestern Nova Scotia. *Geology*, v. 38, p. 136–140.

White, C. E. and Barr, S. M. 2010. Lithochronology of the lower Paleozoic Geological and Halifax groups, southwestern Nova Scotia: Canada implications for stratigraphy, provenance, and tectonic setting of the Meguma Terrane; in P. R. Tolosa, M. Barrera, and J. P. Hibbard, eds., M. Karabinis, Geological Society of America, Memoir 206, p. 347–365.

Selected References (continued)

White, C. E. 2010. Stratigraphy of the lower Paleozoic Sodalis and Halifax groups in southwestern Nova Scotia. *Geology*, v. 38, p. 136–140.

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Recommended Citation

White, C. E. 2012. Bedrock geology map of the Cape Sable Island area, NTS sheet 200/08, Yarmouth County, Nova Scotia. Nova Scotia Department of Natural Resources, Land Information Services Division (LIS), Nova Scotia Geomatics Centre (NSGC), Amherst, Nova Scotia.

Selected References

Fisher, B. E. 2006. Nova Scotia drillholes database; Nova Scotia Department of Natural Resources, Digital Product ME 3. <http://www.gov.ns.ca/gtrm/downloaded/d0003.asp> [ISBN:185305].

Fisher, B. E. unpublished. Nova Scotia historical gold district boundaries; Nova Scotia Department of Natural Resources, Digital Product ME 34.

O'Reilly, G. A., DeMont, G. J., Fisher, B. E. and Poole, J. C. 2009. Nova Scotia mineral occurrences database; Nova Scotia Department of Natural Resources, Digital Product ME 2. <http://www.gov.ns.ca/gtrm/downloaded/d002.asp> [ISBN:18752].

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