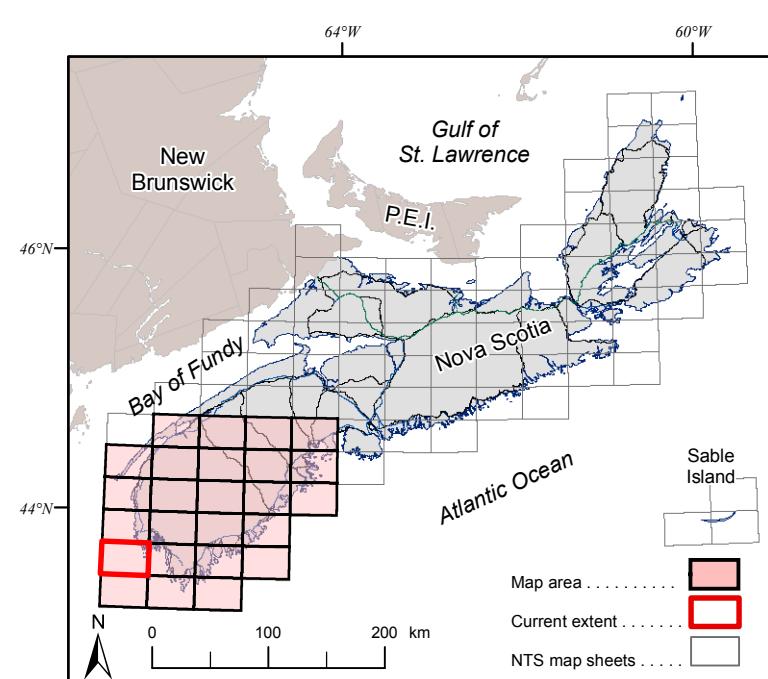


* Note: Compiled symbols list for Open File Maps ME 2012-077 to 2012-101. All symbols may not appear on each map.

** References for Selected Radometric Age Dates

[19] Pe-Piper, G. and Reynolds, P. H. 2000: Early Mesozoic alkaline mafic dykes, southwestern Nova Scotia, Canada, and their bearing on Triassic-Jurassic magnetism; The Canadian Mineralogist, v. 38, p. 217-232.



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 detailed geological map of the bedrock geology, metamorphic and deformational history of the Cambrian to Early Devonian megamylonites and to delineate areas of economic potential. This map represents the nineteenth in a series of 25 maps highlighting the bedrock geology of southwestern Nova Scotia.

These new maps, combined 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 Division. Digital elevation model (DEM) data from Nova Scotia and the use of samples and unpublished information. Summer student N. MacLean contributed to the mapping on this sheet. T. Lenfesty and J. Brenton are thanked for their help in the departmental library. Map was critically reviewed by S. Barr.

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

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

Base map and digital data derived from the Nova Scotia Topographic Database (NSTDB). Copyright Her Majesty the Queen in Right of the Province of Nova Scotia. © 2010 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, DP ME 56, version 2, 2006. Azimuth of 0°, sun angle of 45° and vertical exaggeration of 5.

Nova Scotia Department of Natural Resources Mineral Resources Branch

Open File Map ME 2012-095

Bedrock Geology Map of the Comeau Hill Area, NTS Sheet 200/09, Yarmouth County, Nova Scotia

C. E. White

Scale 1:50 000

1 km
0 100 200 km
Map area
Current extent
NTS map sheets

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Acknowledgments

O'Reilly, G. A., Delaney, G. J., Fisher, B. E. and White, C. E. 2009: Nova Scotia's geological diversity: A review of the bedrock geology and mineral resources of Nova Scotia. Nova Scotia Department of Natural Resources, Digital Product ME 2; <http://www.gov.ns.ca/nr/minerals/download/dp002.asp> [ISN:18752].

White, C. E. 2010: Stratigraphy of the lower Paleozoic Goldenville and Halifax groups in southwestern Nova Scotia, Atlantic Geology, v. 46, p. 136-154.

White, C. E. and Barr, S. M. 2010: Geometrical geometry and local Paleozoic geological evolution of the Meguma Terrane in South-Central Nova Scotia: implications for stratigraphy, provenance, and tectonic setting of the Meguma Terrane. In: From Rodinia to Pangaea: the Lithotectonic Record of the Appalachian Region, ed. by G. R. Johnson and S. M. White, Geological Society of America, Special Paper 490, Geological Society of America, Memoir 206, p. 347-369.

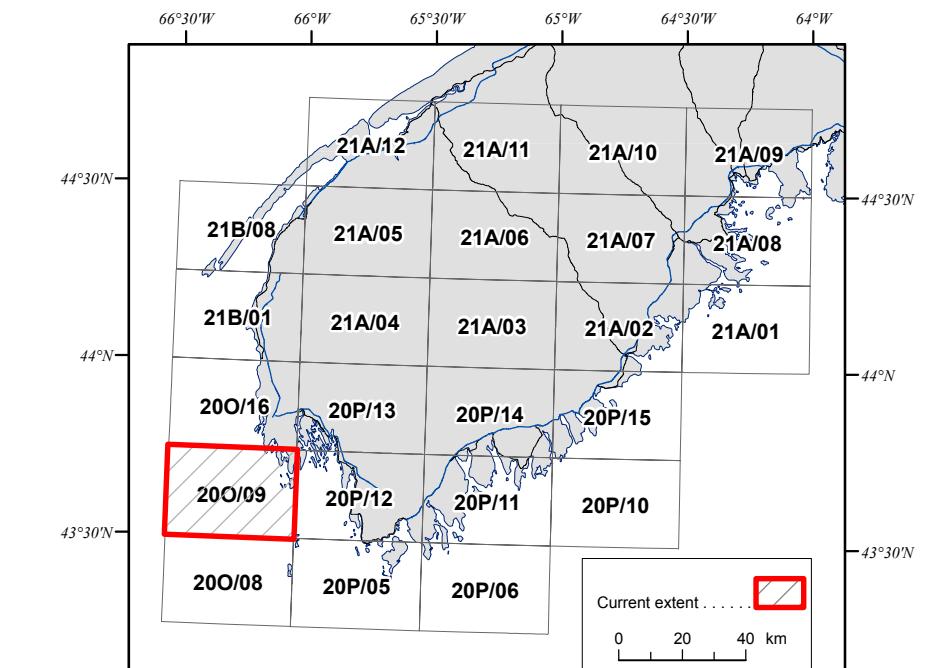
* Internal Search Number (ISN) is a unique identifier used in NovaScotia - the Nova Scotia Geoscience Maps and Publications Database. The ISN can be used to retrieve a digital version of the listed citation: <http://www.gov.ns.ca/nr/minerals/default.asp>

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/nr/minerals/default.asp> [ISN:18539].

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Hwang, S. 1985: Geology and structure of the Yarmouth area, southwestern Nova Scotia, unpublished M.Sc. thesis, Acadia University, Wolfville, Nova Scotia, 237 p.



Open File Map ME 2012-095

Oct 10, 2012