

Legend Key

Code	Unit label	Unit name
DC	ECWcc	Carrolls Corner Formation

Unit Terrane or Assemblage Code:
 DC - Late Devonian, Carboniferous & Mesozoic
 AT - Aspy Terrane
 BT - Bras d'Or Terrane
 MT - Mira Terrane
 BR - Bear River Inlier
 CP - Cape Porcupine Complex

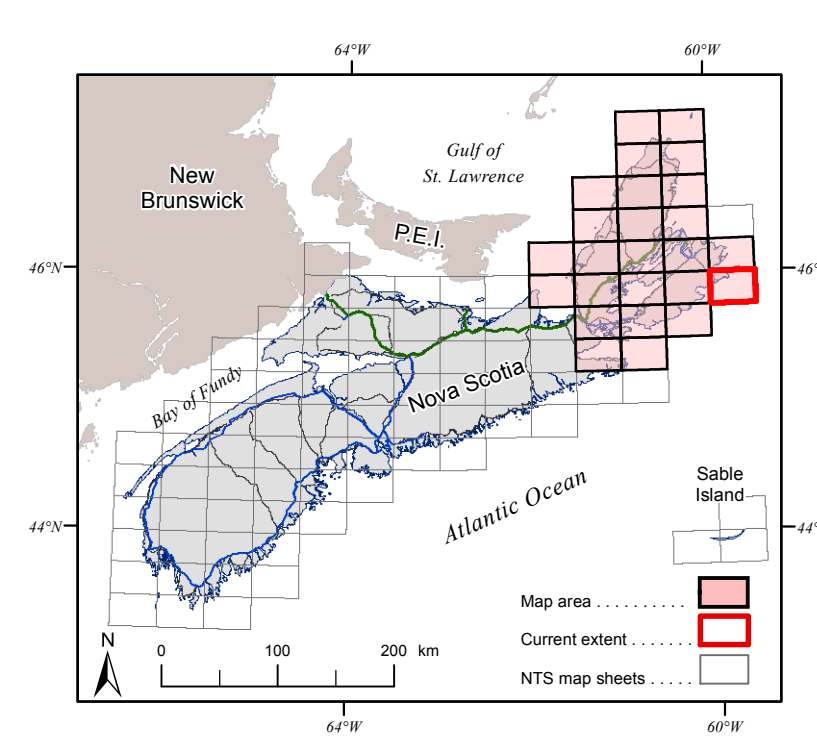
- DC - ECWust - Uist Formation
- MT - LEB - Baleine Gabbro
- MT - LEMDsc - Savage Cove Formation
- MT - LEMDtr - Ragged Rocks Cove Formation
- MT - LEMDbp - Battery Point Formation
- MT - LEMDcp - Convict Point Formation
- MT - LEMDkc - Kelpy Cove Formation
- MT - LEMDsb - School Brook Formation
- MT - LEMDbl - Big Lorraine Harbour Formation
- MT - LEMDgc - Gooseberry Cove Formation
- MT - MEbr - Blackrock Point gabbro
- MT - MEFg - Gabarus Formation
- MT - MEFjl - Johnson Lake Formation
- MT - MEFkc - Kennington Cove Formation

* Note: For full unit description and terrane information, please refer to the detailed legend for the Cape Breton Compilation Project - Open File Illustration ME 2017-001

Symbols**

Outcrop, float	Rock in water
Drillhole (after O'Neill et al., 2016)	Trans Canada highway
Mineral occurrence (modified after O'Reilly et al., 2016)	Highway
Arterial highway (CT = Cabot Trail Hwy 30)	Collector highway
Local road	Seasonal, restricted or private road
Trail, track	Railway (active, inactive)
River, stream	Boundary (county, inter-provincial)
Transmission line	Cape Breton Highlands National Park
Wetlands	Dam
Lake, ocean	

** Note: Compiled symbols list for Open File Maps ME 2017-007 to 2017-031. All symbols may not appear on each map.



Map Notes

GIS databases, cartography and reproduction by Angie Barras, David Haggood and Jeff McKinnon of the Nova Scotia Department of Natural Resources, Geoscience Information Services Section, 2012-2017. The GIS databases and map were developed using ArcGIS® 10.2.2.

Universal Transverse Mercator Projection (UTM), Zone 20, Central Meridian 63°00' 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. The NSTDB is available from the Department of Internal Services, 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 36, version 2, 2006. Azimuth of 315°, sun angle of 45° and a vertical exaggeration of 5.

In compiling the maps and legend, unit names and ages were taken mainly from the source references, with no attempt to reconcile that information across Cape Breton Island, to remove duplicate names, or to re-interpret areas of geological inconsistencies that are not the work of the compilers.

Acknowledgments

Most of the geological information on this map sheet was compiled from work by Barr et al. (1989, 1996). Full reference information for those publications, as well as others used in map compilation, is available in the accompanying open file report. Karen Johnston, Dallas MacIsaac and Christa Pufahl did much of the digitizing of original field locations from 1:10 000 scale orthophoto base maps. We thank Angie Barras, David Haggood and Jeff McKinnon for their help in producing these maps and the associated database. Sandra Barr acknowledges the long-term support of the Natural Sciences and Engineering Research Council of Canada and her employer, Acadia University. We thank Rob Raeside for reviewing the maps and providing many helpful comments.

Nova Scotia Department of Natural Resources
 Geoscience and Mines Branch
 Open File Map ME 2017-016

**Bedrock Geology Map of the
 Louisbourg Area, NTS 11G/13,
 Cape Breton County, Nova Scotia**

Compiled by
S. M. Barr and C. E. White

Scale 1:50 000
 Halifax, Nova Scotia
 2017

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Recommended Citation

Barr, S. M. and White, C. E., 2017. Bedrock geology map of the Louisbourg area, NTS 11G/13, Cape Breton County, Nova Scotia. Nova Scotia Department of Natural Resources, Geoscience and Mines Branch, Open File Map ME 2017-016, scale 1:50 000.

Disclaimer

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.

Selected References

For a complete list of references please refer to Open File Report ME 2017-002.

Barr, S. M. and White, C. E., 2017. List of compilation sources for bedrock geology maps of Cape Breton Island, Nova Scotia (Open File Maps ME 2017-006 to 2017-031). Nova Scotia Department of Natural Resources, Open File Report ME 2017-002, 7 p.

Herrick, E. W. and Calder, J. H., 2017. Nova Scotia Coal Database, Nova Scotia Department of Natural Resources, Digital Product ME 120, unpublished.

O'Neill, M. J. and Poole, J. C., 2016. Nova Scotia drillhole database: Nova Scotia Department of Natural Resources, Digital Product ME 3, version 5. <http://www.gov.ns.ca/natr/mdb/downloaddp003.asp> [ISBN:185557].

O'Reilly, G. A., DeMont, G. J., Fisher, B. E. and Poole, J. C., 2016. Nova Scotia mineral occurrence database: Nova Scotia Department of Natural Resources, Digital Product ME 2, Version 11. <http://novascotia.ca/natr/mdb/downloaddp002.asp> [ISBN:18752].

¹ Internal Search Number (ISN) is a unique identifier used in Nova Scotia - the Nova Scotia Geoscience Maps and Publications Database. The ISN can be used to retrieve a digital version of the based citation. <http://novascotia.ca/natr/>

