

LEGEND*

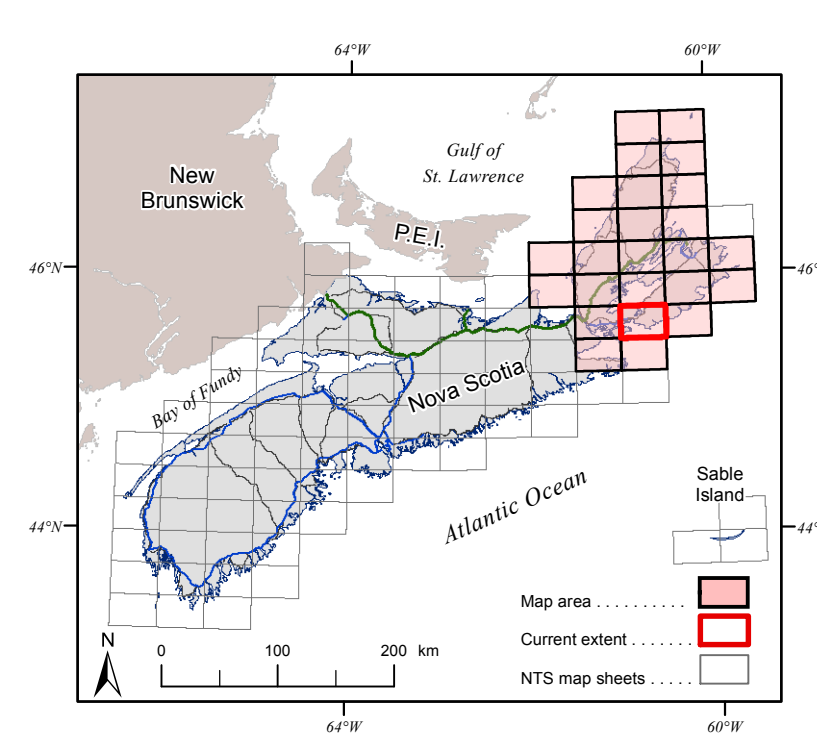
Code	Unit label	Unit name	Unit Terrane or Assemblage Code:
DC	ECWcc	Carrolls Corner Formation	DC - Late Devonian, Carboniferous & Mesozoic
DC	LCCPH-c	Collindale Member	AT - Aspy Terrane
DC	LCCPH-m	Margaree Member	BT - Bras d'Or Terrane
DC	LCCPH-bb	Emery Brook Member	MT - Mars Terrane
DC	MCMu	Mabou Group (undivided)	BR - Bear River Inlier
DC	MCMp	Pomquet Formation	CP - Cape Porcupine Complex
DC	MCMh	Hastings Formation	
DC	ECWh	Hood Island Formation	
DC	ECWm	Lower Middle Windsor Group (undivided)	
DC	ECWl	Sydney River Formation	
DC	ECWim	Isle Madame Formation	
DC	ECWc	Carrolls Corner Formation	
DC	ECWm	Macumber Formation	
DC	ECsp	St. Peters gabbro	
DC	ECM	Caledonia Mills Formation	
DC	ECM	Tracadie Road Formation (undivided)	
DC	ECM	Lincolnton Member	
DC	ECM	Grand Greve Member	
DC	ECM	Creignish Formation	
DC	ECM	Goose Harbour Lake Member	
DC	ECM	Englands Lake Member	
DC	ECM	L'Ardoise Member	
DC	MDls	Lower St. Esprit Pluton	
DC	MDcf	Chedabucto Fault Complex	
MT	ECMRc	MacCordum Formation	
MT	ECMRl	Sgdan Lake Formation	
MT	LEKl	Kelvin Lake Formation	
MT	MEC	Capelin Cove Pluton	
MT	MEgr	Grand River Pluton	
MT	MEFh	bottle Head Formation	
MT	MEFf	Framboise Formation	
MT	EEcb	Chisholm Brook Plutonic Suite - diorite	
MT	EEcbg	Chisholm Brook Plutonic Suite - granodiorite	
MT	EEsmg	Sporting Mountain Pluton - granodiorite	
MT	EEsmg	Sporting Mountain Pluton - sheared granitic and volcanic rocks	
MT	EEBr	Rear Irish Cove Formation	
MT	EEPm	Pringle Mountain Group (undivided)	
MT	EEsb	stirling Belt Gabbro	
MT	EEsbp	stirling Belt mafic Pophyry	
MT	LCSb	Barren Hill Lake Formation	
MT	LCSm	Rory Mells Lake Formation	
MT	LCSmb	Macdonald Lake Formation	
MT	LCSg	Graciville Formation	
MT	LCSwb	West Branch Marie Joseph Brook Formation	
MT	LCSml	MacKillops Lake Formation	
MT	LCSmb	MacCormacks Brook 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'Neill et al. 2016)	Highway
Highway	Arterial highway (CT = Cabot Trail Hwy 30)
Collector highway	Collector highway
Local road	Local road
Seasonal, restricted or private road	Seasonal, restricted or private road
Trail, track	Trail, track
Railway (active, inactive)	Railway (active, inactive)
River, stream	River, stream
Boundary (county, inter-provincial)	Boundary (county, inter-provincial)
Transmission line	Transmission line
Cape Breton Highlands National Park	Cape Breton Highlands National Park
Wetlands	Wetlands
Dam	Dam
Lake, ocean	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. (1988, 1993, 1996), Boehmer and Prime (1995), Sexton (1988) and White and Barr (1998b). 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 1:50,000 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 Rassias for reviewing the maps and providing many helpful comments.

Nova Scotia Department of Natural Resources
Geoscience and Mines Branch
Open File Map ME 2017-010

**Bedrock Geology Map of the
St. Peter's Area, NTS 11F/10,
Richmond 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 St. Peter's area, NTS 11F/10, Richmond County, Nova Scotia. Nova Scotia Department of Natural Resources, Geoscience and Mines Branch, Open File Map ME 2017-010, 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.

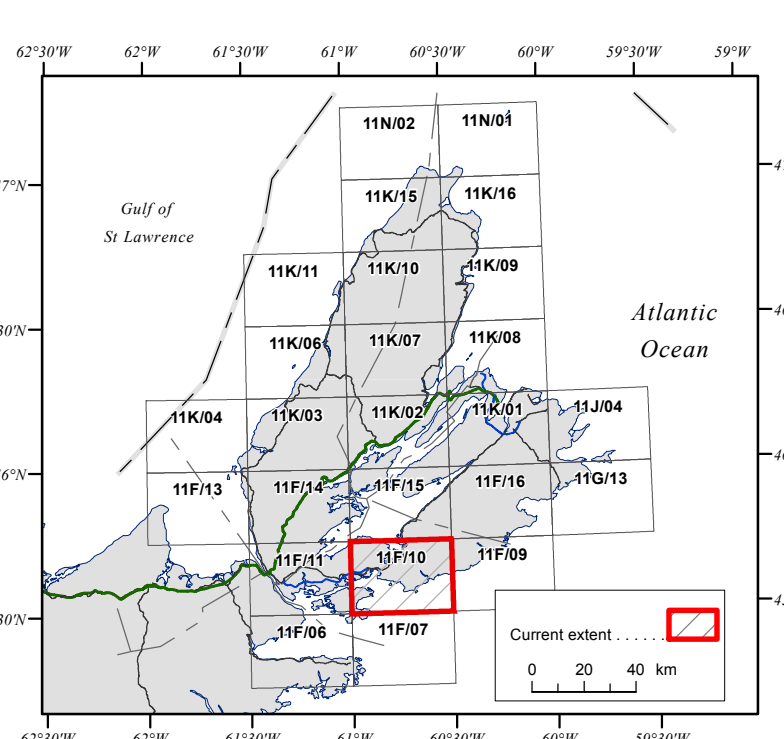
Barr, S. M. and White, C. E. 2017. List of compilation sources for bedrock geology maps of Cape Breton Island, Nova Scotia (Open File Maps ME 2017-006 to 2017-031). Nova Scotia Department of Natural Resources, Open File Report ME 2017-002, 7 p.

Hennick, 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/meb/download/dp003.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/meb/download/dp002.asp> [ISBN:18752].

† Internet 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 listed citation. <http://novascotia.ca/natr/>



NOVA SCOTIA

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