

LEGEND*

Code	Unit label	Unit name	Unit Terrane or Assemblage Code:
DC	ECWcc	Carrolls Corner Formation	DC - Late Devonian, Carboniferous & Mesozoic
DC	LCCsm	Sydney Mines Formation	AT - Aspy Terrane
DC	LCCwc	Waddens Cove Formation	BT - Bras d'Or Terrane
DC	LCCsb	South Bar Formation	MT - Mira Terrane
DC	ECWust	Uist Formation	BR - Bear River Inlier
MT	MCMRtb	Trout Brook Formation	CP - Cape Porcupine Complex
MT	ECMRcb	Canoe Brook Formation	
MT	ECMRbr	Bengal Road Formation	
MT	LEMdsi	Scatarie Island Formation	
MT	LEMdnw	Northwest Cove Formation	
MT	LEMdsc	Savage Cove Formation	
MT	LEMdrt	Ragged Rocks Cove Formation	
MT	LEMdbp	Battery Point Formation	

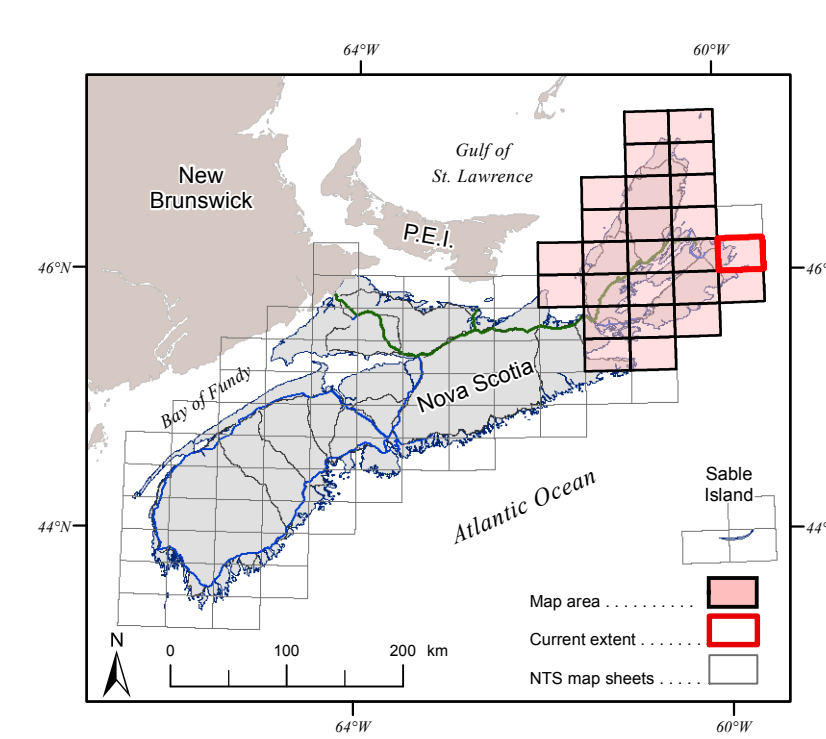
- DC - LCCsm - Sydney Mines Formation
- DC - LCCwc - Waddens Cove Formation
- DC - LCCsb - South Bar Formation
- DC - ECWust - Uist Formation
- MT - MCMRtb - Trout Brook Formation
- MT - ECMRcb - Canoe Brook Formation
- MT - ECMRbr - Bengal Road Formation
- MT - LEMdsi - Scatarie Island Formation
- MT - LEMdnw - Northwest Cove Formation
- MT - LEMdsc - Savage Cove Formation
- MT - LEMdrt - Ragged Rocks Cove Formation
- MT - LEMdbp - Battery Point 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	Local road
Seasonal, restricted or private road	Trail, track
Bedding: tops known (inclined, vertical, overturned)	Railway (active, inactive)
Bedding: tops unknown (inclined, vertical)	River, stream
Fold axis (see style unknown, s 661, 2 f44)	Boundary (county, inter-provincial)
Foliation (inclined, vertical)	Transmission line
Intersection lineation	Cape Breton Highlands National Park
Geological contact	Wetlands
Fault	Dam
Thrust fault	Lake, ocean
Major coal seam (after Henwick and Calder, 2017)	
Area of concentrated drilling	

** 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. (1996) and Boettner and Giles (1986). 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 Raesside for reviewing the maps and providing many helpful comments.

Nova Scotia Department of Natural Resources
Geoscience and Mines Branch
Open File Map ME 2017-021

Bedrock Geology Map of the Glace Bay Area, NTS 11J/04, 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 Glace Bay area, NTS 11J/04, Cape Breton County, Nova Scotia. Nova Scotia Department of Natural Resources, Geoscience and Mines Branch, Open File Map ME 2017-021, scale 1:50 000.

Disclaimer

The information on this map may have come from a variety of government and non-government 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.

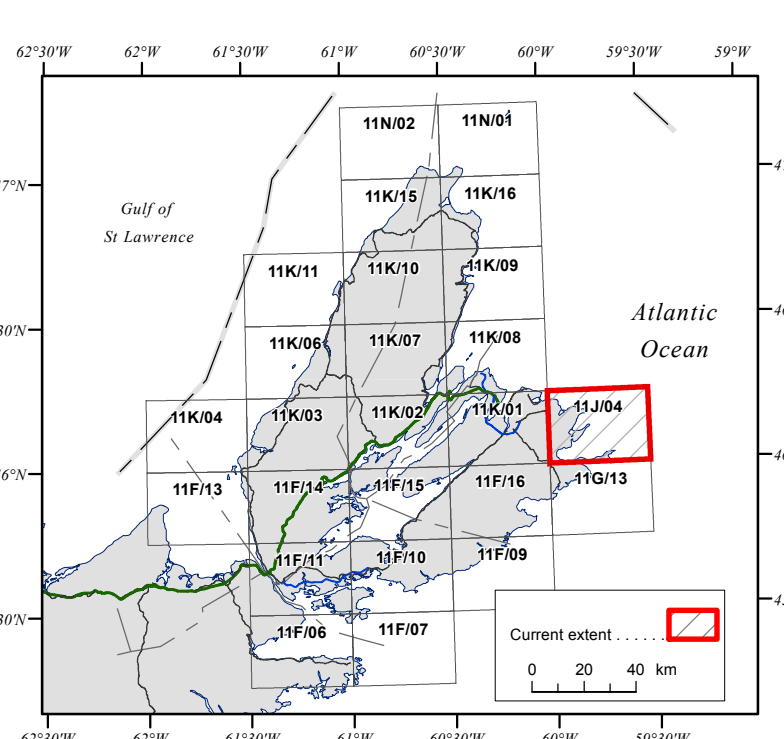
Barr, S. M. and White, C. E. 2017. List of compilation sources for bedrock geology maps of Cape Breton Island, Nova Scotia (Open File Maps ME 2017-006 to 2017-031). Nova Scotia Department of Natural Resources, Open File Report ME 2017-002, 7 p.

Henwick, 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/nat/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/nat/mdb/downloaddp002.asp> [ISBN:18752].

† 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 base data set. <http://novascotia.ca/nat/mdb/>



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