

**LEGEND\***

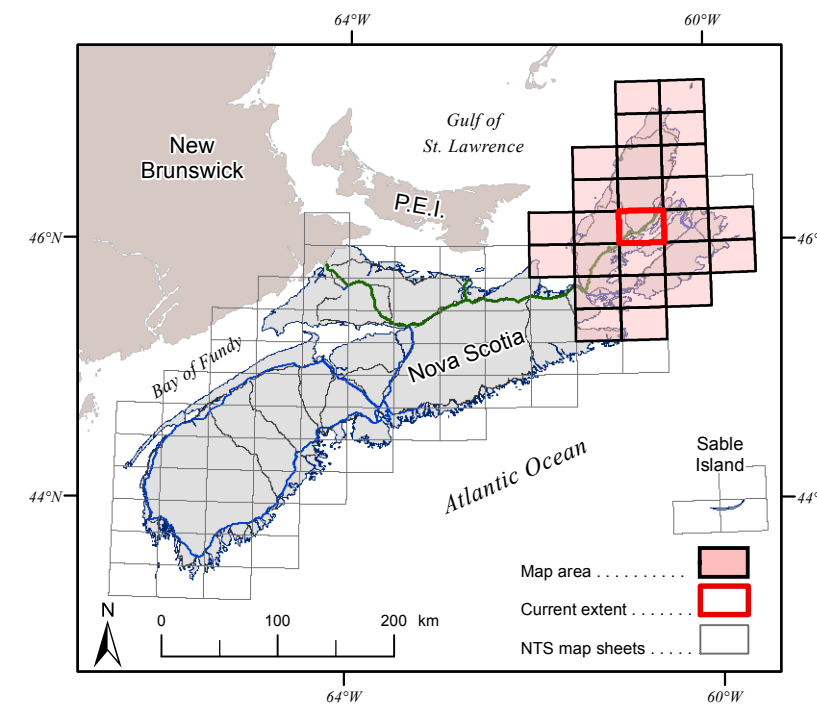
Code	Unit name	Unit name	Unit name
DC - LCCab	South Bar Formation	BT - MLCmt	Macmillan Formation
DC - MCkpe	Point Edward Formation	BT - MLCBg	Gregwa Formation
DC - MCkmu	Upper Mabou Group (undivided)	BT - MLCBod	Dugald Formation
DC - MCkml	Lower Mabou Group (undivided)	BT - MLCBse	Eskasoni Formation
DC - ECWu	Windsor Group (undivided)	BT - Eab	Adelaide Brook Leucotonalite
DC - ECWhi	Hood Island Formation	BT - Ebr	Baddeck River Granodiorite
DC - ECWwr	Woodbine Road Formation	BT - Ebb	Beinn Breagh Granodiorite
DC - ECWm	Meadows Road Formation	BT - Ebh	Big Hill Granodiorite
DC - ECWm	Lower Middle Windsor Group (undivided)	BT - Ebbh	Boisdale Hills Pluton - biotite-hornblende granodiorite
DC - ECWm	Macumber Formation	BT - Ebbd	Boisdale Hills Pluton - diorite
DC - EChu	Horton Group (undivided)	BT - Eb	Bucklaw Pluton
DC - ECha	Ainslie Formation	BT - Ego	Goose Cove Brook Granodiorite
DC - ECChc	Strathome Formation	BT - Egdg	Grass Cove Pluton
DC - ECChc	Creignish Formation	BT - Ekr	Kathy Road Dioritic suite
DC - ECChg	Grantville Formation	BT - Ekm	Kellys Mountain Diorite
DC - LDfbu	Fisset Brook Formation (undivided)	BT - Eng	New Glen Granite
AT - LDfbbm	bothan Brook Pluton	BT - Ebn	North Branch Baddeck River Leucotonalite
AT - LDgms	Gillanders Mountain Pluton - syenogranite	BT - Esmg	Shunacadie Pluton - monzogranite
AT - LDm	Macmillan Mountain volcanic suite	BT - Esgd	Shunacadie Pluton - granodiorite
AT - EDim	Leonard MacLeod Brook Metamorphic Suite	BT - Esc	Snake Cat Lake Granodiorite
AT - SDeb	Easach Ban Complex	BT - Ew	Washabuck Pluton
AT - SDgb	Gillis Brook diorite	BT - nPGRar	Aberdeen Ridge Formation
AT - SDld	Lake Ainslie Pluton - diorite	BT - nPGRbr	Barachois River Formation
AT - Sdms	Sarah Brook Metamorphic Suite	BT - nPGRbb	Benacadie Brook Formation
AT - OSmb	MacRae Brook Formation	BT - nPGRgl	Glen Tash Formation
AT - nPSGMu	Gillanders Mountain Metamorphic Suite (undivided)	BT - nPGRhm	Maskell Harbour Formation
AT - nPSGMm	Egypt Mountain Road Formation	BT - nPGRfmc	McMillan Flowage Formation - middle clastic member
AT - nPSGMab	Salt Brook Formation	BT - nPGRfmg	McMillan Flowage Formation - quartzite member
BT - Dw	Whyocomaugh Mountain Pluton	BT - nPGRfnc	McMillan Flowage Formation - tower clastic member
BT - MLCkmg	Kellys Mountain Granite - monzogranite	BT - nPBDV	Frenchville Road Metamorphic Suite
BT - MLCa	St. Ann's Leucogranite	BT - nPBDm	Kellys Mountain Gneiss
BT - MLCm	Macell Formation		

\* Note: For full unit description and terrane information, please refer to the detailed legend for the Cape Breton Completion 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)	Artificial highway (CT = Cabot Trail Hwy 303)
Highway	Collector highway
Local road	Seasonal, restricted or private road
Trail, track	Railway (active, inactive)
Bedding: tops known (indicated, vertical, overturned)	River, stream
Bedding: tops unknown (indicated, vertical)	Boundary (county, inter-provincial)
Fold axis (see style unknown, s. 661, 2. 640)	Transmission line
Foliation (indicated, vertical)	Geological contact
Intersection lineation	Wetlands
Mineral lineation	Dam
Fault	Lake, ocean
Thrust fault	
Major coal seam (after Henrick 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 and Setter (1986a, b), Barr et al. (1992), Farrow (1989), Ham (1997), Horne (1993), Jamieson and Doucet (1983), Lynch and Lafrance (1996), Lynch et al. (1993, 1995), O'Neill (1996), Wasyluk (2004), Wasyluk et al. (2005), White and Barr (1996a) and White et al. (1994). Full reference information for those publications, as well as others used in map compilation, is available in the accompanying open file report. Karen Johnson, Dallas MacIsaac and Christa Puhani 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 Radeski for reviewing the maps and providing many helpful comments.

Nova Scotia Department of Natural Resources  
Geoscience and Mines Branch  
Open File Map ME 2017-019

**Bedrock Geology Map of the  
Baddeck Area, NTS 11K/02,  
Cape Breton, Inverness and  
Victoria Counties, 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 Baddeck area, NTS 11K/02, Cape Breton, Inverness and Victoria Counties, Nova Scotia, Nova Scotia Department of Natural Resources, Geoscience and Mines Branch, Open File Map ME 2017-019, 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.

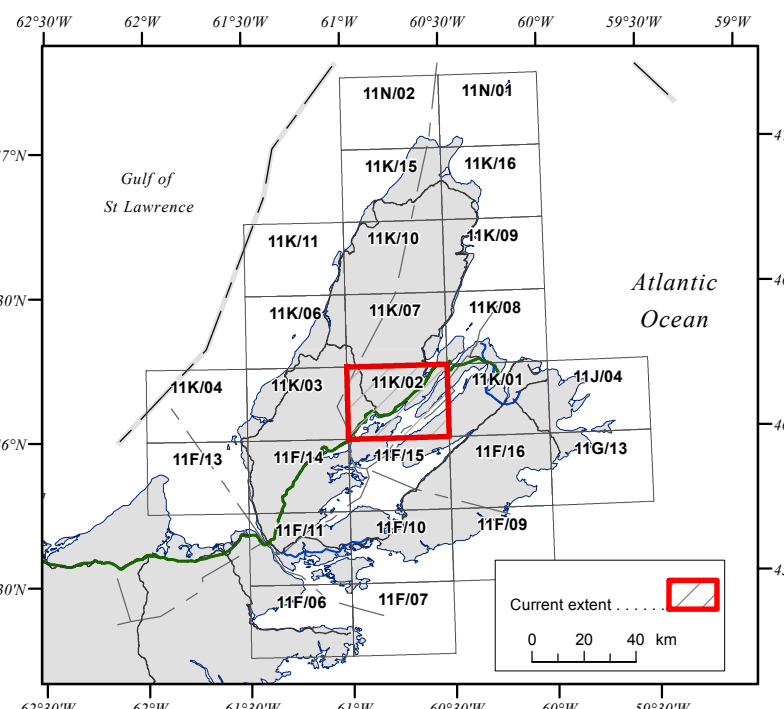
Barr, S. M. and White, C. E., 2017. List of compilation sources for bedrock geology maps of Cape Breton Island, Nova Scotia (Open File Maps ME 2017-006 to 2017-031). Nova Scotia Department of Natural Resources, Open File Report ME 2017-002, 7 p.

Henrick, 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/nr/nrb/download/dp003.asp> [ISBN:18555].

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/nr/nrb/download/dp002.asp> [ISBN:18752].

Internal Search Number (ISN) is a unique identifier used in Nova Scotia's Geoscience Maps and Publications Database. The ISN can be used to retrieve a digital version of the base data. <http://novascotia.ca/nr/nrb/>



**NOVA SCOTIA**

Open File Map ME 2017-019  
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