

**LEGEND\***

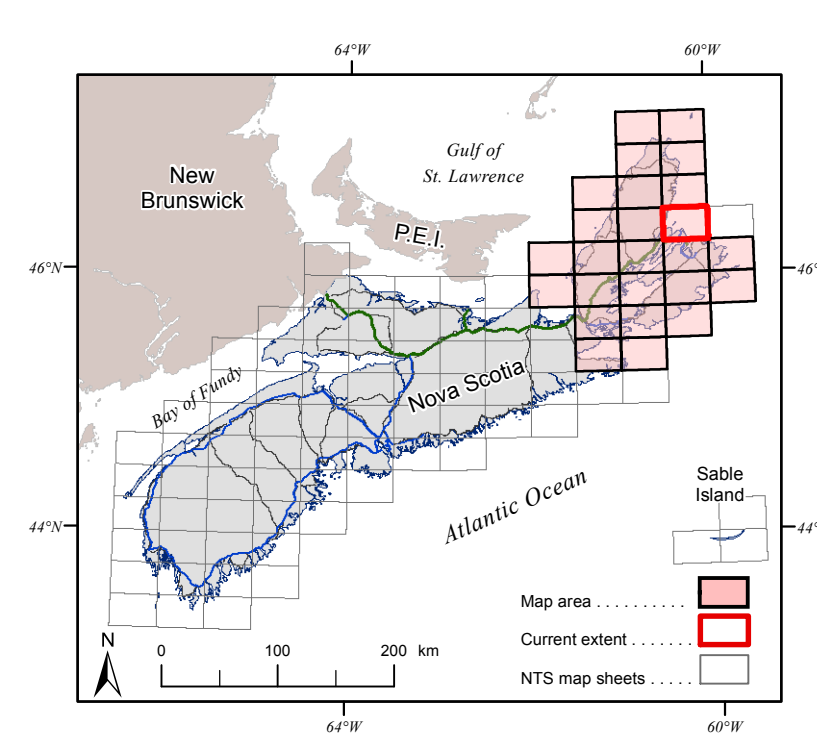
Code	Unit label	Unit name	Unit Terrane or Assemblage Code:
DC - LCCu	Cumberland Group (undivided)		DC - Late Devonian, Carboniferous & Mesozoic
DC - LCCsm	Sydney Mines Formation		AT - Aspy Terrane
DC - LCCsb	South Bar Formation		BT - Bras d'Or Terrane
DC - MCMcd	Cape Dauphin Formation		MT - Mira Terrane
DC - ECWu	Windsor Group (undivided)		BR - Bear River Inlier
DC - ECWw	Woodbine Road Formation		CP - Cape Porcupine Complex
DC - ECWmr	Meadows Road Formation		
DC - ECWlm	Lower Middle Windsor Group (undivided)		
DC - ECWm	Macumber Formation		
DC - ECHg	Grantmine Formation		
BT - MCKmmg	Kellys Mountain Granite - monzogranite		
BT - Ebp	Birch Plain Granite		
BT - Eib	Indian Brook Granodiorite		
BT - Ekm	Kellys Mountain Diorite		
BT - Ewc	Wreck Cove Dioritic Suite		
BT - nPGRbb	Benacadie Brook Formation		
BT - nPBdkm	Kellys Mountain Gneiss		

\* 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
Arterial highway (CT = Cabot Trail Hwy 30)	Collector highway
Local road	Seasonal, restricted or private road
Trail, track	Railway (active, inactive)
Bedding: tops known (inclined, vertical, overturned)	River, stream
Bedding: tops unknown (inclined, vertical)	Boundary (county, inter-provincial)
Fold axis (see style unknown, s 661, z 648)	Transmission line
Foliation (inclined, vertical)	Cape Breton Highlands National Park
Intersection lineation	Wetlands
Geological contact	Dam
Fault	Lake, ocean
Thrust fault	
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. (1982, 1992) and Bohner and Giles (1988). 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 2017-024

### Bedrock Geology Map of the Bras d'Or Area, NTS 11K/08, Cape Breton 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 Bras d'Or area, NTS 11K/08, Cape Breton and Victoria Counties, Nova Scotia. Nova Scotia Department of Natural Resources, Geoscience and Mines Branch, Open File Map ME 2017-024, 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.

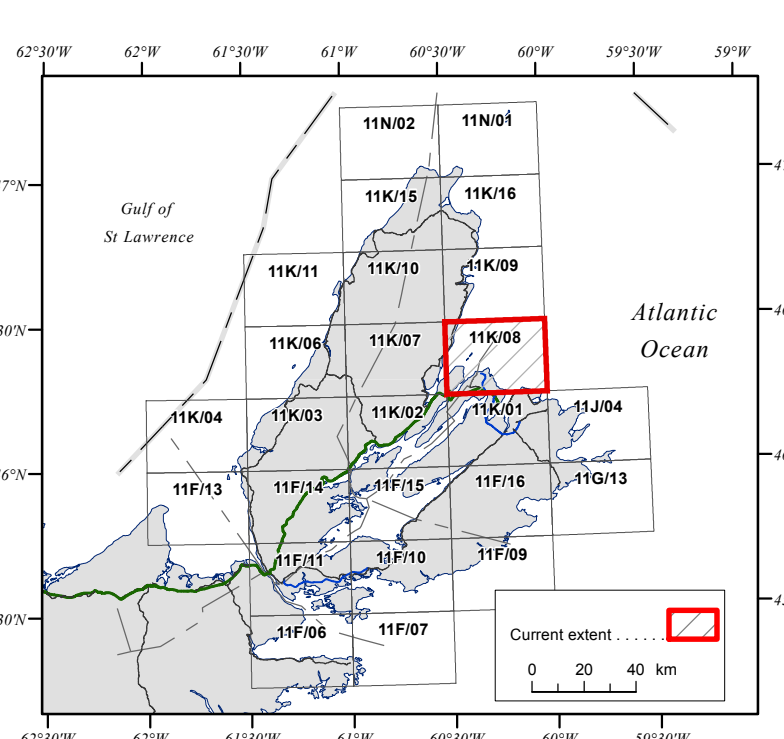
Barr, S. M. and White, C. E., 2017. List of compilation sources for bedrock geology maps of Cape Breton Island, Nova Scotia (Open File Maps ME 2017-006 to 2017-031). Nova Scotia Department of Natural Resources, Open File Report ME 2017-002, 7 p.

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].

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 based citation. <http://novascotia.ca/nat/mdb>



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