

LEGEND*

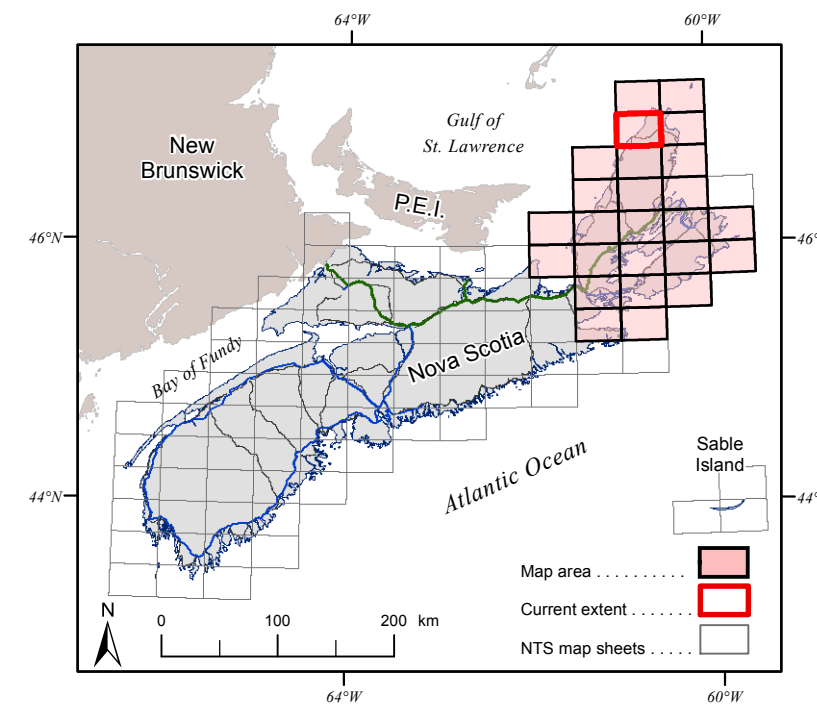
Code	Unit label	Unit name	Unit Terrane or Assemblage Code:
DC - ECWu	Windsor Group (undivided)		DC - Late Devonian, Carboniferous & Mesozoic
DC - ECHu	Horton Group (undivided)		AT - Aspy Terrane
DC - ECHa	Ainslie Formation		ST - Gras d'Or Terrane
DC - ECHs	Strathlorne Formation		MT - Mars Terrane
DC - ECHc	Croisnighe Formation		BR - Blair River Inlier
DC - LDlc	Lowland Cove Formation		CP - Cape Porcupine Complex
AT - LDam	Andrews Mountain Granite		
AT - LDbbgs	Black Brook Granitic Suite		
AT - LDgag	Grand Anse Granite		
AT - LDmag	Margaree Pluton		
AT - LDpbj	Pleasant Bay Pluton		
AT - LDws	Wilkie Sugarloaf Granite		
AT - SDgban	George Brook Amphibolite		
AT - Sgb	Glasgow Brook Pluton		
AT - Sma	Middle Aspy River Orthogneiss		
AT - SCLpg	Chéticamp Lake Gneiss - paragneiss		
AT - SCLgn	Chéticamp Lake Gneiss - gneiss		
AT - OSMpu	Money Point Group (undivided)		
AT - OSPbbc	Belle Cote Road Orthogneiss		
AT - OSPbmm	Mackenzies Mountain Orthogneiss		
AT - Cjbc	Corney Brook Formation		
AT - Cjbcf	Fishing Cove River Formation		
AT - nPSCnu	Cape North Group (undivided)		
AT - nPSCnmbm	MacGregor Brook Formation - marble		
AT - nPSCnmbq	MacGregor Brook Formation - quartzite		
BR - Ssb	Sammys Barren Granite		
BR - Srr	Red Ravine Syenite		
BR - Sfb	Fox Back Ridge Diorite		
BR - nPpmc	Meat Cove Marble		
BR - nPppbr	Blair River Inlier Mylonite		
BR - mPob	Otter Brook Gneiss		
BR - mPug	Upper Grays Hollow Brook Charnockite		
BR - mPib	Lowland Brook Syenite		
BR - mPbc	High Capes Anorthosite		

* 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
Artificial 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
Geological contact	Wetlands
Fault	Dam
Thrust fault	Lake, ocean
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. (1992), Currie (1987), Jamieson et al. (1989), Macdonald and Smith (1981), Miller (1997), Platt (1987) and Yaswanthyan (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, Daines MacIsaac and Christa Pufelt 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 Reade for reviewing the maps and providing many helpful comments.

Nova Scotia Department of Natural Resources
Geoscience and Mines Branch
Open File Map ME 2017-028

Bedrock Geology Map of the Pleasant Bay Area, NTS 11K/15, 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 Pleasant Bay area, NTS 11K/15, Inverness and Victoria Counties, Nova Scotia. Nova Scotia Department of Natural Resources, Geoscience and Mines Branch, Open File Map ME 2017-028, 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.

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/nrb/mdb/downloaddp003.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/nrb/mdb/downloaddp002.asp> [ISBN:18752].

† International 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 latest edition. <http://novascotia.ca/nrb/mdb>

