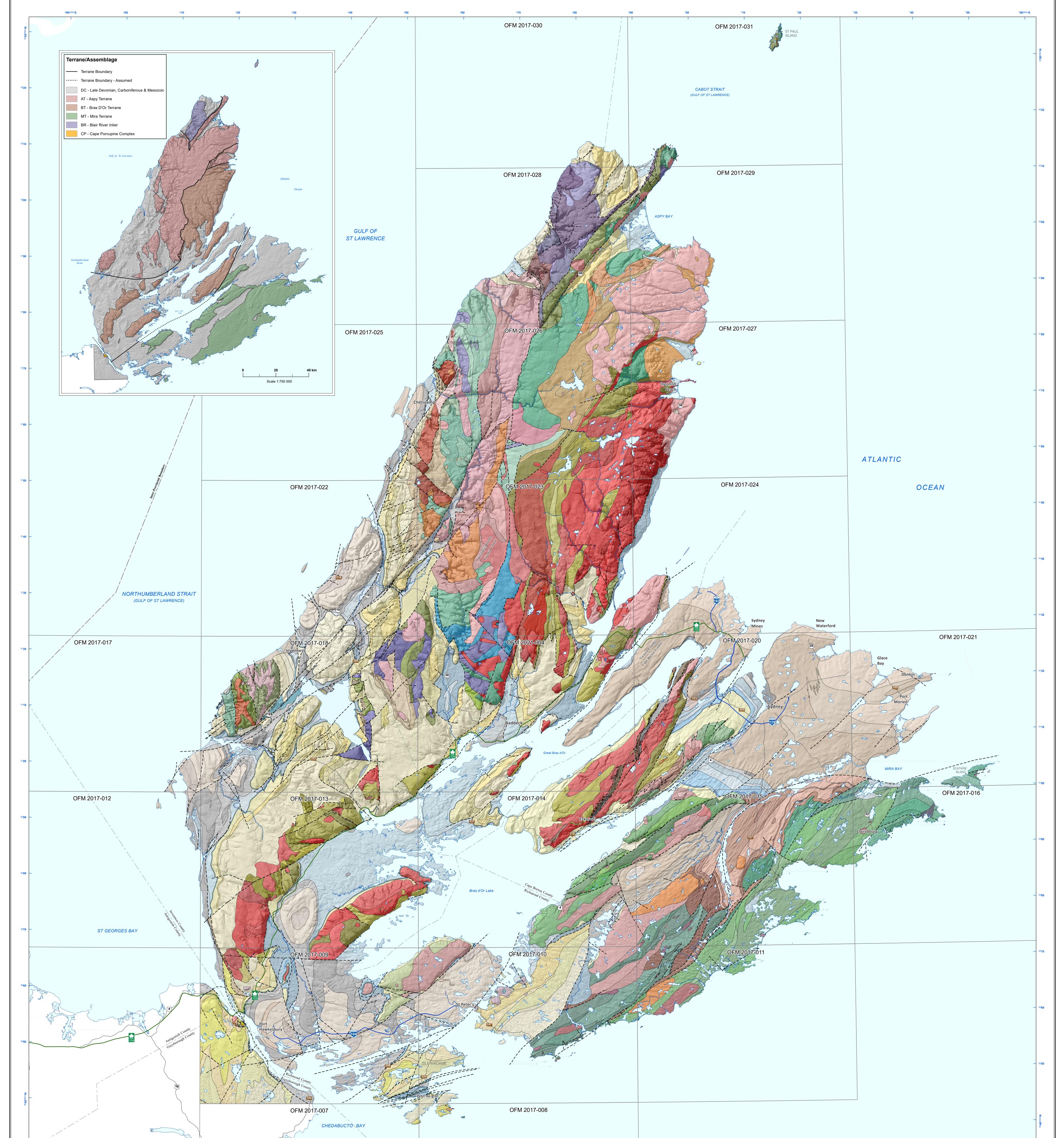
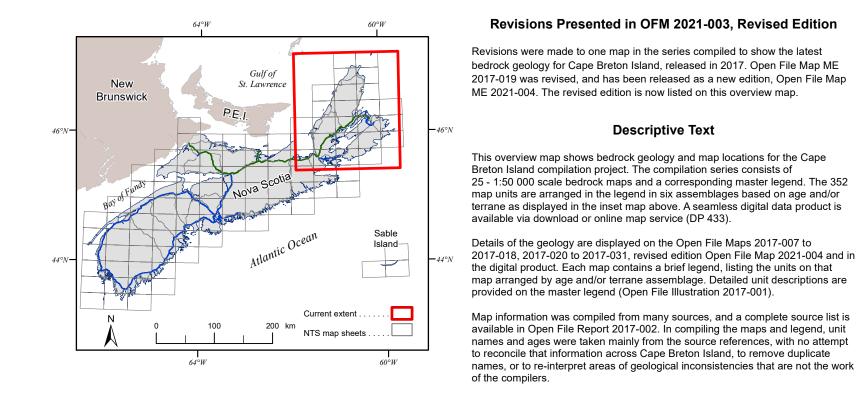
## Nova Scotia Department of Energy and Mines

# Open File Map ME 2021-003







#### Revisions Presented in OFM 2021-003, Revised Edition Map Notes

GIS databases, cartography and reproduction by Angie Barras of the Nova Scotia Department of Energy and Mines, Geoscience and Mines Branch, Geological Survey Division, 2021. The GIS databases and map were developed Revisions were made to one map in the series compiled to show the latest bedrock geology for Cape Breton Island, released in 2017. Open File Map ME 2017-019 was revised, and has been released as a new edition, Open File Map using ArcGIS® 10.7.1 ME 2021-004. The revised edition is now listed on this overview map.

> 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 Service Nova Scotia and Internal Services, Nova Scotia Geomatics Centre (NSGC), Amherst, Nova

Descriptive Text

Available via download of share and the open File Maps 2017-007 to 2017-018, 2017-020 to 2017-031, revised edition Open File Map 2021-004 and in the digital product. Fach map contains a brief legend, listing the units on that the digital product. Fach map contains a brief legend, listing the units on that the digital product. Fach map contains a brief legend, listing the units on that the digital product. Fach map contains a brief legend, listing the units on that the digital product. Fach map contains a brief legend, listing the units on that the digital product. Fach map contains a brief legend, listing the units on that the digital product. Fach map contains a brief legend, listing the units on that the digital product. provided on the master legend (Open File Illustration 2017-001).

Disclaimer

Map information was compiled from many sources, and a complete source list is available in Open File Report 2017-002. 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 compilere use as an index map only. Not for use as a geological map at 1:220 000 scale.

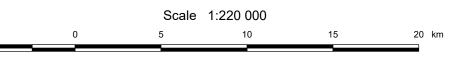
Nova Scotia Department of Energy and Mines Geoscience and Mines Branch - Geological Survey Division Open File Map ME 2021-003 **Overview Map Showing Locations of** Bedrock Geology Maps for

# Cape Breton Island, Nova Scotia

**Revised Edition** 

Compiled by

S. M. Barr and C. E. White



Halifax, Nova Scotia 2021

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#### Acknowledgments

We thank the numerous individuals who have contributed over many decades to the geological knowledge of Cape Breton Island, not only those cited in the reference list but those who worked in the area before them and formed the basis for their work. We especially acknowledge and thank Becky Jamieson, Alan Macdonald and Rob Raeside for their contributions to mapping and their insightful discussions about Cape Breton Island geology. Karen Johnston, Dallas MacIsaac, and Christa Pufahl did much of the digitizing of original field locations from 1:10 000 orthophoto base maps. We thank Angie Barras, David Hapgood and Jeff McKinnon for their help in producing these maps and the associated databases. Sandra Barr acknowledges the long-term support of her employer, Acadia University, in her research in Cape Breton Island, and that of the Natural Sciences and Engineering Research Council of Canada. We thank Rob Raeside for reviewing the maps and providing many helpful comments.

#### **Recommended Citation**

Barr, S. M. and White, C. E. 2021: Overview map showing locations of bedrock geology maps for Cape Breton Island, Nova Scotia; Revised Edition; Nova Scotia Department of Energy and Mines, Geoscience and Mines Branch Open File Map ME 2021-003, scale 1:220 000.

### Symbols

#### Geological contact . Fault . . \_\_\_\_ Map series index . . Trans Canada highway . Highway . Arterial highway (CT = Cabot Trail, Hwy 30). . Collector highway . Boundary (county, inter-provincial) . \_\_\_\_ Lake, ocean .



### Open File Map ME 2021-003

July 14, 2021

#### 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.