

Descriptive Text

This map is an overview of the series of 25 maps highlighting the acid-generating potential of bedrock in southwestern Nova Scotia if exposed and/or physically disturbed. A corresponding digital product (OP ME 464) and an information circular (IC ME 067) are available on the DNR website. This map is part of an undergraduate Honours thesis project with Dalhousie University School of Planning, examining how to make geologic information accessible to an audience of planners and non-geologists.

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 as an index map only, not for use at a 1:250 000 scale. Site specific lithochemical analyses are necessary to confirm the occurrence of acid-generating bedrock.

Map Notes

GIS databases, cartography and reproduction by Laura Trudell, Angie Ehler, Brian Fisher and Jeff McKinnon of the Nova Scotia Department of Natural Resources, 2013. The GIS databases and map were developed using ArcGIS 10.

Universal Transverse Mercator Projection (UTM), Zone 20, Central Meridian 63°00' West, North American Datum (NAD) 1983 Canadian Spatial Reference System (CSRS) 98.

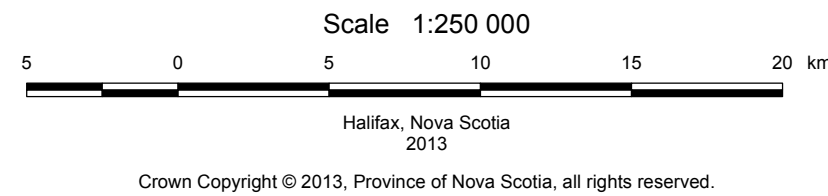
Base and digital data derived from the Nova Scotia Topographic Database (NSTDB). Copyright Her Majesty the Queen in Right of the Province of Nova Scotia. The NSTDB is available from Service Nova Scotia and Municipal Relations (SNMRL), Land Information Services Division (LIS), Nova Scotia Geomatics Centre (NSGC), Amherst, Nova Scotia.

Shaded relief image derived from a 25 m Digital Elevation Model of the Province of Nova Scotia, OP ME 56, version 2, 2006. Azimuth of 0°, sun angle of 45° and a vertical exaggeration of 5.

Nova Scotia Department of Natural Resources
Mineral Resources Branch
Open File Map ME 2013-002

Overview Map Showing Locations of Bedrock Acid Rock Drainage Potential Maps for the Southwestern Area of Nova Scotia

L. L. Trudell and C. E. White



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Recommended Citation

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Selected References

Trudell, L. L. and White, C. E. 2013. Digital Bedrock Acid Rock Drainage Potential Data for the Southwestern Area of Nova Scotia. Nova Scotia Department of Natural Resources. Digital Product ME 464.
<http://www.dnr.ns.ca/nat/mrb/download/dp464.asp> [ISBN 23257]

White, C. E., Fisher, B. E., McKinnon, J. S., and Ehler, A. L. (compilers) 2012. Digital Geological Data Generated as Part of Geological Mapping of the Meguma Terrane of Southwestern Nova Scotia (1998-2010). Shelburne, Digby, Yarmouth, Annapolis, Queens, and Lunenburg Counties. Nova Scotia. Nova Scotia Department of Natural Resources. Digital Product ME 127.
<http://www.dnr.ns.ca/nat/mrb/download/dp127.asp> [ISBN 23256]

[†] Internal Search Number (ISN) is a unique identifier used in NovaScan - the Nova Scotia Geoscience Maps and Publications Database. The ISN can be used to retrieve a digital version of the listed citation.
<http://www.gov.ns.ca/nat/mrb/dp464.asp>

Legend

Potential for acid rock drainage (ARD) from bedrock that is exposed or physically disturbed

- High potential that bedrock will generate ARD
- Moderate potential that bedrock will generate ARD
- Low potential that bedrock will generate ARD

Symbols

- Arterial highway
- Trunk highway
- Collector highway
- Municipal boundary
- Lake/ocean
- Map series index



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