



#### Descriptive Text

GIS shore database produced by Danika van Proosdij and Barbara Pietersma-Perron of Saint Mary's University, Maritime Provinces Spatial Analysis Research Centre. Data collected from June 19, 2010, to July 6, 2011.

Cartography and reproduction by Angie Eiler of the Nova Scotia Department of Natural Resources, Information Services Section, 2011-12. The maps 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, Canada. All rights reserved. Nova Scotia Provincial and Municipal Relations (NSPR), Land Information Services Division (LIS), Nova Scotia Geomatics Centre (NSGC), Amherst, Nova Scotia.

There are 15 maps in the Southern Bight of the Minas Basin study area and 7 maps in the Cumberland Basin study area. Maps are at a scale of 1:10 000. This project is completed within Maritime Provinces Spatial Analysis Research Centre (MP\_SpARC) with collaboration from the Nova Scotia Department of Natural Resources (NSDNR).

#### Map Notes

Nova Scotia Department of Natural Resources  
Mineral Resources Branch  
Open File Map ME 2012-016

Bates, R. L. and Jackson, J. A. (editors) 1980: Glossary of Geology, second edition; American Geological Institute, Falls River, Virginia.

Milton, R. 2009: Nova Scotia wetland vegetation and classification inventory; Nova Scotia Department of Natural Resources, Wetlands and Coastal Habitats Program. <http://www.gov.ns.ca/natural/wetlife/habitats/wetlands.asp>

Owens, E. H. 1994: Coastal zone classification system for the national sensitivity mapping program; Internal Report, Environment Canada, Cat No En 40-488/1995E, Dartmouth, Nova Scotia.

Sherin, A. G., Fraser, P., Solomon, S., Forbes, D. L., Gareau, P., Jenner, K. A., Hyres, S. and Lynch, T. 2003: A decade in the life of a coastal information system; Proceedings of CoastGIS 2003, Genoa, Italy. <http://www.pisa.it/coastgis/pages/sherin.htm>

van Proosdij, D. and Pietersma-Perron, B. 2011: Shore zone characterization for climate change adaptation in the Bay of Fundy; Saint Mary's University, Halifax, Nova Scotia, 33 p. <http://atlanicadaptation.ca/node/183>

Webster, T., McGuigan, K. and MacDonald, C. 2011: Lidar processing and flood risk mapping for coastal areas in the District of Lunenburg, Town and District of Yarmouth, Amherst, County Cumberland, Wolfville and Windsor; Atlantic Climate Adaptation Solutions Association, 130 p.

Wentworth, C. K. 1922: A scale of grade and class terms for clastic sediments; Journal of Geology, v. 30, p. 377-392.

© Note: Legend is for map series. All units and symbols may not appear on each map.

Map series: Current extent: 10 km

Scale: 1:10 000

0 1 km

Halifax, Nova Scotia 2012

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D. van Proosdij\* and B. Pietersma-Perron\*

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Shaded relief image derived from a 2 m lidar bare-earth Digital Elevation Model. Azimuth of 15°, sun angle of 45° and a vertical exaggeration of 5. The lidar was acquired by, or under contract to, the Applied Geomatics Research Group (AGRG). The data were collected using two separate missions. Lidar data were acquired by Terra Remote Sensing Inc. in May 2003 for the area from Grand Pré to Weymouth. The May 2003 mission had a greater ground sample distance (GSD) of 0.5 m compared to the June 2003 mission. The June 2003 mission had a GSD of 0.25 m. The data were processed using Optech ATOM™ software. See Webster et al. (2011) for further details on the lidar processing, surface construction and accuracy validation.

#### Selected References

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#### Acknowledgments

This project is part of the Atlantic Climate Adaptation Solutions Association (ACASA) project, a joint undertaking between the Atlantic Provinces, Natural Resources Canada, regional municipalities and other partners. It was made possible with funding from the Provinces of Nova Scotia and federal support from Natural Resources Canada's Regional Adaptation Collaborative Program.

#### 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 and partners of the Atlantic Climate Adaptation Solutions Association do not assume any liability for errors that may occur. This map is intended for use at the published scale of 1:10 000.

#### Recommended Citation

van Proosdij, D. and Pietersma-Perron, B. 2012: Shore zone characterization map of the Five Mile Plains area, Hants County, Nova Scotia, Nova Scotia Department of Natural Resources, Mineral Resources Branch, Open File Map ME 2012-016, scale 1:10 000.

Webster, T., McGuigan, K. and MacDonald, C. 2011: Lidar processing and flood risk mapping for coastal areas in the District of Lunenburg, Town and District of Yarmouth, Amherst, County Cumberland, Wolfville and Windsor; Atlantic Climate Adaptation Solutions Association, 130 p.

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