

Figure 5

Figure 7

Figure 2

Figure 6

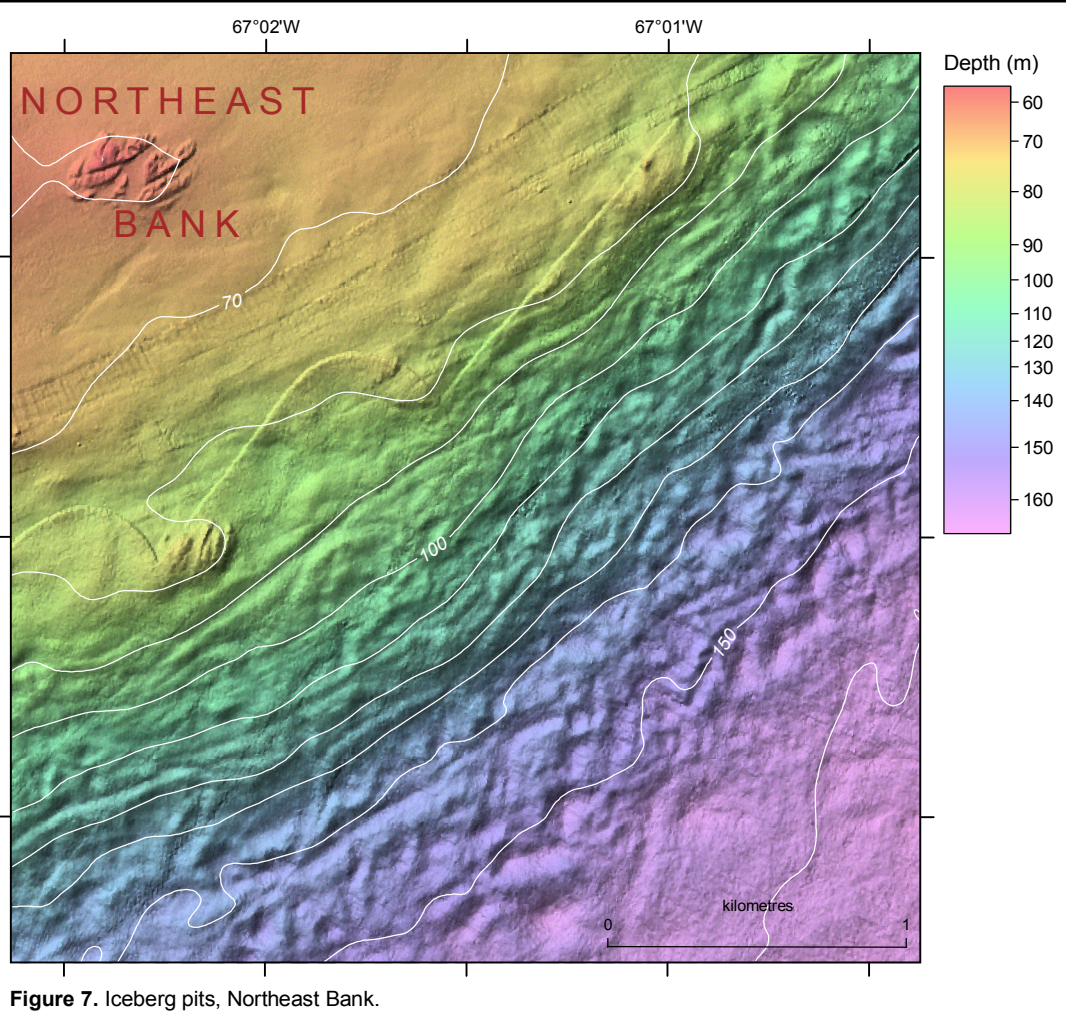


Figure 7. Isobath plot, Northeast Bank.

Figure 3

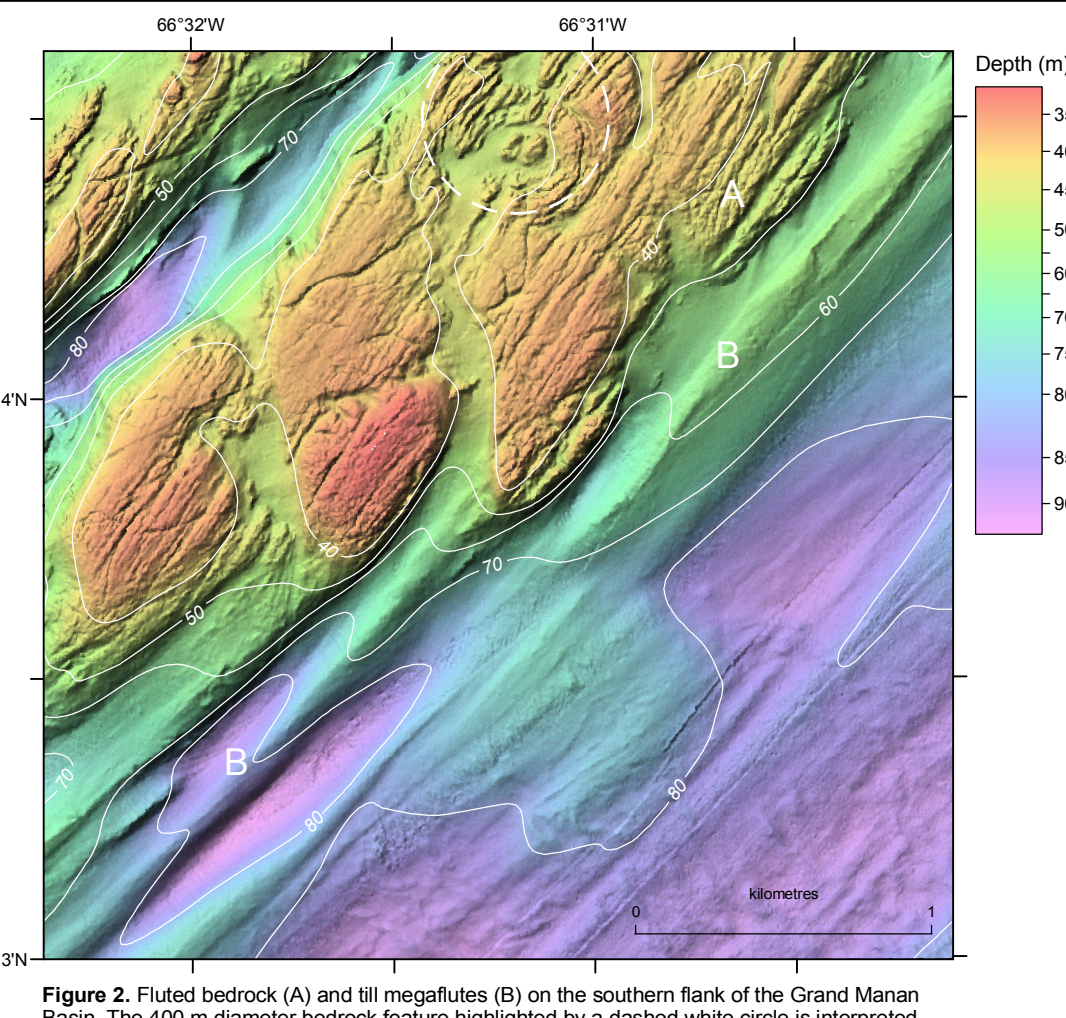


Figure 2. Ridge back (A) and 18 megafaults (B) on the southern flank of the Grand Manan Basin. The 400 m contour (backscattered) is interpreted as a feeder for the Jurassic North Mountain Basin (Owen et al., 1996).

Figure 4

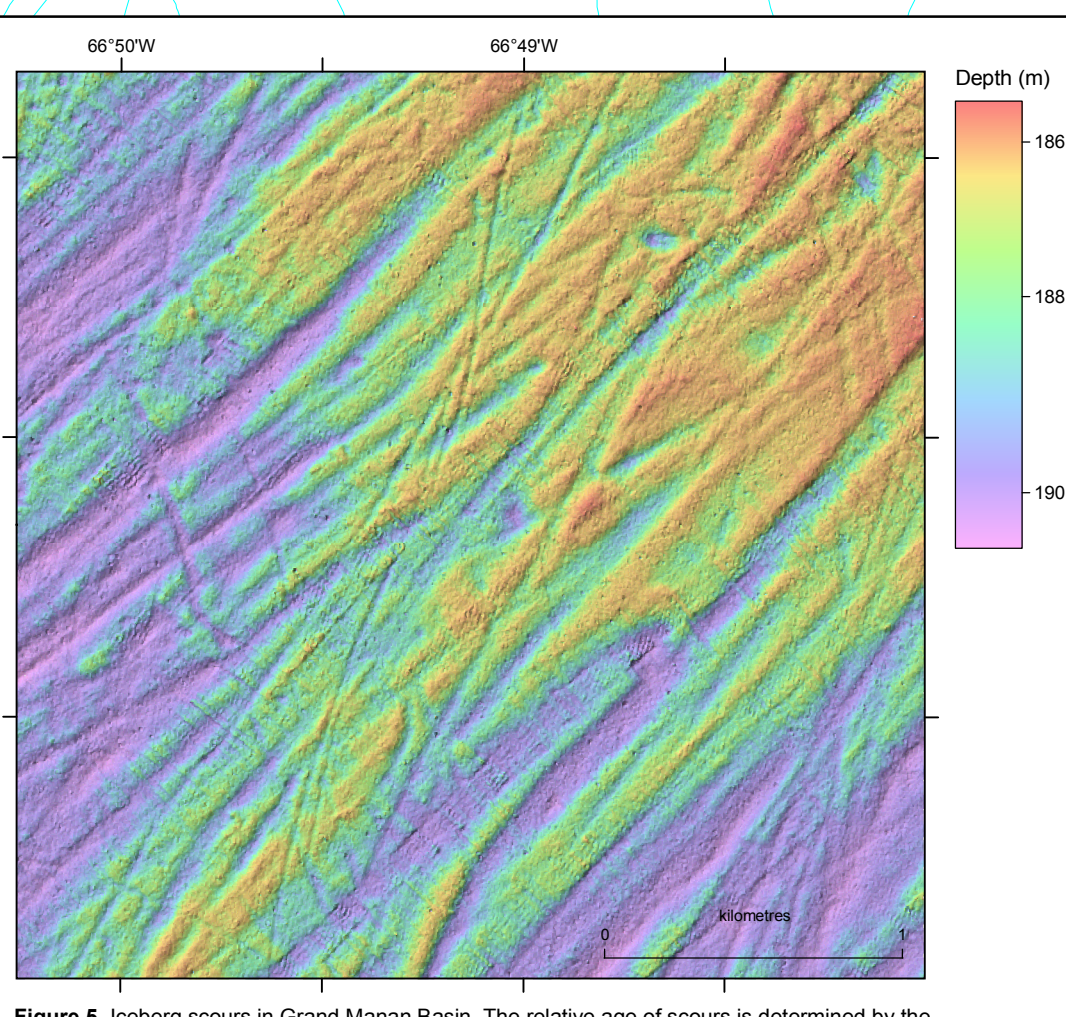


Figure 5. Isobath contours in Grand Manan Basin. The relative age of scours is determined by the crosscutting pattern; younger scours crosscut older scours.

Figure 6. Isobath plot on bathymetric high in Grand Manan Basin.

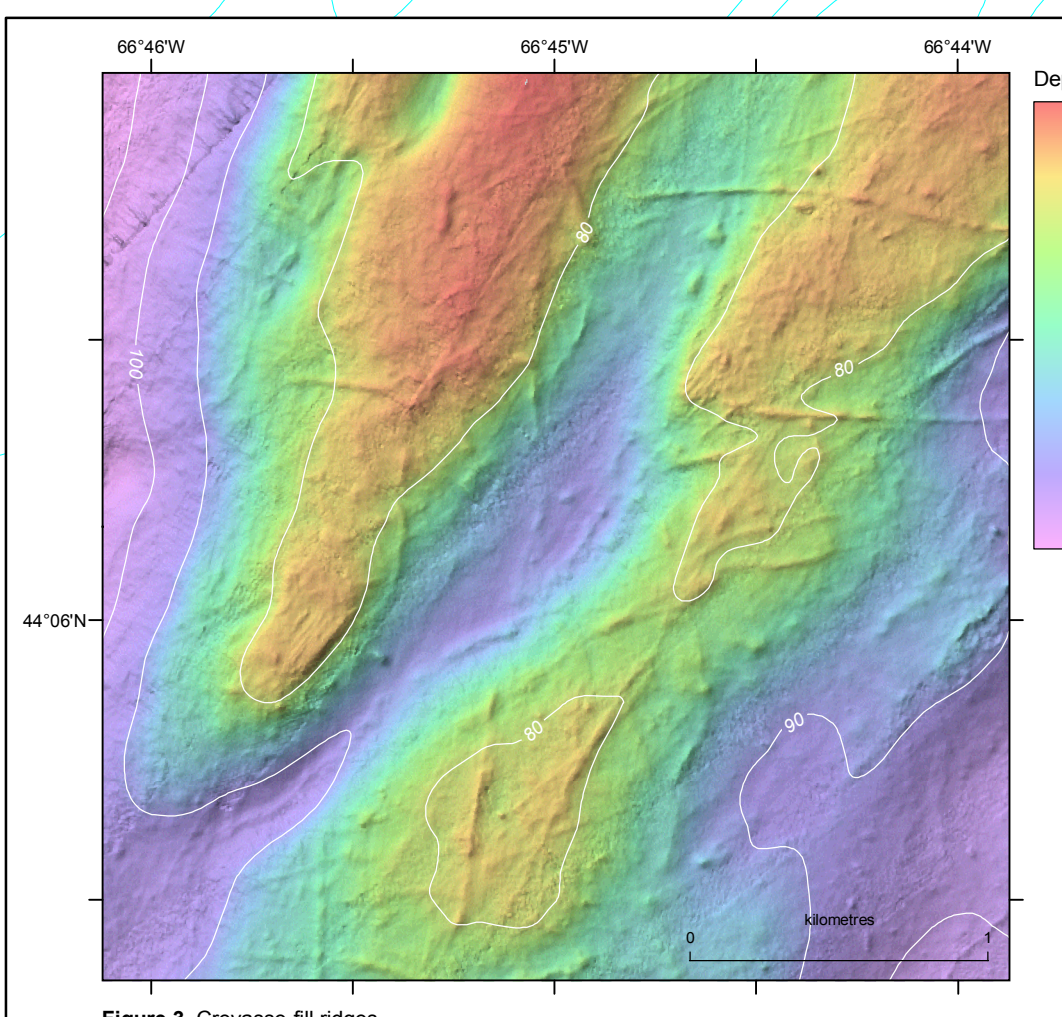


Figure 3. Crevasse-fan ridges.

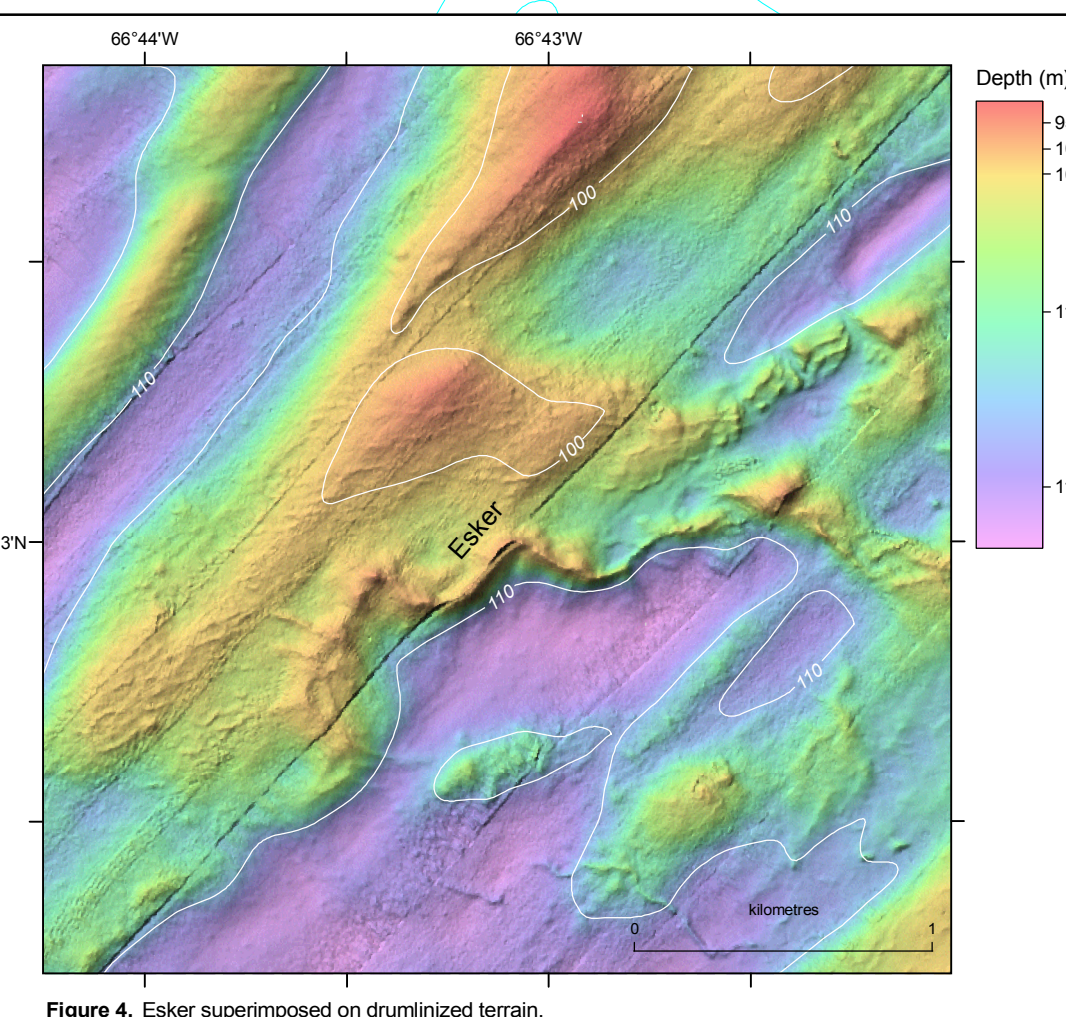


Figure 4. Esker superimposed on drumlinized terrain.

DESCRIPTIVE NOTES

INTRODUCTION

The Bay of Fundy, located on the east coast of Canada between the provinces of New Brunswick and Nova Scotia (Fig. 1), is a macrotidal embayment (Owen et al., 1996) with the highest recorded tidal range in the world of about 16 m. The Bay of Fundy is a tectonically controlled embayment with a complex tectonic and topographic history. The Bay of Fundy is a tectonically controlled embayment with a complex tectonic and topographic history. The Bay of Fundy is a tectonically controlled embayment with a complex tectonic and topographic history.

MULTIBEAM BATHYMETRY DATA COLLECTION

Multibeam bathymetry data were collected by the Canadian Hydrographic Service (CHS) and the University of New Brunswick. The survey system used a Swathplus 3000 system with a 300 kHz Simrad EK60 echosounder and a Simrad EK60 echosounder. The survey system used a Swathplus 3000 system with a 300 kHz Simrad EK60 echosounder and a Simrad EK60 echosounder. The survey system used a Swathplus 3000 system with a 300 kHz Simrad EK60 echosounder and a Simrad EK60 echosounder.

BATHYMETRIC DATA DISPLAY

The multibeam bathymetric data are presented at 5 m per pixel horizontal resolution. The shaded relief image is presented with a vertical exaggeration of 10 times. The shaded relief image is presented with a vertical exaggeration of 10 times. The shaded relief image is presented with a vertical exaggeration of 10 times.

BAY OF FUNDY GEOMORPHOLOGY

The Bay of Fundy is a tectonically controlled embayment with a complex tectonic and topographic history. The Bay of Fundy is a tectonically controlled embayment with a complex tectonic and topographic history. The Bay of Fundy is a tectonically controlled embayment with a complex tectonic and topographic history. The Bay of Fundy is a tectonically controlled embayment with a complex tectonic and topographic history.

ACKNOWLEDGMENTS

B. MacDonnell, M. Lamplugh, and J. Griffin of the Canadian Hydrographic Service (CHS) organized the multibeam bathymetry survey of the Bay of Fundy. The Canadian Hydrographic Service (CHS) organized the multibeam bathymetry survey of the Bay of Fundy. The Canadian Hydrographic Service (CHS) organized the multibeam bathymetry survey of the Bay of Fundy.

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Arns, C.L., and Zeller, R.A., 1985. The effect of changes in tidal range on a shallow macrotidal bay. *Journal of Marine Research*, v. 43, p. 101-110.
Arns, C.L., Zeller, R.A., and Goff, J., 1987. The effect of changes in tidal range on a shallow macrotidal bay. *Journal of Marine Research*, v. 45, p. 101-110.
Arns, C.L., Zeller, R.A., and Goff, J., 1987. The effect of changes in tidal range on a shallow macrotidal bay. *Journal of Marine Research*, v. 45, p. 101-110.

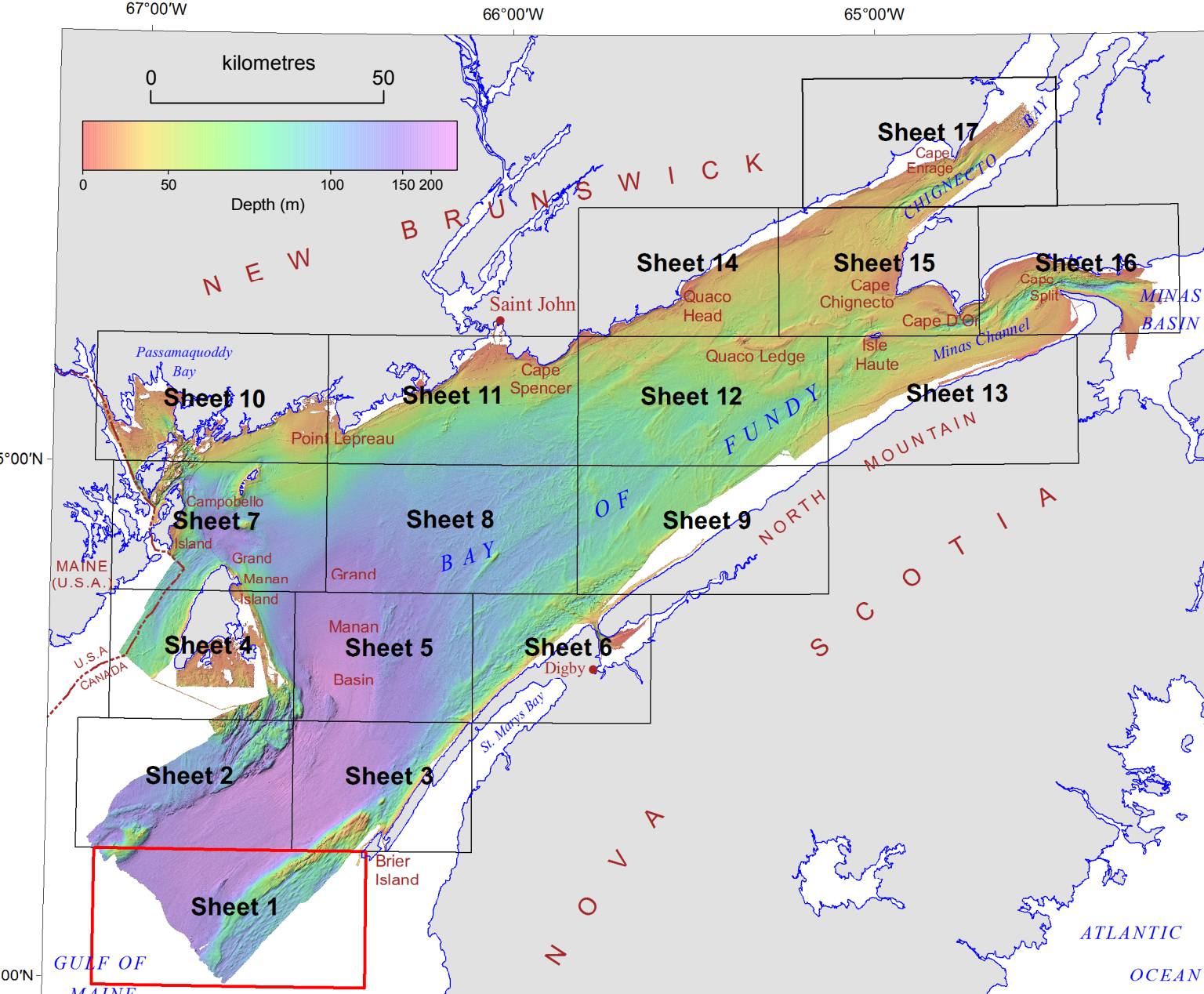
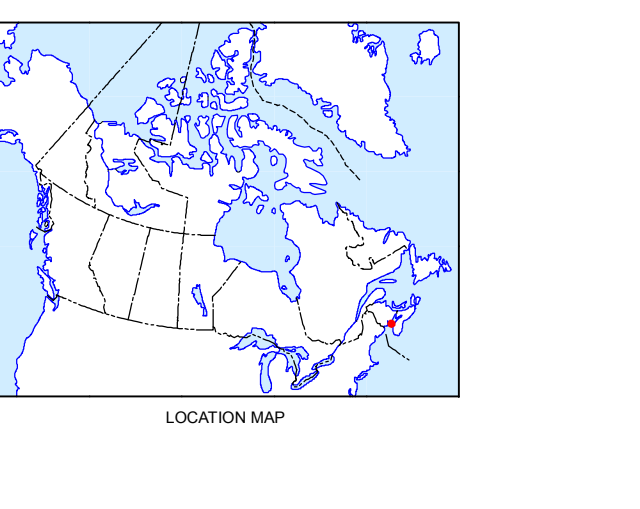


Figure 1. Location map showing seventeen 1:50 000 map sheets covering the Bay of Fundy. Sheet 1 (outlined by red lines) is in southeastern Bay of Fundy, west of Deer Island, Nova Scotia.



Authors: B.J. Todd, J. Shaw, and D.R. Parrett
This map was produced by Natural Resources Canada in co-operation with Fisheries and Oceans Canada.
Map bathymetric data collected by Canadian Hydrographic Service, 1993, 2006-2009; Geological Survey of Canada 1999-2001, 2006-2009; and University of New Brunswick, 1993, 1994, 2002-2008.

MAP 2174A
SHADED SEAFLOOR RELIEF
BAY OF FUNDY, SHEET 1
OFFSHORE NOVA SCOTIA-NEW BRUNSWICK
Scale 1:50 000/Echelle 1:50 000
North American Datum 83
Projection: Transverse Mercator
Datum: North American Datum 83
Units: Metres

Any revisions or additional geographic information known to the user would be welcomed by the Geological Survey of Canada.
Digital base map (land areas) from data compiled by Geomatics Canada, modified by CHS (CHS/CHS).
Digital bathymetric contours in metres supplied by Canadian Hydrographic Service and CHS (CHS/CHS).
Magnetic declination 2011, 171°8'N, decreasing 6.6° annually.
Elevations in metres above mean sea level.
Depth in metres below mean sea level.

