

SCOTIAN SHELF
SURFICIAL GEOLOGY
YARMOUTH
TO
BROWNS BANK

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BATHYMETRY IN FATHOMS
Scale 1:300,000 at Lat. 48° 00' N.
Projection: Mercator

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LEGEND

QUATERNARY

8a 8b Sable Island sand and gravel; 8a, sand with less than 50% gravel;
8b, gravel with less than 50% sand

7 La Have clay; 7a, silty clay; 7b, clayey silt

6 Sambro sand; 6a, mainly silty and clayey sand with less than 10%
gravel; 6b, sand, silt and clay of 6a with more than 10% gravel

5 Emerald silt; 5a, poorly-sorted, clayey and sandy silt; 5b, silt of 5a and
gravel; 5c, well-sorted silt

4 Scotian Shelf drift; glacial till, may include some stratified drift on
outer shelf

TERTIARY (?)

3 Semi-compacted bedrock; continuous seismic-reflection profiles
suggest poorly defined bedding and some cross-bedding, no samples
available (appears on cross-sections only)

MESOZOIC

2 Semi-compacted to well-compacted bedrock; continuous seismic-
reflection profiles suggest regular, well-defined bedding, one dredged
sample consisted of sideritic quartz sandstone, arenaceous sideritic
carbonate rock, both in part glauconitic (appears on cross-sections
only)

PALEOZOIC

1 Cambrian to Devonian
Undifferentiated basement rocks; probably quartzite and slate of
Cambro-Ordovician Meguma Group and Devonian granitic plutons
(appears on cross-sections only)

GEOLOGICAL AND TOPOGRAPHICAL SYMBOLS

Geological boundaries
defined

approximate

Line of geological section A—B

Depth contours

1 fathom

3 fathoms

6 fathoms

10 fathoms

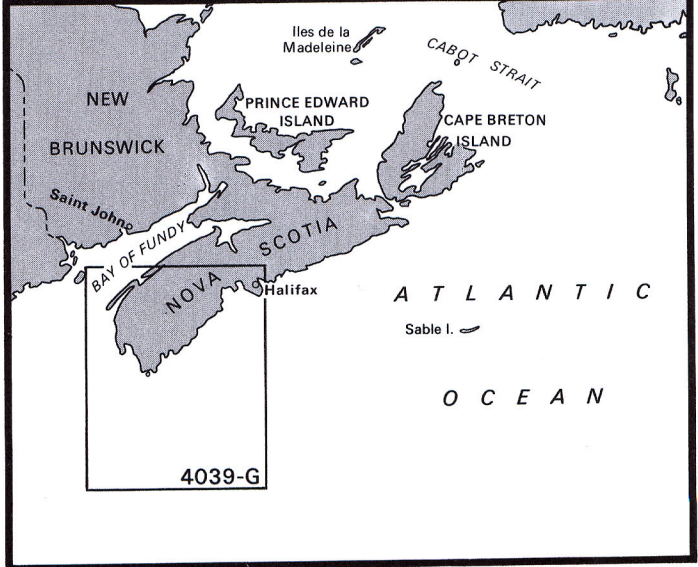
20 fathoms

30 fathoms

and over

Submarine cable

INDEX MAP



This chart is NOT INTENDED FOR NAVIGATION and therefore is not
corrected from Notices to Mariners. For navigating within this area,
revised charts 4032-L or L8714012 and L-8006 or L8718006
should be used.

