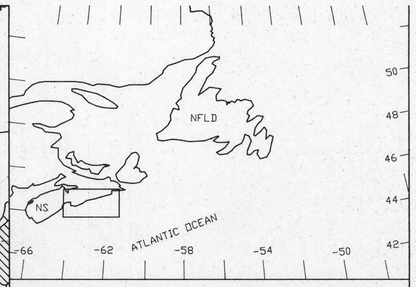


LEGEND

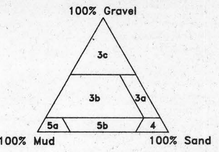
REGIONAL SURFICIAL GEOLOGY
(after King,1970; Drapeau and King,1972; and MacLean et al,1977)

- 11 — Sable Island sand and gravel: 11a, sand with less than 50% gravel; 11b, gravel with less than 50% sand; 11c, gravel, sand, silt, and clay (no occurrences on this sheet); 11d, undifferentiated sand and gravel.
- 10 — Lahave clay: 10a, silty clay: 10b, clayey silt
- 9 — Sambro sand: 9a, mainly silty and clayey sand with less than 10% gravel; 9b, sand, silt and clay of 9a with more than 10% gravel.
- 8 — Emerald silt: 8a, poorly sorted clayey and sandy silt; 8b, silty sand with some gravel.
- 7 — Scotian Shelf drift: glacial till, may include some modified till and stratified drift

EASTERN SHORE INNER SHELF SEDIMENT DISTRIBUTION
(after Hall, 1985)

- S — Sand
- SG — Sand and Gravel
- G — Gravel
- B — Bedrock

SURFICIAL SEDIMENT DISTRIBUTION, SOUTH SHORE
(after Piper et al, 1986)



- 5 — La Have Clay (70% M); 5a, mud(>70% M,<15% G); 5b, sandy mud and muddy sand (25 to 70% M, <15% G)
- 4 — Sable Island sand and gravel – sandy facies (<25% M, <15% G)
- 3 — Sable Island sand and gravel – gravelly facies (>15% G); 3a, gravelly sand (15 to 50% G,<10% M); 3b, muddy gravelly sand (>10% M, <50% G); 3c, gravel, sandy gravel, and muddy, sandy gravel (>50% G)
- 2 — Till with cobble or boulder cover and pockets of fine sediment; 2b, transitional to 3
- 1 — Paleozoic bedrock with pockets of sediment; 1b, transitional to 3

M, S, G = mud, sand, and gravel as defined by Folk (1968)

Note: Sandy and gravelly facies definitions are not the same as used by King (1970)

TELEGLOBE CANADA (TAT9) SURVEY SURFICIAL FEATURES
(after Miller, 1987)

- Bedrock exposure – typified by a zone of rock outcrop with valleys infilled with sands &/or muds. Common in nearshore zone.
- Boulders (mostly on banks)
- Pockmarks (gas escape craters, confined to basins)
- Iceberg furrows (relict)
- Ship wreck

NAVICULA 88-018 PHASE 1 SEABED SEDIMENTS AND FEATURES
(after Miller and Fader, 1988)

- Sable Island Sand
- Sable Island Gravel
- Bedrock, with gravel
- Bedrock outcrop
- B — Bedforms (megaripples, gravel ripples) etc.
- F — Furrow (cause uncertain)
- Boulders (in excess of 1 metre)

SURFICIAL GEOLOGY HALIFAX HARBOUR
(simplified from Fader et al, 1991)

- A — Sackville mud
- B — Holocene mud
- C — Transgressive sand
- D — Transgressive gravel (overlies till or bedrock)
- E — Bedrock

Bathymetry, in fathoms

OPEN FILE
DOSSIER PUBLIC
2440
GEOLOGICAL SURVEY
COMMISSION GEOLOGIQUE
OTTAWA

EARTH & OCEAN RESEARCH LTD.
DARTMOUTH, NOVA SCOTIA
CANADA

ATLANTIC GEOSCIENCE CENTRE
DARTMOUTH, NOVA SCOTIA
CANADA

SURFICIAL GEOLOGY AND SEDIMENT DISTRIBUTION, LUNENBURG TO COUNTRY HARBOUR, N.S.

DATE: 29/3/91	GEOLOGIST: G.B.J. FADER	
PROJECTION : MERCATOR 48N		SCALE : 1 : 300000
ENCLOSURE: 12	DRAWN BY: MD	EOR PROJECT NO : 90-68

This document was produced by scanning the original publication.

Ce document est le produit d'une numérisation par balayage de la publication originale.