GEOLOGICAL SURVEY OF CANADA COMMISSION GÉOLOGIQUE DU CANADA

DEPARTMENT OF ENERGY, MINES AND RESOURCES
MINISTÈRE DE L'ÉNERGIE, DES MINES ET DES RESSOURCES

LEGEND

4 — *RESOLUTION ISLAND LAG: angular to subrounded gravels and/or sands which occur as a thin lag over bedrock, or over thin to discontinuous Baffin Shelf Drift or Davis Strait Silt, in areas which appear largely devoid of cover to the limits of acoustic resolution (30-50 cm); may include areas of exposed bedrock*

3 — *TINIKTARTUQ SILT AND CLAY: acoustically stratified, basin-fill sediments, which show variable penetration on echograms and directly overlie Davis Strait Silt subunit* a: *no samples available*

2 — *DAVIS STRAIT SILT: light grey to black, sandy and/or gravelly silts and clays which directly overlie and locally interfinger with Baffin Shelf Drift.*
2a: *acoustically stratified, unscoured by grounding icebergs.*
2b: *acoustically unstratified, scoured by grounding icebergs.*
2: *undifferentiated* 2a *and* 2b

1 — *BAFFIN SHELF DRIFT:* 1a: *acoustically unstratified diamictons interpreted to have been deposited by grounded glacial ice; includes morainal accumulations and multiple till sequences.* 1b: *moraine-like accumulations of both acoustically stratified and unstratified sediments which may have been deposited in association with grounded glacial ice; no samples available.* 1c: *glacial drift partly overlain by ponded sediments; not divisible with present acoustic coverage.*
1: *undifferentiated* 1a *and* 1b

Note: the surface of the seafloor sediment units has been texturally altered to varying degrees by bottom currents, resulting in a thin veneer of modified sediments in many areas

Geological boundary (defined, approximate) . . . . . .
Figure location and number 10

Geology compiled by D.B. Praeg and B. MacLean
Atlantic Geoscience Centre, Geological Survey of Canada,
Bedford Institute of Oceanography, Dartmouth, N.S.

Geological cartography by M. Hudon, Geological Survey of Canada

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Base map assembled by the Geological Survey of Canada from maps published at the same scale by the Surveys and Mapping Branch in 1979, 1980

Copies of the topographical editions covering this map area may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, Ontario K1A 0E9

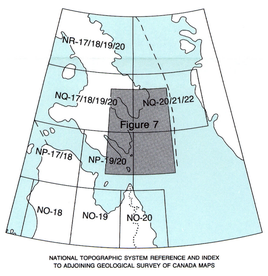
Mean magnetic declination 1985, 42°20′ West, decreasing 20.3′ annually. Readings vary from 36°55′ in the SE corner to 47°46′ in the NW corner of the map area

Elevation in metres above mean sea level

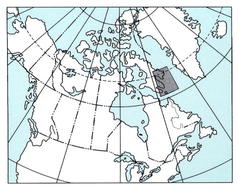
This chart is not intended for navigation and therefore is not corrected from Notices to Mariners. For navigating within this area, standard navigation charts must be used

Bathymetric contours derived from data or spot soundings on Canadian Hydrographic Service (CHS) field sheets, or from contours on CHS charts 5300, 7050, 7051, 7052. Bathymetric contour interval, 50 metres

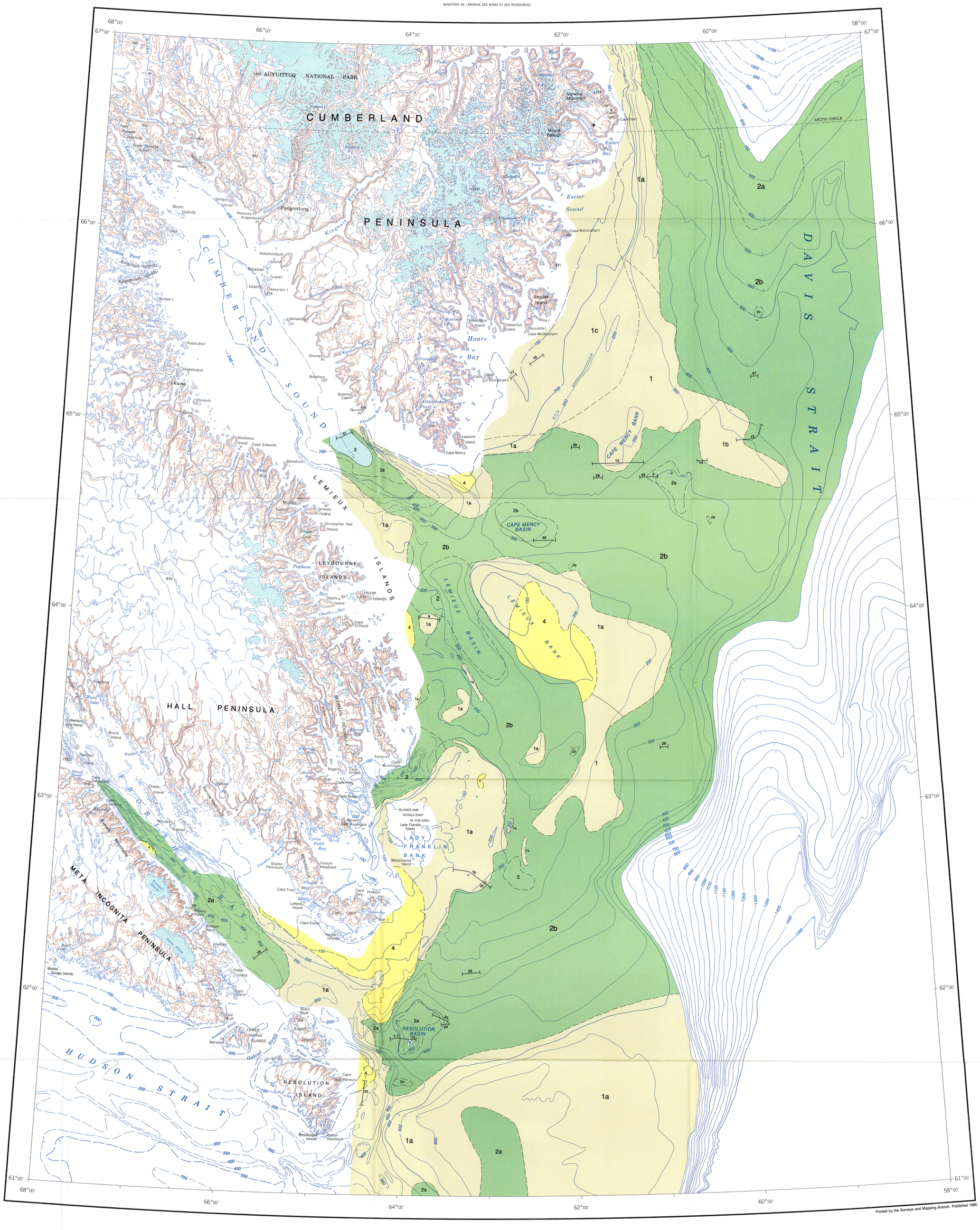
Bathymetric features in italics are informal names used for reference purposes only



NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX TO ADJOINING GEOLOGICAL SURVEY OF CANADA MAPS



INDEX MAP



Printed by the Surveys and Mapping Branch, Published 1985

Figure 7. Quaternary geology of the southeast Baffin Island Continental Shelf

Scale 1:1 000 000

Kilometres 25 0 25 50 75 Kilometres

Lambert Conformal Conic Projection
Standard Parallels 62°N and 66°N

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