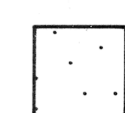


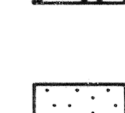
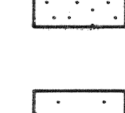
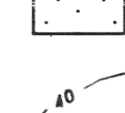


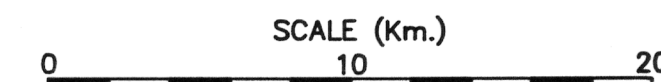
LEGEND

-  **Placentia Clay**
—late Pleistocene—Holocene silty clay, deposited in basinal areas of the shelf, ice transported gravel clasts frequent
-  **Grand Banks Sand and Gravel**
—gravel; interpreted from sidescan sonar, high-resolution seismic profiles and seabed samples; found as basal transgressive lag deposit, beneath sand ridges, and in incised areas on the surface of sand ridges
-  **sand**; occurs as sheet deposit in eastern area of southern Grand Banks; elsewhere as sand ridges, well-sorted, fine to medium grained sand with shell fragments
-  **Adolphus Sand**
—sublittoral sand to muddy sand found at the periphery of Grand Bank, and in adjacent channels, contains minor gravel component
-  **Downing Silt**
—glaciomarine clayey to sandy silt
-  Water depth, in metres

○ 94 1200 Navigation fix, annotation in Julian day, time
Cruise — Hudson 85—005 from 94 140 to 95 1550
and 97 1630 to 104 0200

N.B. Swath-width shown (approximately 5000 m.) exaggerates the actual width of the area of seabedinsonified by the Bedford Institute of Oceanography's sidescan sonar by approximately 3.3 times, and the Klein sidescan sonar by approximately 16.7 times. Normal operating swath-widths are 1500 and 300 metres, respectively.

This map approximates the location of the boundaries between adjacent surficial geological units but makes no representation of the actual shape of the contacts



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SURFICIAL GEOLOGY SOUTHERN GRAND BANK MAP AREA 14948—SG

DATE: MAY, 1990	GEOLOGIST: R.O. MILLER, G.B.J. FADER, M. DOUMA
PROJECTION: TRANSVERSE MERCATOR CM —49	SCALE: 1: 250000
ENCLOSURE: 2/14	DRAWN BY: MD
EOR PROJECT NO: 89—31B	