

DESCRIPTION OF TEXTURAL UNITS
SEDIMENT TEXTURE MAP AND FIGURES 3-5

EXPLANATION OF TEXTURAL SYMBOLS
SEDIMENT TEXTURE MAP

INTRODUCTION

DISCUSSION

REFERENCES

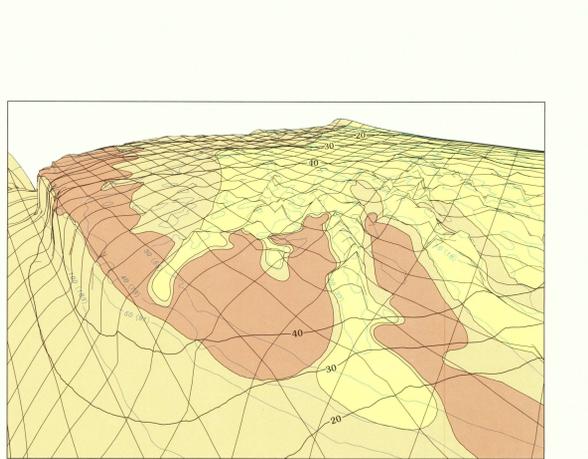


Figure 3.—View of shoals and northern edge of Georges Bank from the northwest, showing sediment texture, topography, and contours of mean bottom-current speed (cm/s). Sediment texture colors are defined in the description of textural units, above. Viewpoint 42°12' N, 67°36' W; eyepoint elevation 201 m above sea level; distance to horizon 160 km; vertical exaggeration ×100. Bathymetric contours are labeled in fathoms, followed by meters in parentheses.

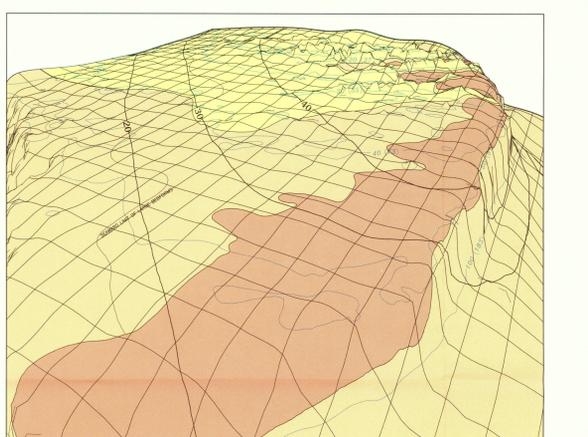


Figure 4.—View of eastern end of Georges Bank and Northeast Channel from the northeast, showing sediment texture, topography, contours of mean bottom-current speed (cm/s), and the seaward limit of large bedforms. Sediment texture colors are defined in the description of textural units, above. Viewpoint 42°12' N, 65°59' W; eyepoint elevation 288 m above sea level; distance to horizon 205 km; vertical exaggeration ×100. Bathymetric contours are labeled in fathoms, followed by meters in parentheses.

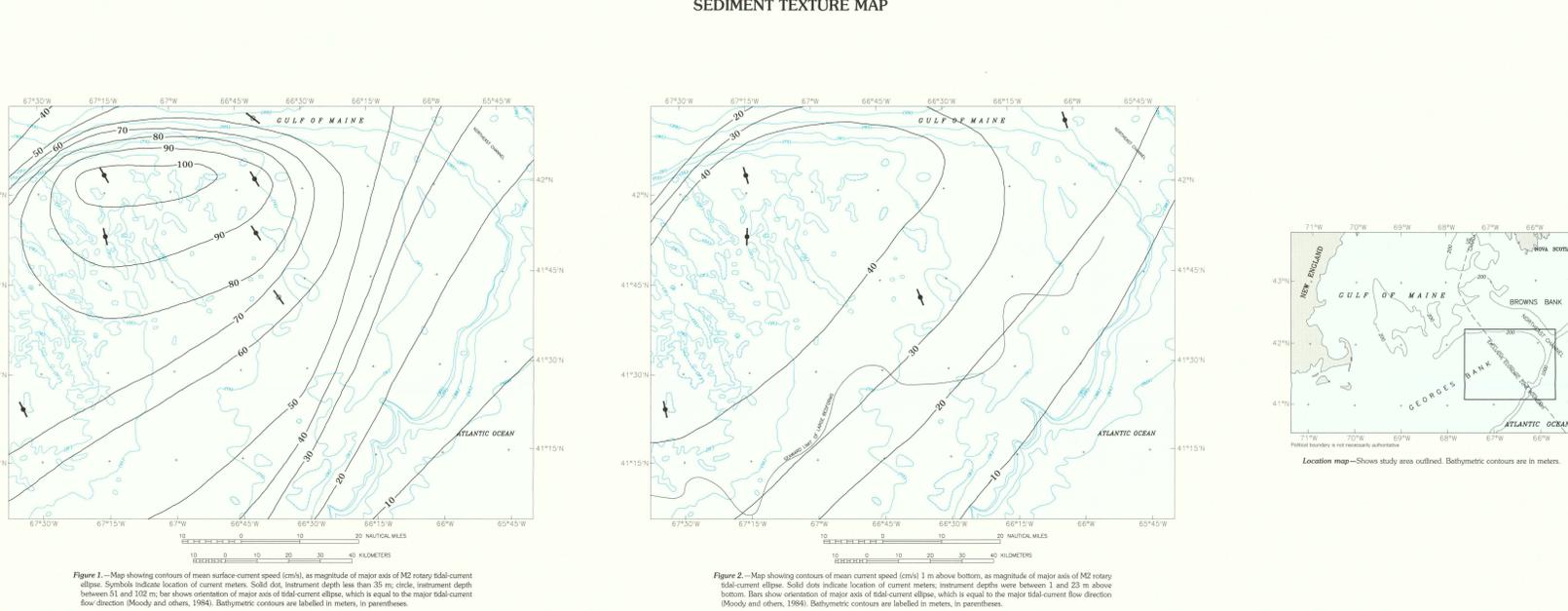


Figure 2.—Map showing contours of mean surface current speed (cm/s), as magnitude of major axis of M2 rotary tidal-current ellipse. Symbols indicate locations of current meters. Solid dots indicate location of current meters; treatment depth less than 20 m; circle, treatment depth between 21 and 102 m; bar shows orientation of major axis of tidal-current ellipse, which is equal to the major tidal-current flow direction (Moody and others, 1984). Bathymetric contours are labeled in meters, in parentheses.

Figure 3.—Map showing contours of mean surface current speed (cm/s) 1 m above bottom, as magnitude of major axis of M2 rotary tidal-current ellipse. Symbols indicate locations of current meters. Solid dots indicate location of current meters; treatment depth less than 20 m; circle, treatment depth between 21 and 102 m; bar shows orientation of major axis of tidal-current ellipse, which is equal to the major tidal-current flow direction (Moody and others, 1984). Bathymetric contours are labeled in meters, in parentheses.

Figure 4.—Map of eastern Georges Bank showing sediment texture (in color, see description of textural units, above), mean bottom-current speed (cm/s), and sedimentary provinces (labeled 1-7). The seven provinces are identified on the basis of sediment texture, presence or absence of large bedforms, bottom-current speed, water depth, and sea-floor topography. Dashed line in province 1 indicates areas of rough, bouldery seabed. Bathymetric contours, shown in blue, are unlabeled to avoid congestion.

MAPS SHOWING THE SEDIMENTARY ENVIRONMENT OF EASTERN GEORGES BANK

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