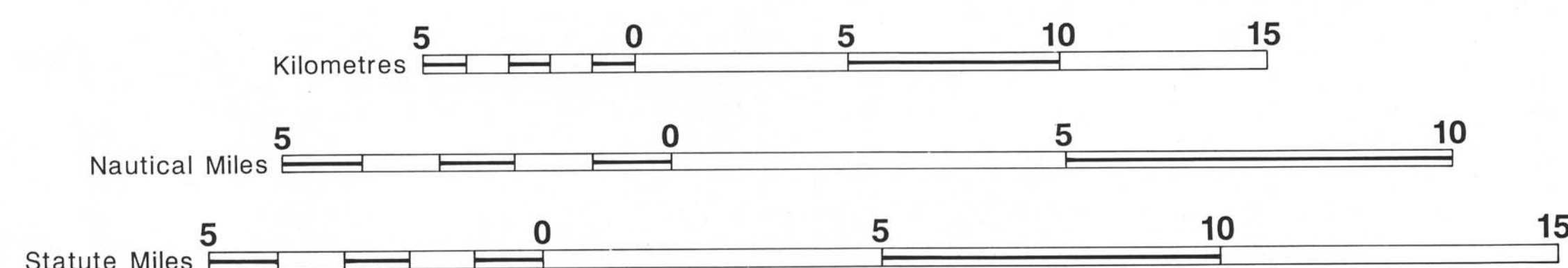


**Seismic Stratigraphy of Unconsolidated Sediments
in the Central Strait of Georgia:
Hornby Island to Roberts Bank**

by T.S.Hamilton
Open File 2350

BATHYMETRY OF THE MODERN SEAFLOOR

Bathymetry of the modern seafloor has been compiled from Natural Resource Charting Maps: 15783A, 15792A and 15794A using a 50 metre contour interval. The geomorphology almost entirely reflects Quaternary deposits and processes. Bedrock controls are only indirect. The widespread suggestion of a break in slope and channel terminations at about -130 meters possibly reflects a lower sealevel. The NW elongate troughs were sculpted from older glaciomarine strata by the keels of valley glaciers during the Wisconsin advance. The ridges were interlobe areas modified to drumlins at the same time. The shallow slopes west of Roberts and Sturgeon Banks define the foreslope of the modern Fraser River Deltas. The flat floors to the troughs reflect Holocene to Recent infilling by hemipelagic muds. The map at reduced scale is the image of the seafloor at a 100 millisecond contour interval, obtained from the 3.5 kHz data along this set of seismic tracklines. A sense of the resolution for the accompanying seismic maps is obtained by comparing the morphology from the acoustic data to the bathymetry.



SCALE 1 : 125,000
DEPTH IN METRES