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GEOLOGICAL SURVEY OF CANADA
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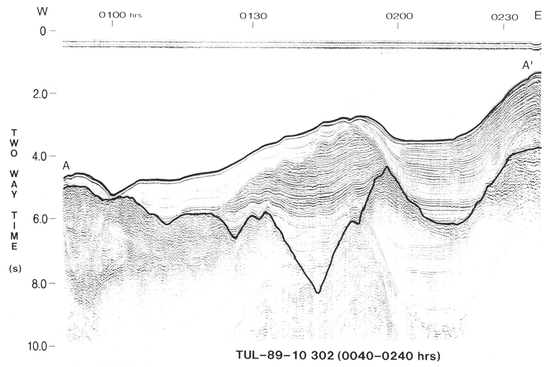
Seismic Stratigraphy of Unconsolidated Sediments in the Central Strait of Georgia: Hornby Island to Roberts Bank

by T.S.Hamilton

Open File 2350

INTERVAL THICKNESS OF THE COMPLETE UNCONSOLIDATED SEDIMENTARY SECTION

This time isopach map of the entire Quaternary to Recent unconsolidated section includes glacial, glaciomarine and post glacial sediments. (See interval bounded by heavy lines on seismic section.) The zero contour or facies edge on this and other isopach maps is a heavy line with tic marks. The contour interval is 100 ms from 0 to 600 ms, implying maximum thicknesses of 450 to about 600 metres. There is considerable relief on the top and base of this unit. The thickest areas are prominent ridges of higher velocity glacial and glaciomarine sediment, which also infill glaciated valleys at their base and trough infillings of lower velocity deglacial and postglacial sediment. The confidence in picking the base and thickness of this unit is lower to the east of about 123°20'on the foreslope of the delta. This is due to reduced acoustic penetration and resolution (see hatchure on baseline map), and relief on and intermittent definition of the bedrock tops through one or more multiples.



TUL-89-10 302 (0040-0240 hrs)

Kilometres 5 0 5 10 15
Nautical Miles 5 0 5 10
Statute Miles 5 0 5 10 15

SCALE 1 : 125,000