



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

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MORPHOLOGY OF THE DEGLACIATED SEAFLOOR (EARLY TO MID HOLOCENE)

This time structure map of the deglaciated seafloor contours the base of the young hemipelagic deposits, the top of the layered reflector facies and any unconformity which has persisted since then. (See heavy line on seismic section.) The contour interval is 100 ms from 0 to 700 ms. This is a paleogeomorphic map of the basin configuration at the end of the last major deglaciation. There is a distortion inherent in viewing this time map as a depth map. Where the low, basinal areas are overlain by sediment that has a velocity greater than seawater, (eg. where there is 100 ms of hemipelagic cover out of 700 ms total) the lows are actually about 5% deeper than they appear. The flat and deep areas are underlain by a series of reflectors interpreted to be bathyal marine turbidites which have infilled troughs basinward from the retreating ice.

