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MIS001-P03

Room:Convention Hall

Time:May 25 10:30-13:00

Characteristics of turbidites at the deepest part of the Beppu Bay

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Many turbidite layers were obtained in a core collected from the deepest part of the Beppu Bay, off Takasaki-yama, Kyushu. Most of the turbidites had less than 1 cm in thickness, but some turbidites were a few tens cm thick. The thick turbidites had a few cm thick sandy part at the base and thick turbidite mud with larger amount of clastic grains, better sorted, and high wet bulk density than normal hemipelagic mud (diatom ooze). Clastic grains in turbidites might be supplied from Oita-gawa and Onogawa rivers. Formation of turbidites might be related to submarine slope failures of the river delta slopes by local earthquakes and floods.

Keywords: turbidite, Beppu Bay, sedimentary structure, earthquake, slope failure