

## Grain-size variations in the cores of ODP Leg 174A and their relation to the sequences in the Pleistocene strata off New Jersey

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Leg 174A of ODP drilled three sites (Site 1071, 1072 and 1073) on shelf and slope off New Jersey at water depth between 88 to 664 meters in June and July 1997. We analyzed grain-size distributions of the sediments of the cores in those sites and plotted mean grain-size in vertical successions. The analyses indicated that the Pleistocene sediments on the shelf included wave-influenced or fluvial influenced ones, which were formed during lowstands of sea-level. The Pleistocene sediments on the slope considered to be including fine-grained sediments deposited during maximum flooding at the warm period of oxygen isotope Stage 11 and coarse sediments deposited during the glacial periods of Stage 2, 4, 6, 8 and 10.