Collapsing processes of oceanic volcano islands: Nuuanu landslide, offshore of Oahu and Hilina slump, offshore of Hawaii

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none

Kairei and ROV/Kaiko Cruise KR98-08 and 09 at the offshore of Oahu and Hawaii were operated in 1998. We made bathymetric maps, dredges, piston corings and remote-controlled dives collecting rock samples. Nuuanu landslide extends more than 230km away from the northeast shore of Oahu. We recovered vesiculated basaltic pebbles from the top of the largest Tuscaloosa hummocky hill. This means that top of the hill was under the shallow-sea environment prior to the slide event. Hilina slump at the southeast shore of Hawaii consists of a series of scarps and benches. Rocks recovered from the scarps consists predominantly of volcanogenic sediments with limited number of pillow breccia.