

## Detailed bathymetric map of Nuuanu and Wailau Slides, Northeast of Oahu Island

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Multibeam bathymetric and sidescan sonar mapping was carried out over the large debris avalanche deposits of the northern shores of Oahu and Molokai Islands during the Hawaiian cruise of R/V cruise Kairei in August 1998. More than fifty blocks are found in the region, including Tuscaloosa with 30 km x 20 km x 1500 m in size and located at 100 km from Oahu. The blocks are 5-20 km long, 2-20 km wide and 300-1500 m high above the surrounding seabed. The Nuuanu slide blocks from Koolau volcano on Oahu strike in the NW-SE direction, while the Wailau slide blocks are generally striking E-W. Clearer separation of the two slides can be combined with further petrologic studies to estimate the relative timing of the two slides.

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