

## Nankai Earthquake recurrences recorded in lacustrine sediment

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We collected total nine cores from Sugari-oike facing the Kumano-nada Sea. The cores cover 0-3500 years in interval through the latest Holocene time. Total eighteen tsunami sand layers found in light-brown colored plant-rich material. Several tsunami sediments can be correlated to the historical records such as the Ninnu Tonankai (AD 887 year) and Tenmu Tonankai (AD 684 year). Among 1000 years interval, we can recognize five-layers

in top 200 cm cores. The other hand, three tsunami layers yield in these cores which correspond 2000, 2300 and 2500 years respectively.

Relative intensity of tsunami is difficult to know because of paleoenvironmental condition are not stable because of having several tsunami-pass inlet.

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