

## The 2000 years ago tsunami event in the Kamoda-oike pond, eastern end of Shikoku Island

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Nankai earthquakes are plate boundary earthquake associated with the Nankai Subduction Zone that have been recorded in historical documents a total of nine times since the Tenmu Nankai earthquake in A.D. 684. In order to reveal pre-historical evidence of Nankai earthquakes, we investigated core sediments from ponds and lakes on the coast of southwestern Japanese Islands along the Nankai Trough.

We collected eight vibrocore samples from the Kamoda-oike pond which located in eastern end of Shikoku Island. Stratigraphical study and radiocarbon dating of these samples revealed that Kamoda-oike pond recorded only one tsunami event in 2000-2300 years ago during last 3500 years.

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