

Tsunami traces detected in the lagoon bed deposit layer of Suwa-Ike pond, Kii-Nagashima Town, Mie Prefecture

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Oiston core samplings were made for the lagoon bed layer at four points in Suwa Ike pond, Kii-Nagashima town, Mie Prefecture. We found out 9 sand layers which were formed by tsunamis accompanied with a series of gigantic Tokai earthquakes.

Upper two traces are probably tsunamis of the 1854 Ansei Tokai, and the 1707 Hoei Tokai earthquakes. C-14 dating shows that the oldest tsunami trace was formed by a tsunami of 6 century BC.