

Tsunami traces in the sediment layer of the lagoon bed of Lake Ooike, Sukari-Ura, Owase city, Mie Prefecture

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We sampled piston cores of the lagoon bottom layer at three points in Lake Ooike, Owase City, on the SE coast of Kii peninsula. We found out 8 thin sand layers, which were formed by historical and pre-historical tsunamis at St. 2, near the east mouth of the lagoon. Upper three traces are presumable to be these of the 1361 Shouhei-nankai, the 1096 Kaho-Tokai, and the 877 Nin-na (or 684 Hakuho) earthquakes. The oldest trace shows a tsunami of the year of 2480+-40yBP.