

Two-types seismic events recorded in Lake Hamana, Shizuoka Prefecture, Japan

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Lake Hamana situates between Tokai and Tonankai earthquake estimated provinces. We tried to reconstruct tsunami history recorded in the lake sediment by using high-resolution acoustic tools and piston coring. One remarkable sand layer corresponds to the Hiei (1707AD) Earthquake event is thickening toward lake-mouth and wide-spread into the basin. The other layer found in the boundary between horizontally stratified and deformed strata, which has been considered by deformation caused by active faulting. The latest event occurred in 3500yBP and the one after before 6000yBP to 7000yBP approximately.