

Researches on largest-possible mega tsunamis along the Nankai trough based on examination of paleotsunami deposits

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Since the 2011 Tohoku-oki earthquake and associated mega-tsunami, the Japanese Government has encouraged its people to prepare for largest-possible mega earthquakes and tsunamis generated in the Suruga and Nankai troughs, southwest Japan. The government also presented selection of earthquakes and tsunamis for hazard assumption based on scientific knowledge such as analysis of ancient documents and surveys of tsunami deposits and coastal topography. Many researchers of Paleosciences Society have examined paleotsunami deposits from cored deposits and trenches on the coastal area of Shizuoka Prefecture, Japan. No geological evidences of the largest-possible mega tsunamis have been found on the study areas.

Keywords: Nankai trough, largest-possible mega tsunamis, paleotsunami deposits