

Facies and chemical analysis of the 2011 Tohoku earthquake tsunami deposit for identification of paleotsunami deposit

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The 2011 Tohoku earthquake accompanied gigantic tsunami that caused severe damage along the Pacific coast of Hokkaido, Tohoku and Kanto districts.

We have conducted facies and chemical analysis of the tsunami deposit for identifying paleotsunami deposits at the Sanriku-cho, Ofunato city. We carried out the observation of these deposits by pit and boring survey in the field, and grain size analysis, EC, ion analysis, stable isotope analysis in the laboratory.

We will present a detailed result and conclusion at the poster.

Keywords: The 2011 Tohoku earthquake, Tsunami, Tsumani deposit, Facies, Chemical analysis, Paleotsunami deposit