

Microtopography formed by the 2011 Tohoku earthquake tsunami and facies of tsunami deposit at Yoshihama, Iwate

SASAKI, Toshinori^{1*}, Makoto Yanagida², UETA, Keiichi¹

¹CRIEPI, ²Hanshin Consultants

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

We have conducted microtopography and facies analysis of the 2011 Tohoku earthquake tsunami deposit at the Sanriku-cho, Ofunato city. We carried out the observation of topography using detailed DEM after the earthquake, and facies analysis in the field. Distribution of tsunami deposit have crevasse splay like topography. There are a lot of dunes in this distribution area.

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

Keywords: The 2011 Tohoku earthquake, Tsunami, Tsunami deposit, Microtopography, Facies analysis