

Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

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MIS036-P123

Room:Convention Hall

Time:May 27 14:15-16:15

Tsunami deposits associated with the 2011 off the Pacific coast of Tohoku earthquake -examples from Miyagi and Chiba-

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We observed tsunami deposits in Sendai Plain, City of Hitachi, City of Kashima, and Hasunuma coast of Chiba Prefecture, associated with the 2011 off the Pacific coast of Tohoku earthquake.

In Sendai Plain, we observed sedimentary structure and thickness of tsunami deposit along leveled transect of Isohama and Ushibashi (Town of Yamamoto). The deposits show landward thinning and fining. In City of Hitachi, the tsunami deposit shapes a fan and the sand thins toward its fringe. Surface sediment has ripples and the direction of the current shows toward outside. In City of Kashima and Hasunuma coast, extensive sand and mud sheet distribute on paved road near the sea. We made diatom analysis on samples from tsunami deposits of Hitachi, Kashima, and Hasunuma.

Keywords: Tsunami deposit, 2011 off the Pacific coast of Tohoku earthquake, Sendai Plain, Ibaraki, Chiba