

## Effect of topographical and hydraulic features on distribution range of the 2011 Tohoku-oki earthquake tsunami deposit

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Effect of topographical and hydraulic features on distribution range of tsunami deposit was investigated after the 2011 Tohoku-oki earthquake tsunami. We visited coasts located from Misawa city in Aomori Prefecture to Sammu city in Chiba Prefecture and investigated 19 coasts which had been clearly inundated by the tsunami. We confirmed tsunami deposit in 18 coasts with a slope of less than 0.08 and tsunami deposit reached near the limit of the tsunami inundated area in 15 coasts though the run-up height of the tsunami is less than 10 m in some coasts. The detail analysis of the obtained sample and estimation of hydraulic features of the tsunami inundation using a numerical simulation are still ongoing. We are going to show more data in the presentation.

Keywords: tsunami deposit, the 2011 Tohoku-oki earthquake, field investigation, numerical simulation