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HSC24-04 Room: 102B Time: May 23 09:45-10:00

Distribution of Liquefaction Damage in Inland Area and its Evaluation in Hazard Map: A Case Study of Abiko City

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Aside the tsunami disaster, major liquefaction damage caused by the off the Pacific coast of Tohoku Earthquake occurred in Tohoku and Kanto districts. Liquefaction damage in inland area was concentrated into a small extent where special land histories exist, e.g. reclaimed land, former river channels and filled former valleys. The authors investigated the distribution of liquefaction damage in Abiko City, Chiba Prefecture, examined whether risk evaluation of liquefaction hazard map met with actual damage or not, and considered the problems of the process of risk evaluation. As conclusion, they discuss how hazard map should be created and used.

Keywords: off the Pacific coast of Tohoku Earthquake, liquefaction, land history, filled land, liquefaction hazard map

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