

Natural disaster triggered by landuse change on the former river course

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The reclaimed land located on the lowlands of the Tone River plain was suffered by riquerfaction after 11th March 2011 Mega earthquake. The damaged area is assessed by landform, underground water, sedimentation of the surface soil and recent landuse change in this study and the author got the important land form series such as former river course and boundary between former river course and sand spits along the present Tone River using mesh maps including landuse change maps, geomorphologic land classification map, bore hole data maps, underground water maps.

Keywords: former river course, landuse change, disaster, assessment