

Comparison of distribution of liquefaction in the Tone River lowland by using Google Earth images with the microtopograp

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The authors mapped the distribution of liquefaction in the Tone River lowland by the 2011 off the Pacific coast of Tohoku Earthquake on the basis of Google Earth images (taken on Mar. 29, 2011) interpretation. In addition, we drew microlandform classification map by using aerial photographs, the Rapid Survey Maps, and the Landform Classification Maps for Flood Control and compared both maps. A large number of the liquefied sites are located on the former river channels, their inner banks, old lakes had been reclaimed. By constars, a part of reclaimed lands and sand bar area are little liquefied.

Keywords: Google Earth, liquefaction, microtopography, land history, Tone River lowland, 2011 off the Pacific coast of Tohoku Earthquake