

## Relationship between geologic character of liquefaction and seismic wave as the case of 2000 Western Tottori Earthquake

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The Western Tottori Earthquake ( $M=7.3$ ) has occurred the western part of Tottori Prefecture at 13:30 on 6 October in 2000. Liquefaction has occurred on the reclaimed lands in Tottori and Shimane Prefectures. Especially Takenouchi reclaimed land in Tottori Prefecture was greatly damaged by the liquefaction. I researched the geologic character of the liquefaction of Takenouchi reclaimed land and considered about the relationship between the liquefaction, seismic disaster and seismic wave. Based on observation and analysis, the liquefaction is related with ground structure and seismic wave.