

# Liquefaction of ground caused by the Miyagi-ken Oki and Miyagi-ken Hokubu Earthquakes of 2003

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Large-scale liquefaction of ground was caused by the Miyagi-ken Oki (5/26) and the Miyagi-ken Hokubu (7/26) Earthquakes of 2003 in Naruse town, Miyagi Prefecture. Hamaichi and Ushiami district, specially, had a large area of liquefaction. The distribution of liquefaction area has been recognized by airphotograph which was taken after the earthquakes.

We have carried out the detailed field survey including physical research such as boring and electric research for the underground geology, in order to reveal the underground structure related with liquefaction and the mechanism. In the session, we will present the detailed results of the research.