

Japan Geoscience Union Meeting 2011

(May 22-27 2011 at Makuhari, Chiba, Japan)

©2011. Japan Geoscience Union. All Rights Reserved.



MIS036-P158

Room:Convention Hall

Time:May 27 14:15-16:15

Analytical result based on liquidizing investigation of the 2011 off the Pacific coast of Tohoku Earthquake

Shigeki Senna^{1*}, Hiroyuki Fujiwara¹

¹NIED

In the 2011 off the Pacific coast of Tohoku Earthquake, the ground hazard by a lot of liquidizing was generated in the Kanto region. The ground hazard by liquidizing was known from of old. It was recognized again to cause an extensive ground hazard by liquidizing in this earthquake.

It is thought that liquidizing is generated by the earthquake in the future again.

Specific and the verification of the liquidizing region generated in the large area due to this earthquake are indispensable.

In this study, the liquidizing region chiefly generated in the Tone river area in Ibaraki Prefecture and Chiba Prefecture was surveyed, and the problem and the technique of the analytical result were examined.

Keywords: Liquidizing, Nonlinear, Strong Ground Motion, Structure Model, Geomorphologic Condition