

Relationship between seismic intensity and regional damage due to the 2007 Noto Hanto earthquake

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During the Noto Hanto earthquake of March 25, 2007, 5- through 6+ of the seismic intensity in JMA scale was observed from Toyama city to Wajima city near the hypocenter, and the damage of housing collapses and land subsidence was caused at many places in Ishikawa prefecture. We performed the field investigation around the strong motion observation points in two days from 27th to 28th of March, which focused mainly to know the regional damage state in relation to the seismic intensity level. The total collapses were occurred in old wooden houses and storehouses, while structural damage was scarcely observed at reinforced concrete buildings except the foundation subsidence due to liquefaction of soil. The housing collapses were appeared from the area with 6- of the intensity, which was consistent with the relation between collapse rate and seismic intensity obtained from the 1995 Hyogoken-nanbu earthquake.