

Temporarily Report on an Urgent Onland Investigation of the ground response to the Noto Hanto Earthquake in 2007 with

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The Noto Hanto Earthquake (Mj6.9 determined by JMA), occurred on 09:42, March 25, 2007(JST) at the west coast of northern Noto Peninsula demonstrates an elongated aftershock area across land and sea in a NW-SE trend. We have conducted an urgent investigation of the ground response to the earthquake. Although many damaging phenomena of artificial structures such as houses, woodland paths, asphalt paved roads, manholes, shore protections, and so on, no significant earthquake fault was found on land. Remarkable uplifting of rough seashore was observed around Sekinohana coast, near the epicenter.

The largest landslide of the ground disaster by the present earthquake occurred along the 80 meters high, abrasion cliff at Fukami-Kaiso coast in the western Wajima City, where the seismogenic submarine fault is landing northeastwards. Remarkable striation and bruised step were observed everywhere on the uppermost, vertical slid-surface, indicating right-lateral strike-slip and uplifting of the southeastern block. A continuation of the submarine active fault might be caused the head-sinking type of slope collapse.

More investigations are necessary in the epicenter area both on land and sea bed in order to understand the seismo-tectonics of the damaging earthquake accurately.