

Preliminary report on the landslides, Oct. 2013, Izu-Oshima Volcanic island, central Japan: Shallow landslide, landforms

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Before dawn of 16th October 2013, the heavy rain associated with Typhoon Wipha (1326) caused landslides disaster in Izu-oshima volcanic island, 120 km south of Tokyo. Many shallow landslides occurred on the west slope of the Younger edifice of Pre-caldera volcano, facing Moto-machi Town. Several reports (e.g. Ministry of Land, Infrastructure, Transport and Tourism; http://www.mlit.go.jp/river/sabo/h25_typhoon26/izuooshimagaiyou131112.pdf) have suggested that the distribution of the landslides overlap the area of lava flow effused 14 Centuries (AD1338?). For examine this relation between landslides and the geomorphological and geological conditions, we preliminary surveyed shallow landslides, landforms and geology along the Go-jinka Sky Line on the slope of the Younger edifice of Pre-caldera volcano, 7th and 8th of December and 4th to 6th of January. In presentation, we will report results of field survey for shallow landslides, landforms and geology in detail.

Keywords: Izu-Oshima, Typhoon Wipha (1326), Shallow landslide, Fall-out tephra, Lava flow