

Distribution and land conditions of the liquefied sites caused by the 2016 Kumamoto Earthquake

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Distribution and land conditions of the Liquefied sites caused by the 2016 Kumamoto Earthquake were investigated by the field survey and aerial photo interpretation. A large number of the liquefaction damages were concentrated on the zonal area located on the natural levee between the Shirakawa River and Kasegawa River. A number of the liquefied sites were observed on the former river channels and natural levees along the Shirakawa River, Midorikawa River and Kasegawa River. Sand boils were also observed at the refilled lot of gravel pits along the Midorikawa River.

Keywords: liquefaction, former river channel, natural levee, refilled gravel pit, land condition