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Distribution and properties of geo-hazards along road-slope and river levee by the 2011 off the Pacific coast of Tohoku

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Distribution and properties of geo-hazards such as landslides and liquefaction along road slope and river levee by the 2011 off the Pacific coast of Tohoku Earthquake were investigated due to official data and our original field investigation.

Density of these disasters is higher on the soft rock region than on the hard rock region. Several big landslides have occurred along national roads, in which unstable topographical properties are clearly recognized.

Keywords: earthquake, road slope, river levee, slope failure, landslide, liquefaction