

EARTHQUAKE INDUCED-LANDSLIDE HAZARD MAP Province of Bohol

Legend

- High Susceptibility
- Moderate Susceptibility
- Low Susceptibility

- Municipal boundary
- Road
- River

EXPLANATION

Earthquake-induced landslide hazard map was produced by simulating the largest possible earthquake magnitude along East Bohol Fault, Maribojoc Fault, and North Bohol Fault. Landslide potentials were calculated using A) the computed Factor of Safety (FoS), B) simulated ground shaking by Fukushima and Tanaka, and C) critical acceleration of slope by Newmark method. The result shows the possible landslide initiation zones at varying degrees, i.e. high, moderate, low.

SOURCES OF DATA

Hazard data from PHIVOLCS 2016 and PHIVOLCS Investigation of the 2013 M7.2 Bohol Earthquake;
Administrative boundary from NSO 2000;
Base map from NAMRIA



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