

EARTHQUAKE - INDUCED LANDSLIDE HAZARD MAP




PROVINCE OF BOHOL

Region VII - Central Visayas

Scale 1:100,000

0 5,000 10,000 20,000
Meters

Spheroid: Clark 1866
Projection: Universal Transverse Mercator (UTM)
Horizontal Datum: Luzon 1911
Vertical Datum: Mean Sea Level



LEGEND

-----	Contour Index	-----	Contour Intermediate
-----	Municipal boundary	-----	Contour Supplementary
-----	Hard Surface Road	-----	Contour Depression
-----	Light Surface Road	-----	Coastline
-----	Fair Weather Road	-----	Bridges
-----	Loose Surface Road	-----	x 1176 Spot elevation
-----	Cart Track: Trails	-----	Rivers and Creeks
-----	Intermittent Rivers	-----	Forested Area
-----		-----	Water Body

SUSCEPTIBILITY

	High Susceptibility
	Moderate Susceptibility
	Low Susceptibility
	Not Susceptible
	Possible landslide depositional/affected zone

EXPLANATION

Earthquake-induced landslide hazard map was produced by simulating the largest possible earthquake magnitude occurring in the area. 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 and low. Hatched areas show the possible depositional extent of landslide materials and is considered part of the areas that may be affected by landslides.

SOURCES OF DATA

Hazard Data from Philippine Institute of Volcanology and Seismology (PHIVOLCS - DOST) 2008
Administrative boundary, National Statistics Office (NSO) 2000
Topographic map 1:50,000 scale, NAMRIA

Disclaimer:
Administrative boundaries are approximate.

LOCATION MAP

