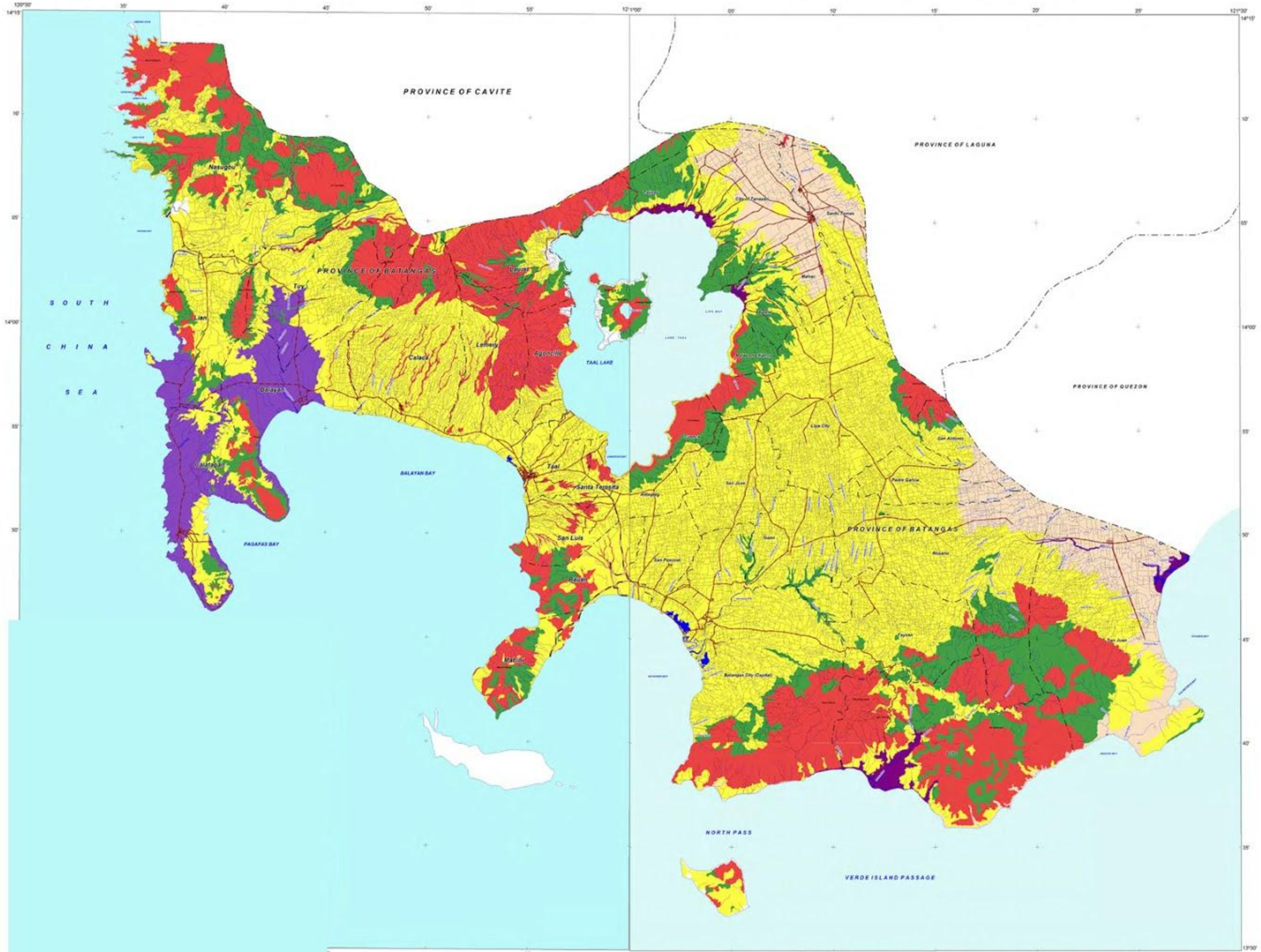
LANDSLIDE AND FLOOD SUSCEPTIBILITY OF BATANGAS PROVINCE, PHILIPPINES



INDEX MAP

LEGEND :

High susceptibility to landslide

Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.

Moderate susceptibility to landslide

Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.

Low susceptibility to landslide

Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.

High susceptibility to flooding

Areas with greater than 1 meter flood height. These areas are usually flooded for several hours during heavy rains; include landforms of topographic lows such as active river channels, abandoned river channels and areas along river banks; also prone to flashfloods.

Low to moderate susceptibility to flooding

Areas with less than 1.0 meter flood height. These are usually inundated during prolonged and extensive heavy rainfall or extreme weather condition

Main Road
Secondary Road
Trail Road
River
Municipal boundary

N
W E
S
0 4 8
kilometers

TRANSVERSE MERCATOR PROJECTION
MAPPING SCALE 1:100,000

GIS Processing :
Lands Geological Survey Division

Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO IV-A and C.O.

Base Maps :

Sheet No. 3260 I "Malabrigo Quadrangle"
Sheet No. 3261 II "San Juan Quadrangle"
Sheet No. 3261 I "Tiaong Quadrangle"
Sheet No. 3260 IV "Lobo Quadrangle"
Sheet No. 3261 III "Batangas Quadrangle"
Sheet No. 3261 IV "Lipa City Quadrangle"
Sheet No. 3229 III "Calamba Quadrangle"

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