

LANDSLIDE AND FLOOD SUSCEPTIBILITY MAP OF GABALDON QUADRANGLE, AURORA 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.
 - Possible landslide Debris Accumulation Zone**
These are areas where landslide debris could accumulate.
 - **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.
 - **Moderate susceptibility to flooding**
Areas with 0.5 meter to 1.0 meter flood height. These are usually subjected to widespread inundation during prolonged and extensive heavy rainfall or extreme weather condition. Fluvial terraces, alluvial fans, and infilled valleys are areas moderately subjected to flooding.
 - **Low susceptibility to flooding**
Areas with 0 to 0.5 meter flood height such as low hills and gentle slopes. They also have sparse to moderate drainage density.
- Roads
 - River
 - Municipal boundary
 - Barangay center location
 - Flash flood exit point



TRANSVERSE MERCATOR PROJECTION
MAPPING SCALE 1:50,000

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 III

Base Map :
Sheet No. 7273 I "Gabaldon Quadrangle"



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