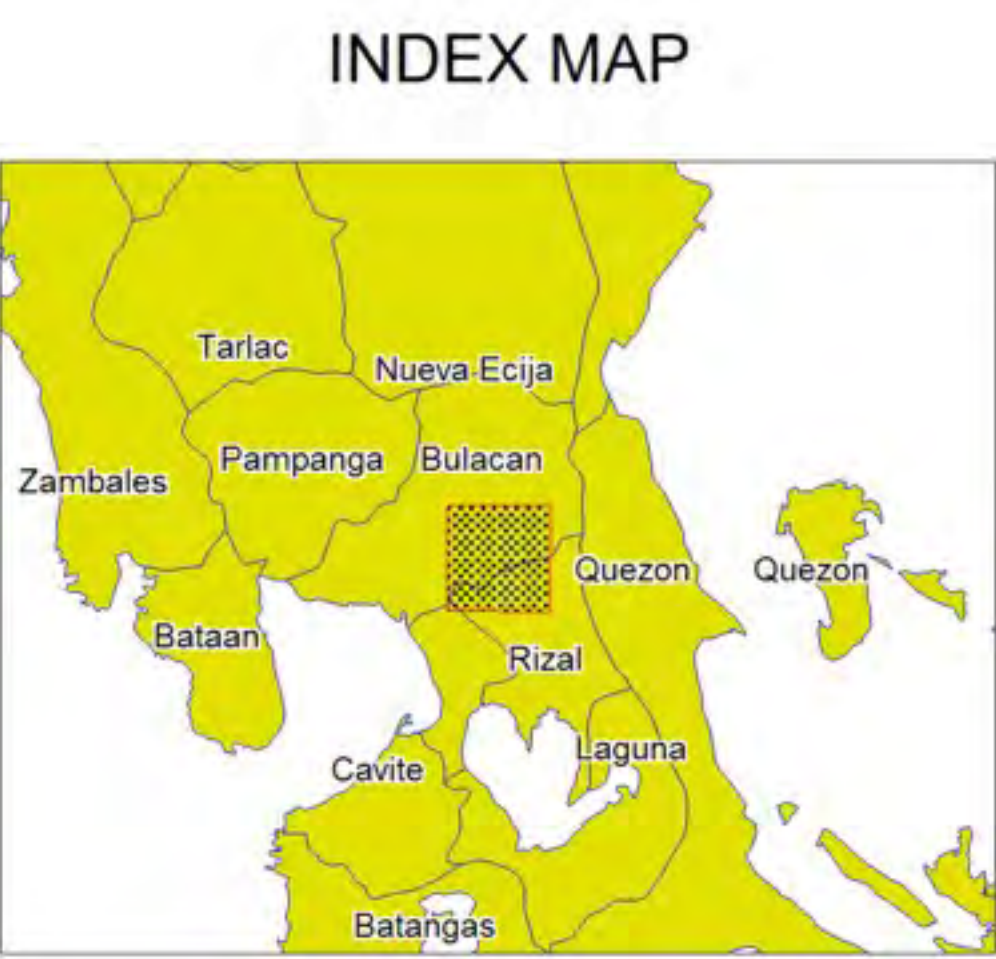
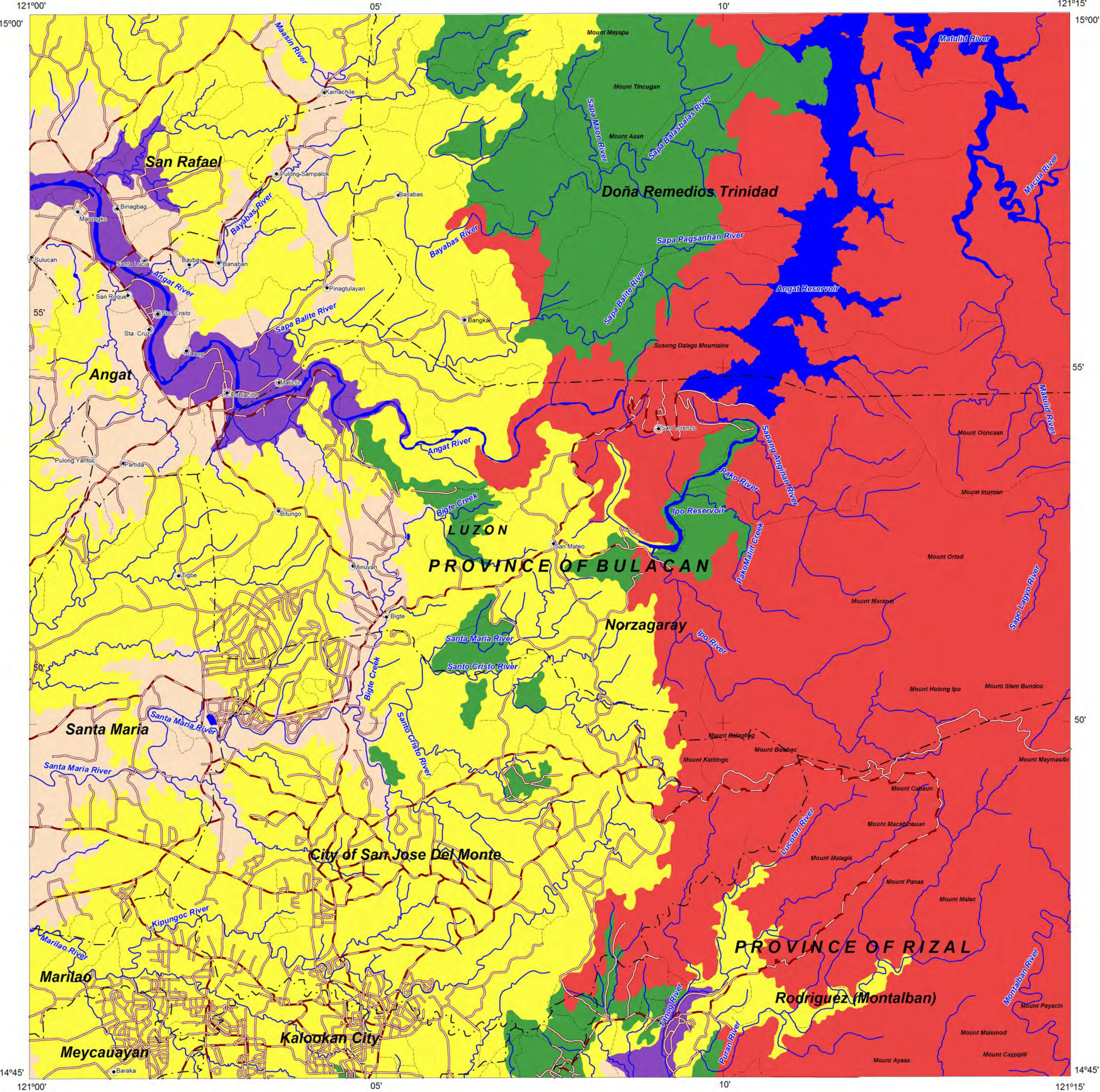
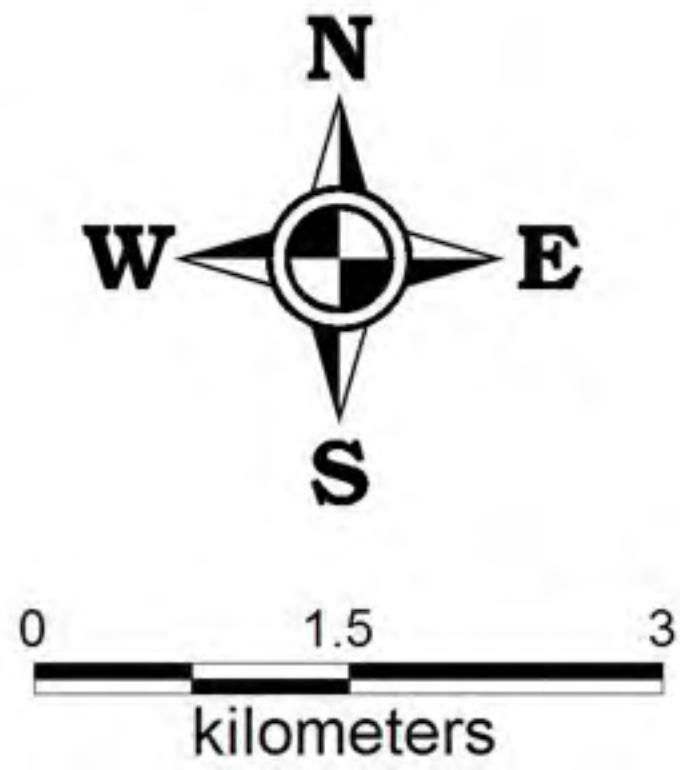


# LANDSLIDE AND FLOOD SUSCEPTIBILITY MAP OF ANGAT QUADRANGLE BULACAN AND RIZAL PROVINCES, PHILIPPINES



- 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.
- Roads  
 River  
 Municipal boundary  
 Barangay center location



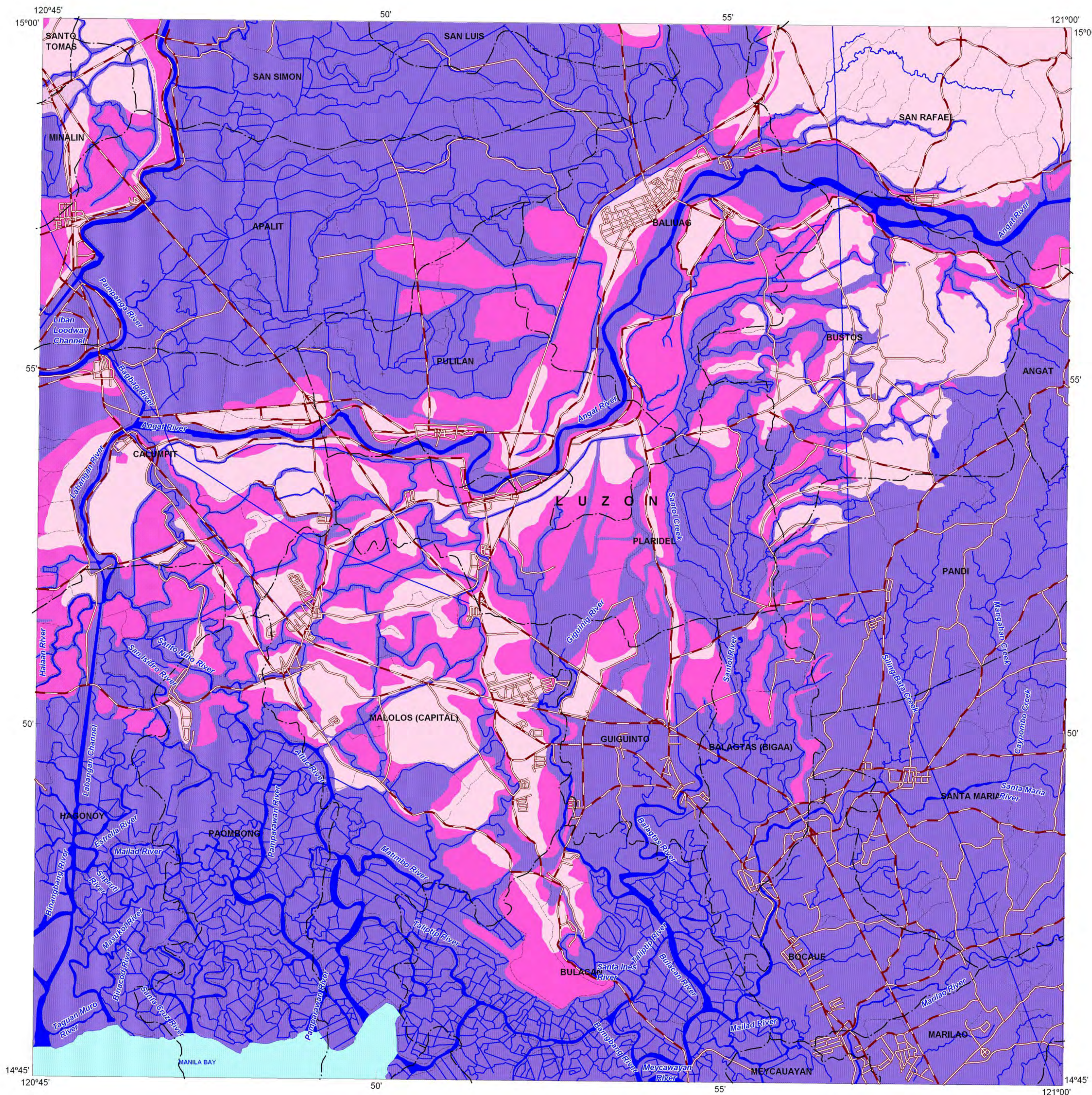
TRANSVERSE MERCATOR PROJECTION  
MAPPING SCALE 1:50, 000

**GIS Processing :**  
Lands Geological Survey Division

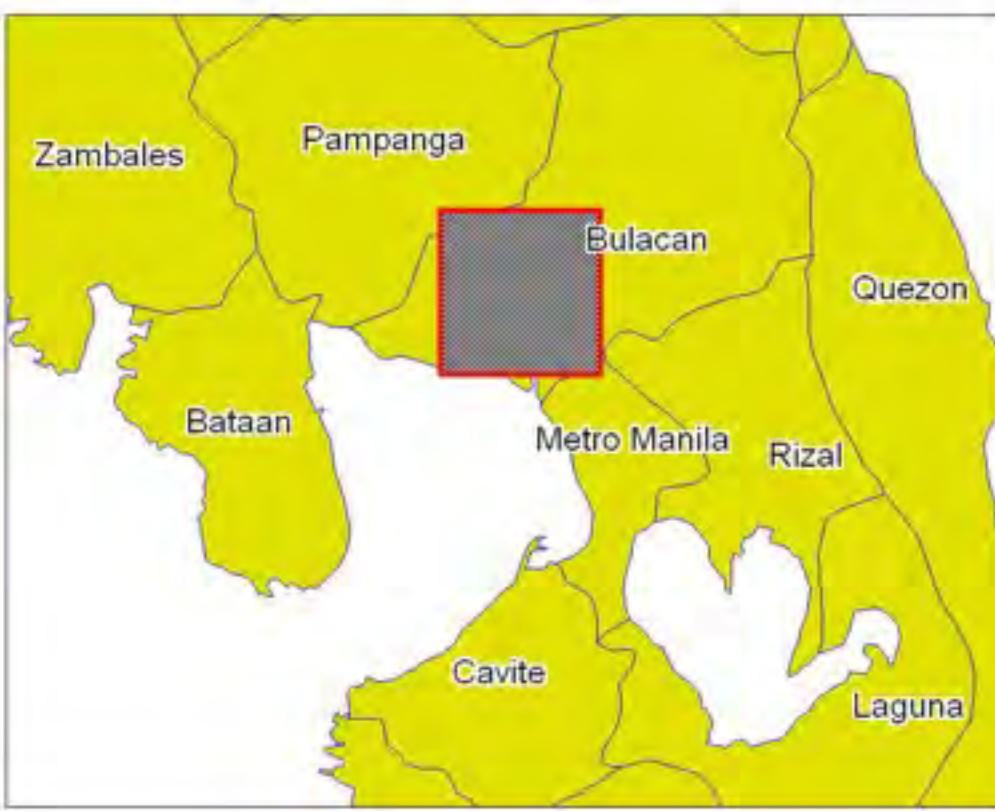
**Data Sources:**  
MGB Geohazard Assessment Team  
Geological Database and Information Systems Section  
Lands Geological Survey Division  
Geosciences Division MGB RO III

**Base Map :**  
Sheet No. 7272 IV "Angat Quadrangle"

# FLOOD SUSCEPTIBILITY MAP OF MALOLOS QUADRANGLE, BULACAN PROVINCE, PHILIPPINES



INDEX MAP



LEGEND :

- High susceptibility to flooding**  
Areas with greater than 1 meter flood height. These areas are immediately flooded during heavy rains of several hours; 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 which is 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



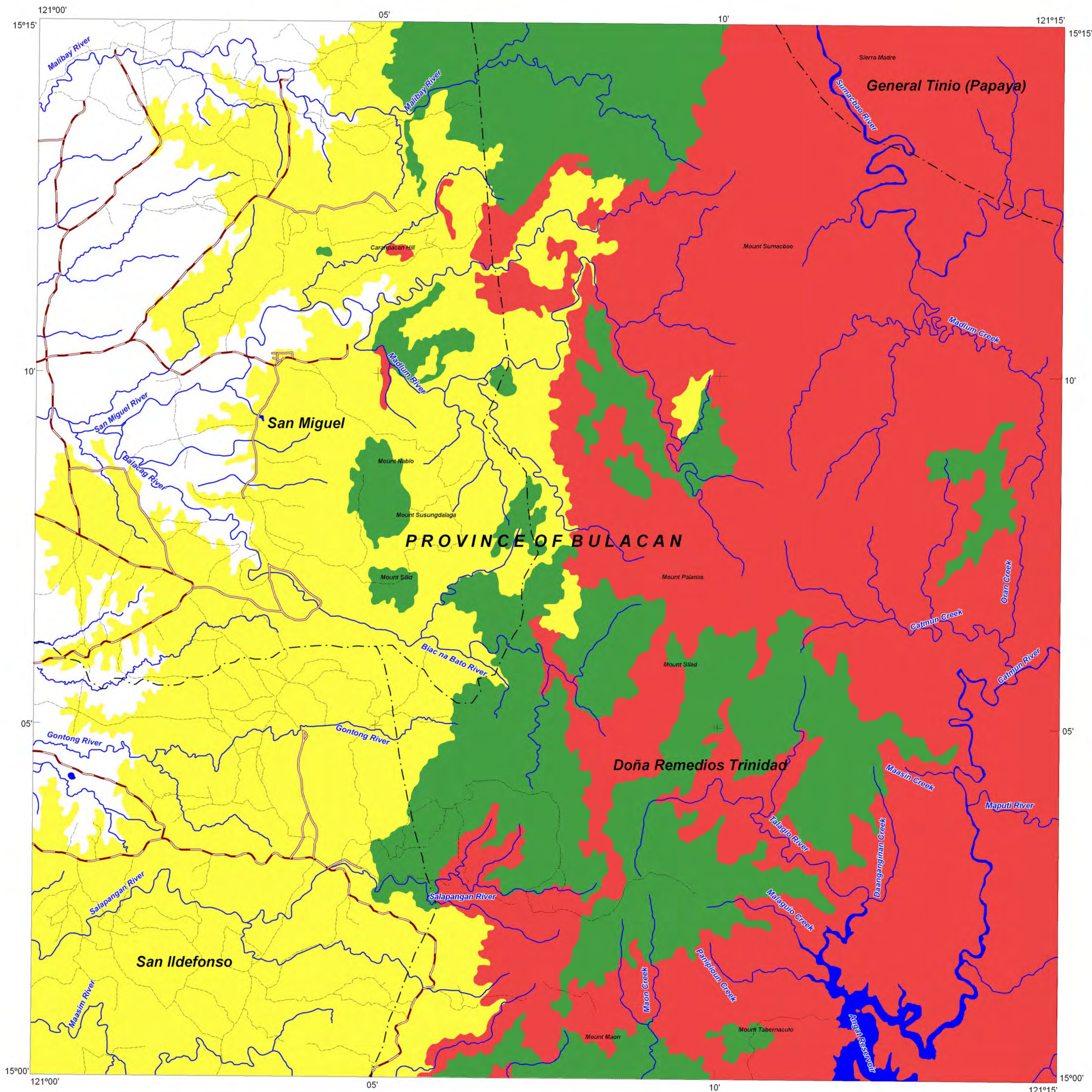
TRANSVERSE MERCATOR PROJECTION  
MAPPING SCALE 1:50,000

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. 71721 "Malolos Quadrangle"

# LANDSLIDE SUSCEPTIBILITY MAP OF SIBUL QUADRANGLE BULACAN PROVINCE, PHILIPPINES



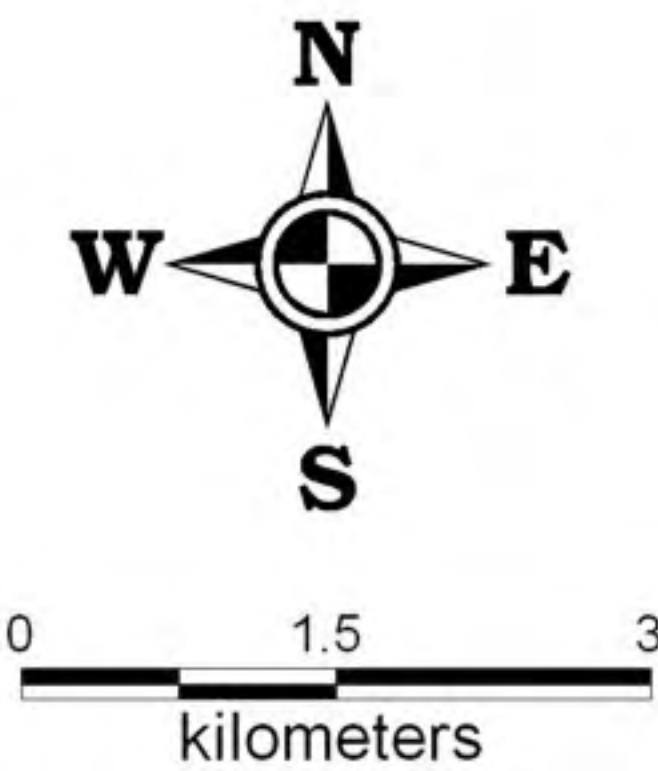
INDEX MAP



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.

- Roads
- River
- Municipal boundary
- Barangay center location



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 III "Sibul Quadrangle"



DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES  
**MINES AND GEOSCIENCES BUREAU**  
LANDS GEOLOGICAL SURVEY DIVISION