

FLOOD SUSCEPTIBILITY MAP

MUNICIPALITY OF STA. MONICA

Province of Surigao del Norte

(10k Baseline Data)

LEGEND:

- Municipality
- Barangay
- Purok
- School
- Daycare Center
- Health Facility
- Proposed Evacuation
- Regional Boundary
- Provincial Boundary
- Municipal Boundary
- Shoreline
- River & Creek
- Road Network
- Lake & Pond
- Mangrove
- Scouring

- FLOOD SUSCEPTIBILITY
- Very High
 - High
 - Moderate
 - Low

LANDSLIDE

VERY HIGH
Areas usually with steep to very steep slopes and underlain by weak materials. Recent landslides, scarps, and erosion cracks are present. Human induced effects could be an aggravating factor.

HIGH
Areas usually with steep to very steep slopes and underlain by weak materials. Areas with numerous old and inactive landslides.

MODERATE
Areas with moderately steep slopes. Soil creep and other indicators for possible landslide occurrence are present.

LOW
Gently sloping areas with no identified landslides.

ACCUMULATION ZONE
Areas that could be affected by landslide debris.

FLOOD

VERY HIGH
Areas likely to experience flood heights of greater than 2 meters and/or flood duration of more than 3 days. These areas are immediately bordered along heavy nests of elevated terrain, include topography of topographic lows such as active river channels, abandoned river channels and areas along river banks, also prone to backflow.

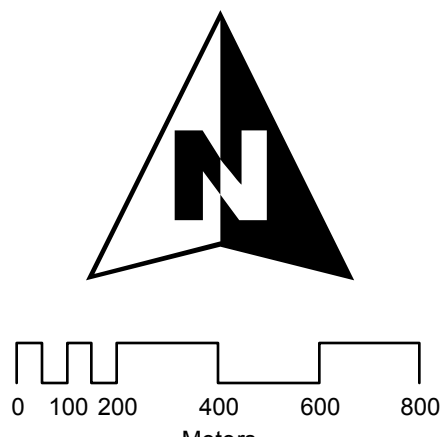
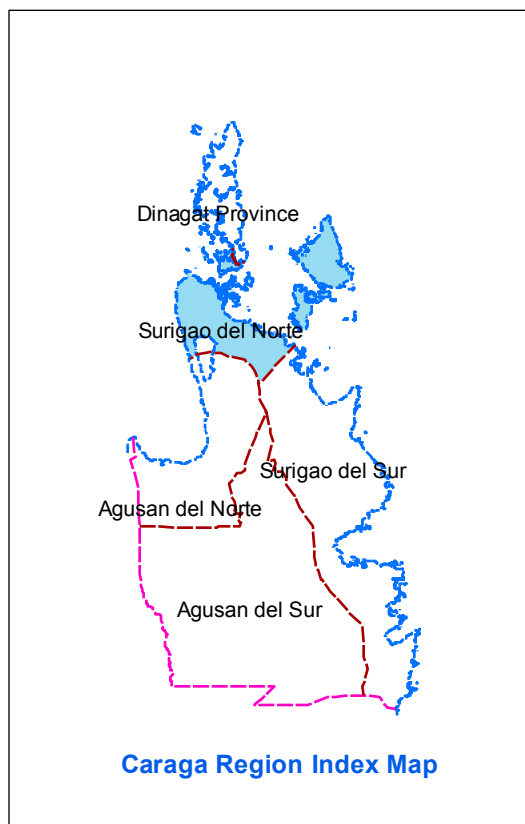
HIGH
Areas likely to experience flood heights of 1.0 to 2.0 meters and/or flood duration of more than 3 days. These areas are immediately bordered along heavy nests of elevated terrain, include topography of topographic lows such as active river channels, abandoned river channels and areas along river banks, also prone to backflow.

MODERATE
Areas likely to experience flood heights between 0.5 and 1 meter and/or flood duration of 1 to 3 days. These areas are subject to widespread inundation during prolonged and extensive heavy rainfall or extreme weather condition. Floods temporary, avoid fields, and reflect valleys are areas moderately subjected to flooding.

LOW
Areas likely to experience flood heights of 0.5 meter or less and/or flood duration of less than 1 day. These areas include low hills and gentle slopes. They also have sparse to moderate drainage density.



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