

# LANDSLIDE SUSCEPTIBILITY MAP

## MUNICIPALITY OF SOCORRO

Province of Surigao del Norte

(10k Baseline Data)

### LEGEND:

- Municipality
- Barangay
- Purok
- School
- Daycare Center
- Health Facility
- Proposed Evacuation
- Proposed ReLocation
- Regional Boundary
- Provincial Boundary
- Municipal Boundary
- Shoreline
- River & Creek
- Road Network
- Sink Hole
- Accumulation Zone
- Scarp & Tension Crack

- LANDSLIDE 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 tension 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 during heavy rains of elevated flows, include topography of topographic lows such as active river channels, abandoned river channels and areas along river banks, also prone to backflow.

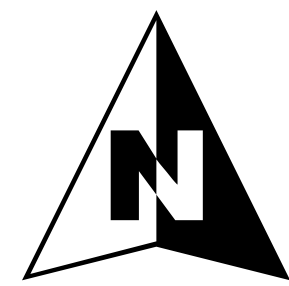
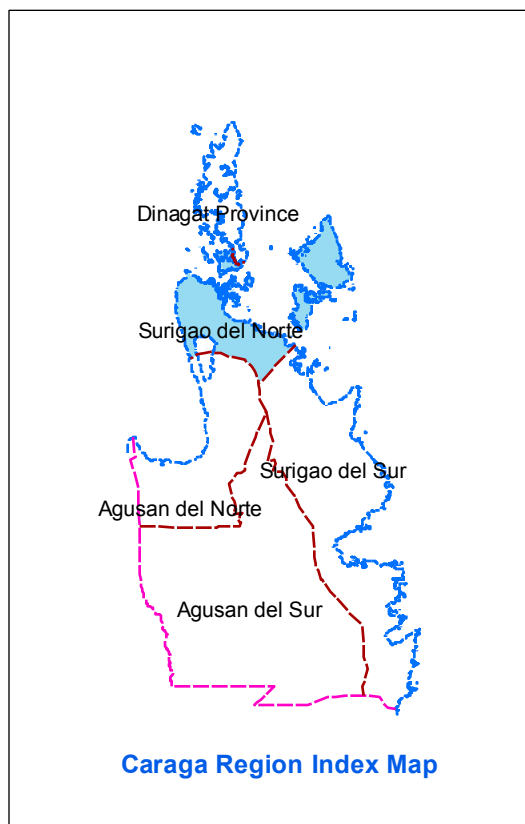
**HIGH**  
Areas likely to experience flood heights of 1.0 to 2.0 meters and/or flood duration of more than 3 days. These areas are immediately bordered during heavy rains of elevated flows. Moderate topography of topographic lows such as active river channels, abandoned river channels and areas along 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. Flooded areas, alluvial fans, and other 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.



Department of Environment and Natural Resources  
**MINES AND GEOSCIENCES BUREAU**  
Caraga Regional Office No. XIII  
Tel. No. (086) 826-5256  
<http://www.mgb13.ph> [info@mgb13.ph](mailto:info@mgb13.ph)



0 187.575 750 1,125 1,500  
Meters

1:30,000  
GCS - Luzon 1911