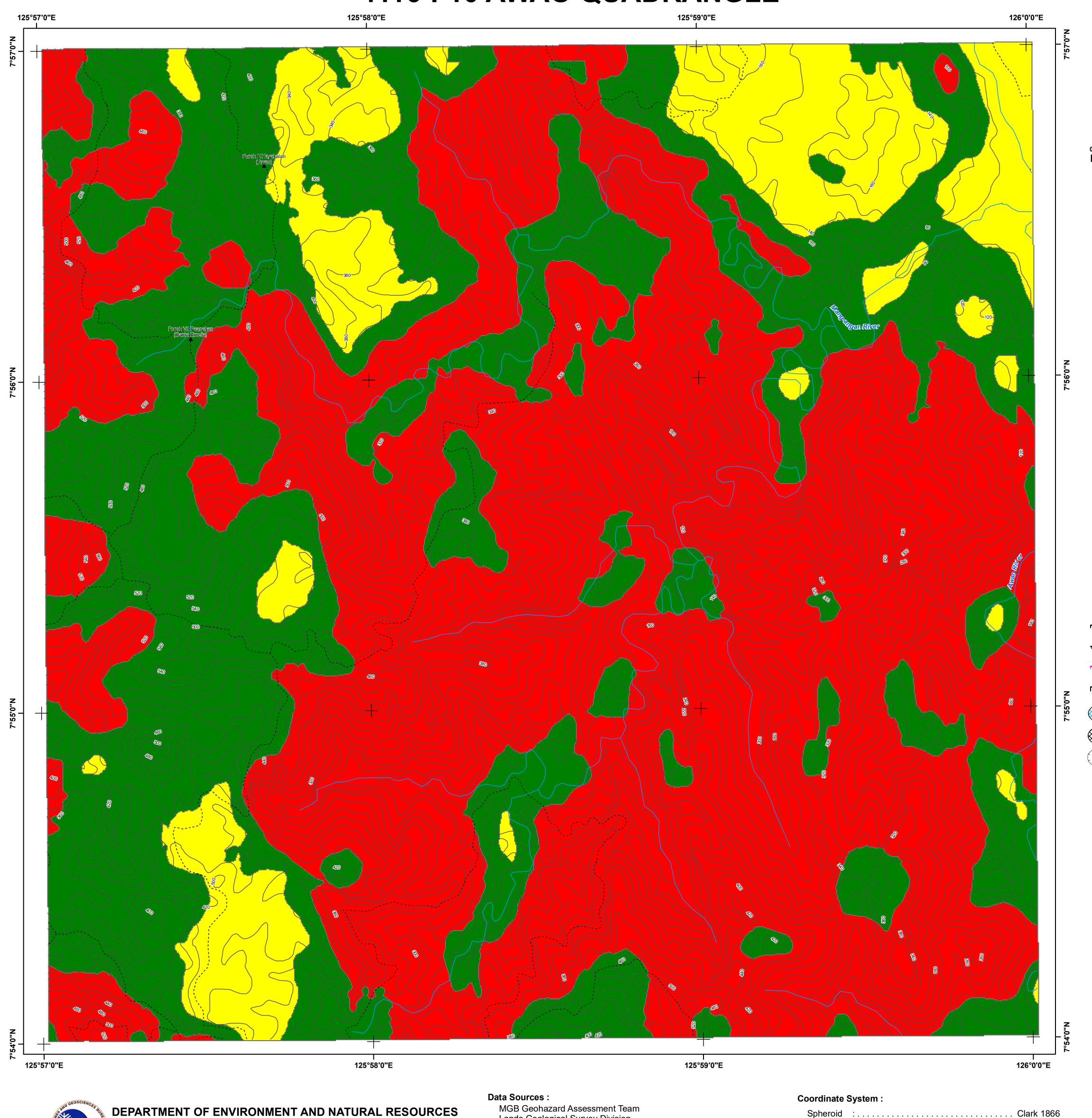


# DETAILED LANDSLIDE AND FLOOD HAZARD MAP OF VERUELA, AGUSAN DEL SUR; AND MONKAYO, COMPOSTELA VALLE, PHILIPPINES 4116-I-10 AWAO QUADRANGLE



Lands Geological Survey Division

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**GIS Processing:** 

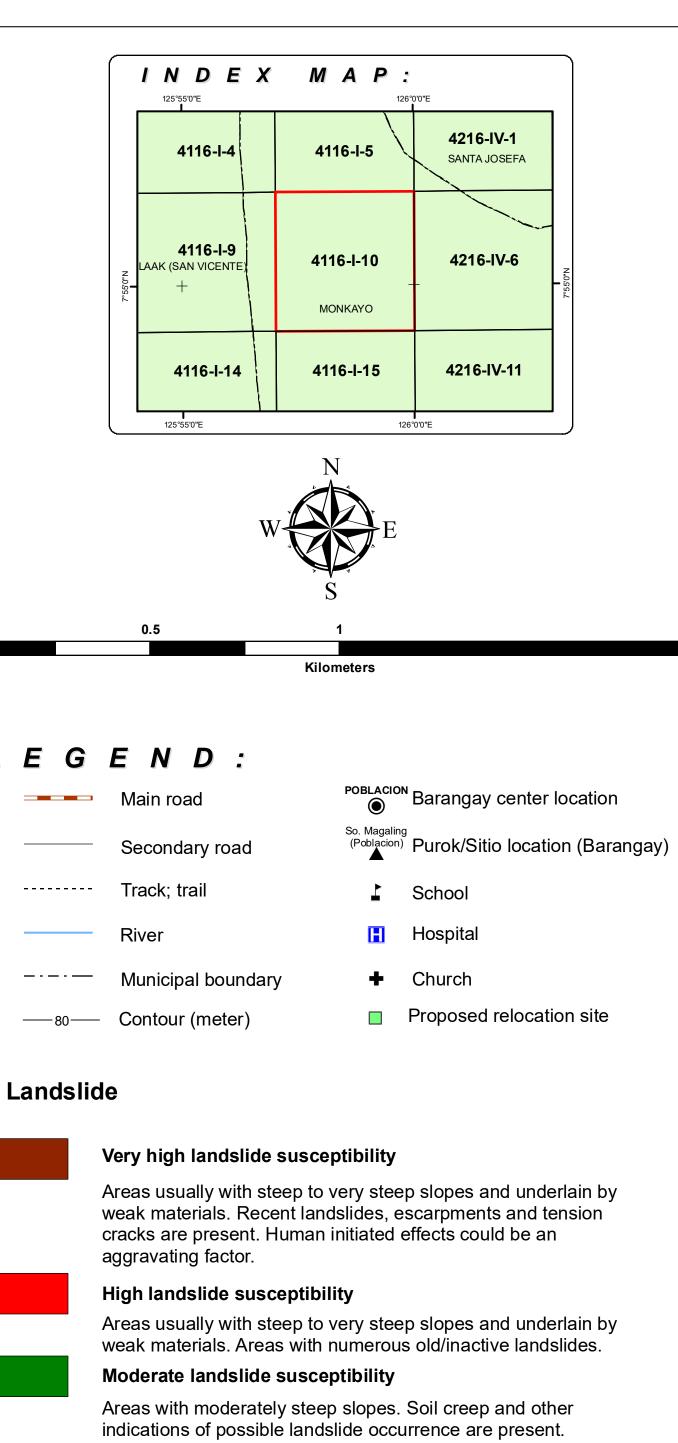
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### Low landslide susceptibility

Gently sloping areas with no identified landslide.

## Debris flow / Possible accumulation zone

Areas that could be affected by landslide debris.

### Active landslide -→->-> Creep

דדדד Inactive landslide TTTT Tension crack

### Landslide area with mitigating measure $\longrightarrow$ Gully

Rock fall/Rock slide prone area Riverbank erosion

### Old landslide deposits

Recent landslide deposits

Areas susceptible to ground subsidence/sinkhole development

### Flood

### Very high flood susceptibility

Areas likely to experience flood heights of greater than 2 meters and/or flood duration of more than 3 days. 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 area along river banks; also prone to flashfloods.

### High flood susceptibility

Areas likely to experience flood heights of greater than 1 up to 2 meters and/or flood duration of more than 3 days. 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 area along river banks; also prone to flashfloods.

## Moderate flood susceptibility

Areas likely to experience flood heights of greater than 0.5m up to 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. Fluvial terraces, alluvial fans, and infilled valleys are areas moderately subjected to flooding.

### Low flood susceptibility

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.

Projection : . . . . . . . . . . . . . . . . Transverse Mercator

Datum :..... Luzon 1911

Mapping scale 1:10,000

Direction of rising floodwater Direction of receding floodwater

