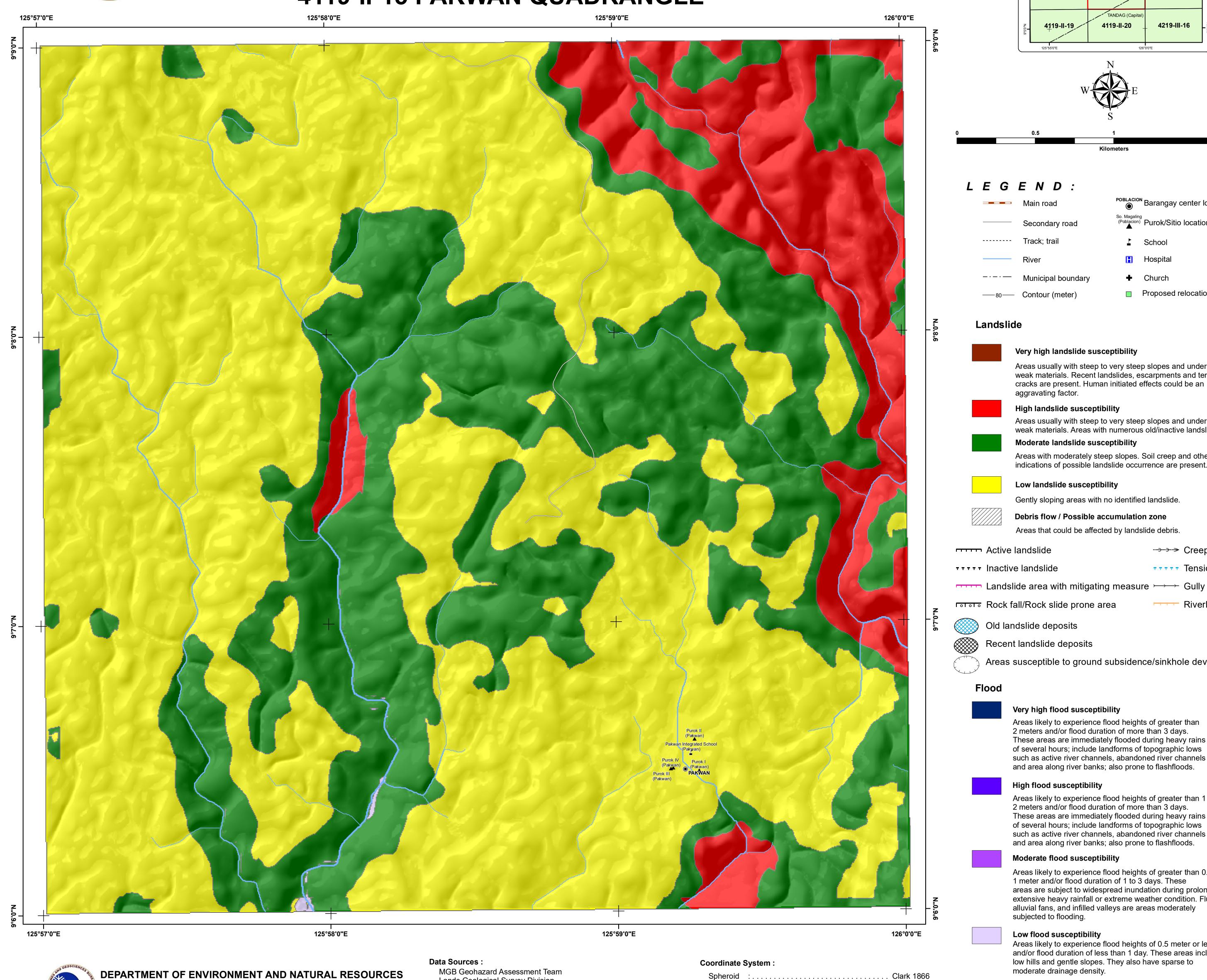
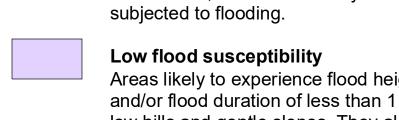
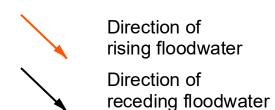


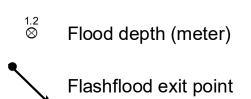
DETAILED LANDSLIDE AND FLOOD HAZARD MAP OF LANUZA, TANDAG CITY (CAPITAL) AND CARMEN, SURIGAO DEL SUR, PHILIPPINES 4119-II-15 PAKWAN QUADRANGLE





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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GIS Processing:

Lands Geological Survey Division

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MINES AND GEOSCIENCES BUREAU

Projection:.....Transverse Mercator Datum :..... Luzon 1911

Mapping scale 1:10,000

Flood

Very high flood susceptibility

INDEX MAP:

4119-II-19

Track; trail

aggravating factor.

Very high landslide susceptibility

High landslide susceptibility

Low landslide susceptibility

Moderate landslide susceptibility

Areas usually with steep to very steep slopes and underlain by weak materials. Recent landslides, escarpments and tension

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

Areas with moderately steep slopes. Soil creep and other indications of possible landslide occurrence are present.

Gently sloping areas with no identified landslide.

Areas that could be affected by landslide debris.

Debris flow / Possible accumulation zone

cracks are present. Human initiated effects could be an

Landslide

4119-II-10

4119-II-15

4119-II-20

4219-III-6

4219-III-16

So. Magaling (Poblacion) Purok/Sitio location (Barangay)

Proposed relocation site

-→-→ Creep

TTTT Tension crack

Riverbank erosion

School

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.

Areas susceptible to ground subsidence/sinkhole development

High flood susceptibility

Old landslide deposits

Recent landslide deposits

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