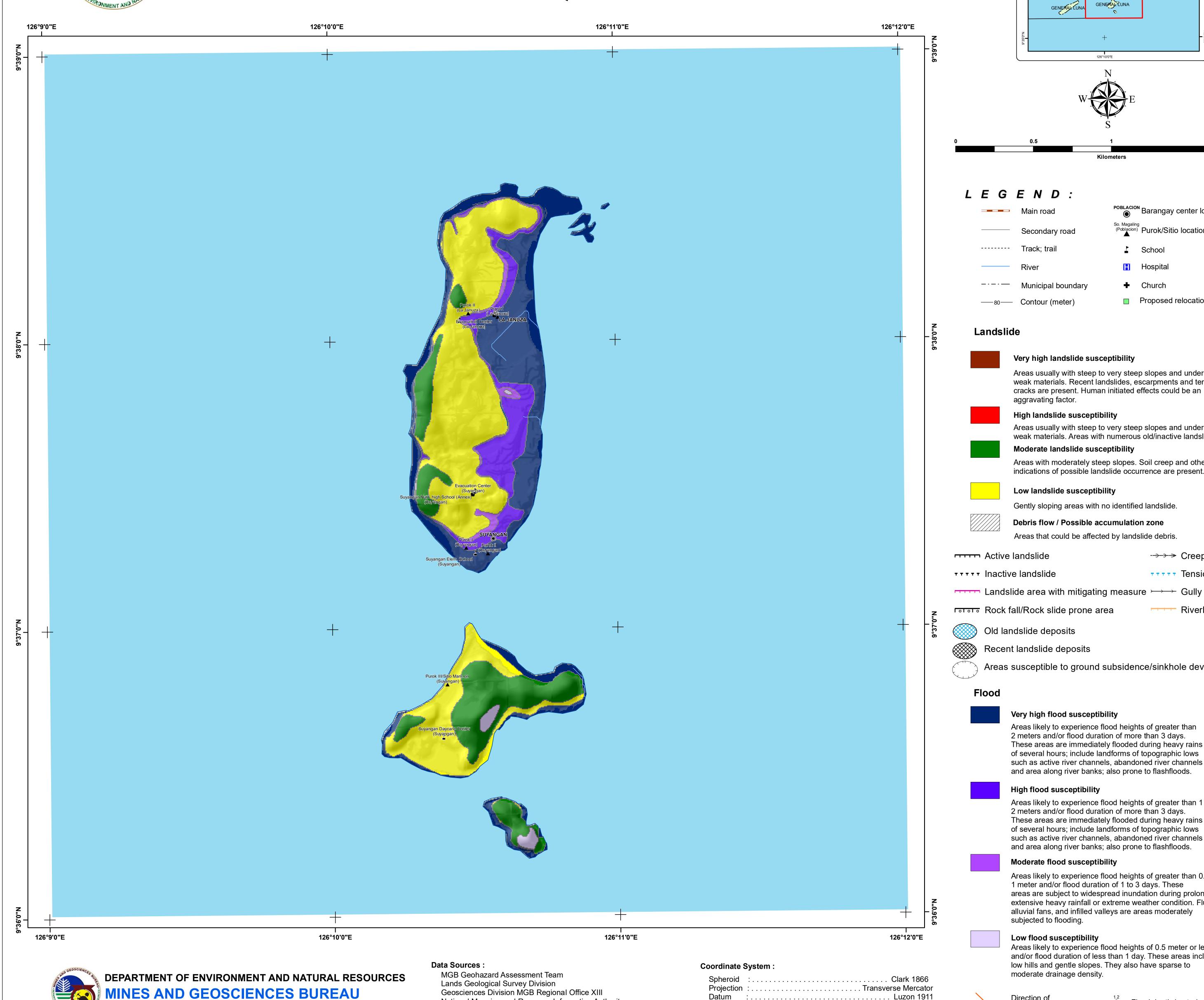


North Avenue, Diliman, Quezon City

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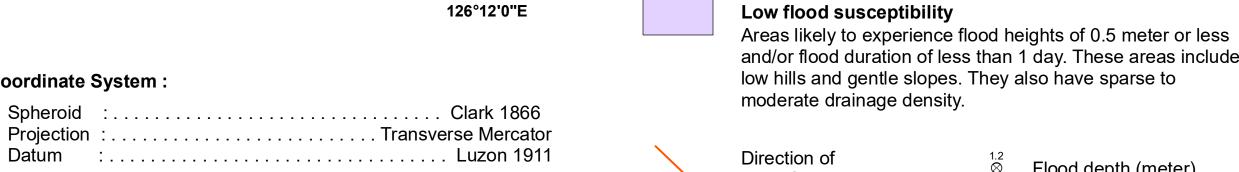
## DETAILED LANDSLIDE AND FLOOD HAZARD MAP OF GENERAL LUNA, SURIGAO DEL NORTE, PHILIPPINES 4220-III-14 SUYANGAN QUADRANGLE



National Mapping and Resource Information Authority

**GIS Processing:** 

Lands Geological Survey Division



Mapping scale 1:10,000

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. Direction of

INDEX MAP:

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

Proposed relocation site

-→->-> Creep

TTTT Tension crack

Riverbank erosion

4220-III-13

Track; trail

aggravating factor.

Old landslide deposits

Flood

Recent landslide deposits

Very high flood susceptibility

High flood susceptibility

**Moderate flood susceptibility** 

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.

Areas susceptible to ground subsidence/sinkhole development

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 likely to experience flood heights of greater than 1 up to

Areas likely to experience flood heights of greater than 0.5m up to

areas are subject to widespread inundation during prolonged and

extensive heavy rainfall or extreme weather condition. Fluvial terraces,

2 meters and/or flood duration of more than 3 days.

1 meter and/or flood duration of 1 to 3 days. These

alluvial fans, and infilled valleys are areas moderately

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.

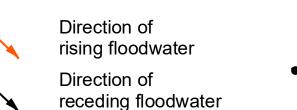
Gently sloping areas with no identified landslide.

Areas that could be affected by landslide debris.

**Debris flow / Possible accumulation zone** 

cracks are present. Human initiated effects could be an

Landslide



subjected to flooding.

