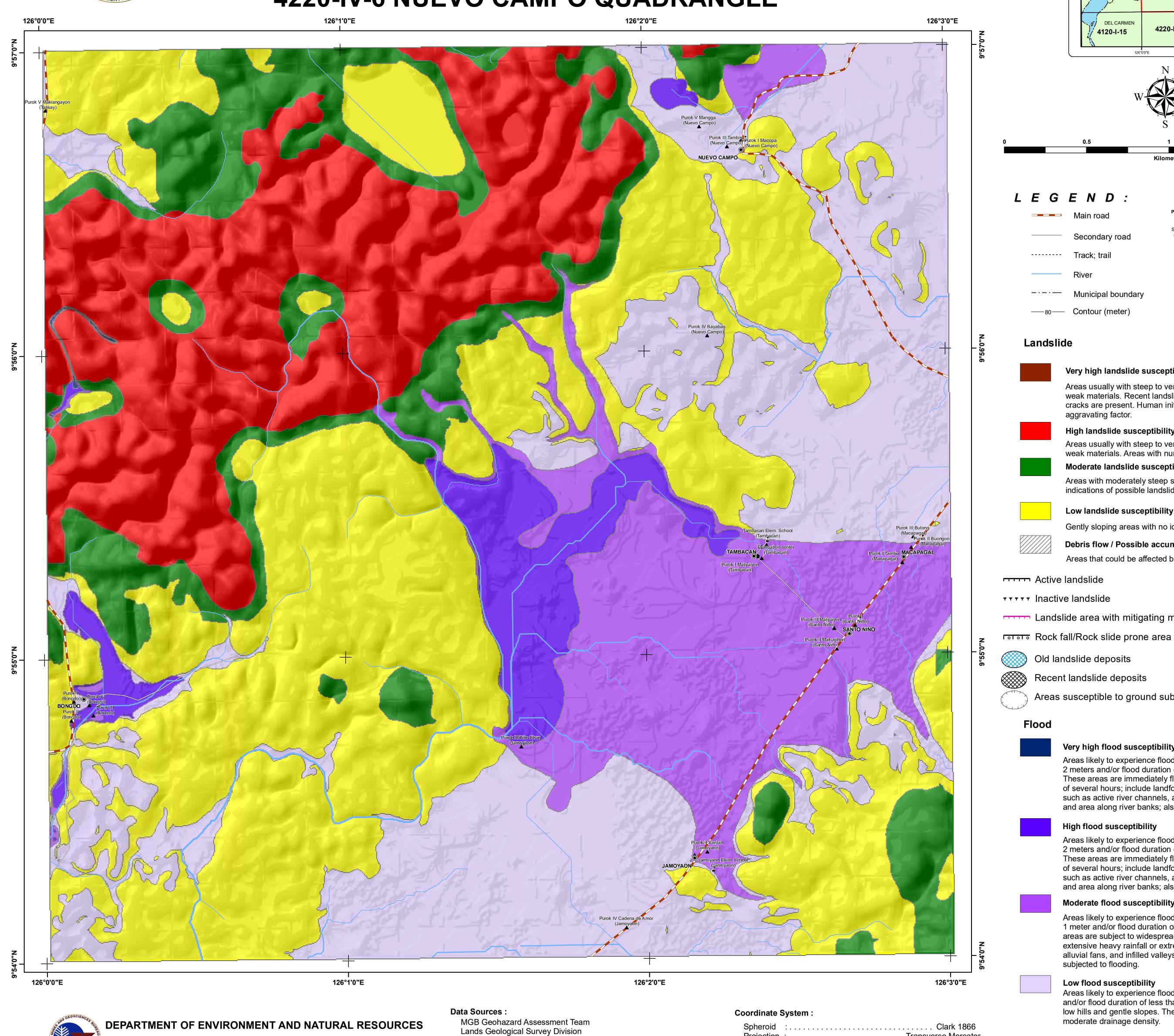


MINES AND GEOSCIENCES BUREAU

North Avenue, Diliman, Quezon City

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DETAILED LANDSLIDE AND FLOOD HAZARD MAP OF SAN BENITO, SAN ISIDRO AND DEL CARMEN, SURIGAO DEL NORTE, PHILIPPINES 4220-IV-6 NUEVO CAMPO QUADRANGLE

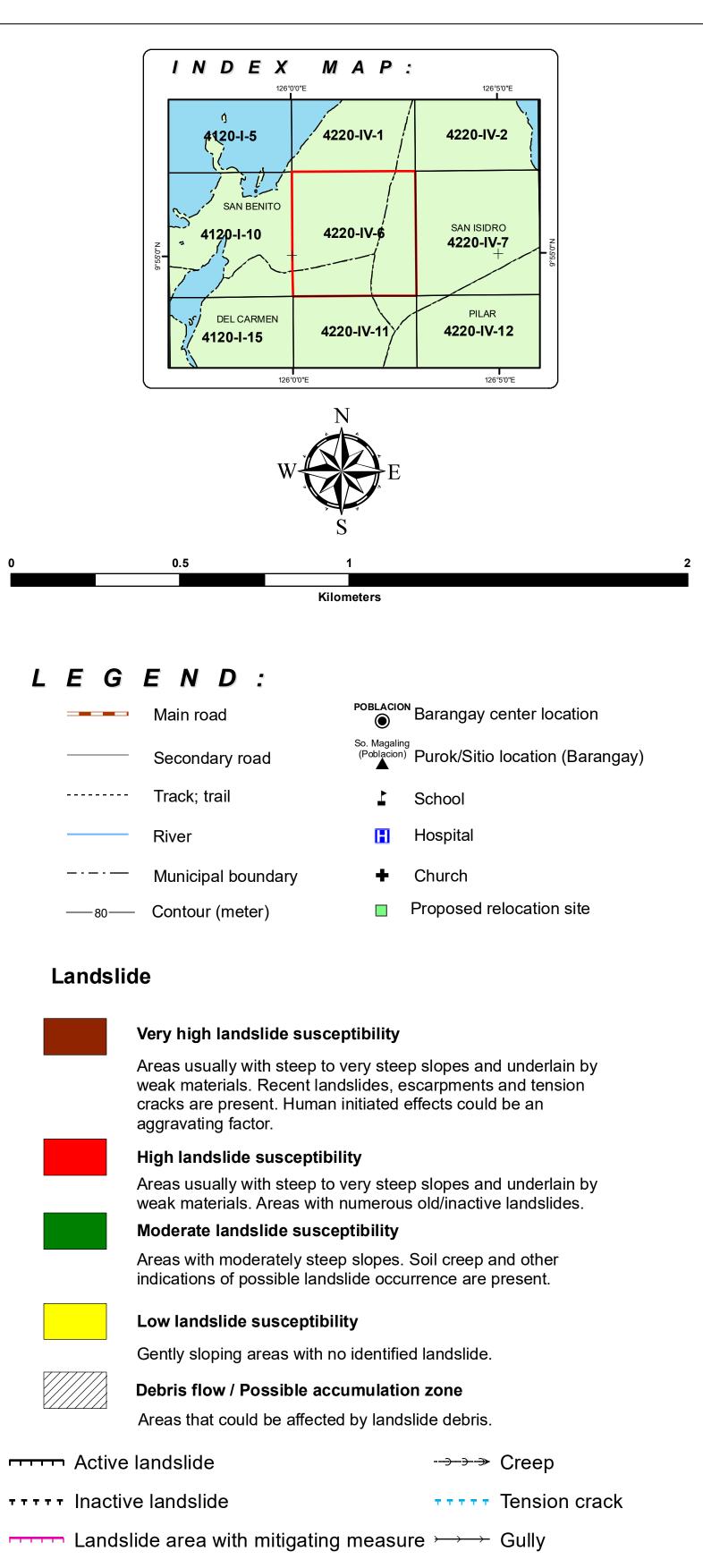


Geosciences Division MGB Regional Office XIII

Lands Geological Survey Division

GIS Processing:

National Mapping and Resource Information Authority



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.

Areas susceptible to ground subsidence/sinkhole development

Riverbank erosion

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 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.

Direction of rising floodwater Direction of receding floodwater

Projection:.....Transverse Mercator

Datum : Luzon 1911

Mapping scale 1:10,000

^{1.2} ⊗ Flood depth (meter) Flashflood exit point