















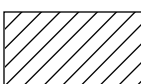














- | | | | |
|---|--------------------|---|---------------------------------|
|  | Main road |  | Barangay center location |
|  | Secondary road |  | Purok/Sitio location (Barangay) |
|  | Track; trail |  | School |
|  | River |  | Hospital |
|  | Municipal boundary |  | Church |
|  | Contour (meter) |  | Proposed relocation site |


Landslide


- | | |
|---|---|
|  | Very high landslide susceptibility |
| | Areas usually with steep to very steep slopes and underlain by weak materials. Recent landslides, escarpments and tension cracks are present. Human initiated effects could be an aggravating factor. |
|  | High landslide susceptibility |
| | Areas usually with steep to very steep slopes and underlain by weak materials. Areas with numerous old/inactive landslides. |
|  | Moderate landslide susceptibility |
| | Areas with moderately steep slopes. Soil creep and other indications of possible landslide occurrence are present. |
|  | 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
 Inactive landslide
 Landslide area with mitigating measure
 Rock fall/Rock slide prone area
 Old landslide deposits
 Recent landslide deposits
 Areas susceptible to ground subsidence/sinkhole development
 Creep
 Tension crack
 Gully
 Riverbank erosion

Flood



-  **Very high flood susceptibility**

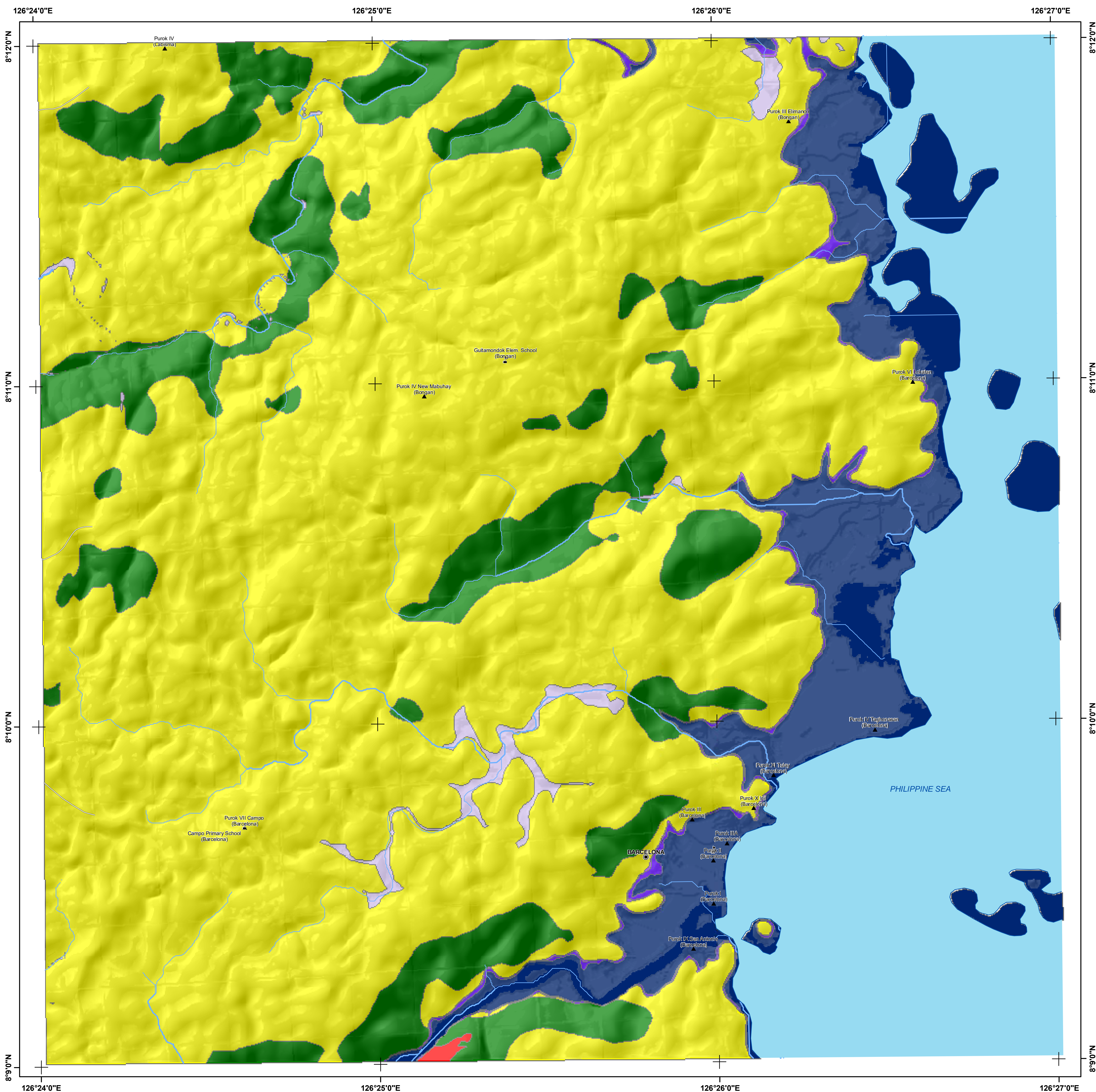
Areas likely to experience flood heights of greater than 2 meters and/or flood duration of more than 3 days. These areas are immediately flooded during heavy rains of several hours; include landforms of topographic lows such as active river channels, abandoned river channels and area along river banks; 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.

-  Direction of rising floodwater
 Direction of receding floodwater
 Flood depth (meter)
 Flashflood exit point



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Data Sources :
MGB Geohazard Assessment Team
Lands Geological Survey Division
Geosciences Division MGB Regional Office XIII
National Mapping and Resource Information Authority

GIS Processing :
Lands Geological Survey Division

Coordinate System :

Spheroid : Clark 1866
Projection : Transverse Mercator
Datum : Luzon 1911

Mapping scale 1:10,000