















- |   |                    |   |                                 |
|---|--------------------|---|---------------------------------|
|  | 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**

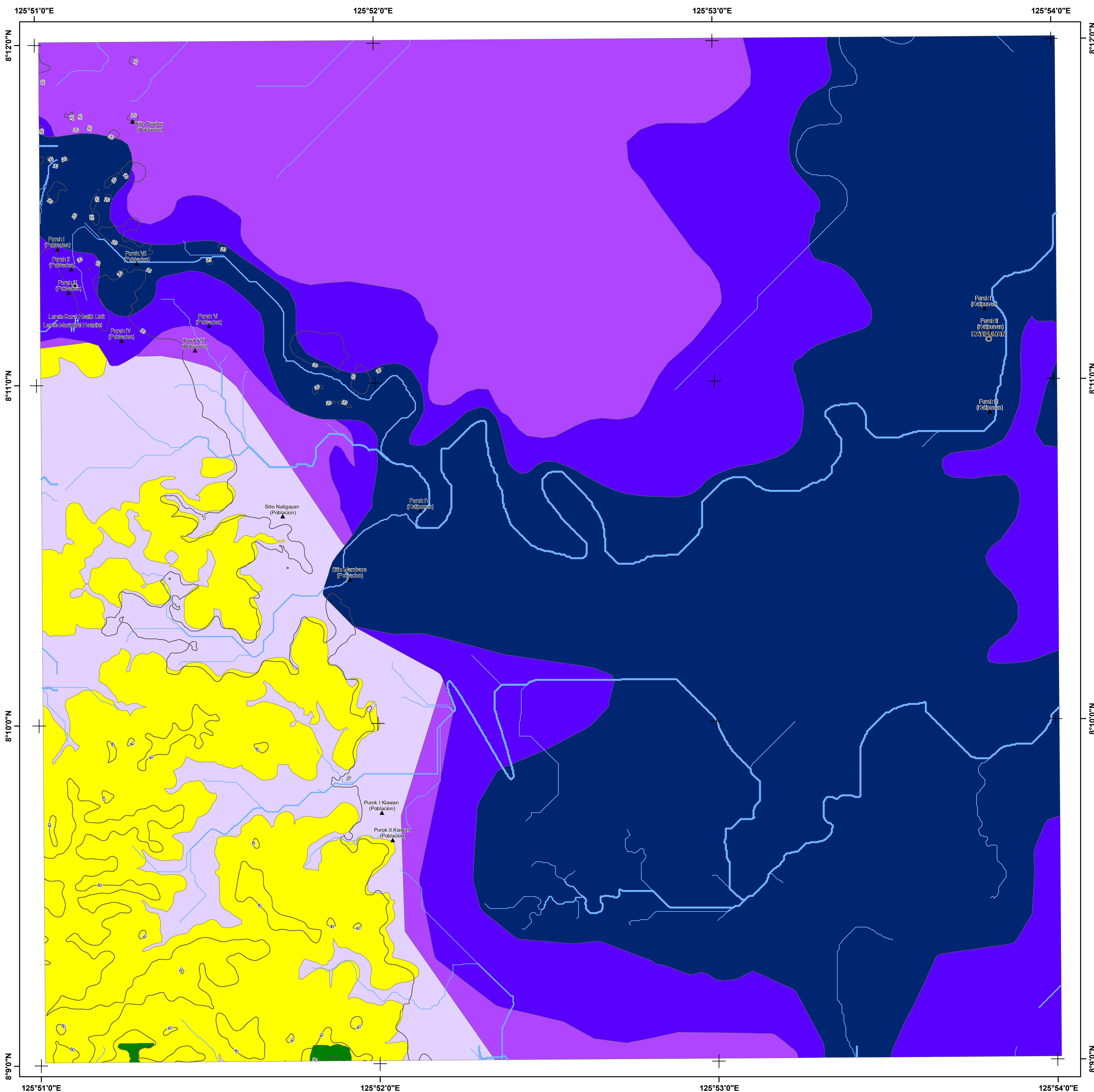
Areas that could be affected by landslide debris.

-  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

- |   |   |
|---|---|
|  | <p><b>Very high flood susceptibility</b></p> <p>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.</p>      |
|  | <p><b>High flood susceptibility</b></p> <p>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.</p>   |
|  | <p><b>Moderate flood susceptibility</b></p> <p>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.</p> |
|  | <p><b>Low flood susceptibility</b></p> <p>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.</p>  |

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



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PUBLISHED DECEMBER 2015

**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