













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


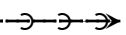
Areas with moderately steep slopes. Soil creep and other indications of possible landslide occurrence are present.



**Low landslide susceptibility**


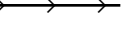
Gently sloping areas with no identified landslide.



**Debris flow / Possible accumulation zone**


Areas that could be affected by landslide debris.


 Active landslide
  Creep


 Inactive landslide
  Tension crack

 Landslide area with mitigating measure
  Gully

 Rock fall/Rock slide prone area
  Riverbank erosion

 Old landslide deposits

 Recent landslide deposits

 Areas susceptible to ground subsidence/sinkhole development

## 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
- $1/2$   
⊗
- Flood depth (meter)
- Flashflood exit point



ALL RIGHTS RESERVED  
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