

TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF TAMBULIG, ZAMBOANGA DEL SUR

BRGY	MUNICIPALITY	LONGITUDE	LATITUDE	LANDSLIDE SUSCEPTIBILITY RATING	FLOOD SUSCEPTIBILITY RATING	LANDSLIDE REMARKS/RECOMMENDATIONS	FLOOD REMARKS/RECOMMENDATIONS	AS OF	ASSESSED BY/DATA SOURCE
Alang-Alang	TAMBULIG	123.499833	8.072639	none	high		Area highly susceptible to flooding. River bank erosion also a problem, particularly at Puroks Malipayon and Jakarta. The barangay should implement flood mitigating measures and develop an early warning device/system intended for flood-related hazard. Also, consider relocating houses at the immediate vicinity of the creek/river passing through the barangay and/or implement engineering measures.	2008	JOINT
Angeles	TAMBULIG	123.602333	8.002528	none	high		Area highly susceptible to flooding. During high tide coupled with intense precipitation on the upper drainage basins of Salug, Usukan and Dipolo, flood water reaches to as high as > 1 meters from its mean flow level. The barangay should develop an early warning device intended flooding related hazard. In addition, they should activate their Barangay Disaster Coordinating Council (BDCC) to oversee disaster preparedness planning.	2008	JOINT

Balucot	TAMBULIG	123.550194	8.062722	none	moderate		The surrounding rice fields are affected by flooding (depth<1m). The barangay should implement flood mitigating measures and develop an early warning device/system intended for flood-related hazard. Observe for rapid increase in creek/river water levels.	2008	JOINT
Bag-ong Kauswagan	TAMBULIG	123.528071	8.145953	moderate	none (brgy. proper; top ridge; low to moderate (flashflood within creeks/gullies)	Observe for and/or monitor for presence of mass movement (e.g. landslides, tension cracks)	Address and/or improve storm water drainage system; Observe for increase in floodwater. Activate BDCC.		
Bag-ong Tabogon	TAMBULIG	123.549167	8.125528	low	none	Observe for presence of mass movement (e.g. landslides, tension cracks)		2008	JOINT
Balugo	TAMBULIG	123.522361	8.028194	none	high		Area highly susceptible to flooding, with floodwaters emanating mainly from the Dipolo River. River bank erosion also a problem. The barangay should implement flood mitigating measures and develop an early warning device/system intended for flood-related hazard. Also, consider relocating houses located at the immediate vicinity of the creek/river passing through the barangay and/or implement engineering measures.	2008	JOINT

Cabgan	TAMBULIG	123.659528	7.997500	none	high		Area highly susceptible to flooding. During high tide coupled with intense precipitation on the upper drainage basins of Salug, Usukan and Dipolo, flood water reaches to as high as > 1 meters from its mean flow level. The barangay should develop an early warning device intended flooding related hazard. In addition, they should activate their Barangay Disaster Coordinating Council (BDCC) to oversee disaster preparedness planning.	2008	JOINT
Calolot	TAMBULIG	123.539417	8.070667		high	Observe for presence of mass movement (e.g. landslides, tension cracks)	Households located along the riverbanks are affected by flooding (depth usu>1m) where floodwaters emanate from Usugan River. The barangay officials should monitor water level of the river during heavy rains and implement flood mitigating measures	2008	JOINT
Dimalinao	TAMBULIG	123.547528	8.148887	moderate	none (brgy. proper; top ridge; low to moderate (flashflood within creeks/gullies)	Observe for and/or monitor for presence of mass movement (e.g. landslides, tension cracks)	Address and/or improve storm water drainage system; Observe for increase in floodwater. Activate BDCC.		
Gabunon	TAMBULIG	123.519500	8.081861	low	none	Observe for presence of mass movement (e.g. landslides, tension cracks)		2008	JOINT

Happy Valley	TAMBULIG	123.530917	8.067444	none	none (brgy. center); high (Purok 6)		Barangay proper is not flood prone. However, Purok 6 experiences serious flooding (flood depth >1 m), with floodwaters mainly coming from Osugan River. Implement flood mitigating measures, particularly at Purok 6; Identify evacuation and/or relocation site.	2008	JOINT
Kapalaran	TAMBULIG	123.538250	8.015167	none	high		Area highly susceptible to flooding. The barangay should implement flood mitigating measures and develop an early warning device/system intended for flood-related hazard.	2008	JOINT
Libato	TAMBULIG	123.526611	8.108389	low	none	Observe for presence of mass movement (e.g. landslides, tension cracks)		2008	JOINT
Limamawan	TAMBULIG	123.557083	8.092250	low	none	Observe for presence of mass movement (e.g. landslides, tension cracks)		2008	JOINT

Lower Liason	TAMBULIG	123.516889	8.125917	moderate	low	Observe for presence of mass movement (e.g. landslides, tension cracks). Develop an early warning device/system intended for landslide and earthquake related hazard. Identify evacuation site. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Observe for saturated ground or seeps in areas that are not typically wet. Observe for sunken or displaced road surfaces.	Flooding rarely occurs. Flood depth usually low.	2008	JOINT
Lower Lodiong (Pob)	TAMBULIG	123.531528	8.072750	Low-barangay center; High-Purok 1, land-bridge;	moderate	Observe for presence of mass movement (e.g. landslides, tension cracks); Collapse was triggered by heavy rains due to poor engineering design; Observe and monitor the temporary land-bridge during heavy rain and give warning/advisory to the residents.	Barangay hall and the surrounding rice fields are affected by flooding (depth<1m). The barangay should implement flood mitigating measures and develop an early warning device/system intended for flood-related hazard. Observe for rapid increase in creek/river water levels.	2008	JOINT
Lower Tiparak	TAMBULIG	123.522194	8.047167	none	moderate to high		Barangay proper is affected by flooding, although with flood depth usually of <1 m. Puroks Nangka and Santol, however experience flood with depth >1m. The barangay should implement flood mitigating measures and develop an early warning device/system intended for flood-related hazard.	2008	JOINT

Lower Usogan	TAMBULIG	123.552139	8.039556	none	high		Almost all areas within the barangay are affected seasonally by flooding. This event is particularly high (flood depth>1 m) for Puroks 2, 3, 4 and 6. Floodwaters mainly emanate from the Osugan River. The barangay should implement flood mitigating measures and develop an early warning device/system intended for flood-related hazard prevention.	2008	JOINT
Maya-Maya	TAMBULIG	123.532953	8.158043	moderate	none (brgy. proper; top ridge; low to moderate (flashflood within creeks/gullies)	Observe for and/or monitor for presence of mass movement (e.g. landslides, tension cracks)	Address and/or improve storm water drainage system; Observe for increase in floodwater. Activate BDCC.		
New Village	TAMBULIG	123.536917	8.064194	none	high		Puroks 3 and 6 experience serious flooding. River bank erosion also a problem. The barangay should implement flood mitigating measures and develop an early warning device/system intended for flood-related hazard prevention.	2008	JOINT
Pelocoban	TAMBULIG	123.514892	8.135013	moderate	none (brgy. proper; top ridge; low to moderate (flashflood within creeks/gullies)	Observe for and/or monitor for presence of mass movement (e.g. landslides, tension cracks)	Address and/or improve storm water drainage system; Observe for increase in floodwater. Activate BDCC.		

Riverside (Pob)	TAMBULIG	123.537333	8.071833	High (including Purok Nangka)	high	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks). Develop an early warning device/ system intended for landslide-related hazard prevention. Identify evacuation site. Identify relocation site for residents of Purok Nangka. Monitor the steep slopes in Purok Nangka and provide necessary warning advisory to the residents.	Households located along the riverbanks are affected by flooding (depth usu>1m) where floodwaters emanate from Usugan River. The barangay officials should monitor water level of the river during heavy rains and implement flood mitigating measures	2008	JOINT
Sagrada Familia	TAMBULIG	123.559278	7.999028	none	moderate		The surrounding rice fields are affected by flooding (depth 0.5-1m). The barangay should implement flood mitigating measures and develop an early warning device/system intended for flood-related hazard. Observe for rapid increase in creek/river water levels.	2008	JOINT

San Jose	TAMBULIG	123.561389	8.022444	none	moderate to high		Barangay proper is usually affected by flood waters of less than a meter high. However, areas near Usogan Creek usually experience high flooding (flood depth >1 m) and are affected by river bank erosion. The barangay should implement flood mitigating measures and develop an early warning device/system intended for flood-related hazard. Also, consider relocating houses at the immediate vicinity of the creek passing through the barangay and/or implement engineering measures.	2008	JOINT
San Vicente	TAMBULIG	123.536306	8.006611	none	moderate		The surrounding rice fields are affected by flooding (depth 0.5-1m). The barangay should implement flood mitigating measures and develop an early warning device/system intended for flood-related hazard. Observe for rapid increase in creek/river water levels.	2008	JOINT

Sumalig	TAMBULIG	123.627444	8.012472	high	high	Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks). Develop an early warning device/system intended for landslide and earthquake related hazard. Identify evacuation site. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Observe for saturated ground or seeps in areas that are not typically wet. Identify relocation site for residents of Purok Manga and Bumbil. National High school should be relocated.	Area highly susceptible to flooding. During high tide coupled with intense precipitation on the upper drainage basins of Salug, Usukan and Dipolo, flood water reaches to as high as > 1 meters from its mean flow level. The barangay should develop an early warning device intended for flood-related hazard. In addition, they should activate their Barangay Disaster Coordinating Council (BDCC) to oversee disaster preparedness planning.	2008	JOINT
Tuluan	TAMBULIG	123.544111	8.108944	low	none	Observe for presence of mass movement (e.g. landslides, tension cracks)		2008	JOINT
Tungawan	TAMBULIG	123.534194	8.058722	none	none (brgy. center); high (Purok Kalonsing; Lakatan)		Barangay proper is not usually affected by flooding. In contrast, Puroks Kalonsing and Lakatan experience serious flooding (flood depth>1m). The barangay should implement flood mitigating measures and develop an early warning device/system intended for flood-related hazard.	2008	JOINT

Upper Liason	TAMBULIG	123.552594	8.143815	moderate to high	low	Barangay proper is within narrow top ridge; Observe for presence of mass movement (e.g. landslides, tension cracks) ; Observe for saturated ground or seeps in areas that are not typically wet; Activate BDCC	Flashflood within creeks/gullies;		
Upper Lodiong	TAMBULIG	123.549222	8.098889	low	none	Observe for presence of mass movement (e.g. landslides, tension cracks)		2008	JOINT
Upper Tiparak	TAMBULIG	123.502111	8.048611	none	moderate		Most areas within the barangay are affected by flooding (depth usu>1m). Floodwaters emanate mainly from the Salug and Dipolo rivers. The barangay should implement flood mitigating measures and develop an early warning device/system intended for flood-related hazard.	2008	JOINT