

TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF MAHAYAG, 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
Bagong Balamban	MAHAYAG	123.420750	8.121000	none	high		Purok 7 located near Tiwalos Creek is seasonally flooded with depths at more than one (1) meter; Identify evacuation and/or relocation site; Observe for increase/decrease in floodwater; Activate BDCC	2008	JOINT
Bagong Dalagueta	MAHAYAG	123.473722	8.170528	none	none			2008	JOINT
Boniao	MAHAYAG	123.389389	8.157778	None – Brgy. Proper; Moderate to High – Upland areas	moderate	Monitor progress and observe for new presence of mass movements (e.g. landslides, mass movements); Observe for rapid increase/decrease in creek/ river water levels, possibly accompanied by increased turbidity.	Very common (annually – every rainy season) flashflood occurrence with moderate turbidity. Seasonal (annually – every rainy season) sheet flooding with moderate (0.5 - 1m) water depths; Identify evacuation/relocation site; Observe for rapid increase/decrease in floodwater level); Activate BDCC	2008	JOINT
Delusom	MAHAYAG	123.449222	8.150417	None – Brgy. Proper; Moderate - Purok 5	high	Monitor progress of mass movements (e.g. landslides, tension cracks); Observe for presence of mass movement (e.g. landslide, tension cracks). An almost vertical slope posts danger to Purok 5 in Brgy. Delusom.	Puroks 5 and 7 situated in the alluvial plain are directly hit by overflowing discharge from the Salug-Dako river; Flashfloods in 1970 and 1988 brought havoc to crops and houses; Identify evacuation/relocation site; Observe for rapid increase/decrease in floodwater level); Activate BDCC	2008	JOINT

Diwan	MAHAYAG	123.478889	8.134444	moderate	moderate	Monitor progress of mass movements (e.g., landslides, tension cracks); Observe for presence of mass movement (e.g. landslide, tension cracks).	Flooding occurs at Puroks Vargas and Palomo where crops are directly affected.	2008	JOINT
Guripan	MAHAYAG	123.433111	8.159861	moderate to high	low	Monitor progress and observe for new presence of mass movements (e.g. landslides, mass movements); Observe for rapid increase/ decrease in creek/ river water levels, possibly accompanied by increased turbidity.	Very common (annually – every rainy season) flashflood occurrence with moderate turbidity. Seasonal (annually – every rainy season) sheet flooding with low (0 – 0.5 1m) water depths.	2008	JOINT
Kaangayan	MAHAYAG	123.409417	8.152500	None – Brgy. Proper; Moderate to High – High areas (particularly in Sitio Danao, Puroks 1, 2, 3, 4, 5, along roads)	high	Monitor progress and observe for new presence of mass movements (e.g. landslides, mass movements); Observe for rapid increase/ decrease in creek/ river water levels, possibly accompanied by increased turbidity.	Very common (annually – every rainy season) flashflood occurrence with moderate turbidity. Seasonal (annually – every rainy season) sheet flooding with high (> 1m) water depths.	2008	JOINT
Kabuhi	MAHAYAG	123.413333	8.074167	None – Brgy. Proper; Low-Puroks 5 and 6	high	Observe for presence of mass movement (e.g. landslides, tension cracks).	Puroks 2, 3 and 7 are regularly affected by flood waters with depths at more than one (1) meter; Identify evacuation and/or relocation site; Observe for increase/decrease in floodwater; Activate BDCC	2008	JOINT
Lourmah (Lower Mahayag)	MAHAYAG	123.440806	8.112222	none	none		None; but the historic 1970 flashflood, portions of Brgy. Lower Mahayag were covered with flood waters	2008	JOINT
Lower Salug Daku	MAHAYAG	123.427139	8.132972	None – Brgy. Proper; Low – Upland areas	low	Observe for presence of mass movements (e.g. landslides, mass movements).	Seasonal (annually – every rainy season) sheet flooding with low (0 – 0.5 m) water depths.	2008	JOINT

Lower Santo Niño	MAHAYAG	123.454361	8.069722	none	high		Entire barangay proper is located near Dipolo River and is regularly flooded with flood depths at more than one (1) meter. Brgy. Lower Sto. Nino is bounded by two (2) rivers, namely: Katipunan and Dipolo Rivers giving it a high susceptibility to flooding; Identify evacuation and/or relocation site; Observe for increase/decrease in floodwater; Activate BDCC	2008	JOINT
Malubo	MAHAYAG	123.451639	8.199944	None – Brgy. Proper; High – Upland areas (particularly Sitio Pilas & Latayan); Possible Accumulation Zone Area	high	Monitor progress and observe for new presence of mass movements (e.g. landslides, mass movements); Develop an early warning device/ system intended for landslide & flood-related hazards; Observe for rapid increase/ decrease in creek/ river water levels, possibly accompanied by increased turbidity; Implement simple slope stability measures like planting vetiver along slopes (e.g. road cuts).	Very common (annually – every rainy season: July to October) flashflood occurrence with high turbidity. Seasonal (annually – every rainy season: July to October) sheet flooding with high (> 1m) water depths; Identify evacuation and/or relocation site; Observe for increase/decrease in floodwater; Activate BDCC	2008	JOINT
Manguiles	MAHAYAG	123.374556	8.158972	None – Brgy. Proper; Low – Upland areas	low	Monitor progress and observe for new presence of mass movements (e.g. landslides, mass movements); Observe for rapid increase/ decrease in creek/ river water levels, possibly accompanied by increased turbidity.	Very common (annually – every rainy season) flashflood occurrence with moderate turbidity.	2008	JOINT
Marabanan	MAHAYAG	123.481944	8.165278	low	low (creek)	Observe for presence of mass movements (e.g. landslides, mass movements)	Flooding of about .5m is only confined within the perimeter of the Balanan Creek.	2008	JOINT

Panagaan	MAHAYAG	123.460889	8.164333	none	low		Flooding is only confined along creeks channels.	2008	JOINT
Paraiso	MAHAYAG	123.407722	8.214417	moderate	moderate	Monitor progress and observe for new presence of mass movements (e.g. landslides, mass movements); Develop an early warning device/ system intended for landslide & flood-related hazards; Observe for rapid increase/ decrease in creek/ river water levels, possibly accompanied by increased turbidity; Implement simple slope stability measures like planting vetiber along slopes (e.g. road cuts). Constant communication and updates with Brgy. Pidagan Sur on geohazard situation.	Sheet flooding with (0.5-1.0 m.) water depths; identify evacuation/relocation site; Observe for rapid increase/decrease in floodwater; Activate BDCC	2008	JOINT
Pidagan Sur	MAHAYAG	123.416667	8.234167	High (Particularly in Puroks 1 and 3); These areas are Possible Accumulation Zone for landslide materials.	high	Monitor progress and observe for new presence of mass movements (e.g. landslides, mass movements); Develop an early warning device/ system intended for landslide & flood-related hazards; Observe for rapid increase/ decrease in creek/ river water levels, possibly accompanied by increased turbidity; Implement simple slope stability measures like planting vetiber along slopes (e.g. road cuts). Constant communication and updates with Brgy. Paraiso on geohazard situation.	The entire brgy. Is seasonally affected by sheet flooding from Yabo and Guripan Rivers with high (>1 meter) floodwater depths. A catastrophic flashflood in 1970 affected this brgy (verbal communication with residents); Identify evacuation/relocation site; Observe for rapid increase/decrease in floodwater; Activate BDCC	2008	JOINT

Poblacion (Upper Mahayag)	MAHAYAG	123.434444	8.118611	None – Brgy. Proper; Low – Purok 4	moderate to high	Observe for presence of mass movements (e.g. landslides, mass movements) particularly in Purok 4.	Flooding is caused by clogged, silted and insufficient drainage system; the entire Poblacion was totally covered by flood waters during the 1970 and 1988 flashflood; Identify evacuation/relocation site; Observe for rapid increase/decrease in floodwater; Activate BDCC	2008	JOINT
Pugwan	MAHAYAG	123.386639	8.123778	None – Brgy. Proper; Low – Upland areas	high	Observe for presence of mass movements (e.g. landslides, mass movements).	Very common (annually – every rainy season: July to October) flashflood occurrence with moderate turbidity. Seasonal (annually – every rainy season) sheet flooding with high (> 1m) water depths; Identify evacuation/relocation site; Observe for rapid increase/decrease in floodwater; Activate BDCC	2008	JOINT
San Isidro	MAHAYAG	123.453056	8.106028	none	none			2008	JOINT
San Jose	MAHAYAG	123.410917	8.105917	none	high		Puroks 2, 6 and 7 are located near Tiwalos and Dipolo Rivers and are regularly affected by flood waters with depths at more than one (1) meter; Identify evacuation/relocation site; Observe for rapid increase/decrease in floodwater; Activate BDCC	2008	JOINT
San Vicente	MAHAYAG	123.445972	8.141667	none	none			2008	JOINT

Santa Cruz	MAHAYAG	123.385556	8.138917	None – Brgy. Proper; High – Upland areas (particularly in Purok 5)	low	Monitor progress and observe for new presence of mass movements (e.g. landslides, mass movements); Observe for rapid increase/decrease in creek/ river water levels, possibly accompanied by increased turbidity.	Very common (annually – every rainy season: July to October) flashflood occurrence with moderate turbidity. Seasonal (annually – every rainy season) sheet flooding with low (0 – 0.5 m) water depths.	2008	JOINT
Sicpao	MAHAYAG	123.398306	8.099861	none	high		Puroks 2, 4, 5 and 6 are located near Dipolo River and are regularly affected by flood waters with depths at more than one (1) meter; Identify evacuation/relocation site; Observe for rapid increase/decrease in floodwater; Activate BDCC	2008	JOINT
Tuburan	MAHAYAG	123.461750	8.135833	low	moderate	Observe for presence of mass movements (e.g. landslides, mass movements); Road cut with highly altered materials along a road bend between Brgys, Tuburan and Diwan posts an imminent danger in the area.	Flooding occurs only in areas where the creeks discharge overflows; Brgy. Tuburan was hit by the 1970 flash flood where crops were affected; Identify evacuation/relocation site; Observe for rapid increase/decrease in floodwater level); Activate BDCC	2008	JOINT

Tulan	MAHAYAG	123.446417	8.218972	None – Brgy. Proper; High – Upland areas; Possible Accumulation Zone Area	high	Monitor progress and observe for new presence of mass movements (e.g. landslides, mass movements); Develop an early warning device/ system intended for landslide & flood-related hazards; Identify evacuation site; Observe for rapid increase/ decrease in creek/ river water levels, possibly accompanied by increased turbidity; Implement simple slope stability measures like planting vetiber along slopes (e.g. road cuts).	Very common (annually – every rainy season: July to October) flashflood occurrence with high turbidity. Seasonal (annually – every rainy season: July to October) sheet flooding with high (> 1m) water depths; Identify evacuation/relocation site; Observe for rapid increase/decrease in floodwater; Activate BDCC	2008	JOINT
Tumapic	MAHAYAG	123.430500	8.105028	none	high		Sheet flooding with depths of more than one (1) meter is regularly observed particularly when Salug River overflows its channel; Identify evacuation/relocation site; Observe for rapid increase/decrease in floodwater level); Activate BDCC	2008	JOINT
Upper Santo Niño	MAHAYAG	123.445194	8.086500	none	high		Puroks 3 and 5 are regularly affected by flooding with flood depths at more than one (1) meter. Both barangays are located near Salug and Dipolo Rivers, respectively; Identify evacuation/relocation site; Observe for rapid increase/decrease in floodwater level); Activate BDCC	2008	JOINT

Upper Salug Daku	MAHAYAG	123.421889	8.142361	None – Brgy. Proper; Low – Upland areas	low	Observe for presence of mass movements (e.g. landslides, mass movements).	Seasonal (annually – every rainy season) sheet flooding with low (0 – 0.5 m) water depths; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increases turbidity (soil content).	2008	JOINT
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