

TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF SOMINO, 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 Baroy	SOMINOT	123.404028	7.996778	Moderate	moderate	Monitor progress and observe for new presence of mass movement (e.g. landslide, tension cracks); Observe for rapid increase/ decrease in creek/ river water levels, possibly accompanied by increased turbidity (soil content).	Flash flood is very common with moderate turbidity (silt).	2008	JOINT
Barubuhan	SOMINOT	123.360139	8.045639	low	low	Observe for presence of mass movement (e.g. landslide, tension cracks); Develop an early warning device/system intended for landslide-related hazard; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken or displaced road surfaces.	Rare occurrence of flash flood with low turbidity; Sheet flooding occurs, although rarely and with depth of less than 0.5m	2008	JOINT
Bulanay	SOMINOT	123.333944	8.046611	Moderate – Brgy. Proper; High – mountainous part of Puroks 1, 2, 3, 4 and 6	low to moderate	Monitor progress of mass movement (e.g. landslide, tension cracks); Develop an early warning device/system intended for landslide-related hazard; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken or displaced road surfaces.	Rare occurrence of flash flood with low turbidity; Rarely low flooding with depth of less than 0.5m; Farmlands are affected with flood depth of less than 1m.	2008	JOINT

Datagan	SOMINOT	123.325278	8.968056	Moderate – Brgy. Proper; High – on steep slopes	moderate to high	Monitor progress of mass movement (e.g. landslide, tension cracks); Observe for presence of mass movement (e.g. landslide, tension cracks); Constant communication and updates with Brgy. Lumpunit, Midsalip and MDCC on geohazard situation; Establish an emergency evacuation plan in case of disaster; Identify an evacuation route	Flash flood is common with very high turbidity (soil content); Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content)	2008	JOINT
Eastern Poblacion	SOMINOT	123.395833	8.038583	low	low	Observe for presence of mass movement (e.g. landslide, tension cracks); Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken or displaced road surfaces.	Rare occurrence of flash flood with low turbidity; Rarely low flooding with depth of less than 0.5m	2008	JOINT
Lantawan	SOMINOT	123.397528	8.078722	High	none	Monitor progress and observe for new presence of mass movement (e.g. landslide, tension cracks); Observe for rapid increase/decrease in creek/ river water levels, possibly accompanied increased turbidity (soil content); Implement simple slope stability measures like planting the appropriate vegetation along slopes (esp. along road cuts).		2008	JOINT

Libertad	SOMINOT	123.373222	8.028889	low	low	Monitor progress of mass movement (e.g. landslide, tension cracks); Observe for presence of mass movement (e.g. landslide, tension cracks); Widespread creeping and terracettes are a common sight in the rolling terrain	Flash flood is very common with low turbidity (soil content) along Libertad Creek; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); The area is seasonally flooded with depth of less than 0.5m; Develop an early warning device/system intended for flood-related hazards	2008	JOINT
Lumangoy	SOMINOT	123.361861	7.982028	moderate	High	Monitor progress of mass movement (e.g. landslide, tension cracks); Observe for presence of mass movement (e.g. landslide, tension cracks)	Flash flood is common along Lumangoy Creek with very high turbidity (soil content); Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); Develop an early warning device/system intended for flashflood-related hazard; Avoid build-up along Lumangoy Creek; Lumangoy Creek has a constricted channel at Purok 7 that is susceptible to damming, making this section of the river a potential flashflood exit point	2008	JOINT

New Carmen	SOMINOT	123.343056	8.089167	Moderate – Brgy. Proper; High – mountainous part of Puroks	low	Observe for presence of mass movement (e.g. landslide, tension cracks); Develop an early warning device/system intended for landslide-related hazard; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken or displaced road surfaces.	Rare occurrence of flash flood with low turbidity; Rarely low flooding with depth of less than 0.5m	2008	JOINT
New Oroqueta	SOMINOT	123.402583	8.085750	None – Brgy. Proper; Low – Upland Areas	High	Observe for presence of mass movement (e.g. landslide, tension cracks).	Flash flood is very common along Dipolo River with half of the barangay affected (particularly Puroks 3, 4, & 5 which comprise 25% of the total number of households in the barangay) with high depths (> 1m; up to 4m); Develop an early warning device/system intended for flood-related hazards.	2008	JOINT
Pictoran	SOMINOT	123.395917	7.982639	High	moderate	Monitor progress and observe for new presence of mass movement (e.g. landslide, tension cracks); Observe for rapid increase/ decrease in creek/ river water levels, possibly accompanied increased turbidity (soil content); Avoid residential built-up on landslide areas; Implement simple slope stability measures like planting the appropriate vegetation along slopes (esp. along road cuts).	Flash flood is very common with high turbidity (silt & rocks) along Dipaya River and the 3 barangay creeks.	2008	JOINT

Poblacion	SOMINOT	123.378361	8.043556	Low – Brgy. Proper; Moderate – Purok Josefina	low (brgy center) moderate to high (low lying areas)	Observe for presence of mass movement (e.g. landslide, tension cracks); Develop an early warning device/system intended for landslide-related hazard; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken or displaced road surfaces.	Rare occurrence of flash flood with low turbidity; Rarely low flooding with depth of less than 0.5m in the vicinity of barangay hall; Flood depth of less than a meter occurs in Sominot Central School; More than a meter of flood waters affects the Puroks of San Francisco, Esperanza and Waling-waling; Develop an early warning device/system intended for flood-related hazards.	2008	JOINT
Rizal	SOMINOT	123.399722	8.058833	High	moderate	Monitor progress and observe for new presence of mass movement (e.g. landslide, tension cracks); Develop an early warning device/system intended for landslide-related hazard; Observe for rapid increase/ decrease in creek/ river water levels, possibly accompanied increased turbidity (soil content); Implement simple slope stability measures like planting the appropriate vegetation along slopes (esp. along road cuts).	The areas of Puroks 1, 4, Sitio Danao & Brgy. Center is seasonally flooded with high depths of less > 1m.; Develop an early warning device/system intended for flood-related hazards.	2008	JOINT

San Miguel	SOMINOT	123.387944	8.032806	Moderate to Low – Brgy. Proper; High – Puroks 1 and 2	low	Monitor progress of mass movement (terraces); Develop an early warning device/system intended for landslide-related hazard; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken or displaced road surfaces.	Common flashflood occurrence with moderate turbidity; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); Rarely flooded with depth of less than 0.5m	2008	JOINT
Sawa	SOMINOT	123.356639	7.963417	High	moderate to high(creek)	Monitor progress of mass movement (e.g. landslide, tension cracks); Observe for presence of mass movement (e.g. landslide, tension cracks); Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Constant communication and updates with Brgy. Lumangoy and MDCC on geohazard situation; Activate BDCC; Information and education campaign (IEC) on landslide threats; Establish an emergency evacuation plan	Flash flood is common with very high turbidity (soil content); Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content)	2008	JOINT
Sto. Niño	SOMINOT	123.373500	8.006167	Low – Brgy. Proper (Puroks 1, 3 and 4); Moderate – Puroks 2 and 5 (Puroks with steep slopes)	moderate to high(creek)	Monitor progress of mass movement (e.g. landslide, tension cracks); Observe for presence of mass movement (e.g. landslide, tension cracks)	Flash flood is common with very high turbidity (soil content); Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content)	2008	JOINT

Tungawan	SOMINOT	123.374861	8.081333	low	low	Observe for presence of mass movement (e.g. landslide, tension cracks); Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken or displaced road surfaces.	Rare occurrence of flash flood with low turbidity; Rarely low flooding with depth of less than 0.5m	2008	JOINT
Upper Sicpao	SOMINOT	123.380694	8.070861	low	low	Observe for presence of mass movement (e.g. landslide, tension cracks); Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken or displaced road surfaces.	Rare occurrence of flash flood with low turbidity; Rarely low flooding with depth of less than 0.5m	2008	JOINT