

TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF MIDSALII, 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
Bacahan	MIDSALIP	123.348333	8.032111	low	moderate (creek)	Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks).	Flash flood is confined within the creek and has no effect to the barangay proper; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increases turbidity (soil content).	2008	JOINT
Balonai	MIDSALIP	123.192882	8.062981	high	none (brgy. proper); moderate (creek)	Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks); Observe and/or monitor for sunken and/or displace road surfaces; Constant communication with barangay officials on geohazard situation; Develop an early warning device/ system intended for landslide-related hazard; Activate BDCC	Seasonal flooding along the creek, east of the barangay proper; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increases turbidity (soil content). Develop an early warning device/ system intended for flashflood-related hazard.	2008	JOINT
Bibilop	MIDSALIP	123.330861	8.027250	low	none	Presence of terracettes along the sloping ground is an indication of active downslope movement of earth materials; Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks).		2008	JOINT

Buloron	MIDSALIP	123.352889	8.010917	none	moderate to high		Flash flood along Midsalip River is very common with high turbidity (soil content). Sheet flood is confined within the rice paddies. Identify evacuation site for affected houses along the riverbank. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increases turbidity (soil content). River bed should be dredged. The dredge materials should be placed along the river bank to serve as natural levee or dike.	2008	JOINT
Cabaloran	MIDSALIP	123.286111	7.987278	high	none	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.		2008	JOINT
Canipay Norte	MIDSALIP	123.298889	8.053306	none	none			2008	JOINT
Canipay Sur	MIDSALIP	123.293222	8.038667	Low in Brgy. Proper; High in Purok 4	none	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.		2008	JOINT

Cumaron	MIDSALIP	123.311083	8.014250	Moderate in Brgy. Proper; High in Puroks 5 and 7	low to moderate	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.	Seasonal flooding along the Disolom River affects the low-lying areas in Purok 4; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increases turbidity (soil content). Develop an early warning device/ system intended for flashflood-related hazard.	2008	JOINT
Dakayakan	MIDSALIP	123.200913	8.042048	high	moderate to high	Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks); Observe and/or monitor for sunken and/or displace road surfaces; Constant communication with barangay officials on geohazard situation; Develop an early warning device/ system intended for landslide-related hazard; Activate BDCC	Seasonal flooding along the Dakayakan Creek, east of the barangay proper; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increases turbidity (soil content). Develop an early warning device/ system intended for flashflood-related hazard.	2008	JOINT
Duelic	MIDSALIP	123.233583	8.020167	high	high	Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks); Observe and/or monitor for sunken and/or displace road surfaces; Constant communication with barangay officials on geohazard situation; Develop an early warning device/ system intended for landslide-related hazard; Activate BDCC	Brgy. Proper and Puroks 1 and 3 are seasonally inundated with flood waters of more than 1 meter high; Identify evacuation and/or relocation site; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increases turbidity (soil content). Develop an early warning device/ system intended for flashflood-related hazard.	2008	JOINT

Dumalinao	MIDSALIP	123.364722	8.020583	None (brgy. center); High along the steeply sloping road cut going to the barangay proper	moderate	Presence of boulder size andesite rocks embedded on a loosely compacted soil is an indication of accumulated landslide materials; 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.	Flash flood is common with moderate turbidity (soil content). Sheet flood occurs seasonally, with depths of 0.5 to 1 m, affecting mainly rice fields. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increases turbidity (soil content). Develop an early warning device/ system intended for flashflood-related hazard.	2008	JOINT
Ecuan	MIDSALIP	123.282833	8.078750	high	none	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. Identify evacuation site. Identify relocation site for residents of barangay center/proper. Constant communication and updates with Brgy. Officials/BDCC and the community on the Geohazard situation. Prepare and implement landslide mitigating measures. Conduct IEC on the community and inform the high susceptibility of the area for mass movement(slumping). Activate BDCC and be the frontrunner in addressing the landslide problem.		2008	JOINT

Golictop	MIDSALIP	123.272806	8.070861	low	none	Observe for presence of mass movement (e.g. landslides, tension cracks)		2008	JOINT
Guinabot	MIDSALIP	123.292500	8.021694	Moderate in Brgy. Proper; High in Puroks 1,2,3,4	low	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.		2008	JOINT
Guitalos	MIDSALIP	123.247306	8.058000	moderate	none	Active and inactive landslides were observed along road-cuts and do not directly affect the community, Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks).		2008	JOINT
Guma	MIDSALIP	123.323806	8.029194	none	none			2008	JOINT
Kahayagan	MIDSALIP	123.306556	8.086750	low	none	Observe for presence of mass movement (e.g. landslides, tension cracks); monitor progress of mass movements (soil creep)		2008	JOINT

Licuro-an	MIDSALIP	123.187956	8.087780	high	low to moderate	Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks); Observe and/or monitor for sunken and/or displace road surfaces; Constant communication with barangay officials on geohazard situation; Develop an early warning device/system intended for landslide-related hazard; Activate BDCC	Flashflood within creeks/gullies; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increases turbidity (soil content).	2008	JOINT
Lumpinid	MIDSALIP	123.346611	7.994778	None (Brgy. center); High in Purok 6 & 7 and along the road cut going to Buloron proper.	moderate	Presence of boulder size andesite rocks embedded on a loosely compacted soil is an indication of accumulated landslide materials; Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks).	Flash flood is very common with high turbidity (soil content). Sheet flooding with depth of 0.5-1 meter occurs, affecting mainly rice fields. Develop an early warning device/system intended for flashflood-related hazard. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increases turbidity (soil content). Evacuate settlers along the riverbank of Lumponid River to a safer ground during intense rainfall. Activate Barangay Disaster Coordinating Council (BDCC).	2008	JOINT

Matalang	MIDSALIP	123.248833	8.035000	moderate	moderate	Active and inactive landslides were observed along road-cuts and do not directly affect the community, 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.	Sheet flooding rarely occurs. However, in 1996, Matalang and Matic Rivers overflowed their banks and flooded the Brgy. Proper (verbal communication with bgr. Officials).	2008	JOINT
New Katipunan	MIDSALIP	123.252194	8.082944	low	none	Observe for presence of mass movement (e.g. landslides, tension cracks)		2008	JOINT
New Unidos	MIDSALIP	123.300472	8.069722	moderate	none	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.		2008	JOINT
Palili	MIDSALIP	123.316472	8.071778	low	moderate to high	Observe for presence of mass movement (e.g. landslides, tension cracks); refrain from building houses near the slopes of Mt. Palili.	Seasonally flooded, with flood depth greater than 0.5 m. Flood water confined along stream channel and never reaches the barangay proper. Flash flood is common with low turbidity (soil content).	2008	JOINT

Pawan	MIDSALIP	123.191608	8.070513	high	moderate to high	Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks); Observe and/or monitor for sunken and/or displace road surfaces; Constant communication with barangay officials on geohazard situation; Develop an early warning device/system intended for landslide-related hazard; Activate BDCC	Flashflood within creeks/gullies; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increases turbidity (soil content).	2008	JOINT
Pili	MIDSALIP	123.180287	8.077336	high	moderate to high	Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks); Observe and/or monitor for sunken and/or displace road surfaces; Constant communication with barangay officials on geohazard situation; Develop an early warning device/system intended for landslide-related hazard; Activate BDCC	Flashflood within creeks/gullies; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increases turbidity (soil content).	2008	JOINT

Pisompongan	MIDSALIP	123.195333	8.050056	Low at the barangay proper; Moderate to high for slopes in the immediate vicinity of the barangay proper	moderate	Barangay proper could act as a site for accumulation of landslide materials that could originate from slopes bounding the barangay, particularly that on the NE. Deforestation aggravating the problem on slope instability affecting several areas between Barangays Matalang and Pisompongan. Observe for presence of mass movement (e.g. landslides, tension cracks); Observe for saturated ground or seeps in areas that are not typically wet.	Seasonally flooded, with flood depth usually less than 1 m. Observe for rapid increase/decrease in river water levels, possibly accompanied by increased turbidity	2008	JOINT
Piwan	MIDSALIP	123.187586	8.028819	high	moderate	Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks); Observe and/or monitor for sunken and/or displace road surfaces; Constant communication with barangay officials on geohazard situation; Develop an early warning device/system intended for landslide-related hazard; Activate BDCC	Seasonally flooded, with flood depth usually less than 1 m within creek channels. Observe for rapid increase/decrease in river water levels, possibly accompanied by increased turbidity and soil content. Develop early warning signal/signage for flood related hazard. Activate BDCC	2008	JOINT
Poblacion A	MIDSALIP	123.318139	8.030639	none	none			2008	JOINT
Poblacion B	MIDSALIP	123.313139	8.034278	none	none			2008	JOINT

Sigapod	MIDSALIP	123.264722	8.025556	Low in Brgy. Proper; High in Sitio Masulog; Sapa Butong; Sitio Gusahan; Sitio Matic	none	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.		2008	JOINT
Timbaboy	MIDSALIP	123.303528	8.040139	none	low to moderate		Sheet flooding occurs seasonally affecting the Brgy. Proper and Purok Palayan.	2008	JOINT
Tulbong	MIDSALIP	123.269694	8.083833	low	none	Observe for presence of mass movement (e.g. landslides, tension cracks)		2008	JOINT
Tuluan	MIDSALIP	123.261898	8.049592	high	moderate to high	Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks); Observe and/or monitor for sunken and/or displace road surfaces; Constant communication with barangay officials on geohazard situation; Develop an early warning device/ system intended for landslide-related hazard; Activate BDCC	Flashflood within creeks/gullies; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increases turbidity (soil content).	2008	JOINT