

TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF BALIGUIAN, ZAMBOANGA DEL NORTE

BRGY	MUNICIPALITY/ CITY	LONGITUDE	LATITUDE	LANDSLIDE SUSCEPTIBILITY RATING	FLOOD SUSCEPTIBILITY RATING	LANDSLIDE REMARKS/RECOMMENDATIONS	FLOOD REMARKS/RECOMMENDATIONS	AS OF	ASSESSED BY/DATA SOURCE
Alegria	BALIGUIAN	122.1577222	7.8505000	None	High	High (steep slope; road cut); Monitor and 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 and displaced road surfaces; constant communication and updates with Brgy. Mamad on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	Coastal flooding attributed to storm surge coupled with intense and prolong rainfall; Due to climate change and erratic rainfall condition it is advisable to increase the floor level of the houses/infrastructures to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding. Identify evacuation site; activate BDCC..	2010	MGB-RO
Diangas	BALIGUIAN	122.1835833	7.7680833	None	High	High (Steep valley side); Monitor for presence of cracks on the steep slope face; constant communication and updates with Brgy. San Jose on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC); come up with an evacuation plan for settlers near the steep slope in the event of intense rain;	High (flashflood along Siocon River; Sheet flooding coupled with high tide level increase the flood susceptibility of the area. Due to climate change and erratic rainfall condition it is advisable to increase the floor level of the houses/infrastructures to more than 1 meter high from the original ground to lessen if	2010	MGB-RO

Diculom	BALIGUIAN	122.2381944	7.9157778	None	High	High (steep ridge; steep valley side); Monitor for presence of mass movement; constant communication and updates with Brgy. Mamawan/Milidan/Malinao on geohazard situation; observed for saturated ground or seeps in areas that are not typically wet; observe for sunken and displaced road surfaces; identify evacuation site; activate Barangay Disaster Coordinating Council (BDCC).	Flashflood zone since the area is situated along the path of 3 active rivers. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content) Develop an early warning system intended for flashflood related hazard prevention; identify evacuation site; Activate BDCC;	2010	MGB-RO
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Guimotan	BALIGUIAN	122.1941389	7.7748611	High	High	<p>Zone of landslide accumulation coming from the steep ridge; monitor and observe for presence of mass movement; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Diangas on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).</p>	<p>High (flashflood and sheet flood along Siocon River); Due to climate change and erratic rainfall condition it is advisable to increase the floor level of the houses/infrastructures to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding. Identify evacuation site; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content) Develop an early warning system intended for flashflood related hazard prevention; identify evacuation site; Activate BDCC</p>	2010	MGB-RO
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Kauswagan	BALIGUIAN	122.1394167	7.8033611	None	High	High (road cut; steep slope); Monitor and observe for progress and presence of mass movement;(e.g landslide, tension cracks); observed for saturated ground or seeps in areas that are not typically wet; Develop an early warning device system intended for landslide related hazard prevention; Observe for sunken and displaced road surfaces; Constant communication and updates with Brgy. Poblacion; activate Barangay Disaster Coordinating Council (BDCC).	High (sheetflood along Baliguian River); Sheet flooding coupled with storm surge (coastal flooding) increase the flood susceptibility of the area. Due to climate change and erratic rainfall condition it is advisable to increase the floor level of the houses/infrastructures to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding. Construct proper drainage system to reduce surface run-off during prolong rainfall. Develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; Activate BDCC Monitor and observe for rapid increase/decrease in creek/river water levels, possibly accompanied	2010	MGB-RO
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Kilalaban	BALIGUIAN	122.2047222	7.7536389	None	High	High (steep slopes; valley side); Monitor progress of mass movement; observe for presence tension cracks along slopes; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Pisawak, Siocon/MPDC; activate Barangay Disaster Coordinating Council (BDCC).	High (Sheetflood and flashflood along creek); Due to climate change and erratic rainfall condition it is advisable to increase the floor level of the houses/infrastructures to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content) Develop an early warning system intended flashflood/sheetflood related hazard prevention; identify evacuation site; Activate BDCC	2010	MGB-RO
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Linay	BALIGUIAN	122.2008944	7.7910361	High	Low	Monitor progress of mass movement; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Observe for saturated ground or seeps in areas that are not typically wet; constant communication and updates with Brgy. Guimotan on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	High (flashflood along creek draining toward the barangay center/Siocon River/Tumao River); Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content) Develop an early warning system intended flashflood-related hazard prevention; identify evacuation site; Activate BDCC; Identify alternate route in going to the barangay. Construct a hanging bridge across the river;	2010	MGB-RO
Lumay	BALIGUIAN	122.1515556	7.8035833	None	High	High (steep valley side southeast of the barangay); Monitor progress of mass movement (e.g. landslides, tension cracks); constant communication and updates with Brgy. Poblacion on geohazard situation; develop an early warning device/system intended for landslide related hazard prevention; identify evacuation site; activate BDCC.	Please see Annex A for the Spot Investigation Report of the Landslide Occurrence along the Upper Slope of Lumay.	2010	MGB-RO

Malinao	BALIGUIAN	122.2320833	7.9305556	None	High	High (steep slopes); Monitor and observe for presence of mass movement; develop an early warning device/system intended for landslide related hazard prevention; observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Diculom on geohazard situation; activate barangay disaster coordinating council.	Coastal flooding attributed to storm surge coupled with intense and prolong rainfall; Due to climate change and erratic rainfall condition it is advisable to increase the floor level of the houses/infrastructures to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding. Identify evacuation site; activate BDCC.	2010	MGB-RO
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Mamad	BALIGUIAN	122.1538611	7.8344444	None	High	High (steep slope north of the barangay); Landslide accumulation zone; Monitor for presence of cracks on the steep slope face; constant communication and updates with Brgy. Poblacion on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC); come up with an evacuation plan for settlers near the steep slope in the event of intense rain; develop an early warning device/system intended for landslide related hazard prevention;	High (Flashflood along Limbaso River); Sheet flooding coupled with storm surge (coastal flooding) increase the flood susceptibility of the area. Due to climate change and erratic rainfall condition it is advisable to increase the floor level of the houses/infrastructures to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding. Construct proper drainage system to reduce surface run-off during prolong rainfall. Develop an early warning device/system intended for flashflood related hazard prevention; Activate BDCC Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content);	2010	MGB-RO
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Mamawan	BALIGUIAN	122.2693611	7.9343611	Moderate	Low	High (valley sides/road cuts); Observe for presence of cracks on steeply sloping ground; develop an early warning device/system intended for landslide related hazard prevention; constant communication and updates with Brgy. Diculom on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	High (flashflood along creek); 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 prevention; Activate BDCC	2010	MGB-RO
Milidan	BALIGUIAN	122.2238056	7.9056389	None	High	Moderate to High (steep slopes); Monitor and observe for presence of mass movement; observed for saturated ground or seeps in areas that are not typically wet; observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Diculom on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	Coastal flooding attributed to storm surge coupled with intense and prolong rainfall; Due to climate change and erratic rainfall condition it is advisable to increase the floor level of the houses/infrastructures to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding. Identify evacuation site; activate BDCC..	2010	MGB-RO

Nonoyan	BALIGUIAN	122.1213611	7.7781944	None	High	<p>High (Steep slope 100 meters from the barangay hall); Areas immediately located at the foot of the steep slope are highly susceptible to landslide accumulation.</p> <p>Monitor for presence of cracks on the steep slope face; constant communication and updates with Brgy. Kauswagan on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC); come up with an evacuation plan for settlers near the steep slope in the event of intense rain; develop an early warning device/system intended for landslide related hazard prevention;</p>	<p>High (flashflood/sheetflood along Nonoyan River); Sheet flooding coupled with storm surge (coastal flooding) increase the flood susceptibility of the area.</p> <p>Due to climate change and erratic rainfall condition it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding.</p> <p>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 prevention; identify evacuation site;</p>	2010	MGB-RO
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Poblacion	BALIGUIAN	122.1426667	7.8088611	None	High	High (steep valley side, road cut going to Mamad); Constant communication and updates with barangay Mamad/Kauswagan and MPDC on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	High (sheetflood along Baliguian River); Sheet flooding coupled with storm surge (coastal flooding) increase the flood susceptibility of the area. Due to climate change and erratic rainfall condition it is advisable to increase the floor level of the houses/infrastructures to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding. Construct proper drainage system to reduce surface run-off during prolong rainfall. Develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; Activate BDCC Monitor and observe for rapid increase/decrease in creek/river water levels, possibly accompanied	2010	MGB-RO
San Jose	BALIGUIAN	122.1819167	7.7535000	None	Low	Moderate (hill and minor ridge); Observed for presence of cracks along steep slope; constant communication with Brgy. Siay, Siocon on geohazard situation; activate BDCC	High (flashflood along creek); Monitor and observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); Activate BDCC; Identify evacuation site;	2010	MGB-RO

Tamao	BALIGUIAN	122.2693611	7.8732222	None	High	High (Steep slopes); Possible landslide accumulation zone of Peak 984; Monitor and observe for presence of cracks on the steep slopes facing the barangay; develop an early warning device/system intended for landslide related hazard prevention; observed for saturated ground or seeps in areas that are not typically wet; observe for sunken and displaced road	Coastal flooding attributed to storm surge coupled with flashflood due to intense and prolong rainfall; Due to climate change and erratic rainfall condition it is advisable to increase the floor level of the houses/infrastructures to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding. Identify evacuation site; activate BDCC.	2010	MGB-RO
Tan-awan	BALIGUIAN	122.1649444	7.8179611	High	None	Monitor progress of mass movement (e.g. landslides, tension cracks); constant communication and updates with Brgy. Lumay/Poblacion on geohazard situation; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken and displaced road surfaces; develop an early warning device/system intended for landslide related hazard prevention; identify evacuation site; activate BDCC.	High (sheetflood on low lying area near Poblacion); Sheet flooding coupled with high tide level increase the flood susceptibility of the area. Due to climate change and erratic rainfall condition it is advisable to increase the floor level of the houses/infrastructures to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding. Construct proper drainage system to reduce surface run-off during prolong rainfall. Develop an early warning device/system intended for sheetflood related hazard prevention; Identify evacuation site; Activate BDCC.	2010	MGB-RO

