

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

<b>BRGY</b>	<b>MUNICIPALITY/ CITY</b>	<b>LONGITUDE</b>	<b>LATITUDE</b>	<b>LANDSLIDE SUSCEPTIBILITY RATING</b>	<b>FLOOD SUSCEPTIBILITY RATING</b>	<b>LANDSLIDE REMARKS/RECOMMENDATIONS</b>	<b>FLOOD REMARKS/RECOMMENDATIONS</b>	<b>AS OF</b>	<b>ASSESSED BY/DATA SOURCE</b>
Bacungan (Pob.)	<b>BACUNGAN (Leon T. Postigo)</b>	122.9305556	8.1594444	None to low	None to Low	Moderate ( creek channel, road cuts and steep slopes;) Observe for presence of mass movement; observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Delusom/ MDCC on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	*localized flooding on low lying areas* Activate BDCC;	2010	MGB-RO
Bogabongan	<b>BACUNGAN (Leon T. Postigo)</b>	122.8736389	8.1392778	Low to moderate	None	* presence of sinkholes were reported by the residents* Foundation problem due to presence of sinkhole is relatively high Monitor and observe for presence of sinkholes; observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Manil on geohazard situation; activate barangay		2010	MGB-RO

Delusom	<b>BACUNGAN (Leon T. Postigo)</b>	122.9189167	8.1523611	Low to Moderate	none	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. Poblacion/MDCC on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	High (Flashflood along the Delusom River) Monitor for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content) ; Develop an early warning system intended flashflood/sheet floodrelated hazard prevention; place flashflood/sheet flood warning signage along riverbank;	2010	MGB-RO
Mangop	<b>BACUNGAN (Leon T. Postigo)</b>	122.8884722	8.1119722	Moderate	None	High ( creek channel, road cuts and steep slopes) Observe for presence of mass movement; 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 surfaces; constant communication and updates with Brgy. Bogabongan/Manil on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	Moderate (flashflood along Manil Creek) Observed for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content);	2010	MGB-RO

Manila	<b>BACUNGAN (Leon T. Postigo)</b>	122.8999444	8.1443889	Low	None to Low	Moderate (steep road cut) Observe for presence of mass movement (e.g landslide, tension cracks); Observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Delusom on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	*localized flooding on low lying areas* Activate BDCC;	2010	MGB-RO
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Mawal	<b>BACUNGAN</b> <b>(Leon T. Postigo)</b>	122.9427778	8.1387500	High	None	<p>* Evidence of vertical displacement of the ground was noted on top of the slope near the side of the basketball court and parallel to the barangay road*</p> <p>Monitor and observe for presence of the tension crack and vertical displacement of the ground near the barangay center; observed for saturated ground or seeps in areas that are not typically wet; observe for sunken and displaced road surfaces; Identify relocation site; Inform the affected residents downslope of the impending landslide hazard area to relocate themselves to a much safer ground; develop an early warning device/system intended for landslide related hazard prevention; constant communication and updates</p>	2010	MGB-RO
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Midatag	<b>BACUNGAN (Leon T. Postigo)</b>	122.9610861	8.1020861	Moderate to High	None	High (road cut; steep slope and valley side) Monitor and observe for presence of tension cracks on top slope facing the valley side; 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 surfaces; constant communication and updates with Brgy. Tiogan on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	High (Flashflood along Talinga River) Monitor 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; place flashflood warning signage along riverbank; constant communication with Brgy. Tiogan on the accessibility of the bridge; If possible request the concern agency to construct proper steel bridge across the river. Spillway is not applicable for this type of drainage condition where boulder size rocks can block the flow of floodwater.	2010	MGB-RO
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Sipacong	<b>BACUNGAN</b> <b>(Leon T. Postigo)</b>	122.9118056	8.0334167	High	High	<p>*Possible zone of landslide accumulation coming from the mountainous section facing the barangay*</p> <p>Low to moderate (Flat to gentle sloping ground)</p> <p>Monitor progress of mass movement (e.g. landslides, tension cracks); Observe for presence of mass movement; 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 surfaces; identify evacuation site away from the foot of the mountain; constant communication and updates with barangay Tinuyop on geohazard situation;</p>	<p>* flashflood and sheet flood along creeks near the barangay center*</p> <p>ZANECO post is affected by channel scouring; Monitor for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); Identify evacuation site; develop an early warning device/system intended for flashflood related hazard prevention; construct embankment protection along the creek channel near the barangay center; Inform ZANECO official on the condition of the electric post; Activate BDCC;</p>	2010	MGB-RO
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Santa Maria	<b>BACUNGAN (Leon T. Postigo)</b>	122.9172778	8.1001667	Moderate to High	None	High ( valley side, road cuts leading to the barangay; and steep slopes) Monitor and observe for presence of tension cracks on top of the slope where the barangay center is situated; develop an early warning device/system intended for landslide related hazard prevention; identify evacuation site observe for sunken and displaced road surfaces; constant communication and updates with Brgys. Tinguiban/ Delusom on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	High (flashflood along Tinguiban River) * Approach of the spill way along Tinguiban-Sta Maria road is susceptible to bank scouring* Monitor rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); Remove tree trunks and rocks that block the water way of the spill way; riprap the scoured section of the river near the embankment of the spillway;	2010	MGB-RO
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Talinga	<b>BACUNGAN</b> <b>(Leon T. Postigo)</b>	122.9528333	8.1750278	Low	High	Constant communication and updates with Brgy. Poblacion on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	*Sheet flood and localized flooding* Moderate to high (sheetflood/flashflood within the floodplain of Talinga River) Monitor 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/sheetflood related hazard prevention; Activate BDCC; identify evacuation site;	2010	MGB-RO
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Tinaplan	<b>BACUNGAN</b> <b>(Leon T. Postigo)</b>	122.9774167	8.1179444	Moderate to High	None	High (road cut; steep slope and valley side) Monitor and observe for presence of tension cracks on top slope facing the river channel and steep slopes; 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 surfaces; constant communication and updates with Brgy. Tinaplan (Sindangan)/MDCC on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).		2010	MGB-RO
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Tinguiban	<b>BACUNGAN</b> <b>(Leon T. Postigo)</b>	122.9265278	8.1374722	High	None	* located at the top slope along the valley side of Tinguiban River* Monitor and observe for presence of tension cracks on top of the slope where the barangay center is located; 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 surfaces; constant communication and updates with Brgy. Poblacion on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	High (flashflood along Delusom Creek) Monitor for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content);	2010	MGB-RO
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Tinuyop	<b>BACUNGAN (Leon T. Postigo)</b>	122.9281667	8.0708611	Low	High	High ( creek channel, road cuts leading to the barangay; valley side) Monitor and observe for presence of mass movement; 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 surfaces; Identify evacuation site; constant communication and updates with Brgy. Sta Maria on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	* flashflood and sheet flood along creeks near the barangay center* Monitor 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; Activate BDCC	2010	MGB-RO
Tiogan	<b>BACUNGAN (Leon T. Postigo)</b>	122.9525000	8.1116667	Moderate to high	None	High (road cut leading to the barangay proper; steep slopes; and valley side; Monitor progress of mass movement (e.g. landslides, tension cracks); Observe for presence of mass movement; develop an early warning device/system intended for landslide related hazard prevention; observed for saturated ground	High (flashflood along Talinga River) * Approach of the spillway leading to Brgy. Midatag was destroyed* Monitor 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; constant	2010	MGB-RO

Titik	<b>BACUNGAN</b> <b>(Leon T. Postigo)</b>	122.0160000	8.0031944	High	High	<p>*Possible zone of landslide accumulation coming from the mountainous section facing the barangay*</p> <p>High (steep slopes; road cuts; valley side)</p> <p>Monitor and observe for progress and presence of mass movement along slopes; develop an early warning device/system intended for landslides 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. Tinaplan (Sindangan)/ MDCC on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).</p>	<p>* flashflood along Piao River*</p> <p>Monitor for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content); Develop an early warning system intended flood-related hazard prevention; Identify evacuation site; activate BDCC.</p>	2010	MGB-RO
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Morob	<b>BACUNGAN (Leon T. Postigo)</b>	122.8857500	8.0809167	Moderate to High	none	High (road cut; and steep valley side) Monitor progress of mass movement (e.g. landslides, tension cracks); Observe for presence of mass movement; 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 surfaces; identify evacuation; constant communication and updates with barangay Mangop on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	High (flashflood along Morob Creek) Monitor 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; construct hanging bridge across the creek; place flashflood warning signage along riverbank; activate BDCC	2010	MGB-RO
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