

**TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF SIOCON, 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>
Balagunan	<b>SIOCON</b>	122.0939444	7.7333750	Low	High-Coastal Hazards (storm surges, swells, coastal erosion, tsunami)	activate Barangay Disaster Coordinating Council (BDCC).	Develop an early warning system intended coastal-related hazard prevention; identify evacuation site; activate Barangay Disaster Coordinating Council (BDCC).	2010	MGB-RO
Andres Micubo Jr. (Balili)	<b>SIOCON</b>	122.1455833	7.6735556	None	high (storm surges, swells,coastal erosion, tsunami)		Develop an early warning system intended coastal-related hazard prevention; identify evacuation site; Constant communication and updates with Brgy.Latabon; Activate BDCC.	2010	MGB-RO
Bucana	<b>SIOCON</b>	122.1268611	7.6953611	None	High on coastal flooding Coastal hazards- coastal erosion/storm surge/swells/ tsunami		Observe coastal erosion/storm surge /swells along the coastal areas. Identify evacuation site; Activate Barangay Disaster Coordinating Council (BDCC).	2010	MGB-RO
Bulacan	<b>SIOCON</b>	122.1803333	7.7287778	None (brgy. center);Low to Moderate-sloping areas	High (sheetflood)-flood plain/flat lying areas	Observe for presence of mass movement (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	Observe 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	2010	MGB-RO

Dionisio Riconalla	<b>SIOCON</b>	122.1910556	7.6925278	Low (brgy. center); Moderate to High-sloping grounds	high (flashflood/sheetflood) on areas adjacent to the Litoban River	Observe for presence of mass movements (e.g landslide, tension cracks); develop an early warning device/system intended for landslides related hazard prevention/mitigation; 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. Makiang; activate Barangay Disaster Coordinating Council (BDCC).	Develop an early warning system intended for flood-related hazard prevention; identify evacuation site; constant communication and updates with Barangay Makiang; Activate BDCC	2010	MGB-RO
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Candiz	<b>SIOCON</b>	122.3218611	7.6894167	Moderate (brgy. center);High-sloping grounds and road cuts	None	Monitor and observe for progress and presence of mass movement specially along road cuts/slopes; Observe for presence of mass movement (e.g landslide, tension cracks); 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; activate Barangay Disaster Coordinating Council (BDCC).		2010	MGB-RO
Jose P. Brillantes, Sr. (Old Lituban)	<b>SIOCON</b>	122.1499444	7.7130556	None	High (areas near the river)		Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content); Develop an early warning system intended sheetflood-related hazard prevention; identify evacuation site; constant communication and updates with Brgy. Poblacion; Activate BDCC	2010	MGB-RO

Latabon	<b>SIOCON</b>	122.1366944	7.6619722	None (brgy. center);Low to Moderate-hilly areas	high (storm surges, swells, coastal erosion, tsunami)	Observe for presence of mass movements (e.g landslide, tension cracks); develop an early warning device/system intended for landslides-related hazard prevention/mitigation; Constant communication and updates with Brgy. Micubo; activate Barangay Disaster Coordinating Council (BDCC).	Develop an early warning system intended coastal-related hazard prevention; identify evacuation site; Activate BDCC.	2010	MGB-RO
Mateo Francisco	<b>SIOCON</b>	122.1351389	7.7188056	None	high (sheetflood)		Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content); Identify evacuation site, Develop an early warning system intended sheetflood-related hazard prevention; Activate BDCC.	2010	MGB-RO
Malipot	<b>SIOCON</b>	122.1636111	7.7304722	None	high (sheetflood)		Observe 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; ; constant communication and updates with Barangay S. Cabral; activate BDCC	2010	MGB-RO

New Lituban	<b>SIOCON</b>	122.1708056	7.7115278	None	Low		High (sheetflood/flashflood) near the segment of Litoban River. Develop an early warning system intended flood-related hazard prevention; identify evacuation site; constant communication and updates with Barangay JP Brillantes; Activate BDCC	2010	MGB-RO
Pisawak	<b>SIOCON</b>	122.1913889	7.7453889	Low to moderate on the hilly areas and sloping grounds	high (sheetflood/flashflood)	Observe for presence of mass movements (e.g landslide, tension cracks); develop an early warning device/system intended for landslides related hazard prevention/mitigation; 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. Siay; activate Barangay Disaster Coordinating Council (BDCC).	River/lateral erosion and scouring are high along outer curve of the river segment southeast of the barangay The spillway(access road to the rest of the municipality) is highly susceptible to flooding; Observe and monitor river activity during heavy rains; Observe 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; engineering measures be applied to address lateral erosion/scouring; place warning signage along riverbank of the spillway; identify evacuation site; constant communication and updates with Barangay Siay; activate BDCC.	2010	MGB-RO

Poblacion	<b>SIOCON</b>	122.1340278	7.7074722	None	Seasonally high (sheetflood)		Observe 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	2010	MGB-RO
Santa Maria	<b>SIOCON</b>	122.1233611	7.7617778	Low-sloping areas to the east, northeast, northwest of the barangay	High-Coastal Hazards such as coastal erosion/storm surge/swells/tsunami/coastal flooding	Observe for presence of mass movement (e.g landslide, tension cracks); Constant communication and updates with Brgy. Tibangao; activate Barangay Disaster Coordinating Council (BDCC).	Observe coastal erosion/storm surge /swells along the coastal areas. Identify evacuation site; Activate Barangay Disaster Coordinating Council (BDCC).	2010	MGB-RO
Suhaile Arabi	<b>SIOCON</b>	122.1250556	7.6990833	None	High		High-coastal hazards such as coastal erosion/storm surge/swells/tsunami/coastal flooding Develop an early warning system intended coastal/flood-related hazard prevention; identify evacuation site; constant communication and updates with Barangay Poblacion; Activate BDCC	2010	MGB-RO

Tibangao	<b>SIOCON</b>	122.1305833	7.7314167	Low (brgy. center);Moderate to High-sloping grounds	low ( sheetflood particularly 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 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. M. Francisco; activate Barangay Disaster	Develop an early warning system intended sheetflood-related hazard prevention; identify evacuation site; activate BDCC.	2010	MGB-RO
S. Cabral	<b>SIOCON</b>	122.1566389	7.7358889	None	high (sheetflood)		Observe for rapid increase/decrease in creek water levels, possibly accompanied by increase turbidity (soil content); Develop an early warning system intended flood-related hazard prevention; identify evacuation site; Activate BDCC	2010	MGB-RO
Datu Sailila	<b>SIOCON</b>	122.1538889	7.7231111	None	high for sheet flood Lateral erosion/scouringhighly susceptible in the segment of the river		Observe 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; engineering measures be applied to address lateral erosion and scouring; Activate BDCC	2010	MGB-RO

Makiang	<b>SIOCON</b>	122.1716667	7.7063333	Low to Moderate	high (sheetflood/flashflood) areas adjacent to Litoban River	high- hilly areas Observe for presence of mass movement (e.g landslide, tension cracks); develop an early warning device/system intended for landslide; activate Barangay Disaster Coordinating Council (BDCC).	Observe 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; constant communication and updates with Barangay New Litoban.	2010	MGB-RO
Malambuhangin	<b>SIOCON</b>	122.1246667	7.6174167	Moderate to High-sloping grounds	High-Coastal Hazards (storm surges, swells, coastal erosion, tsunami)	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. Latabon; activate Barangay Disaster Coordinating Council (BDCC).	Develop an early warning system intended coastal-related hazard prevention; identify evacuation site; activate BDCC.	2010	MGB-RO
Manaol	<b>SIOCON</b>	122.1421944	7.6965278	None	Seasonally High on sheetflood Susceptible to tsunami		Identify evacuation site; Activate Barangay Disaster Coordinating Council (BDCC).	2010	MGB-RO

Matiag	<b>SIOCON</b>	122.1178056	7.7374444	Low	High-coastal hazards (storm surge, coastal flooding, tsunamis)	Observe for presence of mass movement (e.g landslide, tension cracks); develop an early warning device/system intended for landslide-related hazard prevention/mitigation; activate Barangay Disaster Coordinating Council (BDCC).	Develop an early warning system intended coastal-related hazard prevention; Identify evacuation site; Activate BDCC.	2010	MGB-RO
Pangian	<b>SIOCON</b>	122.1504444	7.6979167	Low-on hilly slopes	Moderate to High (sheet flood)	Observe for presence of mass movement (e.g landslide, tension cracks)	Observe for rapid increase/decrease in creek water levels, possibly accompanied by increase turbidity (soil content); Identify evacuation site; Develop an early warning system intended floodrelated hazard prevention; constant communication and updates with Brgy. Manaol; activate Barangay Disaster Coordinating Council (BDCC).	2010	MGB-RO
Siay	<b>SIOCON</b>	122.1774722	7.7411389	None	high (sheetflood/flashflood) Flood water level could reach more than 1 meter.		Observe 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; constant communication and updates with Barangay Pisawak; Activate BDCC	2010	MGB-RO

Tabayo	<b>SIOCON</b>	122.2314444	7.7012500	Very High	High-flashflood areas adjacent to Litoban River	High-sloping grounds and road cuts Monitor and observe for progress and presence of mass movement; mitigate the slopes adjacent to the school and barangay hall; avoid the use of these buildings during incessant and heavy rainfall; Observe for presence of mass movements (e.g landslide, tension cracks); 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. Makiang; activate Barangay Disaster Coordinating Council (BDCC).	Observe 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	2010	MGB-RO
Tagaytay	<b>SIOCON</b>	122.1470833	7.7221944	Low	Seasonally low for sheet flood Seasonally high (sheetflood) low lying areas near the river	Observe for presence of mass movement (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	Observe 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; Activate BDCC.	2010	MGB-RO

