

**TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF KATIPUNAN, ZAMBOANGA DEL NORTI**

<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>
Balok	KATIPUNAN	123.2485833	8.4184167	Moderate	high (flash flood/sheet flood)	Observe for presence of mass movement (e.g landslide, tension cracks); Monitor and observe for progress and presence of mass movement along road cuts; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; activate Barangay Disaster Coordinating Council (BDCC). Constant communication and updates with Brgy. Matam.	Observe 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; Activate BDCC.	2009	MGB-RO
Basagan	KATIPUNAN	123.3101389	8.4740833	Low	high sheet flood	Observe for presence of mass movement (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	sheet flooding with high (>1 m) water depth; Develop an early warning system intended for sheet flood-related hazard prevention; Activate BDCC.	2009	MGB-RO
Biniray	KATIPUNAN	123.2921667	8.4761667	Low	Low	Observe for presence of mass movement (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	Develop an early warning system intended for sheet flood-related hazard prevention; Observe lateral erosion and scouring of Dikayu River; Activate BDCC.	2009	MGB-RO

Bulawan	<b>KATIPUNAN</b>	123.2739167	8.3922222	Moderate	None	Monitor and observe for progress and presence of mass movement along road cuts; 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; Constant communication and updates with Brgy. Sitog; activate Barangay Disaster Coordinating Council (BDCC).	None	2009	MGB-RO
Daanglungsod	<b>KATIPUNAN</b>	123.3019722	8.5094167	Low	Low-near the Dikayu River	Observe for presence of mass movement (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	activate Barangay Disaster Coordinating Council (BDCC).	2009	MGB-RO

Dabiak	<b>KATIPUNAN</b>	123.2871667	8.3574722	Moderate	None	Monitor and observe for progress and presence of mass movement along road cuts; 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; Constant communication and updates with Brgy. Sitog; activate Barangay Disaster Coordinating Council (BDCC).	None	2009	MGB-RO
Dr. Jose Rizal (Lower Mias)	<b>KATIPUNAN</b>	123.2942222	8.5085556	Low	None	Observe for presence of mass movement (e.g landslide, tension cracks);	None	2009	MGB-RO
Fimagas	<b>KATIPUNAN</b>	123.2363390	8.3581420	High	None (brgy. center)	Monitor and observe for progress and presence of mass movement; 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; Constant communication and updates with Brgy. Bulawan; activate Barangay Disaster Coordinating Council (BDCC).	None	2009	MGB-RO

Malugas	<b>KATIPUNAN</b>	123.3133333	8.4968333	Low	None	Observe for presence of mass movements (e.g landslide, tension cracks)	None	2009	MGB-RO
Malasay	<b>KATIPUNAN</b>	123.2410278	8.3738889	High	High	Monitor and observe for progress and presence of mass movement and in particular Purok Uno; Observe for presence of mass movements (e.g landslide, tension cracks); develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Identify evacuation site; Constant communication and updates with Brgy. Bulawan; activate Barangay Disaster Coordinating Council (BDCC). Prohibit the use of the barangay hall since it is directly and constantly under the threat of landslide. The adjacent elementary school is also under the threat of landslide.	(flashflood) Develop an early warning system intended for sheet flood-related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	2009	MGB-RO

Matam	<b>KATIPUNAN</b>	123.2660556	8.4438333	Moderate	Low	Monitor and observe for progress and presence of mass movement like the road cuts, slopes, etc; 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 or displaced road surfaces; Identify evacuation site; Constant communication and updates with Brgy. Nanginan; activate Barangay Disaster Coordinating Council (BDCC).	(sheet flood) Seasonal (annually – every rainy season) sheet flooding with low (0 – 0.5 m) water depths; activate Barangay Disaster Coordinating Council (BDCC).	2009	MGB-RO
Mias	<b>KATIPUNAN</b>	123.2791944	8.4985556	Low	None	Observe for presence of mass movements (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; activate Barangay Disaster Coordinating Council (BDCC).	Localized flooding specially on low lying areas such as rice fields	2009	MGB-RO

Miatan	<b>KATIPUNAN</b>	123.2760833	8.4186667	Moderate	None	Monitor and observe for progress and presence of mass movement such as along the road, slopes and the portion of the hill where the hanging foot bridge is anchored; Observe for presence of mass movement (e.g landslide, tension cracks); develop an early warning device/system intended for landslide-related hazard prevention/mitigation; place landslide warning signage at the entrance of the hanging foot bridge; Constant communication and updates with Sanao.	Monitor and observe lateral erosion and river scouring. The foundation of the hanging foot bridge is threatened by the river erosion; engineering measure should be applied immediately to address the problem; activate Barangay Disaster Coordinating Council (BDCC).	2009	MGB-RO
Nanginan	<b>KATIPUNAN</b>	123.2520278	8.4696111	Moderate	None	Monitor and observe for progress and presence of mass movement; 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; Constant communication and updates with Brgy. Mias; avoid using the barangay road during heavy rainfall.	None	2009	MGB-RO

Barangay Uno (Pob.)	<b>KATIPUNAN</b>	123.2806667	8.5126667	Low	None	Observe for presence of mass movement (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	Coastal area-Storm surge/coastal erosion activate BDCC	2009	MGB-RO
Barangay Dos (Pob.)	<b>KATIPUNAN</b>	123.2861667	8.5138889	Low	None	Observe for presence of mass movement (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC)	Coastal area-Storm surge/coastal erosion activate BDCC	2009	MGB-RO
San Antonio (Looy)	<b>KATIPUNAN</b>	123.3018611	8.5209167	Low	None	Observe for presence of mass movement (landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	Coastal hazards (coastal erosion/storm surge/coastal flooding) activate Barangay Disaster Coordinating Council (BDCC).	2009	MGB-RO
Seres	<b>KATIPUNAN</b>	123.3242778	8.4095000	Low	None	Observe for presence of mass movement (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	Low-near the tributary of Punta River	2009	MGB-RO

Seroan	<b>KATIPUNAN</b>	123.3198333	8.3415833	High	None	Monitor and observe for progress and presence of mass movement along road cuts; Observe for presence of mass movement (e.g landslide, tension cracks); Observe for sunken displaced road surfaces; develop an early warning device/system intended for landslidelated hazard prevention/mitigation; identify evacuation site; activate Barangay Disaster Coordinating Council (BDCC).	None	2009	MGB-RO
Singatong	<b>KATIPUNAN</b>	123.2907222	8.4596944	Moderate	None	Monitor and observe for progress and presence of mass movement; Observe for presence of mass movement (e.g landslide, tension cracks); Observe for sunken displaced road surfaces; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; identify evacuation site; activate Barangay Disaster Coordinating Council (BDCC).	None	2009	MGB-RO
Sinuyak	<b>KATIPUNAN</b>	123.3059167	8.4310278	Low	Low-low lying areas	Observe for presence of mass movement (e.g landslide, tension cracks); observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for	activate Barangay Disaster Coordinating Council (BDCC).	2009	MGB-RO



Sitog	<b>KATIPUNAN</b>	123.2993333	8.3983611	Moderate	None	Observe for presence of mass movements (e.g landslide, tension cracks); develop an early warning device/system intended for landslide-related hazard prevention/mitigation; activate BDCC.	None	2009	MGB-RO
Tuburan	<b>KATIPUNAN</b>	123.2700278	8.5119722	Low	None	Observe for presence of mass movement (landslide, tension cracks); activate BDCC.	High –coastal hazards (erosion/storm surge/coastal flooding) activate Barangay Disaster Coordinating Council (BDCC).	2009	MGB-RO
Carupay	<b>KATIPUNAN</b>	123.2726510	8.3412160	Moderate to high	None (brgy. proper); moderate to high flashflood along river channels)	Monitor and observe for progress and presence of mass movement along road cuts; 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; activate Barangay Disaster Coordinating Council (BDCC).	Develop an early warning system intended for flood-related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	2009	MGB-RO
Loyuran	<b>KATIPUNAN</b>	123.3071667	8.4511389	Low	High (flashflood)	Observe for presence of mass movements (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	Develop an early warning system intended for sheet flood-related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	2009	MGB-RO

New Tambo	<b>KATIPUNAN</b>	123.2700556	8.5119722	Low	None	Observe for presence of mass movement (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	coastal erosion/storm surge on coastal front activate Barangay Disaster Coordinating Council (BDCC).	2009	MGB-RO
Patik	<b>KATIPUNAN</b>	123.3064167	8.4178333	Moderate	None	Monitor and observe for progress and presence of mass movement; Observe for presence of mass movements (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	None	2009	MGB-RO
Sanao	<b>KATIPUNAN</b>	123.2863056	8.4321667	Moderate	None	Monitor and observe for progress and presence of mass movement; Observe for presence of mass movements (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	None	2009	MGB-RO
San Vicente	<b>KATIPUNAN</b>	123.3034167	8.4980556	Low	Low-near the creek	Observe for presence of mass movement (landslide, tension cracks); activate BDCC.	Seasonal (annually – every rainy season) sheet flooding with low (0-0.5 m) specially near the creek; activate Barangay Disaster Coordinating Council (BDCC).	2009	MGB-RO

Santo Niño	<b>KATIPUNAN</b>	123.2994167	8.4852222	Moderate	None	Monitor and observe for progress and presence of mass movement; Observe for presence of mass movement (landslide, tension cracks); develop an early warning device/system intended for landslides related hazard prevention/mitigation; Observe for sunken displaced road surfaces; activate Barangay Disaster Coordinating Council (BDCC).	None	2009	MGB-RO
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