

TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF JOSE DALMAN, 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
Dinasan	JOSE DALMAN (PONOT)	123.0787500	8.3409167	Low to moderate	high (areas within the tributary of Disacan River (flashflood))	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. Marupay; 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 flashflood-related hazard prevention; Activate BDCC	2010	MGB-RO
Madalag	JOSE DALMAN (PONOT)	122.9864444	8.4040833	Low	High-low lying areas and near tributary of Manawan Creek (flashflood/sheet flood) High-coastal hazards such as coastal erosion/storm surge/swells	Observe for presence of mass movements (e.g landslide, tension cracks)	Observe for rapid increase/decrease in creek water levels, possibly accompanied by increase turbidity (soil content); identify evacuation site; activate Barangay Disaster Coordinating Council (BDCC). Observe coastal erosion/storm surge along the coastal areas.	2010	MGB-RO

Manawan	JOSE DALMAN (PONOT)	122.9962778	8.4191944	Low	Seasonally high-low lying areas and near Manawan Creek (flashflood/sheet flood) High-coastal hazards such as coastal erosion/storm surge/swells	Observe for presence of mass movements (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); Identify evacuation site; activate Barangay Disaster Coordinating Council (BDCC). Observe coastal erosion/storm surge along the coastal areas.	2010	MGB-RO
Poblacion (Ponot)	JOSE DALMAN (PONOT)	123.0211389	8.4444444	Low	Seasonally high on areas within the Bocdol Creek (flashflood/sheetflood) High-coastal hazards such as coastal erosion/storm surge/swells	Observe for presence of mass movements (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	Observe coastal erosion/storm surge along the coast areas. Identify evacuation site; Activate Barangay Disaster Coordinating Council (BDCC).	2010	MGB-RO

Siparok	JOSE DALMAN (PONOT)	123.0442222	8.4843611	Low	High (sheet flood/flash flood) – sheet flooding with high (>1 m) water depths on the flat lying areas/flood plain of Disacan River; High-coastal hazards such as coastal erosion/storm surge/swells	Observe for presence of mass movements (e.g landslide, tension cracks); activate Barangay Disaster Coordinating Council (BDCC).	Flooding on the Disacan River is susceptibly high, with associated mass movement as what had transpired in 2001. The flood and mass movement killed 21 people and totally damaged 123 houses, infrastructures such as roads and a bridge. 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 flashfloodrelated hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	2010	MGB-RO
Tabon	JOSE DALMAN (PONOT)	123.0230278	8.4705556	Low	low (sheetflood; brgy center) High-coastal hazards such as coastal erosion/storm surge/swells	Observe for presence of mass movements (e.g landslide, tension cracks);	Develop an early warning system intended coastal-related hazard prevention; identify evacuation site; Activate BDCC	2010	MGB-RO
Tamil	JOSE DALMAN (PONOT)	123.0073611	8.4270000	Low	High-near Tamil Creek (flashflood/sheetflood) High-coastal hazards such as coastal erosion/storm surge/swells	Observe for presence of mass movements (e.g landslide, tension cracks)	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; Activate BDCC	2010	MGB-RO

Balatakan	JOSE DALMAN (PONOT)	123.0396667	8.4301667	Moderate	High (flashflood) along creeks	Monitor and observe for progress and presence of mass movement along the road cuts, slopes of the hills; 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. Poblacion; 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 flashflood-related hazard prevention; activate BDCC	2010	MGB-RO
Bitoon	JOSE DALMAN (PONOT)	123.0655556	8.4478056	High (road cuts along barangay road and slopes)	High-the center is located on Disacan River (flashflood/sheet flooding)	Monitor and observe for progress and presence of mass movement along road cuts; 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. Siparok; 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 flashflood-related hazard prevention; Activate BDCC; engineering measures be applied to address lateral erosion. Flooding on the Disacan River is susceptibly high, with associated mass movement as what had transpired in 2001. The flood and mass movement killed 21 people and totally damaged 123 houses, infrastructures such as roads, a bridge and dikes .	2010	MGB-RO

Ilihan	JOSE DALMAN (PONOT)	123.0503056	8.3814444	Low	None	Moderate - along hilly 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; constant communication and updates with Brgy. Labakid; activate Barangay Disaster Coordinating Council (BDCC).		2010	MGB-RO
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Labakid	JOSE DALMAN (PONOT)	123.0241944	8.3900278	Low	None	Moderate – road cuts and slopes on the area 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. Litalip; activate Barangay Disaster Coordinating Council (BDCC).	Seasonally high (flashflood) Along the tributary of Disacan 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; Activate BDCC	2010	MGB-RO
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Lipay	JOSE DALMAN (PONOT)	123.1088611	8.3434167	Moderate	None	High (road cuts along provincial road) 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 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; identify relocation site for residents of Sitio Laktusan; constant communication and updates with Brgy. Dinasan; activate Barangay Disaster Coordinating Council (BDCC).	Seasonally high on areas within the tributary of Disacan River (flashflood) Observe for rapid increase/decrease in tributary water levels, possibly accompanied by increase turbidity (soil content); Develop an early warning system intended flashflood-related hazard prevention; Activate BDCC	2010	MGB-RO
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Litalip	JOSE DALMAN (PONOT)	123.0008889	8.4021667	Moderate	High (flashflood)	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. Manawan; 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 flashflood-related hazard prevention; Activate BDCC	2010	MGB-RO
Lopero	JOSE DALMAN (PONOT)	123.0456111	8.3630000	Low	None	Moderate-along hilly slopes Monitor and observe for progress and presence of mass movement; Observe for presence of mass movements (e.g landslide, tension cracks); develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Constant communication and updates with Brgy. Ilihan; activate Barangay Disaster Coordinating Council (BDCC).	Seasonally high on areas within the tributary of Disacan River (flashflood) 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; Activate BDCC	2010	MGB-RO

Lumanping	JOSE DALMAN (PONOT)	123.0686111	8.4070556	High	None	Monitor and observe for progress and presence of mass movement; Observe for presence of mass movements (e.g landslide, tension cracks); 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; Observe for sunken and displaced road surfaces; Constant communication and updates with Brgy. Ilihan; activate Barangay Disaster Coordinating Council (BDCC).	Seasonally high on areas within the Disacan River (flashflood) Observe for rapid increase/decrease in river water levels, possibly accompanied by increase turbidity (soil content); Develop an early warning system intended flashflood-related hazard prevention; Activate BDCC	2010	MGB-RO
Marupay	JOSE DALMAN (PONOT)	123.0662778	8.3724444	Low to Moderate	None	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. Ilihan; activate Barangay Disaster Coordinating Council (BDCC).	Seasonally high on areas within the tributary of Disacan River (flashflood) 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; Activate BDCC	2010	MGB-RO

Sigamok	JOSE DALMAN (PONOT)	123.0438889	8.4045556	Moderate	None	High- steep sloping areas Observe for presence of mass movement (e.g landslide, tension cracks); Monitor and observe for progress and 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. Poblacion; activate Barangay Disaster Coordinating Council (BDCC).		2010	MGB-RO
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Tamarok	JOSE DALMAN (PONOT)	123.0774722	8.3802222	High	Seasonally high	<p>Observe for presence of mass movement (e.g landslide, tension cracks); Monitor and observe for progress and presence of mass movement along the slopes of the valley sides where the barangay/community center is located; 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; identify relocation site for the barangay center; constant communication and updates with Brgy Marupay; activate Barangay Disaster Coordinating Council (BDCC).</p>	<p>The barangay center is located within the Disacan River (flashflood) 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</p>	2010	MGB-RO
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