

TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF LA LIBERTAD, 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
El Paraiso	LA LIBERTAD	123.5374167	8.4338889	Low	None	Observe for presence of mass movement (e.g. landslide, tension cracks); Observe for sunken or displaced road surfaces.	(flashflood along Dapitan River in in Purok I) Major concern is the frequent overflowing of floodwater on the spillways traversing the Dapitan River which connects Sta Catalina to the barangays of El Paraiso, New Argao, Mercedes, San Jose, and Singaran; Develop an early warning device/system intended for flashfloodrelated hazard prevention; Observed for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); Constant communication and updates with the concerned barangay on geohazard situation; Activate BDCC; Alternate route is recommended; For engineering measures, construction of bridge crossing Dapitan River is recommended.	2009	MGB-RO

La Union	LA LIBERTAD	123.5125556	8.5110833	Low	Seasonally low	Observe for presence of mass movement (e.g. landslide, tension cracks). Constant communication and updates with MDCC on geohazard situation.	(Flashflood along Mapang Creek) Observed for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content) along Mapang Creek; Develop an early warning device/sytem intended for flash flood-related hazard prevention/mitigation of Mapang Creek; Constant communication and updates with MDCC on geohazard situation. Activate	2009	MGB-RO
La Victoria	LA LIBERTAD	123.5516111	8.4377222	Low	None	Observe for presence of mass movement (e.g. landslide, tension cracks). Observe for sunken or displaced road surfaces. Constant communication with Barangay New Bataan on geohazard situation. Activate BDCC.	None	2009	MGB-RO

Mauswagon	LA LIBERTAD	123.5180278	8.4858333	Low	Seasonally low	Observe for presence of mass movement (e.g. landslide, tension cracks). Constant communication and updates with MDCC on geohazard situation. Activate BDCC	(Flashflood along Dapitan River) Observed for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content) for Dapitan River; Develop an early warning device/system intended for flash flood-related hazard prevention; Identify relocation site for residents along Dapitan River in Sitio Tuwayon; Constant communication and updates with MDCC on geohazard situation. Activate Barangay Disaster Coordinating Council (BDCC);	2009	MGB-RO
Mercedes	LA LIBERTAD	123.5124722	8.4255000	Low	None	Observe for presence of mass movement (e.g. landslide, tension cracks); Observe for sunken or displaced road surfaces. Constant communication and updates with Brgy. New Argao on geohazard situation. Activate BDCC	(Flashflood along the creek) Major concern is the frequent overflowing of floodwater on the spillways traversing the Dapitan River which connects Sta Catalina to the barangays of El Paraiso, New Argao, Mercedes, San Jose, and Singaran; Develop an early warning device/ system intended for floodrelated hazard prevention; Alternate route is recommended;	2009	MGB-RO

New Argao	LA LIBERTAD	123.522222	8.4517778	Low	None	Observe for presence of mass movement (e.g. landslide, tension cracks); Observe for sunken or displaced road surfaces.	(flashflood along Dapitan River) Major concern is the frequent overflowing of floodwater on the spillways traversing the Dapitan River which connects Sta Catalina to the barangays of El Paraiso, New Argao, Mercedes, San Jose, and Singaran; Develop an early warning device/system intended for flashfloodrelated hazard prevention; Observed for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); Constant communication and updates with Brgy. Sta. Catalina on geohazard situation; activate BDCC; Alternate route is recommended;	2009	MGB-RO
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New Bataan	LA LIBERTAD	123.5509444	8.4460000	High	None	Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks. Develop an early warning device/ system intended for landslide and flood-related hazard prevention. Identify evacuation site. Observe for saturated ground or seeps in areas that are not typically wet. Observe for sunken or displaced road surfaces. Constant communication and updates with Barangay La Victoria on geohazard situation. Activate BDCC.	(Flashflood along the creeks) Observed for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content) along the spillway.	2009	MGB-RO
New Carcar	LA LIBERTAD	123.5350833	8.4793611	Low	None	Observe for presence of mass movement (e.g. landslide, tension cracks). Observe for sunken or displaced road surfaces.	None	2009	MGB-RO

Poblacion	LA LIBERTAD	123.5240278	8.4704167	Low	Moderate	Observe for presence of mass movement (e.g. landslide, tension cracks)	(Flashflood along Tuwayon Creek). Observed for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); Develop an early warning device/sytem intended for floodrelated hazard prevention/mitigation of Tuwayon Creek; Identify relocation site for residents of Sitio Tuwayon; constant communication and updates with MDCC on geohazard situation. Activate Barangay Disaster Coordinating Council (BDCC);Allot budget fo embankment protection of Tuwayon creek.	2009	MGB-RO
San Jose	LA LIBERTAD	123.5079444	8.4468056	Low	None	Observe for presence of mass movement (e.g. landslide, tension cracks); Observe for sunken or displaced road surfaces. Constant communication and updates with Brgy. New Argao on geohazard situation. Activate BDCC	Major concern is the frequent overflowing of floodwater on the spillways traversing the Dapitan River which connects Sta Catalina to the barangays of El Paraiso, New Argao, Mercedes, San Jose, and Singaran; Develop an early warning device/system intended for floodrelated hazard prevention. Alternate route is recommended;	2009	MGB-RO

Santa Catalina	LA LIBERTAD	123.5305278	8.4562222	Low	None	Observe for presence of mass movement (e.g. landslide, tension cracks); Observe for sunken or displaced road surfaces.	None	2009	MGB-RO
Santa Cruz	LA LIBERTAD	123.5533611	8.4604444	Low	None	Observe for presence of mass movement (e.g. landslide, tension cracks). Observe for sunken or displaced road surfaces. Constant communication with Barangay New Carcar on geohazard situation. Activate BDCC.	None	2009	MGB-RO
Singaran	LA LIBERTAD	123.5070000	8.4703889	Low	None	Observe for presence of mass movement (e.g. landslide, tension cracks); Observe for sunken or displaced road surfaces. Activate BDCC.	(flashflood along Dapitan River.) Spillway connected to La Libertad is not passable. Alternate route is recommended.	2009	MGB-RO

