

TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF DUMINGAG, ZAMBOANGA DEL SUR

BRGY	MUNICIPALITY	LONGITUDE	LATITUDE	LANDSLIDE SUSCEPTIBILITY RATING	FLOOD SUSCEPTIBILITY RATING	LANDSLIDE REMARKS/RECOMMENDATIONS	FLOOD REMARKS/RECOMMENDATIONS	AS OF	ASSESSED BY/DATA SOURCE
Bagong Kauswagan	DUMINGAG	123.296306	8.127111	moderate	none	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks.		2008	JOINT
Bagong Silang	DUMINGAG	123.244722	8.101333	High	none	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks). Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content);Observed for saturated ground or seeps in areas that are not typically wet.		2008	JOINT
Bagong Valencia	DUMINGAG	123.281889	8.132944	High	none	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks). Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content);Observed for saturated ground or seeps in areas that are not typically wet.		2008	JOINT

Bucayan	DUMINGAG	123.312528	8.137806	low	moderate	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks.	Destruction of spillway is caused by floodwaters from Bago Creek. Flood depth ranges from 0.5 to 1 meter during continuous heavy rainfall. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).	2008	JOINT
Calumangi	DUMINGAG	123.287500	8.084750	none	none			2008	JOINT
Canibogan	DUMINGAG	123.228472	8.169722	moderate	low	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks.	A few areas experience rare occurrence of flash flood. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity.	2008	JOINT
Caridad	DUMINGAG	123.356056	8.151944	none	none			2008	JOINT
Danlujan	DUMINGAG	123.215333	8.146167	High	none	Monitor progress and observe for presence of mass movement (e.g. landslides, tension cracks); Observe for sunken or displaced road surfaces; Constant communication and updates with MDCC on geohazard situation; Activate BDCC; Establish an evacuation route in case of extreme weather condition; Information and education campaign (IEC) on potential landslide threat		2008	JOINT

Dapiwak	DUMINGAG	123.286361	8.201028	High	moderate	Monitor progress and observe for presence of mass movement (e.g. landslides, tension cracks); 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 MDCC on geohazard situation; Inform residents on possible mass movement; Activate BDCC	Flash flood occurrence is very common with high turbidity; Observe for rapid increase/decrease in creek/water levels, possibly accompanied by increased turbidity (soil content)	2008	JOINT
Datu Totocan	DUMINGAG	123.222083	8.127139	low-barangay center high-barangay Datu Tutukan-Labangon road; high- hills southwest of barangay center	none	Monitor progress and observe for presence of mass movement (e.g. landslides, tension cracks); Observe for presence of mass movements (e.g. landslides, mass movements). Observe for saturated ground or seeps in areas that are not typically wet. Monitor and prepare for landslide-related mitigation on the very steep sloping road cut.		2008	JOINT

Dilud	DUMINGAG	123.333444	8.185444	Moderate	Moderate	Monitor progress of mass movement (e.g. landslides, mass movements).; observe for other mass movement; observe for rapid increase/decrease in creek/river water level possibly accompanied by increase turbidity; observe for saturated ground or seep in areas that are not typically wet. Observe for sunken or displaced road surfaces; relocate about 5 houses living at narrow ridges and steep slopes.	Overflow of Guitran River causes flooding as high as 1 meter.	2008	JOINT
Ditulan	DUMINGAG	123.283333	8.181861	moderate	low	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks.	Flash flood with low turbidity is rare. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity.	2008	JOINT
Dulian	DUMINGAG	123.227694	8.117917	Low	none	Observe for presence of mass movements (e.g. landslides, mass movements).		2008	JOINT
Dulop	DUMINGAG	123.230944	8.214667	moderate	moderate	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks.	Flash flood with high turbidity is common. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity.	2008	JOINT
Guintananan	DUMINGAG	123.258667	8.181167	moderate	none	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks.		2008	JOINT

Guitran	DUMINGAG	123.366056	8.161278	None- barangay proper; Moderate at Puroks 3,4 and 5	none (brgy. center)	Monitor progress of mass movement (e.g. landslides, tension cracks); Observe for presence of mass movement (e.g. landslides, tension cracks) particularly in Puroks 3,4 and 5.	None at barangay proper, however, because of the presence of a very small, shallow spring which is locally termed as "puyog", rainwater that cannot be contained by its channel is spilled out to the rice fields bringing damage to the crops.	2008	JOINT
Gumpingán	DUMINGAG	123.260556	8.102500	moderate	none	Observe for presence of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks). Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Observe for saturated ground or seeps in areas that are not typically wet.		2008	JOINT
La Fortuna	DUMINGAG	123.288556	8.150278	High	none	Monitor progress of mass movement (e.g. landslides, tension cracks); Observe for presence of mass movement (e.g. landslides, tension cracks). Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); Observed for saturated ground or seeps in areas that are not typically wet.		2008	JOINT

Labangon	DUMINGAG	123.183472	8.125639	Moderate	none	Observe for presence of mass movements (e.g. landslides, mass movements). Observe for saturated ground or seeps in areas that are not typically wet. Constant communication and updates with Barangay Disaster Coordinating Council and the residents on the geohazard situation;The BDCC should prepare and implement landslide-related mitigating measures. Stop <i>kaingin</i> activity along the slopes; no more cutting of trees. If possible, relocate the center to much stable ground with low sloping ground.		2008	JOINT
Libertad	DUMINGAG	123.351944	8.142222	none	none (brgy. center)		None at the barangay proper, however, at Puroks 4 and 5, crops are damaged due to the overflow of Timonan River during heavy and continuous rainfall.	2008	JOINT
Licabang	DUMINGAG	123.252750	8.199806	High	low	Find a relocation site for the barangay hall and houses of Mr. Melecio Villantes and Mr. Ricardo Mosqueda since they are on top of an active landslide. Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks.	Flash flood with low turbidity is rare. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity.	2008	JOINT

Lipawan	DUMINGAG	123.343917	8.172250	none	high		Most areas are highly susceptible to flooding. Develop an early warning device/system intended for flood-related hazard; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity; Heavy siltation in and bank erosion along the Lipawan River pose a serious problem. Avoid putting up structures in the immediate vicinity of the river.	2008	JOINT
Lower Landing	DUMINGAG	123.331611	8.153472	Low	none (brgy. center)	Observe for presence of mass movements (e.g. landslides, mass movements); identify evacuation site for flooding victims particularly at Purok Irrigation Site-10houses, Purok Tabok-10 houses & Purok Everlasting -15 houses; observe for rapid increase/decrease in creek/river water level possibly accompanied by increase turbidity.	Flooding confined near river channel.	2008	JOINT
Lower Timonan	DUMINGAG	123.360417	8.116944	none	Moderate		Overflowing of Timonan River during heavy rainfall affects roads, rice fields and about 3 houses along riverbanks. Flood duration is 4-8 hours.	2008	JOINT

Macasing	DUMINGAG	123.240583	8.137500	Moderate (bgry. Center);High-Purok 1,2,6 and 7	none	Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movements (e.g. landslides, mass movements). Observe for saturated ground or seeps in areas that are not typically wet. Constant communication and updates with Barangay Disaster Coordinating Council and the residents on the geohazard situation;The BDCC should prepare and implement landslide-related mitigating measures. Stop kaingin activity along the slopes; no more cutting of trees. If possible, relocate the center to much stable ground with low sloping ground.		2008	JOINT
Mahayahay	DUMINGAG	123.314500	8.163833	Moderate	moderate	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks.	Heavy siltation of Dumingag River causes flooding, affecting Puroks 1, 2 and Sitio Lunas. Flood depth reaches up to 1 meter. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity..	2008	JOINT

Malagalad	DUMINGAG	123.238083	8.153861	High	none	Monitor progress and observe for presence of mass movement (e.g. landslides, tension cracks, terracettes); Observe for sunken or displaced road surfaces; Activate BDCC; Observe for saturated ground or seeps in areas that are not typically wet. Identify evacuation site.		2008	JOINT
Manlabay	DUMINGAG	123.325194	8.128306	none	none			2008	JOINT
Maralag	DUMINGAG	123.370000	8.139444	none	Moderate		Because of its relatively low elevation and the presence of Guitran and Dipolo Rivers, this barangay experiences flooding as high as 1m in depth.	2008	JOINT
Marangan	DUMINGAG	123.336889	8.102778	Low	low to moderate	Monitor progress of mass movement (e.g. landslides, tension cracks) Observe for presence of mass movement (e.g. landslides, tension cracks).	Timonan River overflows during intense rainfall, causing flooding with depth reaching 0.5 meter.	2008	JOINT
New Basak	DUMINGAG	123.334250	8.138583	none	Moderate		Rice fields are affected by flooding due to overflowing of Dumingag River. Flood duration is usually 8-10 hours during rainy season. Flood depth reaches a maximum of 1 meter.	2008	JOINT

Saad	DUMINGAG	123.317250	8.230417	High	none	Monitor progress of mass movement (e.g. landslides, mass movements); develop early warning device/system intended for landslide-related hazard prevention; identify evacuation site; observe for sunken road surfaces; Identify relocation site for residents of Brgy Saad especially for about 40houses at Sitio Mubod, Sagampanay Pangaki and its immediate vicinity; constant communication and update with Brgy. Dilud and the municipality's NDCC.		2008	JOINT
Salvador	DUMINGAG	123.251780	8.228540	moderate to high	none	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).		2008	JOINT
San Juan	DUMINGAG	123.296194	8.090167	high	none	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).		2008	JOINT

San Pablo (Pob)	DUMINGAG	123.344528	8.154944	none	none			2008	JOINT
San Pedro (Pob)	DUMINGAG	123.345472	8.026111	none	none			2008	JOINT
San Vicente	DUMINGAG	123.292250	8.105167	High	none	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).		2008	JOINT
Senote	DUMINGAG	123.265306	8.121111	High	none	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks). Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).		2008	JOINT

Sinonok	DUMINGAG	123.298639	8.220778	high	moderate	Monitor progress and observe for presence of mass movement (e.g. landslides, tension cracks); Observe for sunken or displaced road surfaces; Constant communication and updates with MDCC on geohazard situation; Activate BDCC; Establish an evacuation route in case of extreme weather condition; Information and education campaign (IEC) on potential landslide threat	Flash flood occurrence along Guitran River and Sinonok Creek is very common with high turbidity; Observe for rapid increase/ decrease in creek/water levels, possibly accompanied by increased turbidity (soil content)	2008	JOINT
Sunop	DUMINGAG	123.368833	8.206944	Moderate for the barangay proper; High for slopes bounding the barangay proper	none	Monitor progress and observe for presence of mass movement (e.g. landslides, tension cracks); Observe for saturated ground or seeps in areas that are not typically wet; Consider relocating residents whose houses lie on steep slopes; Sunop Elementary School is situated behind an unstable slope. Consider relocating the school or implement slope stabilization measures.		2008	JOINT

Tagun	DUMINGAG	123.260944	8.145972	High	moderate	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks). Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content);Observed for saturated ground or seeps in areas that are not typically wet.		2008	JOINT
Tamurayan	DUMINGAG	123.263333	8.138889	moderate	low	Monitor progress of mass movement (e.g. landslides, tension cracks);Observe for presence of mass movement (e.g. landslides, tension cracks.	Flooding only confined within creek banks	2008	JOINT
Upper Landing	DUMINGAG	123.334611	8.163361	Low	low to moderate	Observe for presence of mass movements (e.g. landslides, mass movements); identify evacuation site for flooding victims particularly at Purok 1 & 2 about 40 houses; observe for rapid increase/decrease in creek/river water level possibly accompanied by increase turbidity.	Puroks 1 & 2 are affected by flooding	2008	JOINT
Upper Timonan	DUMINGAG	123.344139	8.125861	none	low to moderate		Barangay proper experiences seasonal flooding due to its proximity to Manlabay Creek. Flood depth reaches up to 0.5 meter.	2008	JOINT