TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE CITY OF DAPITAN, 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
Aliguay	**DAPITAN CITY**	123.2254722	8.7461667	None to low	high (coastal hazard)	Activate Barangay Disaster Coordinating Council (BDCC).	Monitor tidal level and waves during the months of intense precipitation; A buffer zone of more than 50 meters from the mean sea level should be implemented to reduce the risk of storm surge to infrastructures and even lives; Activate BDCC; Identify evacuation site;	2009	MGB-RO
Antipolo	**DAPITAN CITY**	123.3996111	8.6072500	Low	low to moderate	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	The area is on a flat lying environment; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC; Identify evacuation site during prolong precipitation; Observed for rapid increase-decrease of floodwater possibly accompanied with increase turbidity; Residents near the river banks should be informed by the BDCC	2009	MGB-RO
Aseniero	**DAPITAN CITY**	123.4878889	8.4861944	Low	none	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	No Remarks	2009	MGB-RO
Ba-ao	**DAPITAN CITY**	123.4634167	8.5354167	Low	none (barangay center); high (Flashflood and channel scouring along Poro River)	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	Observed for rapid increase-decrease of floodwater possibly accompanied with increase turbidity; Residents near the river banks should be informed by the BDCC; Regularly remove trap plant debris along the spillway;	2009	MGB-RO

Banbanan	**DAPITAN CITY**	123.4215833	8.7194444	Low	none	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	No Remarks	2009	MGB-RO
Barcelona	**DAPITAN CITY**	123.4494444	8.5313611	Low	Low (localize Flooding (floodwater is below 1m)	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	The area is on a flat lying environment; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC; Identify evacuation site during prolong precipitation;	2009	MGB-RO
Baylimango	**DAPITAN CITY**	123.4393333	8.6992778	Low	none (barangay center); High (Coastal Flooding within mangrove area)	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	Floodwater could reach to more than 1 meter during prolong rainfall coupled with high tide level; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC;	2009	MGB-RO
Burgos	**DAPITAN CITY**	123.4196111	8.5611667	Low (brgy. center)	Low (Localize Flooding)	High (NW trending ridge west of the barangay); Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC); Monitor cracks and rock fall along steep slopes giving special attention to areas where build-up communities are located.	Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC;	2009	MGB-RO
Canlucani	**DAPITAN CITY**	123.3791389	8.7112222	Low	none	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	No Remarks	2009	MGB-RO

Carang	**DAPITAN CITY**	123.4285278	8.7080000	Low	Low (brgy.center); High (mangrove area)	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	Observed for rapid increase-decrease of floodwater possibly accompanied with increase turbidity; Activate BDCC; Residents near the river banks should be informed by the BDCC; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter.	2009	MGB-RO
Dampalan	**DAPITAN CITY**	123.4945000	8.5237222	Low	none	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	No Remarks	2009	MGB-RO
Daro	**DAPITAN CITY**	123.4760000	8.6639167	Moderate	none	Observe for presence of mass movement (landslide; tension cracks; rock fall; rock slide); Activate Barangay Disaster Coordinating Council (BDCC);	No Remarks	2009	MGB-RO
Diwa-an	**DAPITAN CITY**	123.4332778	8.6011389	Moderate	none (barangay center); Low (Flashflood and channel scouring along Diwaan Creek)	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	Observed for rapid increase-decrease of floodwater possibly accompanied with increase turbidity; Residents near the river banks should be informed by the BDCC	2009	MGB-RO
Guimputlan	**DAPITAN CITY**	123.3983889	8.7253333	none (brgy. center)	none	Moderate (ridge along the southern section); Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	No Remarks	2009	MGB-RO

Hilltop	**DAPITAN CITY**	123.4383056	8.5725556	High	none	Monitor cracks, rock slide and rock fall along steep slopes giving special attention to areas where build-up communities are located; Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	No Remarks	2009	MGB-RO
Ilaya	**DAPITAN CITY**	123.4300556	8.5463056	Low	Low to moderate	High (riverbanks); Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC); Monitor progress of riverbank scouring on populated areas within the barangay;	The area is on a flat lying environment; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC; Identify evacuation site during prolong precipitation;	2009	MGB-RO
Larayan	**DAPITAN CITY**	123.3738333	8.6187778	Low	Low to moderate	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	The area lies along the southeastern fringe of a marshland drain by Sicayab River; Activate BDCC; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter.	2009	MGB-RO
Liyang	**DAPITAN CITY**	123.3665556	8.6313889	Moderate	High	Observe for presence of mass movement (landslide; tension cracks; rock fall; rock slide); Activate Barangay Disaster Coordinating Council (BDCC);	The area lies within a wetland/marshland drain by Sicayab River; Activate BDCC; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter.	2009	MGB-RO

Maria Cristina	**DAPITAN CITY**	123.4443611	8.6440833	Moderate	Low to moderate	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC; Observed for rapid increase-decrease of floodwater possibly accompanied with increase turbidity; Residents near the river banks should be informed by the BDCC	2009	MGB-RO
Maria Uray	**DAPITAN CITY**	123.4358333	8.6170833	Moderate	Low to moderate	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	The area is along an intermittent creek draining toward Poro River; Activate BDCC; Identify evacuation site during prolong precipitation; Observed for rapid increase-decrease of floodwater possibly accompanied with increase turbidity; Residents near the river banks should be informed by the BDCC	2009	MGB-RO
Masidlakon	**DAPITAN CITY**	123.4886389	8.5025556	Low	none	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	No Remarks	2009	MGB-RO
Napo	**DAPITAN CITY**	123.4831944	8.6853889	Moderate	high (coastal hazard)	High (steep slopes) Observe for presence of mass movement (landslide; tension cracks; rock fall; rock slide); Activate Barangay Disaster Coordinating Council (BDCC); Monitor for presence of mass movement (tension cracks; rock slide or rock fall); Inform residents near the foot of the steep slope; Identify evacuation site;	Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC;	2009	MGB-RO

Opao	**DAPITAN CITY**	123.4763333	8.5364444	Low	none (barangay center); High (Flashflood and channel scouring along Poro (Opao) River)	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	Activate BDCC; Observed for rapid increase-decrease of floodwater possibly accompanied with increase turbidity; Residents near the river banks should be informed by the BDCC	2009	MGB-RO
Oro	**DAPITAN CITY**	123.4588889	8.6772778	Moderate	none	Observe for presence of mass movement (landslide; tension cracks; rock fall; rock slide); Activate Barangay Disaster Coordinating Council (BDCC);	No Remarks	2009	MGB-RO
Owaon	**DAPITAN CITY**	123.3851944	8.6204167	Low	Moderate to High	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	The area is reclaimed marshland (nipaan) and within the estuary of Sulangon and Pulauan Rivers which are converted to fishponds. Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC; Identify evacuation site; Observed for rapid increase-decrease of floodwater possibly accompanied with increase turbidity; Residents near the river banks should be informed by the BDCC	2009	MGB-RO
Oyan	**DAPITAN CITY**	123.4087778	8.5861944	Moderate	Low to moderate	Observe for presence of mass movement (landslide; tension cracks; rock fall; rock slide); Activate Barangay Disaster Coordinating Council (BDCC);	The area is along an intermittent creek draining toward Poro River; Activate BDCC; Identify evacuation site during prolong precipitation; Observed for rapid increase-decrease of floodwater possibly accompanied with increase turbidity; Residents near the river banks should be informed by the BDCC	2009	MGB-RO

Polo	**DAPITAN CITY**	123.4101111	8.6339444	none	High	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	The area is reclaimed mangrove environment and within the estuary of Poro (Opao) River; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC; Identify evacuation site;	2009	MGB-RO
Potungan	**DAPITAN CITY**	123.4914167	8.5430556	Low	Low (brgy. center); high (Putongan River floodplain)	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	The area is on a flat lying environment; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC; Identify evacuation site during prolong precipitation; Observed for rapid increase-decrease of floodwater possibly accompanied with increase turbidity; Residents near the river banks should be informed by the BDCC	2009	MGB-RO
San Francisco	**DAPITAN CITY**	123.4940278	8.4493611	Low (brgy. center)	none (barangay center); High (Flashflood and channel scouring along the river)	Moderate (ridge on the SE section); Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	Observed for rapid increase-decrease of floodwater possibly accompanied with increase turbidity; Residents near the river banks should be informed by the BDCC;	2009	MGB-RO
San Nicolas	**DAPITAN CITY**	123.4594167	8.5002500	Low	none	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	No Remarks	2009	MGB-RO

San Pedro	**DAPITAN CITY**	123.3915000	8.6258056	none	Sheet flooding Seasonally high (floodwater could reach to more than 1 meter during prolong rainfall coupled with high tide level.	none	The area is reclaimed marshland (nipaan) and within the estuary of Sulangon and Pulauan Rivers which are converted to fishponds. Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC; Identify evacuation site;	2009	MGB-RO
San Vicente	**DAPITAN CITY**	123.3806389	8.6368333	Low (brgy. center)	Low to moderate (coastal area)	High (road cut); Activate BDCC; Houses constructed along and atop road cuts and steep slopes are at high risk to rock slide or topple; Come up with a plan to minimize construction of houses and other structures near the steep slopes and on top of it;	Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC;	2009	MGB-RO
Sicayab Bucana	**DAPITAN CITY**	123.3503611	8.6350278	Low	None (barangay center) High (mangrove;swamp)	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	Floodwater could reach to more than 1 meter during prolong rainfall coupled with high tide level; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter; Identify evacuation and/or relocation sites; Activate BDCC;	2009	MGB-RO
Sigayan	**DAPITAN CITY**	123.5003611	8.4555556	Low	none	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	No Remarks	2009	MGB-RO
Silinog	**DAPITAN CITY**	123.4175000	8.8526111	none	none	none	No Remarks	2009	MGB-RO

Sinonoc	**DAPITAN CITY**	123.4370556	8.6696667	Low	None (barangay center) Low (Flashflood within intermittent creek	high (ridge slope surrounding the barangay center) Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	Observed for rapid increase-decrease of floodwater possibly accompanied with increase turbidity; Residents near the river banks should be informed by the BDCC	2009	MGB-RO
Santo Niño	**DAPITAN CITY**	123.4259167	8.6817500	Moderate	Low to moderate (flashflood within creeks)	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC); Rain induced landslide is moderate, but earthquake induced landslide could trigger rock fall toward the inhabited section of the barangay; Inform residents near the foot of the steep slope; Identify evacuation site;	Observed for rapid increase-decrease of floodwater possibly accompanied with increase turbidity; Residents near the river banks should be informed by the BDCC	2009	MGB-RO
Sulangon	**DAPITAN CITY**	123.4162500	8.6139444	none	High	High (Sulangon National Highschool Steep slope); Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC); Monitor movement of landslide proximal to the school building; constant communication with the concerned school head on the status of the steep slope; reduce slope if possible (benching); divert surface run-off away from the school building;	Floodwater could reach to more than 1 meter during prolong rainfall coupled with high tide level; The area is reclaimed marshland (nipaan) and within the estuary of Sulangon and Pulauan Rivers which are converted to fishponds. Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC;	2009	MGB-RO

Tag-olo	**DAPITAN CITY**	123.3801111	8.7196944	Moderate	Low to moderate (coastal flooding)	Observe for presence of mass movement (landslide; tension cracks; rock fall; rock slide); Activate Barangay Disaster Coordinating Council (BDCC); Rain induced landslide is moderate, but earthquake induced landslide could trigger rock fall toward the inhabited section of the barangay;	Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC;	2009	MGB-RO
Taguilon	**DAPITAN CITY**	123.4015556	8.6981389	Low	none	High (road cut and steep slopes) moderate (Taguilon National Highschool; Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC); Monitor presence of landslide; houses constructed downslope of steep slopes should always be vigilant on earthquake-related landslide; Since the area is situated on top of the hill, landslide is minimal though there is a tendency for the underlying material to move downslope during earthquake; raininduced landslide is moderate; Activate school earthquake safety drill;	No Remarks	2009	MGB-RO
Kauswagan (Talisay)	**DAPITAN CITY**	123.4630000	8.6700833	Moderate	none	Observe for presence of mass movement (landslide; tension cracks; rock fall; rock slide); Activate Barangay Disaster Coordinating Council (BDCC);	No Remarks	2009	MGB-RO

Tamion	**DAPITAN CITY**	123.4148611	8.5906389	Low	None to Low	Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	Observed for rapid increasedecrease of floodwater possibly accompanied with increase turbidity; Residents near the river banks should be informed by the BDCC;	2009	MGB-RO
Bagting (Pob.)	**DAPITAN CITY**	123.4202500	8.6632222	None	Moderate to High (coastal hazard)		The area is along the mouth of Dapitan River; Activate BDCC; Identify evacuation site during prolong precipitation; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC;	2009	MGB-RO
Banonong (Pob.)	**DAPITAN CITY**	123.4241111	8.6511667	none	High		Floodwater could reach to more than 1 meter during prolong rainfall coupled with high tide level.The area is reclaimed marshland (nipaan) and within the estuary of Dapitan and Poro Rivers which are converted to fishponds. Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC;	2009	MGB-RO
Cawa-cawa (Pob.)	**DAPITAN CITY**	123.4221389	8.6644722	none	Sheet Flooding (barangay center) Seasonally high		The area is within the estuary of Dapitan River; Floodwater could reach to more than 1 meter during prolong rainfall coupled with high tide level; Activate BDCC; Identify evacuation site during prolong precipitation; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC;	2009	MGB-RO

Dawo (Pob.)	**DAPITAN CITY**	123.4120556	8.6386667	none	Sheet flooding Seasonally high (floodwater could reach to more than 1 meter during prolong rainfall coupled with high tide level.		The area is reclaimed mangrove environment and within the estuary of Poro (Opao) River; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC; Identify evacuation site;	2009	MGB-RO
Matagobtob Pob. (Talisay)	**DAPITAN CITY**	123.4185278	8.6672778	none (brgy. center)	Moderate to High	high (road cut); moderate to high (ridge surrounding Rizal Park) Monitor for presence of mass movement (landslide; tension cracks; rock fall; rock slide); Activate Barangay Disaster Coordinating Council (BDCC); Rain induced landslide is moderate, but earthquake induced landslide could trigger rock fall;	The area is within the reclaimed mangrove zone in the estuary of Dapitan River; Floodwater could reach to more than 1 meter during prolong rainfall coupled with high tide level. Activate BDCC; Identify evacuation site during prolong precipitation; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC;	2009	MGB-RO
Linabo (Pob.)	**DAPITAN CITY**	123.4254167	8.6606667	none (bgry. Center)	Low to moderate	moderate (hill); Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	The area is proximal to estuary of Dapitan River; Activate BDCC; Identify evacuation site during prolong recipitation; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC;	2009	MGB-RO

Potol (Pob.)	**DAPITAN CITY**	123.4247500	8.6552778	none (brgy. center)	High	moderate (hill); Observe for presence of mass movement (landslide; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC);	The area is within the reclaimed mangrove zone in the estuary of Dapitan River; Floodwater could reach to more than 1 meter during prolong rainfall coupled with high tide level. Activate BDCC; Identify evacuation site during prolong precipitation; Anticipate the nature of the area so make sure that future infrastructure developments are elevated to more than a meter. Activate BDCC;	2009	MGB-RO
Santa Cruz (Pob.)	**DAPITAN CITY**	123.4187500	8.6610000	none	high (coastal hazard)		A buffer zone of more than 50 meters from the mean sea level should be implemented to reduce the risk of storm surge to lives and properties; Activate BDCC;	2009	MGB-RO