

TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE CITY OF ZAMBOANGA, 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
Arena Blanco	ZAMBOANGA CITY	122.151750	6.922164	none	High (Coastal Hazard; Sheetflood)		Increase the floor level of the infrastructure/ houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood and coastal related hazard prevention; Limit/avoid construction of residential dwellings within the mouth of Tumaga Estuary ; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Ayala	ZAMBOANGA CITY	121.947000	6.964306	none	High (Barangay center); High (Coastal hazard and flashflood/sheetflood along Ayala River)		Address and/or improve storm water drainage network; Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood and coastal related hazard prevention; identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Baliwasan	ZAMBOANGA CITY	122.058750	6.916500	none	High (Barangay center); High (Coastal hazard and flashflood/sheetflood along Baliwasan River)		Address and/or improve storm water drainage network; Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC); Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood and coastal related hazard prevention; identify evacuation site.	2010	MGB-RO
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Baluno	ZAMBOANGA CITY	121.999369	6.984028	Moderate to High	none	Monitor and observe for presence of vertical displacement and cracks perpendicular to the steep slopes; Observed for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)		2010	MGB-RO
Boalan	ZAMBOANGA CITY	122.118111	6.953389	Low (barangay center); None (Elementary School)	Moderate to High (Flashflood; sheetflood; localized flood)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve storm water drainage network; Increase the floor level of the infrastructure/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood/fashflood and localized flood related hazard prevention; Limit/avoid construction of residential dwellings within the flow path of natural drainage/creek; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Bolong	ZAMBOANGA CITY	122.239408	7.099444	none	High (Coastal Hazard; Sheetflood/localized flood)		Increase the floor level of the infrastructure/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood/localized flood and coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Buenavista	ZAMBOANGA CITY	122.255861	7.240111	Low to Moderate (barangay center); None (coastal area)	none	Observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO

Bunguiao	ZAMBOANGA CITY	122.194917	7.105194	None to Low (barangay center); Moderate to High (steeply sloping ground; road cut; valley side; river channel)	Moderate to High (Flashflood/sheetflood along Bunguiao and Bolong Rivers)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Busay (Sacol Island)	ZAMBOANGA CITY	122.247278	6.987000	none	High (Coastal Hazard)		Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Cabaluay	ZAMBOANGA CITY	122.175722	6.996500	None to Low	Moderate to High (Localized flood/ sheetflood)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood/localized flood related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Cabatangan	ZAMBOANGA CITY	122.054331	6.951711	Moderate to High	none	Monitor and observe for presence of vertical displacement , and cracks perpendicular to the steep slopes; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Observed for saturated ground or seeps in areas that are not typically wet; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)		2010	MGB-RO

Cacao	ZAMBOANGA CITY	122.147111	7.029056	Moderate (barangay center); High (steep valley side)	None to Low (barangay center); High (Flashflood/sheetflood along Manicahan River)	Observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Calabasa	ZAMBOANGA CITY	122.232583	7.249556	Low (barangay center); Moderate to High (steeply sloping ground; valley side; road cut)	none	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO
Campo Islam	ZAMBOANGA CITY	122.045611	6.916278	None to Low	None to Low (barangay center); High (Coastal and Basin)	Observe for presence of mass movement; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)	Develop an early warning device/system intended for coastal/localized flooding related hazard prevention; identify evacuation/relocation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Canelar	ZAMBOANGA CITY	122.069139	6.917639	none	Moderate to High		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended sheetflood/flashflood and localized flood related hazard prevention; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Cawit	ZAMBOANGA CITY	121.971639	6.961556	Low (barangay center); Low to Moderate (gently sloping ground)	Moderate to High (Barangay center); High (Coastal hazard and flashflood/sheetflood along Cawit River)	Observe for presence of mass movement; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)	Address and/or improve storm water drainage network; Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC); Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood and coastal related hazard prevention; identify evacuation site;	2010	MGB-RO
Culianan	ZAMBOANGA CITY	122.144361	6.972861	Low	None to Low (Barangay center);High (marshland/coastal zone)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve strom water drainage network; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Curuan	ZAMBOANGA CITY	122.227056	7.205667	None to Low (barangay center); Moderate to High; (Hill; steep slopes; valley side; road cut; river channel)	Moderate to High (Flashflood/sheetflood along Curuan River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve strom water drainage network; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; identify evacuation site; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Dita	ZAMBOANGA CITY	122.233139	7.163750	Low (barangay center); None (coastal area)	None to Low (barangay center); High (coastal area)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Divisoria	ZAMBOANGA CITY	122.101694	6.947139	None to Low (barangay center); High (channel scouring along the unprotected, steep river bank of Tumaga River)	None to Low (barangay center); High (Sitio Lumiyap area)	Construct properly engineered concrete embankment; Constant monitoring and repair of other installed concrete embankment; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Identify evacuation site (for residents near river side); Activate Barangay Disaster Risk Reduction Management Council (BDRRMC);	Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; identify evacuation site; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Dulian (Upper Bunguiao)	ZAMBOANGA CITY	122.180778	7.148139	Low (barangay center); Moderate to High (steep slope;valley side; river channel; roadcut)	none	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO

Dulian (Upper Pasonanca)	ZAMBOANGA CITY	122.049194	6.981889	Moderate (barangay center) High (steep slopes/roadcut/valley side)	none	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; observed for sunken and displaced road surfaces; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)		2010	MGB-RO
Guisao	ZAMBOANGA CITY	122.150278	7.000436	Low to Moderate (barangay center); Moderate to High (steep slopes; river channel)	None (barangay center); High (Tributary of Cabaluay River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Guiwan	ZAMBOANGA CITY	122.090528	6.930111	None to Low	None to Low (Barangay center); High (Tumaga Estuary area)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
La Paz	ZAMBOANGA CITY	121.949083	6.998778	Low (barangay center);Moderate (slopes/valley side)	None (barangay center); Moderate to High (flashflood along creeks draining toward San Ramon)	Observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood related hazard prevention; identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Labuan	ZAMBOANGA CITY	121.901500	7.095250	None to Low (barangay center); Moderate to High (steeply sloping ground)	High (Coastal hazard and flashflood/sheetflood along Labuan and Lawingan Rivers)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood and coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Lamisahan	ZAMBOANGA CITY	122.171917	7.063611	Low to Moderate (barangay center); Moderate to High (steep slopes; valley side; river channel)	High (Manicahan River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Landang Gua	ZAMBOANGA CITY	122.247889	6.959778	None (barangay center); Low to Moderate (hilly area)	High (Coastal area)	Observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Landang Laum	ZAMBOANGA CITY	122.237472	6.968361	None to Low	High (Estuary of Landang River)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Lanzones	ZAMBOANGA CITY	122.139417	7.002917	Moderate (barangay center); High (river channel)	none	Observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO
Lapakan	ZAMBOANGA CITY	122.156056	7.030833	Low (barangay center); Moderate to High (steep valley side; river channel)	none	Observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO
Latuan (Curuan)	ZAMBOANGA CITY	122.204194	7.233778	Low to Moderate (barangay center); Moderate to High (steep slopes; valley side; river channel; road cut)	none	Monitor/Observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; observe for sunken or displaced road surfaces; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO

Limaong	ZAMBOANGA CITY	122.351861	7.363417	None to Low	None (barangay center); High (Logpond; coastal area)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)	Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Limpapa	ZAMBOANGA CITY	121.901667	7.142028	Low to moderate (barangay center); High (mountainous area; road cut)	High (Coastal Hazard)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Lubigan	ZAMBOANGA CITY	122.232000	7.148778	Low (barangay center); Moderate to High (steep slope; valley side; road cut)	none	Monitor/Observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO

Lumayang	ZAMBOANGA CITY	122.095333	6.989889	Moderate (barangay center); High (steep valley side/road cut)	none	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken or displaced road surfaces; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO
Lumbangan	ZAMBOANGA CITY	122.101361	6.971111	Low (barangay center); High (steep slope; road cut)	none	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO
Lunzuran	ZAMBOANGA CITY	122.089500	6.952778	Low (barangay center); Moderate to High (steep valley side; steep slopes)	None (barangay center); High (Lunzuran River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken road surfaces; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Maasin	ZAMBOANGA CITY	121.983719	6.960636	None to Low (barangay center); None to Low (Coastal area); Moderate to High (steep slope/river channel/ valley side)	High (coastal hazard and flashflood/sheetflood along Maasin River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve storm water drainage network; Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for flashflood/sheetflood and coastal related hazard prevention; Limit/avoid construction of residential dwellings within tidal flat; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Malagutay	ZAMBOANGA CITY	122.015667	6.940167	Low to moderate (barangay center); High (steep slope/valley side)	none	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO

Mampang	ZAMBOANGA CITY	122.133139	6.916667	none	Moderate to High		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheetflood/coastal related hazard prevention; identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Manalipa	ZAMBOANGA CITY	122.275972	6.898472	None to Low (barangay center); Moderate (hilly area)	High (coastal hazard)	Observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Mangusu	ZAMBOANGA CITY	122.281444	7.354611	None to Low	None to Low (barangay center); High (Estuary/coastal area)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)	Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Manicahan	ZAMBOANGA CITY	122.186750	7.024000	None to Low	Moderate to High	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)	Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheetflood/coastal related hazard prevention; identify evacuation site; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Mariki	ZAMBOANGA CITY	122.086917	6.899528	none	High (Coastal and Fluvial Hazard)		Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood and coastal related hazard prevention; Limit/avoid construction of residential dwellings within tidal flat; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Mercedes	ZAMBOANGA CITY	122.147028	6.959806	None (barangay center); High (unprotected steep riverbank of Culianan River)	Low to Moderate	Construct properly engineered concrete embankment; Constant monitoring and repair of other installed concrete embankment; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for localized flood/sheetflood/flashflood related hazard prevention; identify evacuation site; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Muti	ZAMBOANGA CITY	122.278417	7.276806	None to Low (barangay center); High (road cut; steep slope near Mount Taguite; Sitio Tuwalang)	None to Low (Barangay center); High (flashflood/sheetflood in Sitio Tuwalang/ coastal area)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheetflood/flashflood and coastal related hazard prevention; identify evacuation/relocation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Pamucutan	ZAMBOANGA CITY	121.956861	6.988361	Low to moderate (barangay center); High (steep valley side)	none	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO
Pangapuyan	ZAMBOANGA CITY	122.179583	6.919528	none	High (coastal hazard)		Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Panubigan	ZAMBOANGA CITY	122.249444	7.134583	None (barangay center); Low to Moderate (Mt. Panubigan)	High (coastal area)	Observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)	Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Pasilmanta (Sacol Island)	ZAMBOANGA CITY	122.276503	6.990250	None to Low (barangay center); Moderate (hilly area)	High (coastal hazard)	Observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Pasonanca	ZAMBOANGA CITY	122.072167	6.948250	Moderate to High (barangay center); High (Sitio Murok; steep valley side)	None (barangay center); High (Tumaga River flood plain; creeks)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC) .	Address and/or improve storm water drainage network; Develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Patalon	ZAMBOANGA CITY	121.908361	7.054028	None to Low (barangay center/coastal zone); Moderate to High (mountainous area)	High (coastal hazard)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Barangay Zone I (Pob.)	ZAMBOANGA CITY	122.070333	6.906917	none	High (Localized flood/sheetflood);		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/ to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood/localized flood related hazard prevention; Identify evacuation site; Construct properly engineered storm water drainage network ; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Barangay Zone II (Pob.)	ZAMBOANGA CITY	122.074972	6.907528	none	High (Localized flood/ sheetflood)		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/ to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood/localized flood related hazard prevention; Identify evacuation site; Construct properly engineered storm water drainage network ; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Barangay Zone III (Pop.)	ZAMBOANGA CITY	122.078528	6.909175	none	High (Localized flood/sheetflood;)		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/ to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood/localized flood related hazard prevention; Identify evacuation site; Construct properly engineered storm water drainage network ; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Barangay Zone IV (Pob.)	ZAMBOANGA CITY	122.078833	6.904889	none	High (Coastal hazard and localized flood/sheetflood)		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/ to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood/localized flood and coastal related hazard prevention; Identify evacuation site; Construct properly engineered storm water drainage network ; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Putik	ZAMBOANGA CITY	122.094611	6.942667	None to Low (barangay center); High (Putik River channel)	High (barangay center)	Construct properly engineered concrete embankment; Constant monitoring and repair of other installed concrete embankment; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheetflood/flashflood related hazard prevention; identify evacuation site; Develop an early warning device/system intended for flood related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC); Constant clearing of Putik River water way.	2010	MGB-RO
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Quiniput	ZAMBOANGA CITY	122.217806	7.184333	None to Low (barangay center); Moderate to High (steep slopes; road cut; valley side; Quiniput Peak)	High (Quiniput River floodplain)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheetflood/flashflood related hazard prevention; identify evacuation site; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Recodo	ZAMBOANGA CITY	121.963306	6.955778	none	High (Coastal Hazard)		Address and/or improve storm water drainage network; Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood and coastal related hazard prevention; Limit/avoid construction of residential dwellings within tidal flat; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Rio Hondo	ZAMBOANGA CITY	122.084972	6.900472	none	High (coastal hazard and sheetflood)		Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood and coastal related hazard prevention; Limit/avoid construction of residential dwellings within tidal flat; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Salaan	ZAMBOANGA CITY	122.118194	6.989778	Low (barangay center); High (steep valley side; road cut; Culianan River channel)	None (barangay center); High (flashflood along Culianan River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Develop an early warning device/system intended for sheetflood/flashflood related hazard prevention; identify evacuation site; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

San Jose Cawa-cawa	ZAMBOANGA CITY	122.050611	6.912194	none	High (Coastal Hazard and localized flooding)		Address and/or improve storm water drainage network; Localized flood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses/ infrastructures to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for localized flood and coastal related hazard prevention; Limit/avoid construction of residential dwellings within tidal flat; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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San Jose Gusu	ZAMBOANGA CITY	122.050611	6.921583	none	Moderate to High		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood/localized flood related hazard prevention; Limit/avoid construction of infrastructure/residential dwellings within the flow path of Baliwasan River cause this constrict the channel; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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San Roque	ZAMBOANGA CITY	122.042611	6.934083	None to Low (barangay center); Moderate to High (steeply sloping ground/river channel)	Moderate to High	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood/localized flood related hazard prevention; Limit/avoid construction of infrastructure/residential dwellings within the flow path of San Roque-Baliwasan River cause this constrict the channel; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Sangali	ZAMBOANGA CITY	122.206083	7.073889	None to Low (barangay center); Moderate to High (steep slopes; valley side)	High	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheetflood/flashflood and coastal related hazard prevention; identify evacuation/relocation site; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Santa Barbara	ZAMBOANGA CITY	122.080556	6.904556	none	High		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood/localized flood related hazard prevention; Limit/avoid construction of infrastructure/residential dwellings within the flow path of Tumaga River cause this constrict the channel; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Santa Catalina	ZAMBOANGA CITY	122.085556	6.910417	none	High		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for localized flooding and coastal related hazard prevention; identify evacuation/relocation site; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Santa Maria	ZAMBOANGA CITY	122.073333	6.932417	none	Low to moderate		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood/localized flood related hazard prevention; Limit/avoid construction of infrastructure/residential dwellings within creeks since this constrict the channel; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Santo Niño	ZAMBOANGA CITY	122.068083	6.910944	none	High (Coastal Hazard and localized flooding)		Address and/or improve storm water drainage network; Localized flood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses/ infrastructures to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for localized flood and coastal related hazard prevention; Limit/avoid construction of infrastructure/ residential dwellings within three meter buffer zone of Sta-Maria Sucabon River; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Sibulao (Curuan)	ZAMBOANGA CITY	122.240583	7.327444	Low to Moderate (barangay center); High (road cut; Vitali River channel; steep valley side)	None to Low (barangay center); Moderate to High (Floodplain of Sibulao River – Tributary of Vitali River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; observe for sunken or displaced road surfaces; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Sinubung	ZAMBOANGA CITY	121.920194	7.024917	None to Low (barangay center); Moderate to High (steeply sloping ground)	High (Coastal Hazard)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Sinunoc	ZAMBOANGA CITY	122.000117	6.936486	None to Moderate (barangay center); High (steeply sloping ground)	High (Coastal Hazard)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve storm water drainage network; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Tagasilay	ZAMBOANGA CITY	122.257250	7.303667	Low (barangay center); High (steep slopes; valley side)	none	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO

Taguiti	ZAMBOANGA CITY	122.286250	7.304444	Low (barangay center); High (Mount Taguite; road cut; steep slopes; valley side)	None (barangay center); High (coastal/ floodplain of Taguiti River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheetflood and coastal related hazard prevention; identify evacuation site; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Talabaan	ZAMBOANGA CITY	122.166389	6.953056	none	Moderate to High		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheetflood/localized flood and coastal related hazard prevention; identify evacuation site; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Talisayan	ZAMBOANGA CITY	121.928278	6.989028	None (barangay center); Low to Moderate (gentle to moderately sloping ground)	High (Coastal Hazard and sheetflood/flashflood and localized flood)	Observe for presence of vertical displacement and cracks perpendicular to the steep slopes; Observed for saturated ground or seeps in areas that are not typically wet; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition coupled with storm surge and high tide it is advisable to increase the floor level of the houses/ infrastructures to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for localized flood and coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Talon-talon	ZAMBOANGA CITY	122.110889	6.910806	none	High		Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheetflood/localized flood and coastal related hazard prevention; identify evacuation site; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Taluksangay	ZAMBOANGA CITY	122.180833	6.951917	none	High		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheetflood/coastal related hazard prevention; identify evacuation site; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Tetuan	ZAMBOANGA CITY	122.083750	6.918583	none	Moderate to High		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for flashflood/sheetflood/localized flood related hazard prevention; identify evacuation site; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Tictapul	ZAMBOANGA CITY	122.324028	7.418367	None to Low (barangay center); Moderate to High (steep slopes; valley side; road cut)	Low to Moderate (Barangay center); High (Tictapul River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for flashflood/sheetflood/localized flood related hazard prevention; identify evacuation site; Develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Tigbalabag	ZAMBOANGA CITY	122.271583	7.323250	Low-Barangay center (alluvial fan; flood plain); High (Mount Maria steep slopes; road cut)		Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO

Tigtabon	ZAMBOANGA CITY	122.164778	6.897278	none	High		Develop an early warning device/system intended for coastal related hazard prevention; identify relocation site; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Tolosa	ZAMBOANGA CITY	122.127000	7.046972	Moderate (barangay center); High (steep valley side; river channel)	none	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO

Tugbungan	ZAMBOANGA CITY	122.103028	6.920861	none	High		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for flashflood/sheetflood/localized flood related hazard prevention; identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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Tulungatung	ZAMBOANGA CITY	121.958750	6.973278	None (barangay center); Moderate to High (moderate to steeply sloping ground; Ayala River steep valley side)	Moderate to High (Barangay center); High (Flashflood and sheetflood along Ayala River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC);	Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood/localized flood related hazard prevention; Limit/avoid construction of infrastructure/residential dwellings within creeks and floodplain of Ayala River (15 meter buffer zone) Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC); Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood related	2010	MGB-RO
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Tumaga	ZAMBOANGA CITY	122.077964	6.937369	None to Low (barangay center); High (channel scouring along the unprotected, steep river bank of Tumaga River)	Low to Moderate (Barangay center); High (flashflood/sheetflood along Tumaga River)	Construct properly engineered concrete embankment; Constant monitoring and repair of other installed concrete embankment; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Develop an early warning device/system intended for sheetflood/localized flood related hazard prevention; Identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC); Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; identify evacuation site.	2010	MGB-RO
Tumalutab	ZAMBOANGA CITY	122.351528	6.984083	None to Low	High (coastal hazard)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)	Develop an early warning device/system intended for coastal related hazard prevention; identify evacuation/relocation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Tumitus	ZAMBOANGA CITY	122.334222	7.399917	None to Low	High (coastal; estuary)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)	Develop an early warning device/system intended for coastal related hazard prevention; identify evacuation/relocation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Vitali	ZAMBOANGA CITY	122.288694	7.378028	None to Low (Barangay Center); Moderate to High (Steep slopes; valley side; road cut)	High (Floodplain of Mialim and Vitali Rivers)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheetflood/flashflood/localized flood and coastal related hazard prevention; identify evacuation/relocation site; Avoid constructing houses/infrastructures within the creek channel and flood plain; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Capisan	ZAMBOANGA CITY	122.033097	6.973986	Moderate (barangay center); High (road cuts/steep valley side)	none	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Observe for saturated ground or seeps in areas that are not typically wet; observed for sunken and displaced road surfaces; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)		2010	MGB-RO
Camino Nuevo	ZAMBOANGA CITY	122.071833	6.914722	none	Moderate to High (Barangay center); High (flashflood along Tumaga River/ localized flooding)		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); develop an early warning device/system intended for flashflood/sheetflood and localized flood related hazard prevention; identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Licomo	ZAMBOANGA CITY	122.328639	7.456528	None to Low	None (barangay center); High (coastal/marshland)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)	Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheetflood/coastal related hazard prevention; identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
Kasanyangan	ZAMBOANGA CITY	122.089944	6.907306	none	Moderate to High		Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for flashflood/sheetflood related hazard prevention; identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Upper Calarian	ZAMBOANGA CITY	122.028417	6.925361	Low	None (Barangay center); High (Coastal Hazard)	Observed for presence of mass movement; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)	Address and/or improve storm water drainage network; Develop an early warning device/system intended for coastal related hazard prevention; Identify evacuation site;		
Pasobolong	ZAMBOANGA CITY	122.128667	6.970472	Low (barangay center)	none (barangay center)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).		2010	MGB-RO
Victoria	ZAMBOANGA CITY	122.189500	7.045306	None to Low	High (coastal/marshland)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC)	Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheetflood/localized flood and coastal related hazard prevention; identify evacuation site; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO

Zambowood	ZAMBOANGA CITY	122.131417	6.942472	None to Low	None to Low (barangay center); Moderate to high (Tumaga Estuary)	Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	Address and/or improve storm water drainage network; Due to erratic and intense rainfall condition attributed to climate change it is advisable to increase the floor level of the infrastructures/houses to more than 1 meter high from the original ground to lessen if not mitigate the effect of flooding; develop an early warning device/system intended for sheet flood/ localized flood and coastal related hazard prevention; identify evacuation/relocation site; Avoid constructing houses/infrastructures within the Tumaga Estuary; Activate Barangay Disaster Risk Reduction Management Council (BDRRMC).	2010	MGB-RO
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