

TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF TUKURAI, 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
Alindahaw	TUKURAN	123.560264	7.851843	none	moderate (flashflood/sheetflood within Bayao River tributary); high (storm surge; coastal flooding; tsunami-coastal area)		Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Address and/or improve storm 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 and coastal related hazard prevention; Limit/avoid construction of residential dwellings within the low lying coastal zone; identify evacuation site; Activate Barangay Disaster Coordinating Council (BDCC).	2006	MGB-RO

Baclay	TUKURAN	123.611833	7.891583	High (steep ridge slopes; gullies; valley sides; road cuts)	moderate (flashflood within Baclay 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 and/or relocation site; Activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity (soil content); Develop an early warning device/system intended for flashflood/sheetflood related hazard mitigation/prevention.	2006	MGB-RO
Balimbingan	TUKURAN	123.589306	7.912194	moderate to high	none (brgy.center); moderate (flashflood/sheetflood within Tukuran 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 and/or relocation site; Activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity (soil content); Develop an early warning device/system intended for flashflood/sheetflood related hazard mitigation/prevention.	2006	MGB-RO

Buenasuerte	TUKURAN	123.447621	7.959015	low to moderate (brgy. proper; gentle slopes); high (steep hill slopes; road cuts)	none (brgy. proper); low (flashflood within creeks/gullies)	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 Coordinating Council (BDCC).	Address and/or improve storm water drainage network;	2006	MGB-RO
Camanga	TUKURAN	123.565372	7.876313	low to moderate (sloping ground); high (creek channels)	moderate to high (flashflood within creek)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Address channel erosion/scouring); Activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity (soil content); Develop an early warning device/system intended for flashflood/sheetflood related hazard mitigation/prevention;Address and/or improve storm water drainage network; Identify evacuation and/or relocation site; Activate BDCC	2006	MGB-RO

Curvada	TUKURAN	123.586270	7.867780	none	high (flashflood/sheetflood within Tukuran River and its floodplain)		Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity (soil content); Develop an early warning device/system intended for flashflood/sheetflood related hazard mitigation/prevention;Address and/or improve storm water drainage network; Identify evacuation and/or relocation site; Activate BDCC	2006	MGB-RO
Laperian	TUKURAN	123.435167	7.969167	low to moderate	none	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Address channel erosion/scouring); Activate Barangay Disaster Coordinating Council (BDCC).		2006	MGB-RO
Libertad	TUKURAN	123.598139	7.859861	High (steep ridge slopes; gullies; valley sides;road cuts)	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; Identify evacuation and/or relocation site; Activate Barangay Disaster Coordinating Council (BDCC).		2006	MGB-RO

Lower Bayao	TUKURAN	123.547302	7.849007	none	high (flashflood/sheetflood within Bayao River tributary); seasonally high (storm surge; coastal flooding; tsunami-coastal area)		Barangay proper is situated within the sand bar of Bayao River along Pagadian Bay; Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area;Address and/or improve storm water drainage network; Develop an early warning device/system intended for flashflood/sheetflood and coastal related hazard prevention; Observe of rapid increase of floodwater/sea level; Limit/avoid construction of residential dwellings within the area; Identify relocation site; Activate BDCC.	2006	MGB-RO
Luy-a	TUKURAN	123.532932	7.890064	none to low (brgy. proper;alluvial fan; gentle hill); moderate to high (steep ridge slopes;gully sides; riverbanks)	none to low (localize flooding on gentle elevated slopes); low to moderate (flashflood/sheetflood within Bayao River floodplain)	Observe for and/or monitor for presence/progress of mass movement (soil creep; tension cracks; riverbank scouring); Identify evacuation/relocation site; Activate Barangay Disaster Coordinating Council (BDCC);	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater possible accompanied by increase turbidity and soil content; Activate Barangay Disaster Coordinating Council (BDCC)	2006	MGB-RO

Manilan	TUKURAN	123.549639	7.912750	moderate to high	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; Identify evacuation and/or relocation site; Activate Barangay Disaster Coordinating Council (BDCC).		2006	MGB-RO
Manyalag	TUKURAN	123.526861	7.940639	High (steep ridge slopes; gullies; valley sides; road cuts)	none (top ridge); low to moderate (creeks; gullies)	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 and/or relocation site; Activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater level possible accompanied by increase turbidity (soil content); Develop an early warning device/system intended for flashflood hazard prevention/mitigation; Activate BDCC.	2006	MGB-RO

Militar	TUKURAN	123.585731	7.841637	None (coastal plain); High (steep slopes; valley/gully sides)	high (flashflood/sheetflood within Tukuran River); high (storm surge; tsunami-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; Identify evacuation and/or relocation site; Activate Barangay Disaster Coordinating Council (BDCC).	Barangay proper is situated within the mouth of Tukuran River along Pagadian Bay; Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Address and/or improve storm water drainage network; Develop an early warning device/system intended for flashflood/sheetflood and coastal related hazard prevention; Observe of rapid increase of floodwater/sea level; Limit/avoid construction of residential dwellings within the low lying coastal zone; Identify evacuation and/or relocation site; Activate BDCC.	2006	MGB-RO
Navalan	TUKURAN	123.493111	7.943000	low to moderate (brgy. center;valley floor; floodplain; top ridge); high (steep ridge slopes and valley sides)	moderate (flashflood within creeks; gullies)	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 and/or relocation site; Activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater level possible accompanied by increase turbidity (soil content); Develop an early warning device/system intended for flashflood hazard prevention/mitigation; Activate BDCC.	2006	MGB-RO

Panduma Senior	TUKURAN	123.570866	7.852194	none	moderate (flashflood/sheetflood within Bayao River tributary); high (storm surge; coastal flooding; tsunami-coastal area)		Barangay proper is situated within the floodplain of Tukuran River and Bayao River tributary along Pagadian Bay; Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Address and/or improve storm water drainage network; Develop an early warning device/system intended for flashflood/sheetflood and coastal related hazard prevention; Observe of rapid increase of floodwater/sea level; Limit/avoid construction of residential dwellings within the low lying coastal zone; Identify evacuation and/or relocation site; Activate BDCC.	2006	MGB-RO
Sambulawan	TUKURAN	123.476472	7.943583	low (brgy. center) moderate to high (steep ridge slopes and valley sides)	none to low (localize flooding)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network.	2006	MGB-RO

San Antonio	TUKURAN	123.627333	7.865806	moderate to high	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; Identify evacuation and/or relocation site; Activate Barangay Disaster Coordinating Council (BDCC).		2006	MGB-RO
San Carlos (Pob.)	TUKURAN	123.573659	7.851476	none	moderate (flashflood/sheetflood within Bayao River tributary); high (storm surge; tsunami-coastal area)		Barangay proper is situated within the floodplain of Tukuran River and Bayao River tributary along Pagadian Bay; Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Address and/or improve storm water drainage network; Develop an early warning device/system intended for flashflood/sheetflood and coastal related hazard prevention; Observe of rapid increase of floodwater/sea level; Limit/avoid construction of residential dwellings within the low lying coastal zone; Identify evacuation and/or relocation site; Activate BDCC.	2006	MGB-RO

Santo Niño (Pob.)	TUKURAN	123.578236	7.848992	none	high (flashflood/sheetflood within Tukuran River); high (storm surge; tsunami-coastal area)		Barangay proper is situated within the floodplain of Tukuran River along Pagadian Bay; Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Address and/or improve storm water drainage network; Develop an early warning device/system intended for flashflood/sheetflood and coastal related hazard prevention; Observe of rapid increase of floodwater/sea level; Limit/avoid construction of residential dwellings within the low lying coastal zone; Identify evacuation and/or relocation site; Activate BDCC.	2006	MGB-RO
Santo Rosario	TUKURAN	123.573722	7.907194	moderate	low (creeks;gullies)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network.	2006	MGB-RO
Sugo	TUKURAN	123.612908	7.840897	none to low (brgy. center); high (road cuts; steep ridge slopes)	low (localize flooding-bgry. Center); high (storm surge; coastal flooding; tsunami-coastal area)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Develop an early warning device/system intended for localize flooding and coastal related hazard prevention; Observe of rapid increase of floodwater/sea level; Limit/avoid construction of residential dwellings within the low lying coastal zone; Identify evacuation and/or relocation site; Activate BDCC.	2006	MGB-RO

Tabuan	TUKURAN	123.555667	7.886861	low to moderate	none to low brgy. center; ricepaddies); moderate (flashflood within creek)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity (soil content); Develop an early warning device/system intended for flashflood/sheetflood related hazard mitigation/prevention;Address and/or improve storm water drainage network; Identify evacuation and/or relocation site; Activate BDCC	2006	MGB-RO
Tagulo	TUKURAN	123.624245	7.833081	none (floodplain/coastal plain-brgy. center); high (riverbank; steep ridge slopes); low (gentle alluvial fan	high (flashflood/sheetflood within Militar Creek); high (storm surge; tsunami-coastal area)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Activate Barangay Disaster Coordinating Council (BDCC).	Sheetflood coupled with storm surge (coastal flooding) increase the flood susceptibility of the area; Address and/or improve storm 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 and coastal related hazard prevention; identify evacuation/relocation site; Limit/avoid construction of residential dwellings within the low lying coastal zone;Activate Barangay Disaster Coordinating Council (BDCC).	2006	MGB-RO

Tinotungan	TUKURAN	123.590528	7.877889	None (valley floor/floodplain of Tukuran River-brgy center); High (steep ridge slopes; gullies; valley sides; road cuts; riverbank)	moderate to high (flashflood/sheetflood within Tukuran River and its 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; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Address riverbank scouring; Identify evacuation and/or relocation site; Activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity (soil content); Develop an early warning device/system intended for flashflood/sheetflood related hazard mitigation/prevention; Address and/or improve storm water drainage network; Identify evacuation and/or relocation site; Activate BDCC	2006	MGB-RO
Upper Bayao	TUKURAN	123.548201	7.871378	low to moderate	none to low brgy. center; ricepaddies; moderate (flashflood within creeks)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity (soil content); Develop an early warning device/system intended for flashflood/sheetflood related hazard mitigation/prevention; Address and/or improve storm water drainage network; Identify evacuation and/or relocation site; Activate BDCC	2006	MGB-RO