

TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF DINAS, 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
Bacawan	DINAS	123.305366	7.605767	low to moderate	low to moderate (flashflood along gullies/creeks)	Observe for and/or monitor for presence/progress of mass movement (soil creep); Activate Barangay Disaster Coordinating Council (BDCC)	Address and/or improve storm water drainage network; Observe for rapid increase in floodwater.	2008	JOINT
Benuatan	DINAS	123.342951	7.612525	none to low (floodplain;swamp;marshland; brgy. proper); high (Dinas Riverbank)	moderate to high (flashflood/sheetflooding of Dinas River)	Observe for and/or monitor for presence/progress of mass movement (riverbank scouring; tension cracks) along unprotected riverbank; Address unprotected riverbank by constructing concrete embankment; Activate Barangay Disaster Coordinating Council (BDCC)	Observe for increase/decrease in floodwater level, possibly accompanied by increase turbidity (soil content); Address and/or improve storm water drainage network; Develop early warning signage/signal for flood (flashflood/sheetflood) related hazard; Identify evacuation and/or relocation site for settlers within the low lying floodplain zone and near the unprotected riverbank; Activate BDCC	2008	JOINT
Beray	DINAS	123.279108	7.633605	moderate (moderately sloping ground); High (steep hill slope; gully sides)	low (flashflood within gullies/creeks)	Observe for and/or monitor for presence/progress of mass movement (soil creep; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC)	Address and/or improve storm water drainage network; Observe for rapid increase in floodwater.	2008	JOINT

Nian	DINAS	123.392589	7.640766	low to moderate (gentle to moderately sloping ground; high (steep ridge slopes and gully/valley sides)	low to moderate (flashflood along creeks)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes, valley sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for increase of floodwater level.	2008	JOINT
Guinicolalay	DINAS	123.379662	7.651735	low to moderate (gentle to moderately sloping ground; high (steep ridge slopes and gully/valley sides)	low to moderate (flashflood along creeks)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes, valley sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
Kinacap	DINAS	123.286003	7.616734	low (brgy. center); moderate to high (steep slopes/gully sides of Mt. Bacauan)	low to moderate (flashflood along creeks)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes/gully sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
Legarda 2	DINAS	123.291699	7.650784	low (gentle slopes;brgy proper); moderate to high (steep gullies/creek channels)	low to moderate (flashflood within gullies/creeks channels)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes, gully sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT

Legarda 3	DINAS	123.305008	7.661590	low (gentle slopes;brgy proper); moderate to high (steep gullies/creek channels)	low to moderate (flashflood within gullies/creeks channels)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes, gully sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
Legarda 1	DINAS	123.303750	7.635245	low (gentle slopes;brgy proper); moderate to high (steep gullies/creek channels)	low to moderate (flashflood within gullies/creeks channels)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes, gully sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
Lucoban	DINAS	123.335116	7.556604	none to low	high	Observe for presence of mass movement (soil creep); Activate Barangay Disaster Coordinating Council (BDCC);	Coastal related hazard such as storm surge; coastal flooding/inundation; tsunami); Observe for sea swell attributed to storm surge, heavy downpour, and to some extent, tsunami; Develop early warning system/signal for coastal related hazard; Identify evacuation and/or relocation site; Activated BDCC.	2008	JOINT
Lower Dimaya	DINAS	123.323169	7.616038	low (gentle slopes;brgy proper); moderate to high (steep gullies/creek channels)	low to moderate (flashflood within gullies/creeks channels)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes, gully sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT

Ludiong	DINAS	123.303030	7.576108	low to moderate (gentle to moderate slopes; brgy. center); high (steep gully/valley sides along Sibol River, north of the brgy. center)	none to low (localize flooding within gentle slopes) moderate (flashflood along Sibol River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes, valley sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
East Migpulao	DINAS	123.353742	7.630017	none to low (floodplain;swamp;marshland; brgy. proper); high (Dinas Riverbank)	moderate to high (flashflood/sheetflooding of Dinas River)	Observe for and/or monitor for presence/progress of mass movement (riverbank scouring; tension cracks) along unprotected riverbank; Address unprotected riverbank by constructing concrete embankment; Activate Barangay Disaster Coordinating Council (BDCC)	Observe for increase/decrease in floodwater level, possibly accompanied by increase turbidity (soil content); Address and/or improve storm water drainage network; Develop early warning signage/signal for flood (flashflood/sheetflood) related hazard; Identify evacuation and/or relocation site for settlers within the low lying floodplain zone and near the unprotected riverbank; Activate BDCC	2008	JOINT
West Migpulao	DINAS	123.336829	7.639602	low (gentle slopes;brgy proper); moderate to high (steep gullies/creek channels)	low to moderate (flashflood within gullies/creeks channels)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes, gully sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT

Nangka	DINAS	123.318014	7.623794	low (gentle slopes;brgy proper); moderate to high (steep gullies/creek channels)	low to moderate (flashflood within gullies/creeks channels)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes, gully sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
Ignacio Garrata (New Mirapao)	DINAS	123.320475	7.669701	low (gentle slopes;brgy proper); moderate to high (steep gullies/creek channels)	low to moderate (flashflood within gullies/creeks channels)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes, gully sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
Old Mirapao	DINAS	123.345051	7.655310	low (gentle slopes;brgy proper); moderate to high (steep gullies/creek channels)	low to moderate (flashflood within gullies/creeks channels)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes, gully sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
Poblacion	DINAS	123.338681	7.615344	low	low (municipal proper); high (low lying floodplain of Dinas River)	Observe for presence of mass movement (soil creep); River scouring along the meandering section of Dinas River should be address by constructing embankment protection measures along the unprotected channels; Activate Barangay Disaster Coordinating Council (BDCC);	Observe for increase/decrease in floodwater level, possibly accompanied by increase turbidity (soil content); Address and/or improve storm water drainage network; Develop early warning signage/signal for flood (flashflood/sheetflood) related hazard; Identify evacuation and/or relocation site for settlers within the low lying floodplain zone and near the unprotected riverbank; Activate BDCC	2008	JOINT

Proper Dimaya	DINAS	123.325747	7.593399	none to low (brgy. center; swamp/marshland; floodplain) moderate (creek channels)	moderate to high (swamp/marshland; floodplain zone of Sibol River)	Observe for presence of mass movement (soil creep); Activate Barangay Disaster Coordinating Council (BDCC);	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
Sagacad	DINAS	123.340252	7.696476	low (brgy. proper); moderate (moderately sloping ground); High (steep hill slope; gully sides)	low to moderate (flashflood within gullies/creeks)	Observe for and/or monitor for presence/progress of mass movement (soil creep; tension cracks); Activate Barangay Disaster Coordinating Council (BDCC)	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
Sambulawan	DINAS	123.333438	7.565968	none to low	moderate to high	Observe for presence of mass movement (soil creep); Activate Barangay Disaster Coordinating Council (BDCC);	Coastal related hazard such as storm surge; coastal flooding/inundation; tsunami); Observe for sea swell attributed to storm surge, heavy downpour, and to some extent, tsunami; Develop early warning system/signal for coastal related hazard; Identify evacuation and/or relocation site; Activated BDCC.	2008	JOINT

San Isidro	DINAS	123.280312	7.589326	low to moderate (gentle to moderate slopes; brgy. center); high (steep gully/valley sides along Sibol River, north of the brgy. center)	none to low (localize flooding within gentle slopes) moderate (flashflood along Sibol River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes, valley sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
Sumpotan	DINAS	123.299582	7.594985	low to moderate (gentle to moderate slopes; brgy. center); high (steep gully/valley sides along Sibol River, north of the brgy. center)	none to low (localize flooding within gentle slopes) moderate (flashflood along Sibol River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes, valley sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
Songayan	DINAS	123.349443	7.580807	none to low	moderate to high	Observe for presence of mass movement (soil creep); Activate Barangay Disaster Coordinating Council (BDCC);	Coastal related hazard such as storm surge; coastal flooding/inundation; tsunami); Observe for sea swell attributed to storm surge, heavy downpour, and to some extent, tsunami; Develop early warning system/signal for coastal related hazard; Identify evacuation and/or relocation site; Activated BDCC.	2008	JOINT

Tarakan	DINAS	123.413886	7.620121	none to low	high (coastal zone)	Observe for presence of mass movement (soil creep); Activate Barangay Disaster Coordinating Council (BDCC);	Coastal related hazard such as storm surge; coastal flooding/inundation; tsunami); Observe for sea swell attributed to storm surge, heavy downpour, and to some extent, tsunami; Develop early warning system/signal for coastal related hazard; Identify evacuation and/or relocation site; Activated BDCC.	2008	JOINT
Upper Dimaya	DINAS	123.298532	7.614989	low (gentle top ridge); moderate to high (steep slopes/gully sides of Mt. Bacauan)	low to moderate (flashflood along creeks)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes/gully sides; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
Upper Sibul	DINAS	123.273926	7.602924	low (brgy. center); moderate to high (steep slopes of Mt. Buga)	low to moderate (flashflood along creeks)	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; Observe for rapid increase/decrease of floodwater level possibly accompanied by increase turbidity and soil content.	2008	JOINT
Pisa-an	DINAS	123.373658	7.574764	none to low	high (coastal zone)	Observe for presence of mass movement (soil creep); Activate Barangay Disaster Coordinating Council (BDCC);	Coastal related hazard such as storm surge; coastal flooding/inundation; tsunami); Observe for rapid increase in floodwater and sea swell attributed to storm surge, heavy downpour, and to some extent, tsunami; Develop early warning system/signal for coastal/flood related hazard; Identify evacuation and/or relocation site; Activated BDCC.	2008	JOINT

Dongos	DINAS	123.356982	7.665573	moderate (top ridge; brgy. proper); high (riverbanks; gullies)	none (top ridge; brgy. proper); moderate to high (flashflood/sheetflood within major and minor tributaries of Dinas River)	Monitor/observe for presence of vertical displacement, and cracks perpendicular to the steep slopes; Activate Barangay Disaster Coordinating Council (BDCC).	Observe for increase/decrease in floodwater level, possibly accompanied by increase turbidity (soil content); Address and/or improve storm water drainage network; Develop early warning signage/signal for flood (flashflood/sheetflood) related hazard; Activate BDCC		
Don Jose	DINAS	123.335758	7.619425	Low (brgy. proper); high (Dinas Riverbank)	none to low (localize flooding and minor flashflood along creeks within the brgy. proper); high (flashflood/sheetflood within low lying floodplain near Dinas River)	Observe for presence of mass movement (soil creep); River scouring along the meandering section of Dinas River should be address by constructing embankment protection measures along the unprotected channels; Activate Barangay Disaster Coordinating Council (BDCC);	Observe for increase/decrease in floodwater level, possibly accompanied by increase turbidity (soil content); Address and/or improve storm water drainage network; Develop early warning signage/signal for flood (flashflood/sheetflood) related hazard; Identify evacuation and/or relocation site for settlers within the low lying floodplain zone and near the unprotected riverbank; Activate BDCC	2008	JOINT