

**TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF KABASALAN ZAMBOANGA SIBUGAY**

<b>BRGY</b>	<b>MUNICIPALITY</b>	<b>LONGITUDE</b>	<b>LATITUDE</b>	<b>LANDSLIDE SUSCEPTIBILITY RATING</b>	<b>FLOOD SUSCEPTIBILITY RATING</b>	<b>Landslide remarks and recommendations</b>	<b>Flood remarks and recommendation/s.</b>	<b>As of</b>	<b>Assessed by/Data Source</b>
Buayan	<b>KABASALAN</b>	122.799972	7.780611	none to low (brgy. center; alluvial plain); moderate to high (ridge slopes; valley sides; riverbank scouring)	low to moderate (flashflood/sheetflood along Buayan River); localize flooding (alluvial plain; ricefield)	Monitor and observe for progress and presence of mass movement along the steep slopes ;Address riverbank scouring; Observe for displace ground surfaces or seeps in areas that are not typically wet; Identify evacuation and/or relocation site; activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers along the affected floodplain; Elevate the infrastructure projects to more than 1 meter; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO

Cainglet	<b>KABASALAN</b>	122.759167	7.795306	none	low to moderate (sheetflood/localize flooding within the brgy. center); high (Kabasalan River estuary; marshland)	Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers along the affected floodplain; Elevate the infrastructure projects to more than 1 meter; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO
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Calapan	<b>KABASALAN</b>	122.809639	7.772750	none to low (brgy. center floodplain); moderate to high (riverbank scouring; steep valley side; ridge slopes)	low to moderate (sheetflood/localize flooding within the brgy. center); high (coastal flooding within the marshland/ mangrove arer)	Monitor and observe for progress and presence of mass movement along the steep slopes ;Address riverbank scouring; Observe for displace ground surfaces or seeps in areas that are not typically wet; Identify evacuation and/or relocation site; activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the low lying flood prone areas; Elevate the infrastructure projects to more than 1 meter; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO
Concepcion (Balungis)	<b>KABASALAN</b>	122.795611	7.776806	none to low (brgy. center high (riverbank scouring)	moderate to high (floodplain of Buayan River)	Address riverbank scouring; Activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the shallow river channels and floodplain near the river; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO

Canacan	<b>KABASALAN</b>	122.741972	7.805528	none to low (brgy. center); high (riverbank scouring)	seasonally high (flashflood and sheetflood of Kabasalan River)	Observe for progress and presence of mass movement ;Address riverbank scouring; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the low lying flood prone areas; Elevate the infrastructure projects to more than 1 meter; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO
Diampak	<b>KABASALAN</b>	122.794833	7.921778	high	seasonally moderate to high (flashflood of Bakalan River tributary)	Monitor and observe for progress and presence of mass movement (tension cracks, soil creep) along the steep slopes ; Observe for displace ground surfaces or seeps in areas that are not typically wet; Observe for sunken road surfaces; Identify evacuation and/or relocation site; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the low lying flood prone areas; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO

Dipala	<b>KABASALAN</b>	122.792528	7.791389	none to low (brgy. center) moderate to high (riverbank scouring; valley sides; steep slopes)	low to moderate (creek); high (marshland/mangrove areas within Kabasalan River Estuary)	Monitor and observe for progress and presence of mass movement along the steep slopes ;Address riverbank scouring; Observe for displace ground surfaces or seeps in areas that are not typically wet; Identify evacuation and/or relocation site; activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the low lying flood prone areas; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO
Gacbusan	<b>KABASALAN</b>	122.734694	7.823583	low (brgy. center) moderate to high (steep ridge slopes and valley sides)	none to low	Monitor and observe for progress and presence of mass movement along the steep slopes; Observe for displace ground surfaces or seeps in areas that are not typically wet; Identify evacuation and/or relocation site; activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network;	2006	MGB-RO

Goodyear	<b>KABASALAN</b>	122.767583	7.802944	none to low	low to moderate (brgy. center) high (Kabasalan River floodplain)	Observe for progress and presence of mass movement along the steep slopes ; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the low lying flood prone areas toward Kabasalan River; Elevate the infrastructure projects to more than 1 meter; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO
Lacnapan	<b>KABASALAN</b>	122.870194	7.840667	high (steep ridge slopes, valley sides; road cuts)	high (flashflood along creeks)	Monitor and observe for progress and presence of mass movement (tension cracks, soil creep) along the steep slopes ; Observe for displace ground surfaces or seeps in areas that are not typically wet; Observe for sunken road surfaces; Identify evacuation and/or relocation site; Develop an early warning system intended for landslide related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the low lying creek channels; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO

Little Baguio	<b>KABASALAN</b>	122.802111	7.820417	high (steep ridge slopes, valley sides; road cuts)	low to moderate (flashflood along gully channels)	Monitor and observe for progress and presence of mass movement (tension cracks, soil creep) along the steep slopes ; Observe for displace ground surfaces or seeps in areas that are not typically wet; Observe for sunken road surfaces; Identify evacuation and/or relocation site; Develop an early warning system intended for landslide related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the gully floors; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO
Lumbayao	<b>KABASALAN</b>	122.767389	7.796333	none to low (brgy. center); high (riverbank scouring)	low to moderate (brgy. center)	Observe for progress and presence of mass movement ;Address riverbank scouring; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the low lying flood prone areas; Elevate the infrastructure projects to more than 1 meter; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO

Nazareth	<b>KABASALAN</b>	122.817000	7.762528	none to low (brgy. center) moderate to high (riverbank scouring; valley sides; steep slopes)	low to moderate (floodplain); high (marshland/mangrove area)	Monitor and observe for progress and presence of mass movement (tension cracks, soil creep) along the steep slopes ; Observe for displace ground surfaces or seeps in areas that are not typically wet; Observe for sunken road surfaces; Identify evacuation and/or relocation site; Develop an early warning system intended for landslide related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the low lying flood prone areas; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO
Palinta	<b>KABASALAN</b>	122.830528	7.814917	none to low (brgy. center; valley floor); moderate to high (steep valley sides; road cuts; steep ridge slopes)	low to moderate (brgy. center) moderate to high (flashflood within river channels)	Monitor and observe for progress and presence of mass movement (tension cracks, soil creep) along the steep slopes ; Observe for displace ground surfaces or seeps in areas that are not typically wet; Observe for sunken road surfaces; Identify evacuation and/or relocation site; Develop an early warning system intended for landslide related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the low lying flood prone areas; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO



Peñaranda	<b>KABASALAN</b>	122.843278	7.842278	high (steep ridge slopes, valley sides; road cuts)	low to moderate (flashflood along gully channels)	Monitor and observe for progress and presence of mass movement (tension cracks, soil creep) along the steep slopes ; Observe for displace ground surfaces or seeps in areas that are not typically wet; Observe for sunken road surfaces; Identify evacuation and/or relocation site; Develop an early warning system intended for landslide related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the gully floors; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO
Poblacion	<b>KABASALAN</b>	122.758778	7.800111	none to low	low to moderate (brgy. center) high (Kabasalan River floodplain)	Observe for progress and presence of mass movement along the steep slopes ; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the low lying flood prone areas toward Kabasalan River; Elevate the infrastructure projects to more than 1 meter; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO

Riverside	<b>KABASALAN</b>	122.753944	7.799861	none to low (brgy. center); high (riverbank scouring)	moderate to high (flashflood and sheetflood of Kabasalan River)	Address riverbank scouring; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the low lying flood prone areas; Elevate the infrastructure projects to more than 1 meter; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO
Sanghanan	<b>KABASALAN</b>	122.782778	7.826750	none to low (floodplain; gentle hill) high (steep slopes east of the brgy. center)	low to moderate (flashflood/sheetflood along creek)	Monitor and observe for progress and presence of mass movement (tension cracks, soil creep) along the steep slopes ; Observe for displace ground surfaces or seeps in areas that are not typically wet; Observe for sunken road surfaces; Identify evacuation and/or relocation site; Develop an early warning system intended for landslide related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the low lying flood prone areas; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO

Santa Cruz	<b>KABASALAN</b>	122.760250	7.794250	none	low to moderate (sheetflood/localize flooding within the brgy. center); high (Kabasalan River estuary; marshland)	Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers along the affected floodplain; Elevate the infrastructure projects to more than 1 meter; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO
Sayao	<b>KABASALAN</b>	122.835278	7.791444	high (steep slopes; valley sides; road cuts)	high (flashflood within river channels)	Monitor and observe for progress and presence of mass movement (tension cracks, soil creep) along the steep slopes ; Observe for displace ground surfaces or seeps in areas that are not typically wet; Observe for sunken road surfaces; Identify evacuation and/or relocation site; Develop an early warning system intended for landslide related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO

Shiolan	<b>KABASALAN</b>	122.831745	7.915804	high (steep ridge slopes, valley sides; road cuts)	none (brgy. center); moderate (flashflood along creek)	Monitor and observe for progress and presence of mass movement (tension cracks, soil creep) along the steep slopes ; Observe for displace ground surfaces or seeps in areas that are not typically wet; Observe for sunken road surfaces; Identify evacuation and/or relocation site; Develop an early warning system intended for landslide related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content.	2006	MGB-RO
Simbol	<b>KABASALAN</b>	122.732167	7.811083	none to low (brgy. center) high (riverbank scouring)	none to low (brgy. center); high (creeks;Banco River floodplain; marshland)	Observe for progress and presence of mass movement along the steep slopes ; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers along the affected floodplain; Constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO

Sininan	<b>KABASALAN</b>	122.759389	7.824806	none (floodplain); low (brgy. center) moderate to high (steep ridge slopes and valley sides; riverbank)	high (floodplain Kabasalan River)	Monitor and observe for progress and presence of mass movement (tension cracks, soil creep) along the steep slopes ; Observe for displace ground surfaces or seeps in areas that are not typically wet; Identify evacuation and/or relocation site; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers along the affected floodplain; Constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO
Tamin	<b>KABASALAN</b>	122.805222	7.805833	low (brgy. center) moderate to high (steep ridge slopes and valley sides)	low to moderate (flashflood along gully channels)	Monitor and observe for progress and presence of mass movement (tension cracks, soil creep) along the steep slopes ; Observe for displace ground surfaces or seeps in areas that are not typically wet; Identify evacuation and/or relocation site; Develop an early warning system intended for landslide related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the gully floors; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO

Tampilan	<b>KABASALAN</b>	122.777611	7.889472	low (brgy. center); moderate to high (steep valley sides; ridge slopes; riverbank)	high (flashflood within Bakalan River tributary)	Monitor and observe for progress and presence of mass movement (tension cracks, soil creep) along the steep slopes ; Observe for displace ground surfaces or seeps in areas that are not typically wet; Identify evacuation and/or relocation site; Develop an early warning system intended for landslide related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the shallow river channels; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO
Tigbangagan	<b>KABASALAN</b>	122.817750	7.798472	none to low (brgy. center); high (riverbank scouring) moderate to high (steep slopes)	moderate to high (floodplain of Buayan River)	Monitor and observe for progress and presence of mass movement (tension cracks, soil creep) along the steep slopes ; Observe for displace ground surfaces or seeps in areas that are not typically wet; Identify evacuation and/or relocation site; Develop an early warning system intended for landslide related hazard prevention; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers within the shallow river channels and floodplain near the river; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO

F.L. Pena	<b>KABASALAN</b>	122.756500	7.802500	none (brgy. center); high (riverbank scouring along Kabasalan River)	moderate (sheetflood/flashflood the brgy. center); high (Kabasalan River floodplain; marshland)	Address riverbank scouring (lateral erosion by constructing concrete embankment; Activate Barangay Disaster Coordinating Council (BDCC).	Address and/or improve storm water drainage network; observe for rapid increase/decrease in floodwater possibly accompanied by increase turbidity and soil content; Develop an early warning system intended for flooding related hazard prevention; Identify evacuation and/or relocation sites for settlers along the affected floodplain; Elevate the infrastructure projects to more than 1 meter; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO
T Danda	<b>KABASALAN</b>	122.779306	7.792361	none to low	low to moderate (alluvial plain); high (marshland; Estuary of Kabasalan River)	Observe for presence of mass movement; Activate BDCC	Identify evacuation and/or relocation sites for settlers within the estuary of Kabasalan River; constant updating of the weather condition thru PAGASA; Activate BDCC.	2006	MGB-RO