

**TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF SIAYAN, ZAMBOANGA DEL NORTE**

<b>BRGY</b>	<b>MUNICIPALITY/ CITY</b>	<b>LONGITUDE</b>	<b>LATITUDE</b>	<b>LANDSLIDE SUSCEPTIBILITY RATING</b>	<b>FLOOD SUSCEPTIBILITY RATING</b>	<b>LANDSLIDE REMARKS/RECOMMENDATIONS</b>	<b>FLOOD REMARKS/RECOMMENDATIONS</b>	<b>AS OF</b>	<b>ASSESSED BY/DATA SOURCE</b>
Balok	SIAYAN	123.1744167	8.2624167	Moderate (brgy. center);High (Stio Kalihan & Sitio Sundayad)	Moderate to high at major and minor tributaries of Piao River (sheetflood/flashflood)	Monitor and observe for progress and presence of mass movement;(e.g landslide, tension cracks); develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Develop an early warning device system intended for landslide related hazard prevention; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken and displaced road surfaces; Constant communication and updates with Brgy. Munoz; activate Barangay Disaster Coordinating Council (BDCC).	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; Activate BDCC	2010	MGB-RO
Datagan	SIAYAN	123.1463333	8.1776944	Moderate (brgy. center); High (steep slopes/road cuts)	None (brgy. center); Moderate (flashflood within creeks)	Observe for presence of mass movement; develop an early warning device/system intended for landslide related hazard prevention; observed for saturated ground or seeps in areas that are not typically wet; observe for sunken and displaced road surfaces; constant communication and updates withBrgy. Gonayen on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	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; Activate BDCC	2010	MGB-RO

Denoyan	SIAYAN	123.0650833	8.2639722	Low (brgy. center);Moderate to high (sloping areas to the southsoutheast and eastnortheast of the center) High (areas within Sitios Ma-nga, Bulaktagbing, Lupot)	high (sheetflood/flashflood)	Monitor and observe for progress and presence of mass movement along slopes; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Poblacion; activate Barangay Disaster Coordinating Council (BDCC).	The area is within the floodplain of the tributary of Piao River; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content); ); Develop an early warning system intended flood-related hazard prevention; Constant communication with Brgy. Poblacion; activate BDCC.	2010	MGB-RO
Diongan	SIAYAN	123.1287778	8.1606944	Low (brgy. center);Moderate (road cut and sloping ground leading to Diongan High school)	Moderate to high	Observe for presence of mass movement; constant communication and updates with barangay Datagan on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	High (flashflood along Guibo-Diongan River) High *channel scouring near the barangay center is evident*; 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; constant communication with Brgy. Guibo on the rainfall condition within their area since the volume of the floodwater will flow toward their barangay center; construct hanging bridge across the segment of Sindangan and Guibo-Diongan River; Constant communication with Brgy.Datagan on geohazard situation; activate BDCC	2010	MGB-RO

Domogok	<b>SIAYAN</b>	123.1573333	8.2794722	Moderate	None (brgy. center);Moderate to high along tributary of Piao River (flashflood and sheetflood)	Monitor and observe for progress and presence of mass movement; Observe for presence of mass movements (e.g landslide, tension cracks); develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Constant communication and updates with Brgy. Balok; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content) and avoid passing the tributary during heavy rains; Develop an early warning system intended flashflood/sheetflood-related hazard prevention; place warning signage along riverbank; Activate BDCC.	2010	MGB-RO
Dumpilas	<b>SIAYAN</b>	123.1082500	8.2259444	Moderate	none (brgy. center); Moderate to high (creeks/tributaries of Sindangan River across barangay road)	Observe for presence of mass movement (e.g landslide, tension cracks); develop an early warning device/system intended for landslidelated hazard prevention/mitigation; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Poblacion; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content) and avoid passing the tributary during heavy rains; Develop an early warning system intended flashflood/sheetflood-related hazard prevention; place warning signage along riverbank; Activate BDCC	2010	MGB-RO

Gonayen	SIAYAN	123.1481389	8.2010833	Moderate (brgy. center);High ( creek channel, road cuts and steep slopes)	None	Observe for presence of mass movement; develop an early warning device/system intended for landslide related hazard prevention;Observed for saturated ground or seeps in areas that are not typically wet; observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Gunyan on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).		2010	MGB-RO
Guibo	SIAYAN	123.0924722	8.1250556	Moderate to high (brgy.center);High (road cut going to the barangay proper; steep slopes; and valley side;	None (brgy. center);High (flashflood along creeks across barangay road)	Monitor progress of mass movement (e.g. landslides, tension cracks); Observe for presence of mass movement; develop an early warning device/system intended for landslide related hazard prevention; observed for saturated ground or seeps in areas that are not typically wet; observe for sunken and displaced road surfaces; identify evacuation site; constant communication and updates with Brgy. Datagan on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	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 alternate route/access road for the residents during rainy season or heavy, incessant rain since the available road to the barangay passes several segments of creeks and major river; Activate BDCC	2010	MGB-RO
Gunyan	SIAYAN	123.1681667	8.2010556	None to low (brgy. proper);moderate ( creek channel, road cuts and steep slopes; quarry area)	None (brgy. center);moderate (flashflood along creek)	Monitor and observe for presence of mass movement; constant communication and updates with Brgy.Muñoz on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content);	2010	MGB-RO

Litolet	<b>SIAYAN</b>	123.1690278	8.2285000	low (brgy. center);Moderate to High (road cuts/sloping ground);	Low (brgy.center); Moderate (flashflood along tributary of Piao River near the barangay center)	Observe for presence of mass movement; observed for saturated ground or seeps in areas that are not typically wet; observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Muñoz on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	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; Activate BDCC	2010	MGB-RO
Macasing	<b>SIAYAN</b>	123.1565278	8.1585556	Moderate (brgy. center);High ( creek channel, road cuts and steep slopes/valley side)	None (brgy. center);high (flashflood along tributary if Sindangan River)	Monitor progress of mass movement (e.g. landslides, tension cracks); Observe for presence of mass movement; develop an early warning device/system intended for landslide related hazard prevention; observed for saturated ground or seeps in areas that are not typically wet; observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Datagan on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	Monitor and observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); Activate BDCC	2010	MGB-RO

Mangilay	SIAYAN	123.2159167	8.2404167	Moderate	None (brgy. center); moderate (flashflood along creek)	Moderate to high (road cut) Observe for presence of mass movement; develop an early warning device/system intended for landslide related hazard prevention; observed for saturated ground or seeps in areas that are not typically wet; observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Soguilon on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content);	2010	MGB-RO
Moyo	SIAYAN	123.1059722	8.2860278	Moderate (brgy. center); High (especially road cuts and very steep sloping grounds)	none (brgy. center); moderate to high at tributary of Piao River (flashflood)	Observe for presence of mass movement (e.g landslide, tension cracks); monitor progress of the mass movement along the road cuts; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Poblacion; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content) and avoid passing the tributary during heavy rains; Develop an early warning system intended flashflood/sheetflood-related hazard prevention; place warning signage along riverbank; Activate BDCC.	2010	MGB-RO

Pange	SIAYAN	123.1559167	8.0937222	Moderate to high	None (brgy. center);High (Sindangan river)	High (steep valley side, road cut and steep ridge slope and gully head) Monitor progress of mass movement (e.g. landslides, tension cracks); Observe for presence of mass movement; develop an early warning device/system intended for landslide related hazard prevention; observed for saturated ground or seeps in areas that are not typically wet; observe for sunken and displaced road surfaces; constant communication and updates with barangay Macasing on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	Monitor and observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); Activate BDCC	2010	MGB-RO
Paranglumba (Pob.)	SIAYAN	123.1199167	8.2549722	Low	Low on sheetflood (brgy. center);	Observe for presence of mass movements (e.g. landslide, tension cracks) develop an early warning device/system intended for landslidelated hazard prevention/mitigation; Constant communication and updates with Brgy. Poblacion; activate Barangay Disaster Coordinating Council (BDCC).	Seasonally high on low lying areas and within immediate vicinity of the main segment of Piao River (sheet flood) Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content); Identify evacuation site; place flashflood warning signage along riverbank; activate Barangay Disaster Coordinating Council (BDCC).	2010	MGB-RO

Polayo	<b>SIAYAN</b>	123.0730833	8.2466389	Moderate	None	Observe for presence of mass movement (e.g landslide, tension cracks); Monitor and observe for progress and presence of mass movement along slopes; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Poblacion; activate Barangay Disaster		2010	MGB-RO
Sayaw	<b>SIAYAN</b>	123.1303333	8.1824722	Moderate (brgy. center); High (steep slope near the barangay center; valley side)	None	Observe for presence of mass movement (e.g landslide, tension cracks); Monitor and observe for progress and presence of mass movement along slopes; develop an early warning device/system intended for landslide-related hazard prevention/mitigation; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Gonayen; activate Barangay Disaster Coordinating Council (BDCC).		2010	MGB-RO



Seriac	<b>SIAYAN</b>	123.2044722	8.1788889	Moderate (brgy. center);High ( creek channel, road cuts and steep slopes)	None (brgy. center); moderate (flashflood along creek)	Observe for presence of mass movement; develop an early warning device/system intended for landslide related hazard prevention; observe for sunken and displaced road surfaces; constant communication and updates with Brgys. Gunyan/Munoz on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content); Activate BDCC	2010	MGB-RO
Siayan Proper (Pob.)	<b>SIAYAN</b>	123.1101667	8.2540000	Low (brgy. center); Moderate (hilly sections of the barangay)	None (brgy. center);	Observe for presence of mass movement (e.g landslide, tension cracks); develop an early warning device/system intended for landslidelated hazard prevention/mitigation; Identify evacuation site; Observe for saturated ground or seeps in areas that are not typically wet; Observe for sunken and displaced road surfaces; activate Barangay Disaster Coordinating Council (BDCC).	Seasonally high on sheetflood and common flash flood regularity with high turbidity within the floodplain of Piao River Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content) and avoid passing the tributary during heavy rains; Develop an early warning system intended flashflood/sheetflood-related hazard prevention; place warning signage along riverbank; Activate BDCC	2010	MGB-RO

Balunokan	SIAYAN	123.1817500	8.1641389	Moderate (brgy. center);High ( creek channel, road cuts and steep slopes)	None	Monitor progress of mass movement (e.g. landslides, tension cracks); Observe for presence of mass movement; develop an early warning device/system intended for landslide related hazard prevention; identify evacuation site; observed for saturated ground or seeps in areas that are not typically wet; observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Gonayen on geohazard situation; activate Barangay Disaster Coordinating Council (BDCC).		2010	MGB-RO
Muñoz	SIAYAN	123.1439722	8.2419722	Low (brgy. center); Moderate to high (steep slope)	None (brgy. center);	Observe for presence of mass movement (e.g landslide, tension cracks); develop an early warning device/system intended for landslide related hazard prevention/mitigation; Identify	Seasonally high on sheetflood and common flash flood regularity with high turbidity on areas within Piao River; observe for rapid increase/decrease in creek/river water levels, possibly accompanied by	2010	MGB-RO
Suguilon	SIAYAN	123.2092222	8.2109167	moderate	None (brgy. center);moderate (flashflood along creek)	Observe for presence of mass movement; develop an early warning device/system intended for landslide related hazard prevention; observed for saturated ground or seeps in areas that are not typically wet; observe for sunken and displaced road surfaces; constant communication and updates with Brgy. Gunyan on geohazard situation; activate barangay disaster coordinating council.	Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content);	2010	MGB-RO

