

REPORT ON THE 1:10,000 SCALE GEOHAZARDS ASSESSMENT AND MAPPING OF ESPERANZA, AGUSAN DEL SUR



Submitted to:



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Submitted by:



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REPORT ON THE 1:10,000 SCALE GEOHAZARDS (LANDSLIDE AND FLOODING) ASSESSMENT AND MAPPING OF ESPERANZA, AGUSAN DEL SUR

The SRDP Consulting Inc., tasked by the Mines and Geosciences Bureau Central Office- Department of Environment and Natural Resources (MGB-DENR), conducted flood and landslide assessment and mapping (1:10,000 scale) of barangays within the Municipality of Esperanza, Agusan del Sur on October 20 - 31, 2014. The SRDP CARAGA technical geohazard team is composed of Jesse Segura (Geologist), Tina Marie de Peralta (Geologist), Llewe Lloyd Polinar (Geologist), Idzel Bonn Demetillo (Geologist), Filman Monceda (Geologist), Ryan Gantalao (Geologist), Mark Lim (Geologist), Tyson Epa (Geologist), Roberto Mirador (Area Coordinator) and Ria Acevedo (Encoder).

The geohazard assessment of landslide and flood susceptibility used 1:10,000 scale base maps from the National Mapping and Resource Information Authority (NAMRIA). The assessed areas were rated as having low, moderate, high or very high (critical) susceptibility to landslide. Similar flooding susceptibility rating (i.e. high, moderate or low) was also given to the assessed barangays. **Tables 1 and 2** show the parameters used in the assessment of landslide and flood.

Table 1. Landslide susceptibility parameters used during the assessment

Landslide Susceptibility Parameters	Low	Moderate	High	Very High
A. Slope Gradient	Low to moderate (6.5°-12.5°)	Moderate to steep (12.5°-22.5°)	Steep to very steep (22.5°-45°)	Steep to very steep (>45°)
B. Weathering/Soil Characteristics	Slight to moderate	Moderate	Intense; Soil usually non-cohesive	Intense; Soil usually non-cohesive
C. Rock mass strength	Very good to good	Fair	Poor to very poor	Poor to very poor
D. Ground Stability	Stable with no identified landslide scars, either old, recent or active	Soil creep and other indications for possible landslide occurrence are present.	Active and inactive landslides evident; tension cracks present	Active and inactive landslides evident; tension cracks, bulges, terracets, seepage present.
E. Human Initiated effects				May be an aggravating factor

Table 2. Flood susceptibility parameters used during the assessment

Flood Susceptibility Parameters	Low	Moderate	High	Very High
A. Flood height	Areas likely to experience flood heights of less than 0.5 meter	Areas likely to experience flood heights of 0.5 to 1 meter	Areas likely to experience flood heights 1 to 2 meters	Areas likely to experience flood heights greater than 2 meters
B. Flood duration	Areas likely to experience flooding of less than 1 day	Areas likely to experience flooding of 1 to 3 days	Areas likely to experience flooding of more than 3 days	Areas likely to experience flooding of more than 3 days
C. Landform / Geomorphic feature	Low hills and gentle slopes	Fluvial terraces, alluvial fans and in-filled valleys	Topographic lows such as active and abandoned river channels, and areas along river banks	Topographic lows such as active and abandoned river channels, and areas along river banks
D. Drainage density	Sparse to moderately-spaced drainage	Moderately-spaced drainage	Closely-spaced drainage	Closely-spaced drainage
E. Prone to flashflood	No	No	No	Yes

A list of the barangays covered by the geohazard mapping and assessment is given in **Table 3**. Results of the landslide mapping and assessment are tabulated in **Tables 4** (landslide) and **5** (flood), arranged alphabetically by barangay name as shown in **Table 3**. Photos of significant observation points are included in the latter part of this report.

Table 3. List of barangays covered by the Geohazard mapping and assessment in the Municipality of Esperanza, Agusan del Sur

Barangay	Page Number	
	Landslide	Flood
Agsabu	4	91
Aguinaldo	6	93
Anolingán	7	94
Bakingking	9	96
Balubo	11	98
Bentahon	12	100
Bunaguit	14	102
Catmonon	16	104
Cebulan	19	107
Concordia	20	108

Crossing Luna	22	110
Cubo	25	112
Dakutan	26	114
Duangan	28	117
Guadalupe	31	119
Guibonon	34	122
Hawilian	35	123
Kalabuan	37	125
Kinamaybay	39	127
Labao	41	129
Langag	42	131
Maasin	44	134
Mac-Arthur	46	136
Mahagcot	48	137
Maliwanag	49	139
Milagros	51	141
Nato	52	143
New Gingoog	55	145
Odiong	57	147
Oro	59	149
Piglawigan	61	151
Poblacion	63	153
Remedios	65	156
Salug	67	158
San Isidro	69	159
San Jose	70	160
San Toribio	71	162
San Vicente	73	164
Santa Fe	74	165
Segunda	77	168
Sinakungan	79	170
Tagabase	81	172
Taganahaw	83	174
Tagbalili	85	176
Tahina	86	177
Tandang Sora	87	178
Valentina	88	180

Table 4. Results of the Landslide Hazard Assessment

Location	Landslide Susceptibility Rating	Remarks/Recommendations
Barangay Agsabu		
ESP-AGS-01 Agricultural area in Purok 1 8°42'33.48" N 125°27'18.36" E	Moderate	The area is bounded by moderate to steep slope on its sides. Recommendations: Observe and monitor for the presence of mass movement. Report situation to MGB office and the local government authorities.
ESP-AGS-11 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'7.8" N 125°27'46.08" E	Moderate	
ESP-AGS-12 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'7.8" N 125°27'46.44" E	Moderate	
ESP-AGS-14 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'7.44" N 125°27'52.92" E	Moderate	
ESP-AGS-15 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'7.44" N 125°27'53.28" E	Moderate	The area is situated at the base of a steeper slope which is prone to mass wasting.
ESP-AGS-16 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'7.44" N 125°27'54.72" E	Moderate	Recommendation: Observe and monitor for presence of mass movement and report to the MGB/Local Government authorities.
ESP-AGS-17 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'8.88" N 125°27'56.52" E	Moderate	
ESP-AGS-18 Residential, agricultural area in Purok 1 8°41'7.8" N 125°28'1.56" E	Moderate	
ESP-AGS-19 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'22.2" N 125°27'54.72" E	Moderate	
ESP-AGS-02	Low	Barangay area is situated on a gentle to rolling terrain and is quite

Residential, agricultural area in Purok 1 8°40'42.96" N 125°27'7.56" E		<p>distal to any steep slopes that could be of great possibility in landslide.</p> <p>Recommendations: Observe and monitor for the presence of mass movement. Report situation to MGB office and the local government authorities.</p>
ESP-AGS-03 Residential area in Purok 2 8°40'34.68" N 125°27'2.52" E	Low	
ESP-AGS-04 Residential area in Purok 3 8°40'35.04" N 125°27'0.72" E	Low	
ESP-AGS-05 Residential area in Purok 3 8°40'38.64" N 125°27'1.08" E	Low	
ESP-AGS-06 Residential area in Purok 2 8°40'37.2" N 125°27'2.88" E	Low	
ESP-AGS-07 Residential area in Purok 2 8°40'35.04" N 125°27'3.96" E	Low	
ESP-AGS-08 Residential area in Purok 1 8°40'36.84" N 125°27'5.76" E	Low	
ESP-AGS-09 Residential, agricultural area in Purok 1 8°40'38.64" N 125°27'6.84" E	Low	
ESP-AGS-10 Along the road, natural vegetation and semi natural forest in Purok 1 8°40'54.48" N 125°27'28.44" E	Low	
ESP-AGS-13 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'6.36" N 125°27'51.84" E	Low	
ESP-AGS-20 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'56.04" N 125°27'38.52" E	Low	

Barangay Aginaldo

ESP-AGD-257 Purok 3 Community area 8°37'35" N 125°44'11.9" E	Low	No landslide/mass movement component mapped.
ESP-AGD-258 Purok 3 Community area 8°37'34.9" N 125°44'10.5" E	Low	
ESP-AGD-259 Purok 1 Community area 8°37'46.5" N 125°44'2.8" E	Low	
ESP-AGD-260 Purok 1 Community area 8°37'46.6" N 125°44'2.8" E	Low	
ESP-AGD-261 Purok 1 Community area 8°37'46" N 125°44'2.7" E	Low	
ESP-AGD-262 Purok 1 Community area 8°37'44.1" N 125°44'3.9" E	Low	
ESP-AGD-263 Purok 2 Community area 8°37'42.5" N 125°44'4.7" E	Low	
ESP-AGD-264 Aginaldo Barangay Hall 8°37'42.5" N 125°44'4.8" E	Low	
ESP-AGD-265 Aginaldo Elementary School 8°37'42.6" N 125°44'3.8" E	Low	
ESP-AGD-266 Purok 2 Community area 8°37'42.5" N 125°44'3" E	Low	
ESP-AGD-267 Purok 2 Community area 8°37'40.3" N 125°44'5.3" E	Low	
ESP-AGD-268 Purok 2 Community area 8°37'38.3" N 125°44'2.2" E	Low	
ESP-AGD-269 Purok 2 Community area 8°37'38.6" N 125°44'5.3" E	Low	
ESP-AGD-270 Purok 2 Community area 8°37'34.4" N 125°44'4.8" E	Low	

ESP-AGD-271 Purok 2 Community area 8°37'40.4" N 125°44'6.3" E	Low	No landslide/mass movement component mapped.
ESP-AGD-272 Purok 2 Community area 8°37'39.9" N 125°44'6.5" E	Low	
ESP-AGD-273 Purok 1 Community area 8°37'48.6" N 125°44'3.4" E	Low	
ESP-AGD-274 Along the road in Purok 1 8°37'53.8" N 125°44'6.7" E	Low	
ESP-AGD-275 Along the road in Purok 1 8°37'50.9" N 125°44'4.4" E	Low	
Barangay Anolingnan		
ESP-ANL-1163 Residences in Purok 9 8°36'46.7" N 125°46'21.2" E	High	Shallow seated debris slides that were observed at the base of the slope are indication of slope instability. Around 20 residences are prone to landslide. Recommendation: For long term solution, relocate the residences situated at the top of the slope to safer areas not susceptible to geohazard risk.
ESP-ANL-1154 Along the road going to Purok 6 8°35'42.4" N 125°46'22.7" E	Moderate	Shallow seated landslide was observed along the trail going to Purok proper. Recommendation: Discourage future habitation situated at the edge of the slope especially where shallow landslides are found.
ESP-ANL-1152 Residences in Purok 6 8°35'22.8" N 125°46'34.4" E	Moderate	Shallow seated landslide was observed along the trail going to Purok proper. Settlements in Purok 6 are situated on a moderately undulating terrain. Recommendation: Discourage future habitation situated at the edge of the slope especially where shallow landslides are found.
ESP-ANL-1153 Along the road going to Purok 6 8°35'28.8" N 125°46'30" E		
ESP-ANL-1151 Anolingnan Barangay Hall 8°36'59" N 125°46'27" E	Low	No landslide component mapped.
ESP-ANL-1155 Along the road going to Purok 6 8°36'9.2" N 125°46'9.5" E	Low	
ESP-ANL-1156 Along the road going to Purok 6 8°36'9.4" N 125°46'9.5" E	Low	

ESP-ANL-1157 Sangi Creek in Purok 6 8°36'18.3" N 125°46'9.7" E	Low	No landslide component mapped.
ESP-ANL-1158 Along the road going to Purok 6 8°36'21.8" N 125°46'9.4" E	Low	
ESP-ANL-1159 Along the road going to Purok 6 8°36'22.1" N 125°46'9.4" E	Low	
ESP-ANL-1160 Anolingán Creek in Purok 9 8°36'42.4" N 125°46'20.2" E	Low	
ESP-ANL-1161 Along the barangay road in Purok 9 8°36'43.5" N 125°46'20.7" E	Low	
ESP-ANL-1162 Purok 9 waiting shed 8°36'44.7" N 125°46'21.3" E	Low	
ESP-ANL-1164 Purok 2B waiting shed 8°36'46.6" N 125°46'26.2" E	Low	
ESP-ANL-1165 Anolingán Elementary School 8°36'51.9" N 125°46'29.4" E	Low	
ESP-ANL-1166 Residence in Purok 2A 8°36'52" N 125°46'32.5" E	Low	
ESP-ANL-1167 Purok 3 waiting shed 8°37'0.8" N 125°46'43.8" E	Low	
ESP-ANL-1168 Purok 1B waiting shed 8°36'56.9" N 125°46'29.7" E	Low	
ESP-ANL-1169 Purok 1A waiting shed 8°37'9.1" N 125°46'24" E	Low	
ESP-ANL-1170 Purok 4 waiting shed 8°37'30.6" N 125°46'16.5" E	Low	

ESP-ANL-1171 Along the road in Purok 4 8°37'34.4" N 125°46'13.9" E	Low	No landslide component mapped.
ESP-ANL-1172 Purok 5 waiting shed 8°37'51.2" N 125°46'21" E	Low	
ESP-ANL-1173 Purok 7 waiting shed 8°37'56.7" N 125°46'34.2" E	Low	
ESP-ANL-1174 Along the barangay road 8°38'3.5" N 125°46'44.7" E	Low	
ESP-ANL-1175 Purok 8 proper 8°38'5" N 125°46'47.3" E	Low	
ESP-ANL-1176 Purok 10 waiting shed 8°37'34.2" N 125°47'11.6" E	Low	
ESP-ANL-1177 Creek in Purok 10 8°37'50.5" N 125°46'56.9" E	Low	
ESP-ANL-1178 Rice field area in Purok 10 8°37'54.6" N 125°46'55.8" E	Low	
Barangay Bakingking		
ESP-BKN-1218 Purok 1 proper 8°40'51.9" N 125°31'27.6" E	Low	No landslide component mapped.
ESP-BKN-1219 Near Ujot River in Purok 1 8°40'51.9" N 125°31'27.6" E	Low	
ESP-BKN-1220 Near Ujot River in Purok 1 8°40'52" N 125°31'27.6" E	Low	
ESP-BKN-1221 Ujot River in Purok 1 8°40'52.3" N 125°31'27.7" E	Low	
ESP-BKN-1222 Purok 1 waiting shed 8°40'51.2" N 125°31'27" E	Low	

ESP-BKN-1223 Waiting shed for pump boats 8°40'51.8" N 125°31'24.4" E	Low	No landslide component mapped.
ESP-BKN-1224 Purok 2 waiting shed 8°40'50.1" N 125°31'23.2" E	Low	
ESP-BKN-1225 Bakingking Elementary School 8°40'45.9" N 125°31'23.7" E	Low	
ESP-BKN-1226 Purok 3 waiting shed 8°40'45.1" N 125°31'21" E	Low	
ESP-BKN-1227 Residences in Purok 3 8°40'44" N 125°31'20" E	Low	
ESP-BKN-1228 Purok 4 waiting shed 8°40'43.3" N 125°31'19.3" E	Low	
ESP-BKN-1229 Residences in Purok 4 8°40'42.5" N 125°31'18.5" E	Low	
ESP-BKN-1230 Along the trail in Purok 4 8°40'41.7" N 125°31'17" E	Low	
ESP-BKN-1231 Hidyop Creek 8°40'42.3" N 125°31'16" E	Low	
ESP-BKN-1232 Along the trail in Purok 4 8°40'43.8" N 125°31'18.1" E	Low	
ESP-BKN-1233 Bakingking Health Center 8°40'47.2" N 125°31'24.4" E	Low	
ESP-BKN-1234 Bakingking Day Care Center 8°40'47.5" N 125°31'24.9" E	Low	
ESP-BKN-1235 Bakingking Barangay Hall 8°40'48" N 125°31'24.7" E	Low	

ESP-BKN-1236 Purok 1 proper 8°40'46.2" N 125°31'24.8" E	Low	No landslide component mapped.
Barangay Balubo		
ESP-BAL-13 Open Area in Purok 4 8°42'45.25" N 125°27'6.16" E	High	Area is situated along the high banks of Ohot river at Purok 4. Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Develop an early warning system (e.g., signages). Constant communication and updates with Brgy. Balubo on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
ESP-BAL-18 Road in Purok 4 8°42'53.39" N 125°27'19.76" E	High	Main access road going to the area is situated along steeply sloping ground.
ESP-BAL-19 Road in Purok 4 8°43'7.39" N 125°27'6.26" E	High	Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Develop an early warning system (e.g., signages). Constant communication and updates with Brgy. Balubo on geohazard situation.
ESP-BAL-20 Road in Purok 4 8°43'21.79" N 125°27'18.68" E	High	
ESP-BAL-01 Purok 2 8°42'41.54" N 125°27'14" E	Low	
ESP-BAL-02 Barangay Hall/Residential area in Purok 2 8°42'40.86" N 125°27'13.32" E	Low	Area is situated near the base of a steeply sloping ground. Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Develop an early warning system (e.g., signages). Constant communication and updates with Brgy. Balubo on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
ESP-BAL-03 Residential area in Purok 2 8°42'39.1" N 125°27'13.1" E	Low	
ESP-BAL-04 Ohot river in Purok 2 8°42'37.8" N 125°27'12.35" E	Low	
ESP-BAL-05 Residential area in Purok 2 8°42'38.7" N 125°27'15.48" E	Low	
ESP-BAL-06 Residential area in Purok 1 8°42'38.74" N 125°27'17.75" E	Low	
ESP-BAL-07 Ohot river in Purok 1 8°42'38.23" N 125°27'18.18" E	Low	

ESP-BAL-08 Residential area in Purok 1 8°42'39.74" N 125°27'20.48" E	Low	Area is situated near the base of a steeply sloping ground. Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Develop an early warning system (e.g., signages). Constant communication and updates with Brgy. Balubo on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
ESP-BAL-09 Purok 1 8°42'41.08" N 125°27'19.91" E	Low	
ESP-BAL-10 Purok 1 8°42'43.13" N 125°27'17.82" E	Low	
ESP-BAL-11 Residential area in Purok 1 8°42'41.26" N 125°27'16.06" E	Low	
ESP-BAL-12 Residential area in Purok 3 8°42'42.23" N 125°27'9.68" E	Low	
ESP-BAL-14 Residential area in Purok 4 8°42'46.58" N 125°27'7.92" E	Low	
ESP-BAL-15 Residential area in Purok 4 8°42'49" N 125°27'11.45" E	Low	
ESP-BAL-16 Purok 4 8°42'45.43" N 125°27'9.79" E	Low	
ESP-BAL-17 Residential area in Purok 3 8°42'42.55" N 125°27'11.41" E	Low	
Barangay Bentahon		
ESP-BEN-149 Barangay road in Purok 4 8°41'17.4" N 125°40'20.1" E	Moderate	Moderately steep slope located at the back of the school site. Houses were built along the slope. Tilted houses, trees and posts were observed. Slope height is approximately 15 meters high. Recommendations: Observe for and/or monitor for presence of mass movement and report to MGB/municipal authorities (e.g. landslide, tension cracks). Constant communication and updates with Brgy. Bentahon on geohazard situation.
ESP-BEN-148 Purok 1-A proper 8°41'11.8" N 125°40'24.8" E	Low	Area is in relatively flat to gently sloping terrain. No landslide component mapped.

ESP-BEN-133 Sangi Creek/Tributary of Wawa River in Purok 1 8°41'10.3" N 125°40'53.8" E	Low	Area is in relatively flat to gently sloping terrain. No landslide component mapped.
ESP-BEN-134 Sangi Creek/Tributary of Wawa River in Purok 2 8°41'9.2" N 125°40'52.3" E	Low	
ESP-BEN-135 Barangay Road in Purok 3 8°41'10.1" N 125°40'51.9" E	Low	
ESP-BEN-136 Barangay Road in Purok 2 8°41'10.1" N 125°40'44.8" E	Low	
ESP-BEN-137 Wawa River in Purok 1-B 8°40'51.8" N 125°40'38.8" E	Low	
ESP-BEN-138 Open Fields in Purok 1-B 8°40'56.4" N 125°40'39.5" E	Low	
ESP-BEN-139 Open Fields in Purok 1-B 8°41'6.8" N 125°40'37.4" E	Low	
ESP-BEN-140 Purok 2 proper in Purok 2 8°41'6.7" N 125°40'41.3" E	Low	
ESP-BEN-141 Wawa River in Purok 2 8°41'1" N 125°40'43.3" E	Low	
ESP-BEN-142 Adjacent to Wawa River in Purok 2 8°41'1.5" N 125°40'42.6" E	Low	
ESP-BEN-143 Adjacent to Wawa River in Purok 2 8°41'2.4" N 125°40'42.3" E	Low	
ESP-BEN-145 Bentahon Elementary School 8°41'10.3" N 125°40'29.3" E	Low	

ESP-BEN-146 Barangay Hall of Bentahon 8°41'11.4" N 125°40'29.9" E	Low	Area is in relatively flat to gently sloping terrain. No landslide component mapped.
ESP-BEN-147 Purok 1-C proper 8°41'11.4" N 125°40'20.2" E	Low	
ESP-BEN-150 Barangay road in Purok 4 8°41'19.7" N 125°40'10.7" E	Low	
ESP-BEN-151 Barangay road in Purok 4 8°41'16.7" N 125°40'2.6" E	Low	
ESP-BEN-152 Barangay road in Purok 4 8°41'7.1" N 125°39'42.5" E	Low	
ESP-BEN-153 Barangay road in Purok 4 8°40'48.5" N 125°39'45.2" E	Low	
ESP-BEN-154 Purok 5 proper 8°40'38.2" N 125°39'52.4" E	Low	
ESP-BEN-156 Barangay Road in Purok 6 8°41'22.2" N 125°40'28.6" E	Low	
ESP-BEN-157 Purok 6 proper 8°41'29.1" N 125°40'34.8" E	Low	
Barangay Bunaguit		
ESP-BNT-422 Along road in Purok 4 8° 36' 33.9" N 125° 28' 47" E	Moderate	No landslide reported but the area is situated on a moderate to steep slope. Recommendation: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.
ESP-BNT-423 Along road in Purok 4 8° 36' 24.7" N 125° 28' 59.6" E	Moderate	
ESP-BNT-424 Along road in Purok 4 8° 36' 16" N 125° 29' 8.2" E	Moderate	
ESP-BNT-425 Along road in Purok 4 8° 36' 20.1" N 125° 29' 15.8" E	Moderate	

ESP-BNT-426 Community Area in Purok 4 8° 36' 19" N 125° 29' 19.3" E	Low	Area is flat. No landslide component mapped.
ESP-BNT-1208 Barangay Hall 8° 36' 47.3" N 125° 28' 38.4" E	Low	
ESP-BNT-1209 Health Station 8° 36' 46.9" N 125° 28' 38.3" E	Low	
ESP-BNT-1210 Posilaw River in Purok 1 8° 36' 46.4" N 125° 28' 43.1" E	Low	
ESP-BNT-1211 Community Area in Purok 1 8° 36' 48.4" N 125° 28' 41.5" E	Low	
ESP-BNT-1212 Community Area in Purok 1 8° 36' 49.6" N 125° 28' 39.9" E	Low	
ESP-BNT-123 Open fields/cornfields in Purok 3 8° 36' 53.1" N 125° 28' 36.6" E	Low	
ESP-BNT-124 Purok 3 proper 8° 36' 51.7" N 125° 28' 35.9" E	Low	
ESP-BNT-125 Bunaguit Elementary School 8° 36' 53.2" N 125° 28' 32.4" E	Low	
ESP-BNT-127 Purok 3 proper 8° 36' 50.1" N 125° 28' 30.8" E	Low	
ESP-BNT-128 Purok 3 proper 8° 36' 48.7" N 125° 28' 34.2" E	Low	
ESP-BNT-1344 Bunaguit Barangay Hall 8° 36' 50.2" N 125° 28' 36.7" E	Low	
ESP-BNT-1345 Purok 2 Community area 8° 36' 50.3" N 125° 28' 38.1" E	Low	

ESP-BNT-1346 Community Near Posilaw River in Purok 2 8° 36' 50.8" N 125° 28' 38.3" E	Low	Area is flat. No landslide component mapped.
ESP-BNT-1347 Community Near Posilaw River in Purok 2 8° 36' 50.6" N 125° 28' 38.2" E	Low	
ESP-BNT-1348 Community Near Posilaw River in Purok 2 8° 36' 50.9" N 125° 28' 38.6" E	Low	
ESP-BNT-1349 Posilaw River in Purok 2 8° 36' 51.1" N 125° 28' 39" E	Low	
ESP-BNT-1350 Posilaw River in Purok 2 8° 36' 52" N 125° 28' 43.2" E	Low	
ESP-BNT-1351 Bunaguit Day Care Center 8° 36' 48.1" N 125° 28' 38.8" E	Low	
ESP-BNT-1352 Purok 2 proper 8° 36' 49.2" N 125° 28' 36.8" E	Low	
ESP-BNT-126 Open fields/cornfields in Purok 3 8° 36' 54.9" N 125° 28' 32.2" E	Low	
ESP-BNT-421 Along road in Purok 4 8° 36' 50.2" N 125° 28' 36.8" E	Low	No landslide reported but the area is situated on a moderate to steep slope. Recommendation: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.
Barangay Catmonon		
ESP-CTM-681 Barangay road, rice field in Purok 1 8°39'24.7" N 125°42'10.15" E	Low	Low landslide susceptibility.
ESP-CTM-682 Barangay road, rice field in Purok 1 8°39'10.33" N 125°42'15.12" E	Low	

ESP-CTM-683 Catmonon Brgy. Hall, residential area in Purok 3A 8°38'46.39" N 125°42'22.61" E	Low	Low landslide susceptibility.
ESP-CTM-684 Barangay road, rice field in Purok 4 8°38'40.88" N 125°42'23.08" E	Low	
ESP-CTM-685 Barangay road, rice field in Purok 4 8°38'34.91" N 125°42'28.58" E	Low	
ESP-CTM-686 Barangay road, rice field in Purok 4 8°38'28.1" N 125°42'32.58" E	Low	
ESP-CTM-687 Barangay road, rice field in Purok 4 8°38'25.62" N 125°42'30.13" E	Low	
ESP-CTM-688 Barangay road, rice field in Purok 6 8°38'17.92" N 125°42'24.16" E	Low	
ESP-CTM-689 Barangay road, rice field in Purok 6 8°38'8.02" N 125°42'29.66" E	Low	
ESP-CTM-690 Barangay road, rice field in Purok 6 8°38'5.46" N 125°42'27.76" E	Low	
ESP-CTM-691 Barangay road, rice field in Purok 6 8°38'5.57" N 125°42'25.27" E	Low	
ESP-CTM-692 Barangay road, rice field in Purok 6 8°38'5.68" N 125°42'3.02" E	Low	
ESP-CTM-693 Barangay road, rice field in Purok 5 8°38'36.64" N 125°42'19.15" E	Low	

ESP-CTM-694 Barangay road, rice field in Purok 5 8°38'46.54" N 125°42'9.29" E	Low	Low landslide susceptibility.
ESP-CTM-695 Barangay road, rice field in Purok 5 8°38'40.7" N 125°41'57.08" E	Low	
ESP-CTM-696 Residential area, rice field in Purok 5 8°38'35.16" N 125°41'52.37" E	Low	
ESP-CTM-697 Residential area, rice field in Purok 5 8°38'34.58" N 125°41'52.08" E	Low	
ESP-CTM-698 Residential area, rice field in Purok 5 8°38'39.16" N 125°41'55.1" E	Low	
ESP-CTM-699 Barangay road, NIA irrigation, rice field in Purok 5 8°38'54.17" N 125°42'15.3" E	Low	
ESP-CTM-700 Barangay road, NIA irrigation, rice field in Purok 2 8°39'2.38" N 125°42'7.49" E	Low	
ESP-CTM-701 Barangay road, rice field in Purok 2 8°38'56.87" N 125°41'53.52" E	Low	
ESP-CTM-702 Residential area, rice field in Purok 2 8°38'51.68" N 125°41'45.6" E	Low	
ESP-CTM-703 Barangay road, NIA irrigation, rice field in Purok 1 8°39'26.64" N 125°42'3.35" E	Low	
ESP-CTM-707 Residential area, barangay road in Purok 7 8°39'27.29" N 125°42'39.67" E	Low	

ESP-CTM-708 Gumpaitan Creek, bridge in Purok 7 8°39'17.93" N 125°42'42.62" E	Low	Low landslide susceptibility.
ESP-CTM-709 Catmonon National High School, residential area 8°39'13.79" N 125°42'15.59" E	Low	
ESP-CTM-710 Catmonon Elementary School, rice field 8°38'49.96" N 125°42'19.87" E	Low	
ESP-CTM-711 Residential area, rice field in Purok 3 8°38'48.88" N 125°42'25.42" E	Low	
ESP-CTM-712 Residential area, barangay road in Purok 3A 8°38'45.53" N 125°42'25.02" E	Low	
Barangay Cebulan		
ESP-CBL-1180 Cebulan Barangay Hall 8°37'48.9" N 125°45'44" E	Moderate	Cebulan Barangay Hall is situated on a moderately undulating slope. No reports of mass movement but may be prone landslide due to its slope gradient. Recommendation: Discourage future habitation and construction of government structures in known/identified landslide prone areas such as steep slopes, mid-slopes and foot slopes of mountains and hills.
ESP-CBL-1187 Purok 4 waiting shed 8°37'48.4" N 125°45'42.2" E	Moderate	Purok 4 waiting shed is situated on a moderately undulating slope. No reports of mass movement but may be prone landslide due to its slope gradient. Recommendation: Discourage future habitation and construction of government structures in known/identified landslide prone areas such as steep slopes, mid-slopes and foot slopes of mountains and hills.
ESP-CBL-1192 Residences in Purok 4 8°37'39" N 125°45'53.4" E	Moderate	Residences in Purok 4 are situated on a moderately undulating slope. No reports of mass movement but may be prone landslide due to its slope gradient. Recommendation: Discourage future habitation and construction of government structures in known/identified landslide prone areas such as steep slopes, mid-slopes and foot slopes of mountains and hills.
ESP-CBL-1181 Purok 2 waiting shed 8°37'48.3" N 125°45'44.2" E	Low	No landslide component mapped.
ESP-CBL-1182 Purok 1 waiting shed 8°37'43.9" N 125°45'43.8" E	Low	

ESP-CBL-1183 Boundary between Barangay Cebulan and Anolingán 8°37'35.9" N 125°46'1.3" E	Low	No landslide component mapped.
ESP-CBL-1184 Along the barangay road in Purok 2 8°37'38.8" N 125°45'57.9" E	Low	
ESP-CBL-1185 Along the barangay road in Purok 2 8°37'40.7" N 125°45'54.1" E	Low	
ESP-CBL-1186 Cebulan Elementary School 8°37'47.1" N 125°45'40.9" E	Low	
ESP-CBL-1188 Purok 3 waiting shed 8°37'46.1" N 125°45'46.3" E	Low	
ESP-CBL-1189 Cornfield in Purok 2 8°37'49.2" N 125°45'45.6" E	Low	
ESP-CBL-1190 Bridge in Purok 2 8°38'0.8" N 125°45'54.5" E	Low	
ESP-CBL-1191 Along the barangay road in Purok 2 8°37'50.2" N 125°45'45.8" E	Low	
ESP-CBL-1193 Along the barangay road in Purok 4 8°37'42.8" N 125°45'43.3" E	Low	
ESP-CBL-1194 Residences in Purok 4 8°37'40.7" N 125°45'45.1" E	Low	
ESP-CBL-1195 Residences in Purok 3 8°37'41.9" N 125°45'49.1" E	Low	
ESP-CBL-1196 Along the barangay road in Purok 1 8°37'39.9" N 125°45'50.8" E	Low	
Barangay Concordia		
ESP-CNC-01 Agricultural Area in	Low	No landslide component mapped in the area.

Purok 3 8°36'52.6" N 125°40'29.5" E		Recommendation: Observe for the presence of mass movement and report to the local authorities.
ESP-CNC-02 Residential Area in Purok 1 8°37'0.5" N 125°40'33.4" E	Low	
ESP-CNC-03 Residential Area in Purok 1 8°37'0.5" N 125°40'33.2" E	Low	
ESP-CNC-04 Residential Area in Purok 1 8°37'2.7" N 125°40'32" E	Low	
ESP-CNC-05 Residential Area in Purok 1 8°36'59.6" N 125°40'31.1" E	Low	
ESP-CNC-06 Residential, agricultural area in Purok 3 8°36'53.6" N 125°40'29.3" E	Low	
ESP-CNC-07 Residential Area in Purok 1 8°36'59.9" N 125°40'32.9" E	Low	
ESP-CNC-08 Agricultural Area in Purok 2 8°37'19.1" N 125°40'37.4" E	Low	
ESP-CNC-09 Agricultural Area in Purok 2 8°37'22.5" N 125°40'44.1" E	Low	
ESP-CNC-10 Residential Area in Purok 2 8°37'22" N 125°40'46.1" E	Low	
ESP-CNC-11 Residential, agricultural area in Purok 2 8°37'26.3" N 125°41'0.2" E	Low	
ESP-CNC-12 Residential, agricultural area in Purok 3 8°36'58.9" N 125°40'27.1" E	Low	

ESP-CNC-13 Residential, agricultural area in Purok 3 8°37'3.6" N 125°40'28.3" E	Low		
ESP-CNC-14 Residential, agricultural area in Purok 3 8°36'56.8" N 125°40'32" E	Low		
ESP-CNC-15 Residential, agricultural area in Purok 3 8°37'15.7" N 125°40'36.1" E	Low		
ESP-CNC-16 Residential, agricultural area in Purok 2 8°37'22.2" N 125°40'40.5" E	Low		
ESP-CNC-17 Residential, agricultural area in Purok 2 8°37'29.9" N 125°40'52.6" E	Low		
ESP-CNC-18 Agricultural Area in Purok 6 8°36'15.6" N 125°41'3.4" E	Low		
ESP-CNC-19 Agricultural Area in Purok 6 8°35'53.5" N 125°41'36.1" E	Low		
ESP-CNC-20 Agricultural Area in Purok 6 8°36'24.7" N 125°41'31.7" E	Low		
Barangay Crossing Luna			
ESP-CRL-659 Crossing Luna Brgy. Hall, residential area 8°40'30.43" N 125°41'46.21" E	Low		Low landslide susceptibility.
ESP-CRL-660 Provincial road, residential area in Purok 3 8°40'26.4" N 125°41'38.94" E	Low		
ESP-CRL-661 Residential area, river bank, concrete dike in Purok 8 8°40'25.03" N 125°41'36.49" E	Low		

<p>ESP-CRL-662 Residential area, river bank, concrete dike in Purok 8 8°40'25.9" N 125°41'36.96" E</p>	Low	Low landslide susceptibility.
<p>ESP-CRL-663 Residential area, barangay road in Purok 1 8°40'27.34" N 125°41'42.61" E</p>	Low	
<p>ESP-CRL-664 Residential area, barangay road in Purok 2 8°40'23.77" N 125°41'43.84" E</p>	Low	
<p>ESP-CRL-665 Residential area, barangay road, NIA irrigation in Purok 9 8°40'20.75" N 125°41'45.38" E</p>	Low	
<p>ESP-CRL-666 Barangay road, NIA irrigation in Purok 4 8°40'17.76" N 125°41'39.3" E</p>	Low	
<p>ESP-CRL-667 Residential area, barangay road, rice field in Purok 4 8°40'14.23" N 125°41'36.67" E</p>	Low	
<p>ESP-CRL-668 Residential area, barangay road in Purok 4 8°40'12.83" N 125°41'35.92" E</p>	Low	
<p>ESP-CRL-669 Barangay road, NIA irrigation in Purok 4 8°40'16.57" N 125°41'36.49" E</p>	Low	
<p>ESP-CRL-670 Solar drier, barangay road, rice field in Purok 9 8°40'18.08" N 125°41'46.28" E</p>	Low	
<p>ESP-CRL-671 Solar drier, barangay road, rice field in Purok 9 8°40'14.92" N 125°41'47.26" E</p>	Low	

ESP-CRL-672 Barangay road, rice field in Purok 5 8°40'9.26" N 125°41'49.6" E	Low	Low landslide susceptibility.
ESP-CRL-673 Residential area, barangay road, rice field in Purok 5 8°40'5.05" N 125°41'51.5" E	Low	
ESP-CRL-674 Residential area, barangay road, rice field in Purok 5 8°39'59.9" N 125°41'53.63" E	Low	
ESP-CRL-675 Residential area, barangay road, rice field in Purok 6 8°39'54.36" N 125°41'58.31" E	Low	
ESP-CRL-676 Residential area, barangay road, rice field in Purok 6 8°39'52.34" N 125°41'59.28" E	Low	
ESP-CRL-677 Residential area, barangay road, rice field in Purok 7 8°39'47.16" N 125°42'1.55" E	Low	
ESP-CRL-678 Barangay road, rice field in Purok 7 8°39'41.69" N 125°42'3.35" E	Low	
ESP-CRL-679 Barangay road, rice field in Purok 7 8°39'38.2" N 125°42'4.54" E	Low	
ESP-CRL-680 Barangay road, rice field in Purok 7 8°39'33.84" N 125°42'6.7" E	Low	
ESP-CRL-704 Barangay road, NIA irrigation, rice field in Purok 7 8°39'44.96" N 125°41'57.41" E	Low	

ESP-CRL-705 Barangay road, NIA irrigation, rice field in Purok 5 8°40'1.2" N 125°41'47.72" E	Low	Low landslide susceptibility.
ESP-CRL-706 Barangay road, NIA irrigation, rice field in Purok 9 8°40'22.84" N 125°41'48.23" E	Low	
Barangay Cubo		
ESP-CUB-1101 Cubo Barangay Hall 8°41'35.6" N 125°39'2.7" E	Low	No landslide component mapped.
ESP-CUB-1102 Purok 3 waiting shed 8°41'36" N 125°39'2.9" E	Low	
ESP-CUB-1103 Cubo Elementary School 8°41'36.7" N 125°39'1.3" E	Low	
ESP-CUB-1104 Residence in Purok 3 8°41'36.7" N 125°39'1.7" E	Low	
ESP-CUB-1105 Cubo Dancing Hall 8°41'36.3" N 125°39'3" E	Low	
ESP-CUB-1106 Purok 4 waiting shed 8°41'38" N 125°39'3.9" E	Low	
ESP-CUB-1107 Along the road in Purok 4 8°41'39.1" N 125°39'4.1" E	Low	
ESP-CUB-1108 Residence in Purok 4 8°41'40.3" N 125°39'4.4" E	Low	
ESP-CUB-1109 Purok 6 waiting shed 8°41'56.4" N 125°38'48.6" E	Low	
ESP-CUB-1110 Residence in Purok 6 8°41'56.9" N 125°38'47.7" E	Low	
ESP-CUB-1111 Along the road in Purok 5 8°41'34.5" N 125°39'4.4" E	Low	

ESP-CUB-1112 Purok 5 waiting shed 8°41'32.2" N 125°39'4.8" E	Low	No landslide component mapped.
ESP-CUB-1113 Purok 2 waiting shed 8°41'32.4" N 125°39'0.5" E	Low	
ESP-CUB-1114 Along the road in Purok 2 8°41'28.4" N 125°38'58.9" E	Low	
ESP-CUB-1115 Along the trail in Purok 2 8°41'21.3" N 125°38'58.6" E	Low	
ESP-CUB-1116 Along the road in Purok 1 8°41'21.6" N 125°38'58.6" E	Low	
ESP-CUB-1117 Purok 1 waiting shed 8°41'10.3" N 125°38'57.2" E	Low	
ESP-CUB-1118 Residence in Purok 1 8°41'10.2" N 125°38'58" E	Low	
Barangay Dakutan		
ESP-DKT-1119 Dakutan Barangay Hall 8°40'2" N 125°41'1.5" E	Low	No landslide component mapped.
ESP-DKT-1120 Residence in Purok 15 8°38'35.7" N 125°41'7.6" E	Low	
ESP-DKT-1121 Along the road in Purok 15 8°38'44.2" N 125°41'6.9" E	Low	
ESP-DKT-1122 Purok 15 waiting shed 8°38'49.9" N 125°41'7.7" E	Low	
ESP-DKT-1123 Along the road in Purok 9 8°38'49.1" N 125°41'7.3" E	Low	
ESP-DKT-1124 Along the road in Purok 9 8°39'15" N 125°41'26.9" E	Low	

ESP-DKT-1125 Purok 9 waiting shed 8°39'21.7" N 125°41'31.4" E	Low	No landslide component mapped.
ESP-DKT-1126 Along the road in Purok 9 8°39'10.6" N 125°41'18.9" E	Low	
ESP-DKT-1127 Along the road in Purok 9 8°39'10.5" N 125°41'18.7" E	Low	
ESP-DKT-1128 Along the road in Purok 9 8°39'10.4" N 125°41'18.3" E	Low	
ESP-DKT-1129 Purok 5 waiting shed 8°39'11.1" N 125°41'19.5" E	Low	
ESP-DKT-1130 Along the road in Purok 11 8°39'12" N 125°40'54.9" E	Low	
ESP-DKT-1131 Along the road in Purok 11 8°39'11.9" N 125°40'54.6" E	Low	
ESP-DKT-1132 Purok 11 waiting shed 8°39'11.3" N 125°40'53.4" E	Low	
ESP-DKT-1133 Rice field in Purok 8 8°39'7.9" N 125°41'7.1" E	Low	
ESP-DKT-1134 Purok 8 waiting shed 8°39'22.5" N 125°41'14.6" E	Low	
ESP-DKT-1135 Purok 16 waiting shed 8°39'24.8" N 125°40'38.2" E	Low	
ESP-DKT-1136 Residence in Purok 14 8°38'47.7" N 125°40'23.8" E	Low	
ESP-DKT-1137 Along the road in Purok 14 8°38'47.1" N 125°40'23.8" E	Low	

ESP-DKT-1138 Purok 14 waiting shed 8°39'0.5" N 125°40'23.1" E	Low	No landslide component mapped.
ESP-DKT-1139 Purok 6 waiting shed 8°38'52.2" N 125°40'39.5" E	Low	
ESP-DKT-1140 Purok 7 waiting shed 8°40'14.5" N 125°40'30.4" E	Low	
ESP-DKT-1141 Residence in Purok 13 8°40'9.7" N 125°40'47.4" E	Low	
ESP-DKT-1142 Along the road in Purok 13 8°40'5.4" N 125°40'46.5" E	Low	
ESP-DKT-1143 Along the road in Purok 13 8°40'5.9" N 125°40'46.6" E	Low	
ESP-DKT-1144 Purok 13 waiting shed 8°40'4.4" N 125°40'46.1" E	Low	
ESP-DKT-1145 Purok 12 waiting shed 8°39'51.5" N 125°40'36.7" E	Low	
ESP-DKT-1146 Purok 4 waiting shed 8°39'54.2" N 125°40'20" E	Low	
ESP-DKT-1147 Purok 2 waiting shed 8°39'56.7" N 125°40'51.1" E	Low	
ESP-DKT-1148 Purok 3 waiting shed 8°40'16.6" N 125°41'25.5" E	Low	
ESP-DKT-1149 Purok 10 waiting shed 8°40'8" N 125°41'15.2" E	Low	
ESP-DKT-1150 Dakutan Elementary School 8°39'59.1" N 125°40'54.2" E	Low	
Barangay Duangan		
ESP-DNG-13 Residential area in Purok 1	High	Houses are located on the foot of moderate to steep slopes. Tilting of trees and soil creep were observed.

8°36'55.6" N 125°43'25.6" E		Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-DNG-09 Residential, Agricultural Area in Purok 6 8°36'45.3" N 125°42'53" E	Moderate	Houses are located on the foot of moderate to steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-DNG-10 Residential area in Purok 5 8°37'4.5" N 125°43'5.6" E	Moderate	
ESP-DNG-11 Residential area in Purok 5 8°37'4.5" N 125°43'5.8" E	Moderate	
ESP-DNG-12 Residential area in Purok 5 8°37'6.4" N 125°43'21.8" E	Moderate	
ESP-DNG-01 Residential area in Purok 2 8°36'44.2" N 125°43'46.5" E	Low	The area has a relatively flat to gently rolling topography. No landslide component mapped.
ESP-DNG-02 Residential area in Purok 2 8°36'44.7" N 125°43'46.5" E	Low	
ESP-DNG-03 Residential area in Purok 5 8°37'7.8" N 125°43'11.3" E	Low	
ESP-DNG-04 Residential area in Purok 5 8°37'1.1" N 125°42'59.8" E	Low	
ESP-DNG-05 Residential, Agricultural Area in Purok 6 8°36'48" N 125°42'57.5" E	Low	
ESP-DNG-06 Residential, Agricultural Area in Purok 6 8°36'37.6" N 125°42'49.6" E	Low	
ESP-DNG-07 Residential, Agricultural Area in Purok 6 8°36'34.3" N 125°42'49.1" E	Low	

ESP-DNG-08 Residential, Agricultural Area in Purok 6 8°36'34.2" N 125°42'48.6" E	Low	The area has a relatively flat to gently rolling topography. No landslide component mapped.
ESP-DNG-14 Residential, Agricultural Area in Purok 1 8°36'50.8" N 125°43'40.2" E	Low	
ESP-DNG-15 Residential, Agricultural Area in Purok 1 8°36'53.7" N 125°43'41.6" E	Low	
ESP-DNG-16 Residential area in Purok 4 8°36'43.2" N 125°43'50.3" E	Low	
ESP-DNG-17 Residential area in Purok 4 8°36'40.1" N 125°43'48.5" E	Low	
ESP-DNG-18 Residential area in Purok 4 8°36'38.7" N 125°43'50.7" E	Low	
ESP-DNG-19 Residential area in Purok 7 8°36'38.1" N 125°43'51.3" E	Low	
ESP-DNG-20 Residential area in Purok 7 8°36'37.6" N 125°43'51.7" E	Low	
ESP-DNG-21 Residential area in Purok 7 8°36'36" N 125°43'51.6" E	Low	
ESP-DNG-22 Residential area in Purok 7 8°36'33.7" N 125°43'52.1" E	Low	
ESP-DNG-23 Residential area in Purok 7 8°36'37.2" N 125°43'48" E	Low	
ESP-DNG-24 Residential area in Purok 3 8°36'40.3" N 125°43'46.1" E	Low	

ESP-DNG-25 Agricultural Area in Purok 6 8°36'18.7" N 125°42'45.7" E	Low	The area has a relatively flat to gently rolling topography. No landslide component mapped.
Barangay Guadalupe		
ESP-GDL-04 Residential, Agricultural area in Purok 13 8°34'20.6" N 125°42'57.4" E	Moderate	The area is situated on a gently rolling to moderate steep slope. The slope exhibits soil creep. Recommendation: Houses at the base of the slope must be relocated.
ESP-GDL-05 Residential, Agricultural area in Purok 13 8°34'19" N 125°42'57.3" E	Moderate	
ESP-GDL-16 Agricultural area in Purok 14 8°34'40.5" N 125°42'40.1" E	Moderate	
ESP-GDL-18 Residential, Agricultural area in Purok 1 8°34'51.7" N 125°42'37.4" E	Moderate	
ESP-GDL-19 Residential, Agricultural area in Purok 1 8°34'53.9" N 125°42'38.2" E	Moderate	
ESP-GDL-01 Residential area in Purok 2 8°34'53.4" N 125°42'28.8" E	Low	The area has a relatively flat to gently rolling topography. No landslide component mapped.
ESP-GDL-02 Residential area in Purok 2 8°34'54.6" N 125°42'33.2" E	Low	
ESP-GDL-03 Residential area in Purok 14 8°34'43.9" N 125°42'38" E	Low	
ESP-GDL-06 Residential, Agricultural area in Purok 15 8°33'56.1" N 125°42'55.8" E	Low	
ESP-GDL-07 Residential, Agricultural area in Purok 15 8°33'56.5" N 125°42'55.1" E	Low	

ESP-GDL-08 Agricultural area in Purok12 8°33'33.8" N 125°42'41.6" E	Low	The area has a relatively flat to gently rolling topography. No landslide component mapped.
ESP-GDL-09 Agricultural area in Purok 12 8°33'37.9" N 125°42'37.3" E	Low	
ESP-GDL-10 Agricultural area in Purok 12 8°33'48.5" N 125°42'34.3" E	Low	
ESP-GDL-11 Agricultural area in Purok 12 8°33'55.4" N 125°42'29.5" E	Low	
ESP-GDL-12 Agricultural area in Purok 12 8°33'51.1" N 125°42'24" E	Low	
ESP-GDL-13 Agricultural area in Purok 13 8°34'12.8" N 125°42'49.2" E	Low	
ESP-GDL-14 Agricultural area in Purok 14 8°34'37.3" N 125°42'40.5" E	Low	
ESP-GDL-15 Agricultural area in Purok 14 8°34'41.1" N 125°42'25.4" E	Low	
ESP-GDL-17 Residential, Agricultural area in Purok 1 8°34'39.8" N 125°42'39.6" E	Low	
ESP-GDL-20 Residential, Agricultural area in Purok 4 8°35'25.8" N 125°42'34.1" E	Low	
ESP-GDL-21 Residential, Agricultural area in Purok 5 8°35'38.9" N 125°42'35.3" E	Low	
ESP-GDL-22 Residential, Agricultural area in Purok 6 8°35'49.3" N 125°42'37.2" E	Low	

ESP-GDL-23 Residential, Agricultural area in Purok 7 8°36'12.5" N 125°42'45.1" E	Low	The area has a relatively flat to gently rolling topography. No landslide component mapped.
ESP-GDL-24 Residential area in Purok 3 8°34'56.8" N 125°42'21.5" E	Low	
ESP-GDL-25 Residential area in Purok 3 8°34'55.6" N 125°42'19.6" E	Low	
ESP-GDL-26 Residential, Agricultural area in Purok 9 8°34'43.7" N 125°42'14.7" E	Low	
ESP-GDL-27 Residential, Agricultural area in Purok 9 8°34'40.2" N 125°42'7.9" E	Low	
ESP-GDL-28 Residential, Agricultural area in Purok 9 8°34'35.2" N 125°42'1.8" E	Low	
ESP-GDL-29 Residential, Agricultural area in Purok 10 8°34'33.4" N 125°41'48.6" E	Low	
ESP-GDL-30 Residential, Agricultural area in Purok 10 8°34'27" N 125°41'37.2" E	Low	
ESP-GDL-31 Residential, Agricultural area in Purok 10 8°34'22.8" N 125°41'30.4" E	Low	
ESP-GDL-32 Agricultural area in Purok 10 8°34'9.3" N 125°41'39.4" E	Low	
ESP-GDL-33 Agricultural area in Purok 10 8°34'8.3" N 125°41'40.9" E	Low	
ESP-GDL-34 Agricultural area in Purok 10 8°33'57.6" N 125°41'36.8" E	Low	

ESP-GDL-35 Residential area in Purok 2 8°33'51.3" N 125°41'35.6" E	Low	The area has a relatively flat to gently rolling topography. No landslide component mapped.
Barangay Guibonon		
ESP-GBN-436 Along road in Purok 1 8°36'43" N 125°20'56" E	High	No landslide reported but the area is situated on a very steep slope composed of clayey soil. Recommendations: Discourage future habitation and construction of government structures in known/identified landslide prone areas (steep slopes, mid-slopes and foot slopes of mountains and hills). Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.
ESP-GBN-437 Along road in Purok 1 8°36'43" N 125°20'57.1" E	High	
ESP-GBN-438 Along road in Purok 1 8°36'42.3" N 125°20'59.9" E	High	
ESP-GBN-439 Along road in Purok 1 8°36'45.3" N 125°21'5.4" E	High	
ESP-GBN-440 Along road in Purok 1 8°36'46.1" N 125°21'7" E	High	
ESP-GBN-441 Along road in Purok 1 8°36'46.8" N 125°21'8.2" E	High	
ESP-GBN-442 Along road in Purok 1 8°36'50.3" N 125°21'5.9" E	High	
ESP-GBN-427 Along road in Purok 1 8°37'1.7" N 125°21'25.6" E	Moderate	No landslide reported but the area is situated on a moderate to steep slopes. Recommendation: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.
ESP-GBN-428 Along road in Purok 1 8°36'59.1" N 125°21'23.9" E	Moderate	
ESP-GBN-429 Along road in Purok 1 8°36'58.1" N 125°21'23" E	Moderate	
ESP-GBN-430 Along road in Purok 1 8°36'56.5" N 125°21'20.3" E	Moderate	
ESP-GBN-431 Along road in Purok 1 8°36'55.1" N 125°21'18" E	Moderate	
ESP-GBN-432 Community area in Purok 1 8°36'46.7" N 125°20'51.4" E	Low	Approximately 3 days walk to reach the puroks going SE direction. An occurrence of landslide on the road and on farmlands of the said area was reported. Recommendations: Develop an early warning system (e.g.,

		signage). Discourage future habitation and construction of government structures in known/identified landslide prone areas (steep slopes, mid-slopes and foot slopes of mountains and hills). Consult Municipal Assessor's Office for re-assessment of destroyed farmlands. Constant communication and updates within the barangay and with nearby barangays about geohazard situations
ESP-GBN-433 Community area in Purok 1 8°36'46.7" N 125°20'51.4" E	Low	No landslide/mass movement component mapped.
ESP-GBN-434 Community area in Purok 1 8°36'46.7" N 125°20'51.4" E	Low	
ESP-GBN-435 Community area in Purok 1 8°36'44.2" N 125°20'52" E	Low	
Barangay Hawilian		
ESP-HWL-1192 Residences in Purok 2 8°40'0" N 125°38'17.6" E	Low	No landslide component mapped.
ESP-HWL-1193 Purok 3 waiting shed 8°40'0.2" N 125°38'16.7" E	Low	
ESP-HWL-1194 Purok 7 waiting shed 8°38'26.7" N 125°36'26.3" E	Low	
ESP-HWL-1195 Along the road in Purok 7 8°38'34" N 125°36'33.5" E	Low	
ESP-HWL-1196 Along the road in Purok 7 8°38'42.1" N 125°36'38.1" E	Low	
ESP-HWL-1197 Along the road in Purok 7 8°38'50.1" N 125°36'42.3" E	Low	
ESP-HWL-1198 Along the road in Purok 4 8°38'53.4" N 125°36'36.3" E	Low	
ESP-HWL-1199 Along the road in Purok 4 8°39'7.8" N 125°36'42.5" E	Low	

ESP-HWL-1200 Along the road in Purok 4 8°39'16.2" N 125°36'54.2" E	Low	No landslide component mapped.
ESP-HWL-1201 Along the road in Purok 4 8°39'24.4" N 125°37'5.2" E	Low	
ESP-HWL-1202 Along the road in Purok 4 8°39'39.1" N 125°37'12.6" E	Low	
ESP-HWL-1203 Along the road in Purok 4 8°39'49.4" N 125°37'31.5" E	Low	
ESP-HWL-1204 Along the road in Purok 4 8°39'55.4" N 125°37'43.1" E	Low	
ESP-HWL-1205 Hawilian River in Purok 4 8°39'56.4" N 125°37'47.7" E	Low	
ESP-HWL-1206 Residence in Purok 4 8°39'56.2" N 125°37'43.5" E	Low	
ESP-HWL-1207 Along the road in Purok 4 8°40'3.3" N 125°37'42" E	Low	
ESP-HWL-1208 Hawilian National High School 8°40'7.9" N 125°37'35.6" E	Low	
ESP-HWL-1209 Purok 8 proper 8°40'13.5" N 125°38'1.8" E	Low	
ESP-HWL-1210 Hawilian Elementary School 8°40'18.8" N 125°38'14" E	Low	
ESP-HWL-1211 Residence in Purok 1 8°40'20.7" N 125°38'21.1" E	Low	

ESP-HWL-1212 Purok 6 waiting shed 8°40'47.9" N 125°38'3.9" E	Low	No landslide component mapped.
ESP-HWL-1213 Purok 5 waiting shed 8°40'7.2" N 125°38'25.7" E	Low	
ESP-HWL-1214 Hawilian Day Care Center 8°40'2.9" N 125°38'21" E	Low	
ESP-HWL-1215 Residence in Purok 3 8°39'57.1" N 125°38'19.3" E	Low	
ESP-HWL-1216 Hawilian Muti-purpose Social Hall 8°40'2.4" N 125°38'21.7" E	Low	
ESP-HWL-1217 Hawilian Barangay Hall 8°40'2.7" N 125°38'9.4" E	Low	
Barangay Kalabuan		
ESP-KLB-01 Purok 2 8°36'46.7" N 125°21'8.1" E	High	<p>The area is located on top of a slightly elevated ridge, 350 meters above sea level. Both sides are bounded by very steep slopes approximately 80 meters high. A thick layer of loose soil materials was observed along with several indications of mass movement such as tilted trees and soil creep.</p> <p>Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Residents must also consider relocation, whenever necessary.</p>
ESP-KLB-02 Purok 2 8°36'51.9" N 125°21'5.1" E	High	
ESP-KLB-03 Purok 2 8°36'57.1" N 125°21'7.7" E	High	
ESP-KLB-04 Purok 2 8°36'56.1" N 125°21'8.9" E	High	
ESP-KLB-05 Purok 2 8°36'55.4" N 125°21'9.7" E	High	
ESP-KLB-06 Purok 2 8°36'54.2" N 125°21'12.4" E	High	
ESP-KLB-07 Purok 2 8°36'54.5" N 125°21'15.3" E	High	

ESP-KLB-08 Houses on top of a very steep ridge in Purok 2 8°36'54.6" N 125°21'17" E	High	<p>The area is located on top of a slightly elevated ridge, 350 meters above sea level. Both sides are bounded by very steep slopes approximately 80 meters high. A thick layer of loose soil materials was observed along with several indications of mass movement such as tilted trees and soil creep.</p> <p>Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Residents must also consider relocation, whenever necessary.</p>
ESP-KLB-09 Purok 2 8°36'55.2" N 125°21'18.3" E	High	
ESP-KLB-10 Purok 2 8°36'57.2" N 125°21'21.8" E	High	
ESP-KLB-11 Purok 2 8°36'59.1" N 125°21'24" E	High	
ESP-KLB-12 Purok 2 8°37'2.4" N 125°21'26.1" E	High	
ESP-KLB-13 8°37'7.5" N 125°21'33.7" E	High	
ESP-KLB-14 8°37'12.3" N 125°21'37.6" E	High	
ESP-KLB-15 8°37'15.7" N 125°21'36.9" E	High	
ESP-KLB-16 Residential houses on a very steep slope in Purok 1 8°37'20.2" N 125°21'33.1" E	High	
ESP-KLB-17 Residential houses on a very steep slope in Purok 1 8°37'25.4" N 125°21'32.1" E	High	
ESP-KLB-18 Residential houses on a very steep slope in Purok 1 8°37'28.5" N 125°21'35.7" E	High	
ESP-KLB-19 Residential houses on a very steep slope in Purok 1 8°37'44.9" N 125°21'48.9" E	High	
ESP-KLB-20 Residential houses on a very steep slope in Purok 1 8°37'41.1" N	High	

125°21'54.7" E		
Barangay Kinamaybay		
ESP-KNM-1393 Tribal House in Purok 3 8°44'10.6" N 125°24'51.9" E	High	The tribal house is situated on top of a steep slope composed of highly weathered sandstone. Shallow seated debris slides were also observed at the base of the slope. Recommendation: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities.
ESP-KNM-1390 Kinamaybay Barangay Hall 8°44'9.7" N 125°24'55.9" E	Low	No landslide component mapped.
ESP-KNM-1391 Kinamaybay Health Center 8°44'9.5" N 125°24'55.5" E	Low	
ESP-KNM-1392 Kinamaybay Day Care Center 8°44'10.1" N 125°24'53.3" E	Low	
ESP-KNM-1394 Near Ujot River in Purok 3 8°44'9.3" N 125°24'45.1" E	Low	
ESP-KNM-1395 Near Ujot River in Purok 3 8°44'9.1" N 125°24'45" E	Low	
ESP-KNM-1396 Near Ujot River in Purok 3 8°44'8.8" N 125°24'44.7" E	Low	
ESP-KNM-1397 Ujot River in Purok 3 8°44'8.3" N 125°24'44.1" E	Low	
ESP-KNM-1398 Purok 3 proper 8°44'10.1" N 125°24'46.1" E	Low	
ESP-KNM-1399 Residence in Purok 3 8°44'10.3" N 125°24'49.1" E	Low	
ESP-KNM-1400 Purok 3 proper 8°44'11.1" N 125°24'55.1" E	Low	
ESP-KNM-1401 Purok 3 proper 8°44'10.9" N 125°24'56.9" E	Low	

ESP-KNM-1402 Kinamaybay Creek in Purok 1 8°44'10.1" N 125°24'56.9" E	Low	No landslide component mapped.
ESP-KNM-1403 Near Kinamaybay Creek in Purok 1 8°44'10.6" N 125°24'57.2" E	Low	
ESP-KNM-1404 Near Kinamaybay Creek in Purok 1 8°44'10.4" N 125°24'57" E	Low	
ESP-KNM-1405 Purok 1 proper 8°44'9.7" N 125°25'0.3" E	Low	
ESP-KNM-1406 Kinamaybay Elementary School 8°44'9.2" N 125°25'1.5" E	Low	
ESP-KNM-1407 Purok 1 waiting shed 8°44'9.1" N 125°25'3.9" E	Low	
ESP-KNM-1408 Purok 2 proper 8°44'7.3" N 125°25'3.7" E	Low	
ESP-KNM-1409 Purok 2 proper 8°44'6.1" N 125°25'4.1" E	Low	
ESP-KNM-1410 Purok 2 proper 8°44'4.6" N 125°25'2.8" E	Low	
ESP-KNM-1411 Purok 2 proper 8°44'4.5" N 125°25'2.8" E	Low	
ESP-KNM-1412 Kinamaybay Creek in Purok 2 8°44'4.4" N 125°25'2.5" E	Low	
ESP-KNM-1413 Purok 1 proper 8°44'11.8" N 125°25'7.2" E	Low	
ESP-KNM-1414 Purok 1 proper 8°44'13.7" N 125°25'9.3" E	Low	

ESP-KNM-1415 Kinapaitan Creek in Purok 1 8°44'15.4" N 125°25'11.3" E	Low	No landslide component mapped.
ESP-KNM-1416 Near Kinapaitan Creek in Purok 1 8°44'14.7" N 125°25'10.4" E	Low	
Barangay Labao		
ESP-LAB-181 Rice field area/open fields in Purok 3 8°37'58.4" N 125°43'5.3" E	Low	Area is flat. No landslide component mapped.
ESP-LAB-182 Rice field area/open fields in Purok 3 8°37'54.1" N 125°42'59.3" E	Low	
ESP-LAB-183 Rice field area/open fields in Purok 3 8°37'48.5" N 125°42'49.7" E	Low	
ESP-LAB-184 Barangay Hall of Labao in Purok 2 8°37'44.7" N 125°42'45.7" E	Low	
ESP-LAB-185 Minaslat Creek in Purok 3 8°37'44" N 125°42'48" E	Low	
ESP-LAB-186 Purok 3 proper 8°37'41.8" N 125°42'50.5" E	Low	
ESP-LAB-187 Purok 3 proper 8°37'39.9" N 125°42'52.8" E	Low	
ESP-LAB-188 Purok 3 proper 8°37'38.2" N 125°42'54.4" E	Low	
ESP-LAB-189 Near Minaslat Creek in Purok 3 8°37'38" N 125°42'56.9" E	Low	
ESP-LAB-190 Purok 4 proper 8°37'35.1" N 125°42'56.6" E	Low	

ESP-LAB-191 Barangay Evacuation Center 8°37'37.9" N 125°42'49.4" E	Low	Area is flat. No landslide component mapped.
ESP-LAB-192 Labao Elementary School 8°37'41.4" N 125°42'47.7" E	Low	
ESP-LAB-193 Purok 2 Proper 8°37'42.3" N 125°42'45.8" E	Low	
ESP-LAB-194 Labao Bridge in Purok 2 8°37'45.5" N 125°42'45.7" E	Low	
ESP-LAB-195 Purok 1 proper 8°37'49.4" N 125°42'44.1" E	Low	
ESP-LAB-196 Purok 2 proper 8°37'44.5" N 125°42'44" E	Low	
ESP-LAB-197 Purok 1 proper 8°37'57.3" N 125°42'44.9" E	Low	
ESP-LAB-198 Barangay Road in Purok 1 8°37'52.2" N 125°42'47.7" E	Low	
ESP-LAB-199 Barangay Road in Purok 1 8°37'49.2" N 125°42'49.6" E	Low	
ESP-LAB-200 Barangay road in Purok 4 8°37'28.7" N 125°43'6.4" E	Low	
Barangay Langag		
ESP-LNG-1 Barangay Hall of Langag 8°41'31.6" N 125°37'23.5" E	Low	Area is flat. No landslide component mapped.
ESP-LNG-10 Purok 3 proper 8°41'56.3" N 125°37'55.1" E	Low	
ESP-LNG-11 Barangay road in Purok 3 8°41'50.3" N 125°38'8" E	Low	

ESP-LNG-13 Barangay road in Purok 3 8°41'46.9" N 125°38'18.7" E	Low	Area is flat. No landslide component mapped.
ESP-LNG-14 Purok 1 proper 8°41'17.5" N 125°38'13.4" E	Low	
ESP-LNG-15 Bank of Ohot River in Purok 1 8°41'18.5" N 125°38'22.4" E	Low	
ESP-LNG-16 Ohot River in Purok 1 8°41'18.8" N 125°38'24.5" E	Low	
ESP-LNG-17 Barangay road in Purok 1 8°41'18.9" N 125°38'24.1" E	Low	
ESP-LNG-18 Barangay road in Purok 1 8°41'23.2" N 125°38'24.7" E	Low	
ESP-LNG-19 Purok 2 proper 8°41'29.3" N 125°38'33.9" E	Low	
ESP-LNG-2 Purok 4 proper 8°41'35.9" N 125°37'23.5" E	Low	
ESP-LNG-20 Floodplain of Agusan River in Purok 2 8°41'29" N 125°38'36.2" E	Low	
ESP-LNG-21 Floodplain of Agusan River in Purok 2 8°41'28.1" N 125°38'36.3" E	Low	
ESP-LNG-22 Floodplain of Agusan River in Purok 2 8°41'29.5" N 125°38'38.2" E	Low	
ESP-LNG-23 Bank of Agusan River in Purok 2 8°41'29.6" N 125°38'41.8" E	Low	

ESP-LNG-24 Floodplain of Agusan River in Purok 2 8°41'44.5" N 125°38'29.8" E	Low	Area is flat. No landslide component mapped.
ESP-LNG-25 Purok 7 Waiting shed 8°41'17.6" N 125°37'36" E	Low	
ESP-LNG-26 Purok 7 proper 8°41'16.5" N 125°37'35.2" E	Low	
ESP-LNG-3 Purok 6 proper 8°41'31.6" N 125°37'20.1" E	Low	
ESP-LNG-4 Langag Elementary School 8°41'29.2" N 125°37'25.9" E	Low	
ESP-LNG-5 Bank of Ohot River in Purok 5 8°41'25.6" N 125°37'27.7" E	Low	
ESP-LNG-6 Ohot River in Purok 5 8°41'25.7" N 125°37'29" E	Low	
ESP-LNG-7 Ohot Riverbank in Purok 5 8°41'25.9" N 125°37'28.7" E	Low	
ESP-LNG-8 Barangay road in Purok 3 8°41'41.5" N 125°37'34.3" E	Low	
ESP-LNG-9 Barangay road in Purok 3 8°41'50.3" N 125°37'44.9" E	Low	
Barangay Maasin		
ESP-MSN-171 Barangay road of Maasin in Purok 7 8°41'16.3" N 125°28'52.3" E	High	Barangay road of Maasin. Located on steep slopes with both active and relic landslide. Road is approximately 10 to 15 meters from edge of slope. Recommendations: Observe for and/or monitor for presence of mass movement and report to MGB/municipal authorities (e.g. landslide, tension cracks). Constant communication and updates with Brgy. Maasin on geohazard situation. Discourage future settlement along this area.
ESP-MSN-173 Barangay road of Maasin in Purok 7	High	Barangay road of Maasin. Located on steep slopes with both active and relic landslide. Road is approximately 5 meters from edge of slope.

8°41'46" N 125°28'49.9" E		Recommendations: Observe for and/or monitor for presence of mass movement and report to MGB/municipal authorities (e.g. landslide, tension cracks). Constant communication and updates with Brgy. Maasin on geohazard situation. Discourage future settlement along this area.
ESP-MSN-172 Barangay road of Maasin in Purok 7 8°41'32" N 125°28'53.2" E	High	Barangay road of Maasin. Located on steep slopes with both active and relic landslide. Road is approximately 6-8 meters from edge of slope. Recommendations: Observe for and/or monitor for presence of mass movement and report to MGB/municipal authorities (e.g. landslide, tension cracks). Constant communication and updates with Brgy. Maasin on geohazard situation. Discourage future settlement along this area.
ESP-MSN-168 Barangay road of Maasin in Purok 7 8°41'6.6" N 125°28'44.3" E	Moderate	Barangay road of Maasin. Area situated on moderately steep slopes. Minor landslides were observed adjacent to the area. Recommendations: Observe for and/or monitor for presence of mass movement and report to MGB/municipal authorities (e.g. landslide, tension cracks). Constant communication and updates with Brgy. Maasin on geohazard situation. Discourage future settlement along this area.
ESP-MSN-169 Barangay road of Maasin in Purok 7 8°41'7.9" N 125°28'47.7" E	Moderate	
ESP-MSN-170 Barangay road of Maasin in Purok 7 8°41'11.2" N 125°28'53.9" E	Moderate	
ESP-MSN-159 Ohot and Agsabo River confluence 8°40'55.8" N 125°28'29.6" E	Low	Area is situated on a flat terrain. No landslide component mapped.
ESP-MSN-158 Barangay Hall of Maasin 8°40'58.4" N 125°28'32.4" E	Low	Barangay Hall of Maasin. Area is situated on a flat terrain. No landslide component mapped.
ESP-MSN-167 Barangay road of Maasin in Purok 7 8°41'2.6" N 125°28'33.8" E	Low	Barangay road of Maasin. Area situated on a flat terrain. No landslide component mapped.
ESP-MSN-166 Maasin Elementary School 8°41'4.3" N 125°28'36.1" E	Low	Maasin Elementary School. No landslide component mapped.
ESP-MSN-160 Purok 4 proper 8°40'57.9" N 125°28'33.9" E	Low	Purok 4 proper. Area is elevated and flat. No landslide component mapped.
ESP-MSN-161 Purok 4 proper 8°40'58.6" N 125°28'34.5" E	Low	

ESP-MSN-162 Purok 4 proper 8°40'58.6" N 125°28'36.1" E	Low	Purok 4 proper. Area is elevated and flat. No landslide component mapped.
ESP-MSN-163 Purok 3 proper 8°40'59.9" N 125°28'36" E	Low	
ESP-MSN-164 Purok 1 proper 8°41'2.1" N 125°28'32.4" E	Low	
ESP-MSN-165 Purok 1 proper 8°41'1.3" N 125°28'31.6" E	Low	
ESP-MSN-174 Purok 5 proper 8°42'12.5" N 125°28'40.1" E	Low	Purok 5 proper. Area located on top of a flat terrain. No landslide component mapped.
ESP-MSN-175 Purok 5 proper 8°42'19.7" N 125°28'43.2" E	Low	
ESP-MSN-177 Purok 5 proper 8°42'21.2" N 125°28'47" E	Low	
ESP-MSN-176 San Jose Elementary School 8°42'22.4" N 125°28'40.1" E	Low	San Jose Elementary School. Area is situated on top of an elevated terrain. No landslide component mapped.
Barangay Mac-Arthur		
ESP-MCR-275 Mac Arthur Barangay Hall 8°35'10.3" N 125°44'26.3" E	Very High	Identified at least 5 tension cracks in the whole barangay area trending SSW with a length of 25 to 30 meters that occurred in the past two years.
ESP-MCR-276 Mac Arthur Barangay Hall Area 8°35'10" N 125°44'25.9" E	Very High	Recommendations: Develop an early warning system (e.g., signage). Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Relocate houses and other structures to safer areas and away from landslide and flood-prone areas especially if tension cracks become larger and soil movement/landslide continues. Identify/finalize relocation site area to be assessed later by MGB personnel. Discourage future habitation and construction of government structures in known/identified landslide and flood-prone areas (steep slopes, mid-slopes and foot slopes of mountains and hills, along rivers and creeks). Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities.
ESP-MCR-277 Datu Mankumbate Elementary School 8°35'10" N 125°44'24.7" E	Very High	
ESP-MCR-278 Purok 1 Community area 8°35'10" N 125°44'27.6" E	Very High	
ESP-MCR-279 Purok 1 Community area 8°35'6.9" N 125°44'27.5" E	Very High	

ESP-MCR-280 Purok 1 Community area 8°35'7.4" N 125°44'26" E	Very High	<p>Identified at least 5 tension cracks in the whole barangay area trending SSW with a length of 25 to 30 meters that occurred in the past two years.</p> <p>Recommendations: Develop an early warning system (e.g., signage). Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Relocate houses and other structures to safer areas and away from landslide and flood-prone areas especially if tension cracks become larger and soil movement/landslide continues. Identify/finalize relocation site area to be assessed later by MGB personnel. Discourage future habitation and construction of government structures in known/identified landslide and flood-prone areas (steep slopes, mid-slopes and foot slopes of mountains and hills, along rivers and creeks). Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities.</p>	
ESP-MCR-281 Waiting shed in Purok 3 8°35'6" N 125°44'25.8" E	Very High		
ESP-MCR-282 Purok 3 community area 8°35'5" N 125°44'25.9" E	Very High		
ESP-MCR-283 Purok 3 community area 8°35'3.9" N 125°44'24.7" E	Very High		
ESP-MCR-284 Purok 2 Barangay Captain's house 8°35'6.7" N 125°44'6.4" E	Very High		
ESP-MCR-285 Along the road in Purok 2 8°35'6.3" N 125°44'8.1" E	Very High		
ESP-MCR-286 Along the road in Purok 2 8°35'7" N 125°44'11.9" E	Very High		
ESP-MCR-287 Along the road in Purok 2 8°35'6.7" N 125°44'16.3" E	Very High		
ESP-MCR-288 Waiting shed in Purok 2 8°35'8.7" N 125°44'24.7" E	Very High		
ESP-MCR-289 Along the road in Purok 3 8°35'39.5" N 125°44'33" E	Very High		
ESP-MCR-290 Waiting shed in Purok 1 8°35'9.8" N 125°44'28.8" E	Very High		
ESP-MCR-291 Along the Road in Purok 1 8°35'30.8" N 125°44'44.3" E	High		<p>Road is situated in a steep slope with highly weathered soil.</p>
ESP-MCR-292 Along the Road in Purok 1 8°35'30.6" N 125°44'48.7" E	High		<p>Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Develop an early warning system (e.g., signage).</p>

ESP-MCR-293 Along the Road in Purok 1 8°35'18.7" N 125°44'42.3" E	High	Road is situated in a steep slope with highly weathered soil. Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Develop an early warning system (e.g., signage).
ESP-MCR-294 Along the Road in Purok 1 8°35'12.7" N 125°44'38.3" E	High	
Barangay Mahagcot		
ESP-MGT-114 Barangay Hall of Mahagcot 8°41'12.1" N 125°41'21.2" E	Low	Area is relatively flat. No landslide component mapped.
ESP-MGT-115 Purok 8 proper 8°41'49.7" N 125°41'51.8" E	Low	
ESP-MGT-116 Adjacent to Wawa River in Purok 8 8°41'49.5" N 125°41'52.6" E	Low	
ESP-MGT-117 Bank of Wawa River in Purok 8 8°41'49.7" N 125°41'53" E	Low	
ESP-MGT-118 Bank of Wawa River in Purok 8 8°41'42.6" N 125°41'50.6" E	Low	
ESP-MGT-119 Floodplain of Wawa River in Purok 8 8°41'34.1" N 125°41'50.5" E	Low	
ESP-MGT-120 Floodplain of Wawa River in Purok 6 8°41'29" N 125°41'48.2" E	Low	
ESP-MGT-121 Imelda Elementary School in Purok 6 8°41'20.1" N 125°41'32.5" E	Low	
ESP-MGT-122 Purok 7 proper 8°41'32.7" N 125°41'28.2" E	Low	
ESP-MGT-123 Purok 6 proper 8°41'18.7" N 125°41'26.5" E	Low	

ESP-MGT-124 Purok 5 proper 8°41'10.7" N 125°41'15.7" E	Low	Area is relatively flat. No landslide component mapped.
ESP-MGT-125 Purok 4 proper 8°41'6.7" N 125°41'18.7" E	Low	
ESP-MGT-126 Wawa River in Purok 2 8°40'45.7" N 125°41'21.7" E	Low	
ESP-MGT-127 Floodplain of Wawa River in Purok 2 8°40'46.3" N 125°41'19.2" E	Low	
ESP-MGT-128 Purok 2 proper 8°40'50" N 125°41'18.1" E	Low	
ESP-MGT-129 Purok 3 proper 8°40'58.5" N 125°41'18" E	Low	
ESP-MGT-130 Purok 3 proper 8°41'12.3" N 125°41'10.5" E	Low	
ESP-MGT-131 Purok 1 proper 8°41'11.8" N 125°41'3" E	Low	
ESP-MGT-132 Purok 1 proper 8°41'10.3" N 125°40'58.4" E	Low	
Barangay Maliwanag		
ESP-MWG-161 Trail to Barangay Maliwanag Proper in Purok 2 8°32'4.5" N 125°31'49" E	High	Trail to Barangay Maliwanag Proper. Situated on steep slopes. Rill erosion is active. Minor landslides were observed adjacent of the area. Recommendations: Observe for and/or monitor for presence of mass movement and report to MGB/municipal authorities (e.g. landslide, tension cracks). Constant communication and updates with Brgy. Maliwanag on geohazard situation. Discourage future settlement along this area.
ESP-MWG-162 Trail to Barangay Maliwanag Proper in Purok 2 8°32'30.5" N 125°31'48" E	High	
ESP-MWG-163 Trail to Barangay Maliwanag Proper in Purok 2 8°32'9.6" N 125°31'50.5" E	High	

ESP-MWG-164 Trail to Barangay Maliwanag Proper in Purok 2 8°31'50.8" N 125°31'49.9" E	High	Trail to Barangay Maliwanag Proper. Situated on steep slopes. Rill erosion is active. Minor landslides were observed adjacent of the area. Recommendations: Observe for and/or monitor for presence of mass movement and report to MGB/municipal authorities (e.g. landslide, tension cracks). Constant communication and updates with Brgy. Maliwanag on geohazard situation. Discourage future settlement along this area.
ESP-MWG-165 Trail to Barangay Maliwanag Proper in Purok 2 8°31'55.1" N 125°31'49" E	High	
ESP-MWG-166 Trail to Barangay Maliwanag Proper in Purok 2 8°31'59.1" N 125°31'46.9" E	High	
ESP-MWG-146 Purok 1 8°32'17.6" N 125°31'36.1" E	High	
ESP-MWG-147 Purok 1 8°32'12" N 125°31'37.5" E	High	
ESP-MWG-148 Purok 1 8°32'11.8" N 125°31'39.9" E	High	
ESP-MWG-149 Purok 2 8°32'5.1" N 125°31'42" E	High	
ESP-MWG-150 Purok 2 8°32'1.2" N 125°31'42" E	High	
ESP-MWG-151 Purok 2 8°31'56" N 125°31'43.7" E	High	
ESP-MWG-145 Purok 1 8°32'25.9" N 125°31'35.7" E	Low	
ESP-MWG-152 Purok 2 8°31'52.5" N 125°31'47.4" E		
ESP-MWG-154 Barangay Hall 8°31'46.8" N 125°31'49.9" E	Low	Barangay Hall. Situated on a higher elevation. Area is relatively flat. Frequently used as evacuation center. No landslide component mapped.
ESP-MWG-153 Barangay Proper 8°31'49.7" N 125°31'49.7" E	Low	Barangay Proper. Situated on a higher elevation. Area is relatively flat. No landslide component mapped.
ESP-MWG-155	Low	Maliwanag Elementary School. Situated on a higher elevation. Area

Maliwanag Elementary School 8°31'44.9" N 125°31'49.6" E		is relatively flat. Frequently used as evacuation center. No landslide component mapped.
Barangay Milagros		
ESP-MLG-15 Purok 4 8°38'1.7" N 125°34'56.7" E	High	A long stretch of very steep slope facing NW was observed along the road. Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Avoid habitation in this area.
ESP-MLG-16 Purok 4 8°37'54.7" N 125°34'58.5" E	High	
ESP-MLG-17 Purok 4 8°37'51.7" N 125°34'58.2" E	High	
ESP-MLG-03 Houses near the foot of a slope in Purok 3 8°38'2.6" N 125°34'48.2" E	High	A very steep slope approximately 50 meters high was observed along the road. Six houses were identified to lie just a few meters at the foot of the slope. Recommendation: Owners of these houses must consider relocation anytime soon.
ESP-MLG-01 Houses along the road in Purok 7 8°37'55.2" N 125°34'43.4" E	High	Two very steep slopes approximately 20 meters high were observed along the road. These slopes face each other to the north and south. Recommendation: Avoid habitation at the foot of the slope.
ESP-MLG-02 Purok 3 8°38'4.8" N 125°34'49" E	Low	Gently undulating terrain. No landslide component mapped.
ESP-MLG-04 Flat area bounded by steep slopes to the NW in Purok 3 8°38'3.3" N 125°34'48.7" E	Low	
ESP-MLG-05 Residential areas proximate to the river in Purok 1 8°38'10.7" N 125°34'49.7" E	Low	
ESP-MLG-06 Residential areas proximate to the river in Purok 1 8°38'12" N 125°34'49.2" E	Low	
ESP-MLG-07 Residential areas proximate to the river in Purok 1 8°38'12.5" N 125°34'49" E	Low	

ESP-MLG-08 Residential areas proximate to the river in Purok 1 8°38'13.6" N 125°34'48.9" E	Low	Gently undulating terrain. No landslide component mapped.
ESP-MLG-09 Residential areas proximate to the river in Purok 2 8°38'16.5" N 125°34'50.4" E	Low	
ESP-MLG-10 Residential areas proximate to the river in Purok 2 8°38'17.6" N 125°34'48.7" E	Low	
ESP-MLG-11 Residential areas proximate to the river in Purok 2 8°38'19.4" N 125°34'49.9" E	Low	
ESP-MLG-12 Residential areas proximate to the river 8°38'16.7" N 125°34'50.4" E	Low	
ESP-MLG-13 Along the road with very steep slope to the SE in Purok 4 8°38'7.9" N 125°34'54.6" E	Low	
ESP-MLG-14 Purok 4 8°38'5.6" N 125°34'55.5" E	Low	
ESP-MLG-18 Purok 5 8°37'45.2" N 125°35'14.4" E	Low	
ESP-MLG-19 Purok 5 8°37'44.3" N 125°35'18" E	Low	
ESP-MLG-20 Purok 5 8°37'46" N 125°35'25.4" E	Low	
Barangay Nato		
ESP-NTO-11 Residential area in Purok 4 8°38'54.9" N 125°38'32.2" E	High	<p>A very steep slope approximately 15M high was observed along the road. A number of houses are located at the foot of the slope. Signs of mass movement such as soil creep, and tilted trees were observed.</p> <p>Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks); Observed for</p>

		saturated ground or seeps and sunken or displaced road surfaces and report to the MGB/municipal authorities. Residents are advised to relocate, whenever necessary.
ESP-NTO-19 Residential area in Purok 1 8°38'57.6" N 125°38'29.3" E	Moderate	A very steep slope approximately 15M high was observed at the back of Nato Elementary School. A thick layer of loose soil materials were observed. Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks); Observed for saturated ground or seeps and sunken or displaced road surfaces and report to the MGB/municipal authorities.
ESP-NTO-01 Residential area in Purok 5 8°38'47.8" N 125°38'32.7" E	Low	No landslide components observed as of this time of writing.
ESP-NTO-02 Residential area in Purok 5 8°38'47.9" N 125°38'34.5" E	Low	
ESP-NTO-03 Agricultural area in Purok 10 8°36'55" N 125°38'14.2" E	Low	
ESP-NTO-04 Agricultural area in Purok 10 8°36'49.6" N 125°38'17.7" E	Low	
ESP-NTO-05 Residential area in Purok 9 8°37'53.3" N 125°38'56.9" E	Low	
ESP-NTO-06 Residential area in Purok 9 8°37'56.9" N 125°39'16.7" E	Low	
ESP-NTO-07 Residential area in Purok 3 8°38'55.5" N 125°38'40.9" E	Low	
ESP-NTO-08 Residential area in Purok 3 8°38'55.7" N 125°38'39.1" E	Low	
ESP-NTO-09 Residential area in Purok 4 8°38'55.8" N 125°38'36.6" E	Low	

ESP-NTO-10 Residential area in Purok 4 8°38'55.3" N 125°38'34.5" E	Low	No landslide components observed as of this time of writing.
ESP-NTO-12 Agricultural area in Purok 6 8°38'50.8" N 125°37'57.3" E	Low	
ESP-NTO-13 Agricultural area in Purok 6 8°38'50.6" N 125°37'53.7" E	Low	
ESP-NTO-14 Agricultural area in Purok 11 8°37'10.8" N 125°36'16.5" E	Low	
ESP-NTO-15 Agricultural area in Purok 11 8°37'6.8" N 125°36'17.1" E	Low	
ESP-NTO-16 Agricultural area in Purok 2 8°38'53.7" N 125°38'21.1" E	Low	
ESP-NTO-17 Residential area in Purok 2 8°38'57.1" N 125°38'27.2" E	Low	
ESP-NTO-18 Residential area in Purok 2 8°38'57.3" N 125°38'28.5" E	Low	
ESP-NTO-20 Residential area in Purok 1 8°38'59.7" N 125°38'29.3" E	Low	
ESP-NTO-21 Agricultural area in Purok 8 8°39'9.5" N 125°39'2.3" E	Low	
ESP-NTO-22 Agricultural area in Purok 8 8°39'17.6" N 125°39'6.3" E	Low	
ESP-NTO-23 Agricultural area in Purok 7 8°39'39.4" N 125°38'34.7" E	Low	

ESP-NTO-24 Agricultural area in Purok 7 8°39'39" N 125°38'33.2" E	Low	No landslide components observed as of this time of writing.
Barangay New Gingoog		
ESP-NWG-21 Agricultural area in Purok 3 8°41'0.5" N 125°35'46.5" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-NWG-09 Agricultural Area in Purok 1 8°41'0.7" N 125°35'1.4" E	High	The area is located along and at the foot of steep slopes. Recommendations: Relocation is highly recommended. Observe and monitor for presence of mass movement and report to the authorities.
ESP-NWG-10 Agricultural Area in Purok 1 8°41'1.8" N 125°34'59.9" E		
ESP-NWG-02 Residential, Agricultural Area in Purok 1 8°41'3.3" N 125°35'11.8" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for presence of mass movement and report to the authorities.
ESP-NWG-03 Residential, Agricultural Area in Purok 1 8°41'3.1" N 125°35'9.7" E	Moderate	
ESP-NWG-04 Residential, Agricultural Area in Purok 1 8°41'2.6" N 125°35'7.9" E	Moderate	
ESP-NWG-05 Residential, Agricultural Area in Purok 1 8°41'3" N 125°35'8.4" E	Moderate	
ESP-NWG-11 Residential, Agricultural Area in Purok 1 8°40'53.3" N 125°34'51.4" E	Moderate	
ESP-NWG-12 Agricultural area in Purok 1 8°40'54.9" N 125°34'53.7" E	Moderate	
ESP-NWG-18 Agricultural area in Purok 3 8°40'59.5" N 125°35'44.6" E	Moderate	

ESP-NWG-19 Agricultural area in Purok 3 8°41'1.9" N 125°35'52.9" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-NWG-20 Agricultural area in Purok 3 8°41'1.9" N 125°35'54.1" E	Moderate	
ESP-NWG-22 Residential, Agricultural Area in Purok 3 8°41'6.4" N 125°35'20.8" E	Moderate	
ESP-NWG-23 Residential, Agricultural Area in Purok 3 8°41'6.6" N 125°35'17.5" E	Moderate	
ESP-NWG-24 Residential, Agricultural Area in Purok 3 8°41'8.1" N 125°35'9.6" E	Moderate	
ESP-NWG-17 Residential, Agricultural Area in Purok 3 8°41'3.9" N 125°35'19.7" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-NWG-25 Along the road, Agricultural Area in Purok 3 8°41'43" N 125°35'25.8" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-NWG-01 Residential, Agricultural Area in Purok 1 8°41'3" N 125°35'11.7" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-NWG-06 Agricultural area in Purok 1 8°40'59.1" N 125°35'7.7" E	Low	
ESP-NWG-07 Residential, Agricultural Area in Purok 1 8°40'56.5" N 125°35'7.8" E	Low	
ESP-NWG-08 Agricultural Area in Purok 1 8°40'55.8" N 125°35'7.5" E	Low	

ESP-NWG-13 Residential, Agricultural Area in Purok 1 8°41'0.4" N 125°35'5.2" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-NWG-14 Residential, Agricultural Area in Purok 2 8°41'1.7" N 125°35'14.4" E	Low	
ESP-NWG-15 Residential, Agricultural Area in Purok 2 8°40'59.4" N 125°35'16" E	Low	
ESP-NWG-16 Residential, Agricultural Area in Purok 3 8°41'2.2" N 125°35'20.2" E	Low	
Barangay Odiong		
ESP-ODG-228 Purok 2 Community area 8°36'55.1" N 125°45'8.3" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-ODG-229 Purok 2 Foot trail 8°36'53.4" N 125°45'9.7" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-ODG-230 Purok 2 Foot trail 8°36'53.1" N 125°45'10.1" E	Moderate	
ESP-ODG-231 Purok 2 Foot trail 8°36'52.1" N 125°45'11" E	Moderate	
ESP-ODG-232 Purok 2 Foot trail 8°36'51.9" N 125°45'11.7" E	Moderate	
ESP-ODG-235 Purok 2 Community area 8°36'57.4" N 125°45'11" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-ODG-236 Purok 2 Community area 8°36'58.2" N 125°45'11.7" E	Moderate	
ESP-ODG-237 Purok 2 Community area 8°36'58.9" N 125°45'12.5" E	Moderate	
ESP-ODG-238 Purok 2 Community area 8°36'59.8" N 125°45'14.2" E	Moderate	

ESP-ODG-239 Purok 2 Community area 8°36'59.2" N 125°45'12.7" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-ODG-227 Purok 2 Along the road 8°37'10.2" N 125°45'34.1" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-ODG-233 Purok 2 Community area 8°36'55.8" N 125°45'9" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-ODG-234 Odiong Barangay Hall 8°36'56.9" N 125°45'10" E	Low	
ESP-ODG-240 Purok 2 Community area 8°36'57.2" N 125°45'9.3" E	Low	
ESP-ODG-241 Purok 1 riverside Community 8°36'57.9" N 125°45'7.7" E	Low	
ESP-ODG-242 Odiong Elementary School 8°36'59.7" N 125°45'9.9" E	Low	
ESP-ODG-243 Purok 1 Community area 8°37'0.8" N 125°45'9.3" E	Low	
ESP-ODG-244 Purok 1 Community area 8°37'1.4" N 125°45'8.6" E	Low	
ESP-ODG-245 Purok 1 Along the road 8°37'4.8" N 125°45'7.5" E	Low	
ESP-ODG-246 Purok 1 Along the road 8°37'6.8" N 125°45'6.3" E	Low	
ESP-ODG-247 Purok 1 Along the road 8°37'12.1" N 125°45'6.2" E	Low	
ESP-ODG-248 Purok 1 Along the road 8°37'14.6" N 125°45'5.9" E	Low	
ESP-ODG-249 Purok 3 Along the road 8°37'17" N 125°45'2.1" E	Low	

ESP-ODG-250 Purok 3 Community area 8°37'20.3" N 125°44'56.2" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-ODG-251 Purok 3 Community area 8°37'19.1" N 125°44'54.5" E	Low	
ESP-ODG-252 NIA Dam Odiong river 8°37'11.2" N 125°44'47.7" E	Low	
ESP-ODG-253 Purok 3 Along the road 8°37'11.1" N 125°44'44.8" E	Low	
ESP-ODG-254 Purok 3 Along the road 8°37'16.1" N 125°44'53.1" E	Low	
ESP-ODG-255 Purok 3 Community area 8°37'21.1" N 125°44'55.4" E	Low	
ESP-ODG-256 Purok 3 Along the road 8°37'26.8" N 125°44'47.9" E	Low	
Barangay Oro		
ESP-ORO-01 Residential area in Purok 5 8°35'49.7" N 125°41'12.3" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-ORO-02 Residential area in Purok 5 8°35'48.7" N 125°41'11.9" E	Low	
ESP-ORO-03 Residential area in Purok 2A 8°35'29.8" N 125°40'4.6" E	Low	
ESP-ORO-04 Residential area in Purok 2A 8°35'30.3" N 125°40'1.4" E	Low	
ESP-ORO-05 Residential, agricultural area in Purok 2B 8°35'23.9" N 125°39'58" E	Low	
ESP-ORO-06 Residential, agricultural area in Purok 2B 8°35'22" N 125°39'57.1" E	Low	

ESP-ORO-07 Residential, agricultural area in Purok 2B 8°35'16" N 125°39'53.9" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-ORO-08 Residential, agricultural area in Purok 2B 8°35'13.8" N 125°39'52.6" E	Low	
ESP-ORO-09 Residential, agricultural area in Purok 3 8°35'8.5" N 125°39'50.7" E	Low	
ESP-ORO-10 Residential, agricultural area in Purok 1A 8°35'40.6" N 125°40'49.5" E	Low	
ESP-ORO-11 Agricultural area in Purok 1A 8°35'40.3" N 125°40'51.4" E	Low	
ESP-ORO-12 Residential, agricultural area in Purok 5 8°35'42.4" N 125°40'59.1" E	Low	
ESP-ORO-13 Residential, agricultural area in Purok 4 8°35'34.8" N 125°41'15.5" E	Low	
ESP-ORO-14 Residential, agricultural area in Purok 5 8°35'46.4" N 125°41'9.2" E	Low	
ESP-ORO-15 Agricultural area in Purok 1A 8°35'38.3" N 125°40'45.8" E	Low	
ESP-ORO-16 Agricultural area in Purok 1A 8°35'35" N 125°40'37.1" E	Low	
ESP-ORO-17 Agricultural area in Purok 1A 8°35'37.5" N 125°40'28.2" E	Low	
ESP-ORO-18 Agricultural area in Purok 1A 8°35'36.3" N 125°40'23.8" E	Low	

ESP-ORO-19 Residential, agricultural area in Purok 1B 8°35'36.5" N 125°40'13" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-ORO-20 Residential, agricultural area in Purok 1B 8°35'33.9" N 125°40'7.1" E	Low	
Barangay Piglawigan		
ESP-PGL-635 Piglawigan Brgy. Hall, eco park 8°40'5.34" N 125°39'50.36" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-PGL-636 Residential area, provincial road in Purok 5 8°40'2.75" N 125°39'49.64" E	Low	
ESP-PGL-637 Residential area, provincial road in Purok 5 8°39'59.4" N 125°39'54.22" E	Low	
ESP-PGL-638 Agricultural area, flood plain in Purok 5 8°39'56.16" N 125°39'49.43" E	Low	
ESP-PGL-639 Agricultural area, flood plain in Purok 7 8°39'32.69" N 125°39'40.61" E	Low	
ESP-PGL-640 Agricultural area, flood plain in Purok 7 8°39'17.32" N 125°39'39.24" E	Low	
ESP-PGL-641 Agricultural area, present flood plain, old river channel in Purok 7 8°39'4.39" N 125°39'40.75" E	Low	
ESP-PGL-642 Agricultural area, present flood plain, old river channel in Purok 7 8°38'58.31" N 125°39'39.6" E	Low	

ESP-PGL-643 Agricultural area, present flood plain, old river channel in Purok 7 8°38'52.87" N 125°39'39.92" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-PGL-644 Agricultural area, present flood plain, old river channel in Purok 7 8°38'47" N 125°39'40.1" E	Low	
ESP-PGL-645 Agricultural area, flood plain in Purok 7 8°38'41.5" N 125°39'35.75" E	Low	
ESP-PGL-646 Agricultural area, flood plain in Purok 7 8°38'35.52" N 125°39'43.27" E	Low	
ESP-PGL-647 Agricultural area, present flood plain, old river channel in Purok 7 8°38'36.67" N 125°39'47.23" E	Low	
ESP-PGL-648 Agricultural area, present flood plain, old river channel in Purok 4 8°38'47.8" N 125°39'54.76" E	Low	
ESP-PGL-649 Agricultural area, present flood plain, old river channel in Purok 4 8°38'52.98" N 125°39'59.83" E	Low	
ESP-PGL-650 Agricultural area, present flood plain, old river channel in Purok 4 8°39'5.04" N 125°40'6.28" E	Low	
ESP-PGL-651 Agricultural area, present flood plain, old river channel in Purok 4 8°39'12.46" N 125°40'7.21" E	Low	
ESP-PGL-652 Agricultural area, flood plain in Purok 7 8°38'50.78" N 125°39'23.08" E	Low	

ESP-PGL-653 Agricultural area, flood plain in Purok 1 8°40'7.39" N 125°39'32.76" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-PGL-654 Agricultural area, flood plain in Purok 1 8°40'4.26" N 125°39'43.96" E	Low	
ESP-PGL-655 Agricultural area, flood plain in Purok 1 8°40'10.38" N 125°39'42.59" E	Low	
ESP-PGL-656 Residential area, provincial road in Purok 2 8°39'59.22" N 125°40'2.03" E	Low	
ESP-PGL-657 Agricultural area, flood plain in Purok 2 8°39'40.46" N 125°40'19.74" E	Low	
ESP-PGL-658 Agricultural area, flood plain in Purok 8 8°39'23.69" N 125°40'16.82" E	Low	
Barangay Poblacion		
ESP-PBL-610 Residential area, river bank, old terminal in Purok 5 8°40'28.52" N 125°38'34.94" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-PBL-611 Brgy. Hall, residential area, GYM, school 8°40'35.08" N 125°38'48.23" E	Low	
ESP-PBL-612 Esperanza Central Elementary School 8°40'35.72" N 125°38'48.41" E	Low	
ESP-PBL-613 Residential area, flood plain in Purok 1 8°40'44.44" N 125°38'47.58" E	Low	
ESP-PBL-614 Residential area, flood plain in Purok 1 8°40'45.62" N 125°38'51.97" E	Low	

ESP-PBL-615 Residential area, flood plain in Purok 1 8°40'43.82" N 125°38'53.52" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-PBL-616 Hospital, Residential area, flood plain in Purok 11 8°40'44.33" N 125°39'17.96" E	Low	
ESP-PBL-617 Residential area, flood plain in Purok 11 8°40'43.39" N 125°39'29.59" E	Low	
ESP-PBL-618 Residential area, flood plain in Purok 12 8°40'27.77" N 125°39'35.03" E	Low	
ESP-PBL-619 Residential area, flood plain in Purok 15 8°40'10.49" N 125°39'21.2" E	Low	
ESP-PBL-620 Residential area, flood plain in Purok 14 8°40'25.82" N 125°38'46.61" E	Low	
ESP-PBL-621 Residential area, flood plain in Purok 14 8°40'23.41" N 125°38'35.16" E	Low	
ESP-PBL-622 Residential area, flood plain in Purok 14 8°40'19.06" N 125°39'2.09" E	Low	
ESP-PBL-623 Residential area, river bank in Purok 15 8°40'8.33" N 125°39'9.83" E	Low	
ESP-PBL-624 Residential area, flood plain in Purok 9 8°40'49.19" N 125°38'48.91" E	Low	
ESP-PBL-625 Commercial area, Residential area, flood plain in Purok 10 8°40'55.78" N 125°38'46.21" E	Low	

ESP-PBL-626 Residential area, flood plain in Purok 8A 8°40'49.3" N 125°38'33.29" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-PBL-627 Residential area, flood plain in Purok 8 8°40'44.26" N 125°38'34.62" E	Low	
ESP-PBL-628 Public market, Residential area, flood plain in Purok 8 8°40'40.76" N 125°38'33.58" E	Low	
ESP-PBL-629 Residential area, river bank in Purok 6 8°40'37.42" N 125°38'29.36" E	Low	
ESP-PBL-630 Residential area, flood plain in Purok 4 8°40'34.46" N 125°38'35.77" E	Low	
ESP-PBL-631 Residential area, flood plain in Purok 2 8°40'36.8" N 125°38'40.7" E	Low	
ESP-PBL-632 Residential area, flood plain in Purok 3 8°40'31.15" N 125°38'39.12" E	Low	
ESP-PBL-633 Commercial area, Residential area, flood plain in Purok 10 8°40'47.75" N 125°38'42.76" E	Low	
ESP-PBL-634 Residential area, flood plain in Purok 11 8°40'48.9" N 125°39'28.3" E	Low	
Barangay Remedios		
ESP-REM-207 Barangay road in Purok 8 8°40'17.5" N 125°35'56" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-REM-198 Open fields/trail to Purok proper in Purok 10 8°39'16.7" N 125°36'12.1" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.

ESP-REM-197 Barangay Hall of Remedios 8°40'9.9" N 125°36'33.7" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-REM-199 Purok 7 proper 8°40'16.7" N 125°37'27.5" E	Low	
ESP-REM-200 Purok 7 proper 8°40'17.7" N 125°37'11.3" E	Low	
ESP-REM-201 Purok 5 proper 8°40'13.9" N 125°36'55.9" E	Low	
ESP-REM-202 Palayaw Creek in Purok 5 8°40'14.6" N 125°36'48" E	Low	
ESP-REM-203 Ohot River in Purok 5 8°40'28.2" N 125°36'39.8" E	Low	
ESP-REM-204 Floodplain of Ohot River in Purok 5 8°40'19.4" N 125°36'41.1" E	Low	
ESP-REM-205 Residential Area in Purok 5 8°40'15.2" N 125°36'41.5" E	Low	
ESP-REM-206 Residential Area in Purok 4 8°40'12.6" N 125°36'31" E	Low	
ESP-REM-208 Ohot River in Purok 1 8°40'8.9" N 125°36'19.6" E	Low	
ESP-REM-209 Floodplain of Ohot River in Purok 1 8°40'11.2" N 125°36'19.6" E	Low	
ESP-REM-210 Ohot River in Purok 1 8°40'24" N 125°36'18.2" E	Low	
ESP-REM-211 Purok 1 proper 8°40'3" N 125°36'25.4" E	Low	

ESP-REM-212 Remedios Elementary School 8°40'1.4" N 125°36'30" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-REM-213 Palayaw Creek in Purok 2 8°40'0.2" N 125°36'31.1" E	Low	
ESP-REM-214 Purok 2 proper 8°40'6" N 125°36'24.7" E	Low	
ESP-REM-215 Purok 2 proper 8°40'8.1" N 125°36'28.6" E	Low	
ESP-REM-216 Purok 2 proper 8°40'12.1" N 125°36'37.5" E	Low	
ESP-REM-217 Purok 2 proper 8°40'38.38" N 125°36'43.92" E	Low	
Barangay Salug		
ESP-SAL-14 Road in Purok 5 8°35'12.12" N 125°24'11.05" E	High	The area is located along and at the foot of steep slopes.
ESP-SAL-15 Road in Purok 5 8°35'42" N 125°24'24.55" E	High	Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SAL-01 Residential area in Purok 5 8°35'1.57" N 125°23'45.17" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SAL-16 Road in Purok 1A 8°36'21.35" N 125°24'46.15" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SAL-17 Road in Purok 1A 8°36'13" N 125°24'43.31" E	Low	
ESP-SAL-18 Road in Purok 1A 8°36'5.87" N 125°24'41.36" E	Low	
ESP-SAL-02 Residential area in Purok 6 8°36'43.67" N 125°24'42.48" E	Low	

ESP-SAL-03 Residential area in Purok 6 8°36'41.11" N 125°24'43.67" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>	
ESP-SAL-04 Residential area in Purok 3 8°36'37.33" N 125°24'42.26" E	Low		
ESP-SAL-05 Residential area in Purok 3 8°36'35.35" N 125°24'44.14" E	Low		
ESP-SAL-06 Residential area in Purok 3 8°36'31.57" N 125°24'46.19" E	Low		
ESP-SAL-07 Barangay Office 8°36'29.05" N 125°24'42.73" E	Low		
ESP-SAL-08 Residential area in Purok 2 8°36'28.66" N 125°24'45.4" E	Low		
ESP-SAL-09 Residential area in Purok 1A 8°36'26.1" N 125°24'44.68" E	Low		
ESP-SAL-10 School in Purok 1A 8°36'25.16" N 125°24'38.95" E	Low		
ESP-SAL-11 School in Purok 1B 8°36'29.52" N 125°24'39.49" E	Low		
ESP-SAL-12 Residential area in Purok 1B 8°36'29.23" N 125°24'36.36" E	Low		
ESP-SAL-19 Road in Purok 5 8°35'52.04" N 125°24'38.66" E	Low		<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-SAL-13 River in Purok 1B 8°36'28.66" N 125°24'27.97" E	Low		<p>The area is located along and at the foot of steep slopes.</p>
ESP-SAL-20 Agricultural area in Purok 6 8°36'49.86" N	Low	<p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>	

125°24'42.26" E		
Barangay San Isidro		
ESP-SID-1088 San Isidro Barangay Hall 8°41'55.3" N 125°40'15.7" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-SID-1089 Residence in Purok 4 8°41'52.7" N 125°40'16.4" E	Low	
ESP-SID-1090 Purok 4 waiting shed 8°41'53.8" N 125°40'17.6" E	Low	
ESP-SID-1091 San Isidro Health Center 8°41'57.2" N 125°40'15.7" E	Low	
ESP-SID-1092 Purok 1 waiting shed 8°41'56" N 125°40'16.4" E	Low	
ESP-SID-1093 Purok 2 waiting shed 8°41'53.2" N 125°40'15.1" E	Low	
ESP-SID-1094 Purok 3 waiting shed 8°41'57.3" N 125°40'14.5" E	Low	
ESP-SID-1095 Cubo Creek in Purok 3 8°41'59.2" N 125°40'15.1" E	Low	
ESP-SID-1096 Near Cubo Creek in Purok 3 8°41'59.1" N 125°40'14.6" E	Low	
ESP-SID-1097 Along the barangay road in Purok 3 8°41'57" N 125°40'10.4" E	Low	
ESP-SID-1098 Along the barangay road in Purok 3 8°41'53.8" N 125°40'2.4" E	Low	
ESP-SID-1099 Along the barangay road in Purok 3 8°41'53.7" N 125°39'56.6" E	Low	
ESP-SID-1100 Along the barangay road in Purok 3 8°41'53.8" N 125°39'48.9" E	Low	

Barangay San Jose

ESP-SNJ-292 Purok 3 Along road 8°35'41.7" N 125°45'0.4" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SNJ-302 Purok 3 Along road 8°35'40.6" N 125°45'0.7" E	Moderate	
ESP-SNJ-303 Purok 3 Along road 8°35'43" N 125°45'0.1" E	Moderate	
ESP-SNJ-304 Purok 3 Along road 8°35'44.8" N 125°44'59.4" E	Moderate	
ESP-SNJ-305 Purok 3 Community Area 8°35'47.5" N 125°44'57.5" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SNJ-306 Purok 3 along road 8°36'3.2" N 125°44'38.2" E	Moderate	
ESP-SNJ-307 Purok 3 Community Area 8°35'51.4" N 125°44'52.3" E	Moderate	
ESP-SNJ-308 Purok 3 Community Area 8°35'53.5" N 125°44'52.9" E	Moderate	
ESP-SNJ-309 Purok 3 Community Area 8°35'56.2" N 125°44'50.1" E	Moderate	
ESP-SNJ-310 Purok 3 along road 8°35'50" N 125°44'50.9" E	Moderate	
ESP-SNJ-311 Purok 3 along road 8°35'49" N 125°44'48.5" E	Moderate	
ESP-SNJ-312 Purok 3 along road 8°35'47.5" N 125°44'46.8" E	Moderate	
ESP-SNJ-313 Purok 3 along road 8°35'46.4" N 125°44'46.3" E	Moderate	
ESP-SNJ-314 Purok 3 along road	Moderate	

8°35'46.5" N 125°44'46.3" E		
ESP-SNJ-293 Purok 1 Community Area 8°35'34.6" N 125°45'3.8" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-SNJ-294 Purok 1 Community Area 8°35'34.2" N 125°45'5.4" E	Low	
ESP-SNJ-295 Purok 1 Community Area 8°35'36.2" N 125°45'6" E	Low	
ESP-SNJ-296 Purok 2 Community Area 8°35'36.9" N 125°45'4.5" E	Low	
ESP-SNJ-297 Purok 2 Community Area 8°35'37.2" N 125°45'3.8" E	Low	
ESP-SNJ-298 Purok 2 Community Area 8°35'38" N 125°45'5.4" E	Low	
ESP-SNJ-299 Purok 2 Community Area 8°35'39.3" N 125°45'6.7" E	Low	
ESP-SNJ-300 Purok 2 Along road 8°35'37.9" N 125°45'2.9" E	Low	
ESP-SNJ-301 Purok 2 Creek 8°35'39" N 125°45'2.3" E	Low	
Barangay San Toribio		
ESP-SNT-174 Purok 8 proper 8°37'58.8" N 125°45'32.4" E	High	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-SNT-158 Barangay Hall of San Toribio 8°38'30.7" N 125°44'22.5" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>

ESP-SNT-159 San Toribio Elementary School 8°38'29.3" N 125°44'23.1" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-SNT-160 Anolingán River in Purok 1 8°38'37.7" N 125°44'22.4" E	Low	
ESP-SNT-161 Barangay road in Purok 7 8°38'40" N 125°44'22.4" E	Low	
ESP-SNT-162 San Toribio National High School 8°38'43.7" N 125°44'21.1" E	Low	
ESP-SNT-163 Purok 7 proper 8°38'56.1" N 125°44'17.8" E	Low	
ESP-SNT-164 Kisay Creek in Purok 7 8°38'58.3" N 125°44'17.3" E	Low	
ESP-SNT-165 Batac Elementary School 8°39'4" N 125°43'33.2" E	Low	
ESP-SNT-166 Labao Creek in Purok 6 8°39'5.6" N 125°43'34.9" E	Low	
ESP-SNT-167 Purok 6 proper 8°39'8.8" N 125°43'35.5" E	Low	
ESP-SNT-168 Purok 2 proper 8°38'32.1" N 125°44'35.8" E	Low	
ESP-SNT-169 Purok 3 proper 8°38'32.5" N 125°44'58.5" E	Low	
ESP-SNT-170 Purok 3 proper 8°38'31.6" N 125°45'12.5" E	Low	
ESP-SNT-171 Purok 4 proper 8°38'22.2" N 125°45'23" E	Low	

ESP-SNT-172 Purok 4 proper 8°38'12" N 125°45'24.4" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-SNT-173 Purok 4 proper 8°38'4.4" N 125°45'28.4" E	Low	
ESP-SNT-175 Purok 2 proper 8°38'26.9" N 125°44'23" E	Low	
ESP-SNT-176 Open Fields/Rice fields in Purok 5 8°38'10.6" N 125°44'17.9" E	Low	
ESP-SNT-177 Open Fields/Rice fields in Purok 5 8°38'13.6" N 125°44'3.1" E	Low	
ESP-SNT-178 Open Fields/Rice fields in Purok 5 8°38'11.1" N 125°43'46.3" E	Low	
ESP-SNT-179 Open Fields/Rice fields in Purok 5 8°38'4.4" N 125°43'29.6" E	Low	
ESP-SNT-180 Open Fields/Rice fields in Purok 5 8°38'3.7" N 125°43'10.9" E	Low	
Barangay San Vicente		
ESP-SVC-1363 Near San Vicente Primary School 8°29'25.1" N 125°24'17.4" E	High	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-SVC-1364 Purok 2 proper 8°29'25.1" N 125°24'16.8" E		
ESP-SVC-1355 Purok 3 proper 8°29'13.4" N 125°24'13.6" E	High	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-SVC-1356 Purok 3 proper 8°29'12" N 125°24'11.8" E	High	
ESP-SVC-1357 Purok 3 proper 8°29'11.3" N 125°24'11.5" E	High	

ESP-SVC-1358 Purok 2 proper 8°29'18.8" N 125°24'15.7" E	High	The area is located along and at the foot of steep slopes.
ESP-SVC-1360 Purok 2 proper 8°29'23.2" N 125°24'18.8" E	High	Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SVC-1361 San Vicente Barangay Hall 8°29'24.5" N 125°24'18.6" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SVC-1353 Purok 3 proper 8°29'15.9" N 125°24'15.2" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SVC-1354 Purok 3 proper 8°29'14.5" N 125°24'14.8" E	High	
ESP-SVC-1359 Purok 2 proper 8°29'21.6" N 125°24'17.8" E	High	
ESP-SVC-1365 Purok 2 proper 8°29'25.1" N 125°24'19.4" E	High	
ESP-SVC-1366 Purok 1 proper 8°29'25.7" N 125°24'20.6" E	High	
ESP-SVC-1362 San Vicente Primary School 8°29'24.9" N 125°24'17.5" E	High	
ESP-SVC-1362 San Vicente Primary School 8°29'24.9" N 125°24'17.5" E	High	
Barangay Santa Fe		
ESP-STF-725 Residential area, barangay road, river bank in Purok 3 8°37'36.55" N 125°41'22.96" E	Very High	The area is located along and at the foot of steep slopes.
ESP-STF-726 Residential area, barangay road, river bank in Purok 3 8°37'37.09" N 125°41'24.18" E	Very High	Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-STF-713 Residential area, Brgy. Hall 8°37'36.77" N 125°41'16.3" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.

ESP-STF-714 Residential area, barangay road, Santa Fe Elementary School 8°37'35.69" N 125°41'13.27" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-STF-716 Residential area, barangay road in Purok 1 8°37'34.14" N 125°41'13.16" E	Low	
ESP-STF-717 Residential area, barangay road in Purok 1 8°37'33.74" N 125°41'10.39" E	Low	
ESP-STF-718 Residential area, barangay road in Purok 1 8°37'34.61" N 125°41'9.06" E	Low	
ESP-STF-719 Residential area, barangay road in Purok 2 8°37'32.84" N 125°41'8.27" E	Low	
ESP-STF-720 Residential area, barangay road in Purok 2 8°37'31.94" N 125°41'7.62" E	Low	
ESP-STF-721 Residential area, barangay road in Purok 2 8°37'31.66" N 125°41'10.07" E	Low	
ESP-STF-722 Residential area, barangay road in Purok 4 8°37'35.8" N 125°41'17.23" E	Low	
ESP-STF-723 Residential area, barangay road in Purok 3 8°37'35.15" N 125°41'19.82" E	Low	
ESP-STF-724 Residential area, barangay road in Purok 3 8°37'36.77" N 125°41'21.62" E	Low	

ESP-STF-727 Residential area in Purok 4 8°37'38.24" N 125°41'22.81" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-STF-728 Residential area in Purok 4 8°37'38.28" N 125°41'20.98" E	Low	
ESP-STF-729 Residential area in Purok 4 8°37'37.38" N 125°41'17.81" E	Low	
ESP-STF-730 Residential area, barangay road in Purok 5 8°37'41.52" N 125°41'15.5" E	Low	
ESP-STF-731 Residential area, barangay road in Purok 5 8°37'43.25" N 125°41'14.46" E	Low	
ESP-STF-732 Residential area, barangay road in Purok 1 8°37'46.92" N 125°41'13.16" E	Low	
ESP-STF-733 Residential area, barangay road, rice field in Purok 6 8°37'55.02" N 125°41'9.06" E	Low	
ESP-STF-734 Residential area, barangay road, rice field in Purok 6 8°38'0.74" N 125°41'5.53" E	Low	
ESP-STF-735 Residential area, barangay road, rice field in Purok 6 8°38'6.65" N 125°41'2.15" E	Low	
ESP-STF-736 Barangay road, rice field in Purok 7 8°38'14.03" N 125°41'1.57" E	Low	

ESP-STF-737 Residential area, barangay road, rice field in Purok 7 8°38'30.73" N 125°41'6.5" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-STF-738 Residential area, barangay road, rice field in Purok 8 8°37'45.01" N 125°41'20.08" E	Low	
ESP-STF-739 Residential area, barangay road, rice field in Purok 8 8°37'44.9" N 125°41'25.4" E	Low	
ESP-STF-740 Residential area, barangay road, rice field in Purok 8 8°37'43.86" N 125°41'36.78" E	Low	
ESP-STF-715 Agusan River right bank in Purok 1 8°37'36.7" N 125°41'12.34" E	Low	
Barangay Segunda		
ESP-SEG-130 Top of slope in Purok 1 8°33'35.4" N 125°31'52.8" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SEG-131 Top of slope in Purok 1 8°33'34.9" N 125°31'52.8" E	High	
ESP-SEG-132 Trail to Barangay proper of Segunda in Purok 1 8°33'34.8" N 125°31'52.2" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SEG-133 Trail to Barangay proper of Segunda in Purok 1 8°33'34.7" N 125°31'52.1" E	High	
ESP-SEG-134 Trail to Barangay proper of Segunda in Purok 1 8°33'34.6" N 125°31'51.8" E	High	
ESP-SEG-135 Trail to Barangay proper of Segunda in Purok 1 8°33'34.6" N 125°31'51.7" E	High	

ESP-SEG-136 Trail to Barangay proper of Segunda in Purok 1 8°33'31.9" N 125°31'47.1" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SEG-144 Trail/Open fields in Purok 2 8°32'38.1" N 125°31'40.5" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SEG-137 Barangay Hall of Segunda 8°33'10.9" N 125°31'29.4" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SEG-156 Purok 1 proper 8°33'15.3" N 125°31'30.7" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SEG-157 Purok 1 proper 8°33'21.7" N 125°31'33.9" E		
ESP-SEG-138 Segunda Elementary School 8°33'11.5" N 125°31'30.1" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SEG-129 Trail to Barangay proper of Segunda in Purok 1 8°33'35.5" N 125°31'57.7" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SEG-139 Trail/Open fields in Purok 2 8°33'7.8" N 125°31'25.2" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SEG-140 Trail/Open fields in Purok 2 8°33'2.1" N 125°31'27.3" E	Moderate	
ESP-SEG-141 Trail/Open fields in Purok 2 8°33'2.6" N 125°31'33.9" E	Moderate	
ESP-SEG-142 Trail/Open fields in Purok 2 8°32'57.1" N 125°31'38.8" E	Moderate	
ESP-SEG-143 Trail/Open fields in Purok 2 8°32'48.7" N 125°31'38.6" E	Moderate	

ESP-SEG-158 Trail/Open fields in Purok 2 8°32'29.5" N 125°31'42.9" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SEG-159 Trail/Open fields in Purok 2 8°32'39.6" N 125°31'44.7" E	Moderate	
ESP-SEG-160 Trail/Open fields in Purok 2 8°33'12" N 125°31'36.4" E	Moderate	
Barangay Sinakungan		
ESP-SKN-07 Road along steep sloping ground in Purok 1 8°34'59.3" N 125°22'53.11" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SKN-08 Road along steep sloping ground in Purok 1 8°34'56.24" N 125°22'55.6" E	High	
ESP-SKN-09 Road along steep sloping ground in Purok 1 8°34'54.01" N 125°22'57.83" E	High	
ESP-SKN-10 Road along steep sloping ground in Purok 1 8°34'52.43" N 125°23'0.17" E	High	
ESP-SKN-20 Road along steep sloping ground in Purok 1 8°35'0.67" N 125°22'33.38" E	High	
ESP-SKN-01 Tribal Hall 8°34'55.67" N 125°22'44.08" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SKN-02 Barangay Hall 8°34'58.3" N 125°22'41.88" E	High	

ESP-SKN-03 Residential along steep sloping ground/162/25NE 8°35'2.33" N 125°22'38.28" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SKN-05 Sinakungan Primary School near steep sloping ground 8°35'2.65" N 125°22'50.74" E	High	
ESP-SKN-06 Residential along steep sloping ground in Purok 1 8°34'58.51" N 125°22'47.6" E	High	
ESP-SKN-19 Road cut near residential/162/25NE 8°35'0.1" N 125°22'39.43" E	High	
ESP-SKN-04 Day Care Center 8°34'57.11" N 125°22'44.33" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SKN-11 Road along moderately sloping ground in Purok 1 8°34'51.53" N 125°23'3.01" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SKN-12 Road along moderately sloping ground in Purok 1 8°34'53" N 125°23'7.15" E	Moderate	
ESP-SKN-13 Road along moderately sloping ground in Purok 1 8°34'53.51" N 125°23'11.58" E	Moderate	
ESP-SKN-14 Road along moderately sloping ground in Purok 1 8°34'54.7" N 125°23'15.83" E	Moderate	
ESP-SKN-15 Road along moderately sloping ground in Purok 1 8°34'56.35" N 125°23'19.25" E	Moderate	

ESP-SKN-16 Road along moderately sloping ground in Purok 1 8°34'55.78" N 125°23'22.92" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-SKN-17 Road along moderately sloping ground in Purok 1 8°34'55.56" N 125°23'27.1" E	Moderate	
ESP-SKN-18 Road along moderately sloping ground in Purok 1 8°34'56.68" N 125°23'30.91" E	Moderate	
Barangay Tagabase		
ESP-TGB-324 Along the road in Purok 6 8°40'23.5" N 125°35'4.1" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-TGB-325 Along the road in Purok 6 8°40'32.8" N 125°35'3.4" E	Moderate	
ESP-TGB-326 Purok 5 Community area 8°40'10.2" N 125°34'42.7" E	Moderate	
ESP-TGB-327 Along the road in Purok 5 8°40'19.1" N 125°34'44.8" E	Moderate	
ESP-TGB-328 Along the road in Purok 5 8°40'23.8" N 125°34'51.9" E	Moderate	
ESP-TGB-329 Along the road in Purok 5 8°40'25.5" N 125°34'59" E	Moderate	
ESP-TGB-330 Along the road in Purok 5 8°40'29.2" N 125°35'2.7" E	Moderate	
ESP-TGB-331 Along the road in Purok 5 8°39'54.7" N 125°34'59.7" E	Moderate	
ESP-TGB-307	Low	

Tagabase Barangay Hall 8°39'54.1" N 125°35'1.9" E		Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-TGB-308 Purok 1 Community area 8°39'52.1" N 125°35'1.9" E	Low	
ESP-TGB-309 Ujot River in Purok 1 8°39'49.9" N 125°35'1.9" E	Low	
ESP-TGB-310 Purok 1 Community area 8°39'51.4" N 125°35'4.5" E	Low	
ESP-TGB-311 Purok 1 Community area 8°39'52" N 125°35'0.5" E	Low	
ESP-TGB-312 Purok 1 Community area 8°39'52.6" N 125°34'58.5" E	Low	
ESP-TGB-313 Skyline Elementary School 8°39'53.1" N 125°34'58.6" E	Low	
ESP-TGB-314 Skyline Elementary School 8°39'53.2" N 125°34'56.1" E	Low	
ESP-TGB-315 Purok 2 Community area 8°39'54.6" N 125°34'58.7" E	Low	
ESP-TGB-316 Purok 2 Community area 8°39'55.9" N 125°35'0.1" E	Low	
ESP-TGB-317 Purok 3 Community area 8°39'58.8" N 125°35'0.6" E	Low	
ESP-TGB-318 Purok 3 Community area 8°39'58.3" N 125°35'2.6" E	Low	
ESP-TGB-319 Purok 4 Community area 8°40'1" N 125°34'59.2" E	Low	
ESP-TGB-320 Purok 6 Community area 8°40'2.7" N 125°35'0.2" E	Low	

ESP-TGB-321 Purok 6 Community area 8°40'3.1" N 125°34'59.9" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-TGB-322 Along the road in Purok 6 8°40'9.4" N 125°35'1.7" E	Low	
ESP-TGB-323 Along the road in Purok 6 8°40'17.2" N 125°35'5.3" E	Low	
ESP-TGB-332 Along the road in Purok 6 8°40'37.4" N 125°35'3.1" E	Low	
ESP-TGB-333 Along the road in Purok 6 8°40'47.4" N 125°35'2.6" E	Low	
Barangay Taganahaw		
ESP-TNW-100 Cubo River in Purok 2 8°42'35.2" N 125°40'36.3" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-TNW-101 Barangay road in Purok 2 8°42'23.2" N 125°40'40.8" E	Low	
ESP-TNW-102 Barangay road in Purok 2 8°42'13.1" N 125°40'49.9" E	Low	
ESP-TNW-103 Purok 3 proper 8°42'7.9" N 125°40'51.4" E	Low	
ESP-TNW-104 Purok 3 proper 8°42'5.1" N 125°40'55.4" E	Low	
ESP-TNW-105 Barangay road in Purok 3 8°42'7.1" N 125°41'0.3" E	Low	
ESP-TNW-106 Barangay road in Purok 3 8°42'2.1" N 125°41'5.3" E	Low	

ESP-TNW-107 Barangay road in Purok 3 8°41'51" N 125°41'6.4" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-TNW-108 Barangay road in Purok 3 8°41'46.1" N 125°41'6.5" E	Low	
ESP-TNW-109 Barangay road in Purok 3 8°41'40.8" N 125°41'4.5" E	Low	
ESP-TNW-110 Barangay road in Purok 3 8°41'35.1" N 125°41'4.4" E	Low	
ESP-TNW-111 Barangay Boundary in Purok 3 8°41'33" N 125°41'3.1" E	Low	
ESP-TNW-91 Barangay Hall of Tag-anahaw 8°42'34.6" N 125°40'40.1" E	Low	
ESP-TNW-92 Lahi Creek in Purok 1 8°43'2.3" N 125°40'42.8" E	Low	
ESP-TNW-93 River Confluence in Purok 1 8°43'0.8" N 125°40'39.5" E	Low	
ESP-TNW-94 Open fields in Purok 1 8°42'59.8" N 125°40'40.1" E	Low	
ESP-TNW-95 Purok 1 proper 8°42'57" N 125°40'39.8" E	Low	
ESP-TNW-96 Barangay Road in Purok 1 8°42'50.3" N 125°40'38.2" E	Low	
ESP-TNW-97 Cubo River in Purok 1 8°42'41.9" N 125°40'39.1" E	Low	
ESP-TNW-98 Purok 2 proper 8°42'38.9" N 125°40'41" E	Low	

ESP-TNW-99 Tag-anahaw Elementary School 8°42'35.9" N 125°40'40.8" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
Barangay Tagbalili		
ESP-TGB-1371 Along the road in Purok 3 8°32'35.5" N 125°26'17.1" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-TGB-1368 Libang River in Purok 1 8°32'54.2" N 125°26'26.5" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-TGB-1369 Libang River in Purok 3 8°32'47.7" N 125°26'20.6" E	Low	
ESP-TGB-1370 Near Libang River in Purok 3 8°32'42.2" N 125°26'18.5" E	Low	
ESP-TGB-1372 Purok 3 proper 8°32'40.8" N 125°26'18.7" E	Low	
ESP-TGB-1373 Tagbalili Elementary School 8°32'42.2" N 125°26'22.9" E	Low	
ESP-TGB-1374 Purok 3 waiting shed 8°32'42.8" N 125°26'23.7" E	Low	
ESP-TGB-1375 Residences in Purok 2 8°32'43.8" N 125°26'26.5" E	Low	
ESP-TGB-1376 Tanod Outpost 8°32'45.2" N 125°26'30.8" E	Low	
ESP-TGB-1377 Purok 2 waiting shed 8°32'45.2" N 125°26'31.6" E	Low	
ESP-TGB-1378 Tagbalili Day Care Center 8°32'43.7" N 125°26'31.9" E	Low	
ESP-TGB-1379 Tagbalili Barangay Hall 8°32'45.7" N 125°26'35" E	Low	

ESP-TGB-1380 Tagbalili Health Center 8°32'44.3" N 125°26'32.7" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-TGB-1381 Residences in Purok 1 8°32'46.5" N 125°26'32.1" E	Low	
ESP-TGB-1382 Residences in Purok 1 8°32'49.4" N 125°26'33.9" E	Low	
ESP-TGB-1383 Purok 1 waiting shed 8°32'50.5" N 125°26'35.1" E	Low	
Barangay Tahina		
ESP-THN-01 Residential Area in Purok 4 8°36'42.9" N 125°39'34.2" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-THN-02 Residential Area in Purok 1 8°36'41.4" N 125°39'34.6" E	Low	
ESP-THN-03 Residential, Agricultural area in Purok 1 8°36'40.4" N 125°39'34.6" E	Low	
ESP-THN-04 Residential Area in Purok 1 8°36'39.5" N 125°39'31.7" E	Low	
ESP-THN-05 Residential Area in Purok 2 8°36'43.4" N 125°39'27.5" E	Low	
ESP-THN-06 Residential Area in Purok 2 8°36'43.7" N 125°39'28.9" E	Low	
ESP-THN-07 Residential Area in Purok 4 8°36'43.1" N 125°39'31.1" E	Low	
ESP-THN-08 Residential Area in Purok 4 8°36'43.7" N 125°39'33.5" E	Low	

ESP-THN-09 Residential Area in Purok 5 8°36'45.2" N 125°39'34" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-THN-10 Residential Area in Purok 5 8°36'44.8" N 125°39'38" E	Low	
ESP-THN-11 Residential Area in Purok 3 8°36'41.5" N 125°39'37.8" E	Low	
Barangay Tandang Sora		
ESP-TDS-01 Residential area 8°33'32.7" N 125°42'9.6" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-TDS-02 Residential area 8°33'17.3" N 125°42'25" E	Low	
ESP-TDS-03 Residential area 8°33'11" N 125°41'52.7" E	Low	
ESP-TDS-04 Residential area 8°33'2.6" N 125°41'48.6" E	Low	
ESP-TDS-05 Residential, agricultural area 8°32'44.1" N 125°41'50.5" E	Low	
ESP-TDS-06 Residential, agricultural area 8°32'39.1" N 125°41'48.5" E	Low	
ESP-TDS-07 Residential, agricultural area 8°32'39.2" N 125°41'44.2" E	Low	
ESP-TDS-08 Residential, agricultural area 8°32'39.6" N 125°41'44.8" E	Low	
ESP-TDS-09 Residential, agricultural area in Purok 1A 8°32'38.1" N 125°41'44.8" E	Low	

ESP-TDS-10 Residential, agricultural area 8°32'36.3" N 125°41'40.7" E	Low	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>
ESP-TDS-11 Residential, agricultural area 8°32'36.2" N 125°41'38.7" E	Low	
ESP-TDS-12 Agricultural area 8°32'30.5" N 125°41'32.5" E	Low	
ESP-TDS-13 Agricultural area 8°32'30.4" N 125°41'31.6" E	Low	
ESP-TDS-14 Agricultural area 8°32'34.7" N 125°41'26.5" E	Low	
ESP-TDS-15 Agricultural area 8°32'30.2" N 125°41'15.5" E	Low	
ESP-TDS-16 Agricultural area 8°32'29.9" N 125°41'15.3" E	Low	
ESP-TDS-17 Residential, agricultural area 8°32'40.4" N 125°41'44.3" E	Low	
ESP-TDS-18 Residential, agricultural area 8°32'38.5" N 125°41'47.8" E	Low	
ESP-TDS-19 Agricultural area 8°32'32.6" N 125°41'20.6" E	Low	
ESP-TDS-20 Agricultural area 8°32'39.5" N 125°41'31.9" E	Low	
Barangay Valentina		
ESP-VLT-06 Residential area nearby Falcata plantation in Purok 3 8°33'59.6" N 125°44'39.3" E	High	<p>The area is located along and at the foot of steep slopes.</p> <p>Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.</p>

ESP-VLT-07 Residential area nearby Falcata plantation in Purok 3 8°33'57" N 125°44'37.1" E	High	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-VLT-08 Residential area nearby Falcata plantation in Purok 3 8°33'54.3" N 125°44'34.9" E	High	
ESP-VLT-09 Residential area nearby Falcata plantation in Purok 3 8°33'52.7" N 125°44'34" E	High	
ESP-VLT-10 Residential area nearby Falcata plantation in Purok 3 8°33'48.1" N 125°44'32.2" E	High	
ESP-VLT-11 Residential area nearby Falcata plantation in Purok 1 8°34'17.2" N 125°44'48.2" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-VLT-12 Residential area nearby Falcata plantation in Purok 1 8°34'18.8" N 125°44'49.3" E	Moderate	
ESP-VLT-13 Residential area nearby Falcata plantation in Purok 1 8°34'20.4" N 125°44'49.9" E	Moderate	
ESP-VLT-14 Residential area nearby Falcata plantation in Purok 2 8°34'26.7" N 125°44'34.8" E	Moderate	
ESP-VLT-15 Residential area nearby Falcata plantation in Purok 2 8°34'30.5" N 125°44'31.1" E	Moderate	
ESP-VLT-16 Residential area nearby Falcata plantation in Purok 2 8°34'31.7" N 125°44'29.6" E	Moderate	

ESP-VLT-17 Residential area nearby Falcata plantation in Purok 2 8°34'33.5" N 125°44'27.5" E	Moderate	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-VLT-18 Residential area nearby Falcata plantation in Purok 2 8°34'34.8" N 125°44'25.1" E	Moderate	
ESP-VLT-19 Residential area nearby Falcata plantation in Purok 2 8°34'36.1" N 125°44'22.3" E	Moderate	
ESP-VLT-20 Residential area nearby Falcata plantation 8°34'42.3" N 125°44'28.6" E	Moderate	
ESP-VLT-21 Residential area nearby Falcata plantation 8°34'47.6" N 125°44'27.3" E	Moderate	
ESP-VLT-01 Residential area nearby Falcata plantation in Purok 1 8°34'14.5" N 125°44'44.4" E	Low	The area is located along and at the foot of steep slopes. Recommendation: Observe and monitor for the presence of mass movement and report to the authorities.
ESP-VLT-02 Residential area nearby Falcata plantation in Purok 3 8°34'9.3" N 125°44'42.4" E	Low	
ESP-VLT-03 Residential area nearby Falcata plantation in Purok 3 8°34'3.8" N 125°44'42.2" E	Low	
ESP-VLT-04 Residential area nearby Falcata plantation in Purok 3 8°34'0.7" N 125°44'44.1" E	Low	
ESP-VLT-05 Residential area nearby Falcata plantation in Purok 3 8°33'57.3" N 125°44'47.5" E	Low	

Table 5. Results of the Flood Hazard Assessment

Location	Flood Susceptibility Rating	Remarks/Recommendations
Barangay Agsabu		
ESP-AGS-01 Agricultural area in Purok 1 8°42'33.48" N 125°27'18.36" E	Moderate	<p>Intense flashflood occurs in the barangay caused mainly by Afga river inundating Puroks along the waterway. Barangay experiences inundation of greater than 0.5m to 1m in lower elevation.</p> <p>Recommendation: Maintain flood buffer zones and discourage settlement along the creek and riverbank.</p>
ESP-AGS-02 Residential, agricultural area in Purok 1 8°40'42.96" N 125°27'7.56" E	Moderate	
ESP-AGS-03 Residential area in Purok 2 8°40'34.68" N 125°27'2.52" E	Moderate	
ESP-AGS-05 Residential area in Purok 3 8°40'38.64" N 125°27'1.08" E	Moderate	
ESP-AGS-06 Residential area in Purok 2 8°40'37.2" N 125°27'2.88" E	Moderate	
ESP-AGS-07 Residential area in Purok 2 8°40'35.04" N 125°27'3.96" E	Moderate	
ESP-AGS-08 Residential area in Purok 1 8°40'36.84" N 125°27'5.76" E	Moderate	
ESP-AGS-09 Residential, agricultural area in Purok 1 8°40'38.64" N 125°27'6.84" E	Moderate	
ESP-AGS-04 Residential area in Purok 3 8°40'35.04" N 125°27'0.72" E	Low	
ESP-AGS-10 Along the road, natural vegetation and semi natural forest in Purok 1 8°40'54.48" N 125°27'28.44" E	Low	Recommendations: Implement flood control measures. Perform regular declogging of drainages.

<p>ESP-AGS-11 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'7.8" N 125°27'46.08" E</p>	<p>Low</p>	<p>The area is relatively on a higher elevation.</p> <p>Recommendations: Implement flood control measures. Perform regular declogging of drainages.</p>
<p>ESP-AGS-12 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'7.8" N 125°27'46.44" E</p>	<p>Low</p>	
<p>ESP-AGS-13 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'6.36" N 125°27'51.84" E</p>	<p>Low</p>	
<p>ESP-AGS-20 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'56.04" N 125°27'38.52" E</p>	<p>Low</p>	
<p>ESP-AGS-14 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'7.44" N 125°27'52.92" E</p>		<p>The area is situated on a higher elevation. No reported case of flooding.</p>
<p>ESP-AGS-15 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'7.44" N 125°27'53.28" E</p>		
<p>ESP-AGS-16 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'7.44" N 125°27'54.72" E</p>		
<p>ESP-AGS-17 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'8.88" N 125°27'56.52" E</p>		
<p>ESP-AGS-18 Residential, agricultural area in Purok 1 8°41'7.8" N 125°28'1.56" E</p>		
<p>ESP-AGS-19 Along the road, natural vegetation and semi natural forest in Purok 1 8°41'22.2" N 125°27'54.72" E</p>		

Barangay Aguilaldo		
ESP-AGD-259 Purok 1 Community area 8°37'46.5" N 125°44'2.8" E	High	<p>Flooding in the community area and rice fields due to the overflowing of Maasin river and creeks.</p> <p>Recommendations: Consult Municipal Assessor's Office for re-assessment of destroyed farmlands. Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Develop an early warning system (e.g., signage). Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains.</p>
ESP-AGD-260 Purok 1 Community area 8°37'46.6" N 125°44'2.8" E	High	
ESP-AGD-261 Purok 1 Community area 8°37'46" N 125°44'2.7" E	High	
ESP-AGD-262 Purok 1 Community area 8°37'44.1" N 125°44'3.9" E	High	
ESP-AGD-263 Purok 2 Community area 8°37'42.5" N 125°44'4.7" E	High	
ESP-AGD-264 Aguinaldo Barangay Hall 8°37'42.5" N 125°44'4.8" E	High	
ESP-AGD-265 Aguinaldo Elementary School 8°37'42.6" N 125°44'3.8" E	High	
ESP-AGD-266 Purok 2 Community area 8°37'42.5" N 125°44'3" E	High	
ESP-AGD-267 Purok 2 Community area 8°37'40.3" N 125°44'5.3" E	High	
ESP-AGD-268 Purok 2 Community area 8°37'38.3" N 125°44'2.2" E	High	
ESP-AGD-269 Purok 2 Community area 8°37'38.6" N 125°44'5.3" E	High	
ESP-AGD-270 Purok 2 Community area 8°37'34.4" N 125°44'4.8" E	High	
ESP-AGD-271 Purok 2 Community area 8°37'40.4" N 125°44'6.3" E	High	
ESP-AGD-272 Purok 2 Community area 8°37'39.9" N 125°44'6.5" E	High	

ESP-AGD-273 Purok 1 Community area 8°37'48.6" N 125°44'3.4" E	High	Flooding in the community area and rice fields due to the overflowing of Maasin river and creeks.
ESP-AGD-274 Along the road in Purok 1 8°37'53.8" N 125°44'6.7" E	High	Recommendations: Consult Municipal Assessor's Office for re-assessment of destroyed farmlands. Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Develop an early warning system (e.g., signage). Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains.
ESP-AGD-275 Along the road in Purok 1 8°37'50.9" N 125°44'4.4" E	High	
ESP-AGD-257 Purok 3 Community area 8°37'35" N 125°44'11.9" E	Low	No flooding in the community area but flooding is experienced in rice fields.
ESP-AGD-258 Purok 3 Community area 8°37'34.9" N 125°44'10.5" E	Low	Recommendations: Consult Municipal Assessor's Office for re-assessment of destroyed farmlands. Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
Barangay Anolingnan		
ESP-ANL-1177 Creek in Purok 10 8°37'50.5" N 125°46'56.9" E	High	A creek in Purok 10 which is a tributary of Anolingnan Creek tends to backflow and causes flooding in the rice paddies. Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-ANL-1160 Anolingnan Creek in Purok 9 8°36'42.4" N 125°46'20.2" E	High	Frequent flooding in Anolingnan Creek occur in the months of December to February. Worst flood height reached as high as 2 meters from the river channel. Recommendations: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains.
ESP-ANL-1157 Sangi Creek in Purok 6 8°36'18.3" N 125°46'9.7" E	High	Frequent flooding in Sangi Creek usually occur in the months of December to February. Worst flood height reached as high as 1.2 meters from the river channel. Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-ANL-1156 Along the road going to Purok 6 8°36'9.4" N 125°46'9.5" E	Moderate	Flooding along the barangay road is due to the overflowing of Sanhi Creek.
ESP-ANL-1158 Along the road going to Purok 6 8°36'21.8" N 125°46'9.4" E		Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-ANL-1166 Residence in Purok 2A 8°36'52" N 125°46'32.5" E	Moderate	Flooding in Purok 2A is due to the overflowing of Anolingnan Creek which usually happens in the months of December to February. Recommendations: Observe for rapid increase/decrease in

		river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains.
ESP-ANL-1161 Along the barangay road in Purok 9 8°36'43.5" N 125°46'20.7" E	Moderate	<p>Flooding in Purok 9 is due to the overflowing of Anolingang Creek which usually happens in the months of December to February.</p> <p>Recommendations: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains.</p>
ESP-ANL-1178 Rice field area in Purok 10 8°37'54.6" N 125°46'55.8" E	Moderate	<p>Flooding in the rice paddies is due to the overflowing of a nearby creek.</p> <p>Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).</p>
ESP-ANL-1151 Anolingang Barangay Hall 8°36'59" N 125°46'27" E		No reported case of flooding.
ESP-ANL-1152 Residences in Purok 6 8°35'22.8" N 125°46'34.4" E		
ESP-ANL-1153 Along the road going to Purok 6 8°35'28.8" N 125°46'30" E		
ESP-ANL-1154 Along the road going to Purok 6 8°35'42.4" N 125°46'22.7" E		
ESP-ANL-1155 Along the road going to Purok 6 8°36'9.2" N 125°46'9.5" E		
ESP-ANL-1159 Along the road going to Purok 6 8°36'22.1" N 125°46'9.4" E		
ESP-ANL-1162 Purok 9 waiting shed 8°36'44.7" N 125°46'21.3" E		
ESP-ANL-1163 Residences in Purok 9 8°36'46.7" N 125°46'21.2" E		
ESP-ANL-1164 Purok 2B waiting shed 8°36'46.6" N 125°46'26.2" E		

ESP-ANL-1165 Anolingán Elementary School 8°36'51.9" N 125°46'29.4" E		No reported case of flooding.
ESP-ANL-1167 Purok 3 waiting shed 8°37'0.8" N 125°46'43.8" E		
ESP-ANL-1168 Purok 1B waiting shed 8°36'56.9" N 125°46'29.7" E		
ESP-ANL-1169 Purok 1A waiting shed 8°37'9.1" N 125°46'24" E		
ESP-ANL-1170 Purok 4 waiting shed 8°37'30.6" N 125°46'16.5" E		
ESP-ANL-1171 Along the road in Purok 4 8°37'34.4" N 125°46'13.9" E		
ESP-ANL-1172 Purok 5 waiting shed 8°37'51.2" N 125°46'21" E		
ESP-ANL-1173 Purok 7 waiting shed 8°37'56.7" N 125°46'34.2" E		
ESP-ANL-1174 Along the barangay road 8°38'3.5" N 125°46'44.7" E		
ESP-ANL-1175 Purok 8 proper 8°38'5" N 125°46'47.3" E		
ESP-ANL-1176 Purok 10 waiting shed 8°37'34.2" N 125°47'11.6" E		
Barangay Bakingking		
ESP-BKN-1221 Ujot River in Purok 1 8°40'52.3" N 125°31'27.7" E	Very High	Worst flood height recorded reaches as high as 3 meters during rainy season. Severe bank erosion at the outer bend of the meander may cause damming effect in its river channel. Recommendations: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Develop an early warning system (e.g., signage).
ESP-BKN-1231 Hidyop Creek 8°40'42.3" N 125°31'16" E	High	Flooding in Hidyop Creek is only restricted in its river channel where 1.40 meters high flooding is most likely to occur during rainy season. Recommendations: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Develop an early warning system (e.g., signage).

<p>ESP-BKN-1220 Near Ujot River in Purok 1 8°40'52" N 125°31'27.6" E</p>	<p>High</p>	<p>Flooding in this area is due to the overflowing of Ujot River where 1.5 meters high flooding is experienced in the months of December to February.</p> <p>Recommendations: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Develop an early warning system (e.g., signage).</p>
<p>ESP-BKN-1219 Near Ujot River in Purok 1 8°40'51.9" N 125°31'27.6" E</p>	<p>Moderate</p>	<p>Flooding in this area is due to the overflowing of Ujot River where 0.70 meter high flooding is experienced in the months of December to February.</p> <p>Recommendations: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Develop an early warning system (e.g., signage).</p>
<p>ESP-BKN-1218 Purok 1 proper 8°40'51.9" N 125°31'27.6" E</p>	<p>Low</p>	<p>Sheet flooding in this area is due to the overflowing of nearby Ujot River. Frequent flooding is usually experienced in the months of December to February.</p> <p>Recommendations: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Develop an early warning system (e.g., signage).</p>
<p>ESP-BKN-1222 Purok 1 waiting shed 8°40'51.2" N 125°31'27" E</p>		<p>No reported case of flooding.</p>
<p>ESP-BKN-1223 Waiting shed for pump boats 8°40'51.8" N 125°31'24.4" E</p>		
<p>ESP-BKN-1224 Purok 2 waiting shed 8°40'50.1" N 125°31'23.2" E</p>		
<p>ESP-BKN-1225 Bakingking Elementary School 8°40'45.9" N 125°31'23.7" E</p>		
<p>ESP-BKN-1226 Purok 3 waiting shed 8°40'45.1" N 125°31'21" E</p>		
<p>ESP-BKN-1227 Residences in Purok 3 8°40'44" N 125°31'20" E</p>		
<p>ESP-BKN-1228 Purok 4 waiting shed 8°40'43.3" N 125°31'19.3" E</p>		
<p>ESP-BKN-1229 Residences in Purok 4 8°40'42.5" N 125°31'18.5" E</p>		
<p>ESP-BKN-1230 Along the trail in Purok 4 8°40'41.7" N 125°31'17" E</p>		

ESP-BKN-1232 Along the trail in Purok 4 8°40'43.8" N 125°31'18.1" E		No reported case of flooding.
ESP-BKN-1233 Bakingking Health Center 8°40'47.2" N 125°31'24.4" E		
ESP-BKN-1234 Bakingking Day Care Center 8°40'47.5" N 125°31'24.9" E		
ESP-BKN-1235 Bakingking Barangay Hall 8°40'48" N 125°31'24.7" E		
ESP-BKN-1236 Purok 1 proper 8°40'46.2" N 125°31'24.8" E		
Barangay Balubo		
ESP-BAL-04 Ohot river in Purok 2 8°42'37.8" N 125°27'12.35" E	Very High	An east flowing Ohot river usually overflows during extreme weather condition causing sheet flooding to the nearby residential area.
ESP-BAL-07 Ohot river in Purok 1 8°42'38.23" N 125°27'18.18" E		Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content). Observe for sunken or displaced road surfaces.
ESP-BAL-03 Residential area in Purok 2 8°42'39.1" N 125°27'13.1" E	High	Flooding is caused by the overflowing of nearby Ohot river. Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content). Observe for sunken or displaced road surfaces. Conduct pre-emptive evacuation during extreme weather condition.
ESP-BAL-05 Residential area in Purok 2 8°42'38.7" N 125°27'15.48" E	High	
ESP-BAL-06 Residential area in Purok 1 8°42'38.74" N 125°27'17.75" E	High	
ESP-BAL-08 Residential area in Purok 1 8°42'39.74" N 125°27'20.48" E	High	
ESP-BAL-12 Residential area in Purok 3 8°42'42.23" N 125°27'9.68" E	High	

<p>ESP-BAL-02 Barangay Hall/Residential area in Purok 2 8°42'40.86" N 125°27'13.32" E</p>	Moderate	<p>Flooding is caused by the overflowing of nearby Ohot river.</p> <p>Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content). Observe for sunken or displaced road surfaces. Conduct pre-emptive evacuation during extreme weather condition.</p>
<p>ESP-BAL-17 Residential area in Purok 3 8°42'42.55" N 125°27'11.41" E</p>		
<p>ESP-BAL-01 Purok 2 8°42'41.54" N 125°27'14" E</p>		No reported case of flooding.
<p>ESP-BAL-09 Purok 1 8°42'41.08" N 125°27'19.91" E</p>		
<p>ESP-BAL-10 Purok 1 8°42'43.13" N 125°27'17.82" E</p>		
<p>ESP-BAL-11 Residential area in Purok 1 8°42'41.26" N 125°27'16.06" E</p>		
<p>ESP-BAL-13 Open Area in Purok 4 8°42'45.25" N 125°27'6.16" E</p>		
<p>ESP-BAL-14 Residential area in Purok 4 8°42'46.58" N 125°27'7.92" E</p>		
<p>ESP-BAL-15 Residential area in Purok 4 8°42'49" N 125°27'11.45" E</p>		
<p>ESP-BAL-16 Purok 4 8°42'45.43" N 125°27'9.79" E</p>		
<p>ESP-BAL-18 Road in Purok 4 8°42'53.39" N 125°27'19.76" E</p>		
<p>ESP-BAL-19 Road in Purok 4 8°43'7.39" N 125°27'6.26" E</p>		
<p>ESP-BAL-20 Road in Purok 4 8°43'21.79" N 125°27'18.68" E</p>		

Barangay Bentahon		
<p>ESP-BEN-141 Wawa River in Purok 2 8°41'1" N 125°40'43.3" E</p>	Very High	<p>Observation point taken near meander bend of Wawa River. Flood reached up to 2.1 meters during Typhoon Agaton. Bank erosion is active.</p> <p>Recommendations: Develop an early warning device/system. Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).</p>
<p>ESP-BEN-142 Adjacent to Wawa River in Purok 2 8°41'1.5" N 125°40'42.6" E</p>	High	<p>Observation point taken approximately 25 meters away from bank of Wawa River. Flooded up to 1.2 meters high.</p> <p>Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Avoid future settlement along this area.</p>
<p>ESP-BEN-133 Sangi Creek/Tributary of Wawa River in Purok 1 8°41'10.3" N 125°40'53.8" E</p>	High	<p>Sangi creek serves as feeding tributary of Wawa River. Frequently flooded and overflows in adjacent barangay roads making the area less accessible during heavy rainfall.</p> <p>Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Avoid future settlement along this area.</p>
<p>ESP-BEN-134 Sangi Creek/Tributary of Wawa River in Purok 2 8°41'9.2" N 125°40'52.3" E</p>		
<p>ESP-BEN-137 Wawa River in Purok 1- B 8°40'51.8" N 125°40'38.8" E</p>	High	<p>Wawa River frequently flooded and recorded the highest flood during Typhoon Agaton. Wawa River is approximately 40 meters wide in this point. Bank height is about 8 meters high. It was reported that the river changes the route of its channel with 3 years of interval.</p> <p>Recommendations: Develop an early warning device/system. Monitor weather update/ advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).</p>
<p>ESP-BEN-140 Purok 2 proper in Purok 2 8°41'6.7" N 125°40'41.3" E</p>	Moderate	<p>Flooded due to river overflow of Wawa river and Sangay Creek. Flood height reaches up to 1 meter.</p> <p>Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Avoid future settlement along this area.</p>
<p>ESP-BEN-135 Barangay Road in Purok 3 8°41'10.1" N 125°40'51.9" E</p>	Moderate	<p>Frequently flooded due to river overflow of Wawa River and Sangay Creek.</p> <p>Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).</p>
<p>ESP-BEN-136 Barangay Road in Purok 2 8°41'10.1" N 125°40'44.8" E</p>		
<p>ESP-BEN-138 Open Fields in Purok 1- B 8°40'56.4" N 125°40'39.5" E</p>		<p>Area is elevated. No reported case of flooding.</p>

ESP-BEN-139 Open Fields in Purok 1-B 8°41'6.8" N 125°40'37.4" E		Area is elevated. No reported case of flooding.
ESP-BEN-143 Adjacent to Wawa River in Purok 2 8°41'2.4" N 125°40'42.3" E		
ESP-BEN-145 Bentahon Elementary School 8°41'10.3" N 125°40'29.3" E		
ESP-BEN-146 Barangay Hall of Bentahon 8°41'11.4" N 125°40'29.9" E		
ESP-BEN-147 Purok 1-C proper 8°41'11.4" N 125°40'20.2" E		
ESP-BEN-148 Purok 1-A proper 8°41'11.8" N 125°40'24.8" E		
ESP-BEN-149 Barangay road in Purok 4 8°41'17.4" N 125°40'20.1" E		
ESP-BEN-150 Barangay road in Purok 4 8°41'19.7" N 125°40'10.7" E		
ESP-BEN-151 Barangay road in Purok 4 8°41'16.7" N 125°40'2.6" E		
ESP-BEN-152 Barangay road in Purok 4 8°41'7.1" N 125°39'42.5" E		
ESP-BEN-153 Barangay road in Purok 4 8°40'48.5" N 125°39'45.2" E		
ESP-BEN-154 Purok 5 proper 8°40'38.2" N 125°39'52.4" E		

ESP-BEN-156 Barangay Road in Purok 6 8°41'22.2" N 125°40'28.6" E		Area is elevated. No reported case of flooding.
ESP-BEN-157 Purok 6 proper 8°41'29.1" N 125°40'34.8" E		
Barangay Bunaguit		
ESP-BNT-1210 Posilaw River in Purok 1 8° 36' 46.4" N 125° 28' 43.1" E	Very High	Southeast flowing Posilaw river flooded up to 2.5 meters high. Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-BNT-1349 Posilaw River in Purok 2 8° 36' 51.1" N 125° 28' 39" E	Very High	Worst flood height recorded reached as high as 2.5 meters. Frequent flooding is usually experienced in the months of December to February.
ESP-BNT-1350 Posilaw River in Purok 2 8° 36' 52" N 125° 28' 43.2" E		Recommendations: Develop an early warning system (e.g., signage). Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-BNT-1348 Community Near Posilaw River in Purok 2 8° 36' 50.9" N 125° 28' 38.6" E	High	1.60 meter high flooding is due to the overflowing of Pusilao River during rainy season. Recommendations: Develop an early warning system (e.g., signage). Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-BNT-123 Open fields/cornfields in Purok 3 8° 36' 53.1" N 125° 28' 36.6" E	High	Area is located on an open field of Purok 3 near a river channel. Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Discourage future settlement in this area.
ESP-BNT-126 Open fields/cornfields in Purok 3 8° 36' 54.9" N 125° 28' 32.2" E	Moderate	Flood height in the area reached up to 0.6 meter during Typhoon Pablo. Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Discourage future settlement in this area.
ESP-BNT-1346 Community Near Posilaw River in Purok 2 8° 36' 50.8" N 125° 28' 38.3" E	Moderate	Flooding in this area is due to the overflowing of Pusilao River where 0.6 meter high flooding is usually experienced in the months of December to February. Recommendations: Develop an early warning system (e.g., signage). Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-BNT-128 Purok 3 proper 8° 36' 48.7" N 125° 28' 34.2" E	Moderate	Moderately flooded due to a creek near Purok 3. Flood height reaches up to 0.5 meter. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-BNT-1347 Community Near Posilaw River in Purok 2 8° 36' 50.6" N	Low	Flooding in this area is due to the overflowing of Pusilao River where 0.6 meter high flooding is usually experienced in the months of December to February.

125° 28' 38.2" E		Recommendations: Develop an early warning system (e.g., signage). Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-BNT-1208 Barangay Hall 8° 36' 47.3" N 125° 28' 38.4" E		No reported case of flooding.
ESP-BNT-1209 Health Station 8° 36' 46.9" N 125° 28' 38.3" E		
ESP-BNT-1211 Community Area in Purok 1 8° 36' 48.4" N 125° 28' 41.5" E		
ESP-BNT-1212 Community Area in Purok 1 8° 36' 49.6" N 125° 28' 39.9" E		
ESP-BNT-124 Purok 3 proper 8° 36' 51.7" N 125° 28' 35.9" E		
ESP-BNT-125 Bunaguit Elementary School 8° 36' 53.2" N 125° 28' 32.4" E		
ESP-BNT-127 Purok 3 proper 8° 36' 50.1" N 125° 28' 30.8" E		
ESP-BNT-1344 Bunaguit Barangay Hall 8° 36' 50.2" N 125° 28' 36.7" E		
ESP-BNT-1345 Purok 2 Community area 8° 36' 50.3" N 125° 28' 38.1" E		
ESP-BNT-1351 Bunaguit Day Care Center 8° 36' 48.1" N 125° 28' 38.8" E		
ESP-BNT-1352 Purok 2 proper 8° 36' 49.2" N 125° 28' 36.8" E		
ESP-BNT-421 Along road in Purok 4 8° 36' 50.2" N 125° 28' 36.8" E		
ESP-BNT-422 Along road in Purok 4 8° 36' 33.9" N 125° 28' 47" E		

ESP-BNT-423 Along road in Purok 4 8° 36' 24.7" N 125° 28' 59.6" E		No reported case of flooding.
ESP-BNT-424 Along road in Purok 4 8° 36' 16" N 125° 29' 8.2" E		
ESP-BNT-425 Along road in Purok 4 8° 36' 20.1" N 125° 29' 15.8" E		
ESP-BNT-426 Community Area in Purok 4 8° 36' 19" N 125° 29' 19.3" E		
Barangay Catmonon		
ESP-CTM-707 Residential area, barangay road in Purok 7 8°39'27.29" N 125°42'39.67" E	Very High	Flood water level usually reaches 2 meters during rainy season (December to February) associated mainly with Gumpaitan Creek overflow combined with high surface runoff and irrigation water overflow. Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-CTM-708 Gumpaitan Creek, bridge in Purok 7 8°39'17.93" N 125°42'42.62" E		
ESP-CTM-711 Residential area, rice field in Purok 3 8°38'48.88" N 125°42'25.42" E	High	Flood water level usually reaches 2 meters during rainy season (December to February) associated mainly with adjoining streams overflow combined with high surface runoff and irrigation water overflow. Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-CTM-686 Barangay road, rice field in Purok 4 8°38'28.1" N 125°42'32.58" E	High	Flood water level usually reaches 2 meters during rainy season (December to February) associated mainly with Agusan River overflow combined with high surface runoff and irrigation water overflow. Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-CTM-687 Barangay road, rice field in Purok 4 8°38'25.62" N 125°42'30.13" E	High	
ESP-CTM-688 Barangay road, rice field in Purok 6 8°38'17.92" N 125°42'24.16" E	High	

ESP-CTM-689 Barangay road, rice field in Purok 6 8°38'8.02" N 125°42'29.66" E	High	Flood water level usually reaches 2 meters during rainy season (December to February) associated mainly with Agusan River overflow combined with high surface runoff and irrigation water overflow. Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-CTM-690 Barangay road, rice field in Purok 6 8°38'5.46" N 125°42'27.76" E	High	
ESP-CTM-691 Barangay road, rice field in Purok 6 8°38'5.57" N 125°42'25.27" E	High	
ESP-CTM-692 Barangay road, rice field in Purok 6 8°38'5.68" N 125°42'3.02" E	High	
ESP-CTM-693 Barangay road, rice field in Purok 5 8°38'36.64" N 125°42'19.15" E	High	
ESP-CTM-694 Barangay road, rice field in Purok 5 8°38'46.54" N 125°42'9.29" E	High	
ESP-CTM-697 Residential area, rice field in Purok 5 8°38'34.58" N 125°41'52.08" E	High	
ESP-CTM-699 Barangay road, NIA irrigation, rice field in Purok 5 8°38'54.17" N 125°42'15.3" E	Moderate	Flood water level usually reaches 1 meter during rainy season (December to February) associated mainly with Agusan River overflow combined with high surface runoff and irrigation water overflow.
ESP-CTM-700 Barangay road, NIA irrigation, rice field in Purok 2 8°39'2.38" N 125°42'7.49" E	Moderate	Recommendations: Avoid construction of important infrastructures within the areas identified with high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-CTM-701 Barangay road, rice field in Purok 2 8°38'56.87" N 125°41'53.52" E	Moderate	
ESP-CTM-681 Barangay road, rice field in Purok 1 8°39'24.7" N 125°42'10.15" E	Moderate	Flood water level usually reaches 1 meter during rainy season (December to February) associated mainly with Wawa River overflow combined with high surface runoff and irrigation water overflow.
ESP-CTM-685 Barangay road, rice field in Purok 4		Recommendations: Avoid construction of important infrastructures within the areas identified with high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water

8°38'34.91" N 125°42'28.58" E		level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-CTM-702 Residential area, rice field in Purok 2 8°38'51.68" N 125°41'45.6" E	Low	Flood water level is usually below 0.5 meter during rainy season (December to February) associated mainly with Agusan River overflow combined with high surface runoff and irrigation water overflow.
ESP-CTM-712 Residential area, barangay road in Purok 3A 8°38'45.53" N 125°42'25.02" E		Recommendations: Avoid construction of important infrastructures within the areas identified with high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-CTM-682 Barangay road, rice field in Purok 1 8°39'10.33" N 125°42'15.12" E		No reported case of flooding.
ESP-CTM-683 Catmonon Brgy. Hall, residential area in Purok 3A 8°38'46.39" N 125°42'22.61" E		
ESP-CTM-684 Barangay road, rice field in Purok 4 8°38'40.88" N 125°42'23.08" E		
ESP-CTM-695 Barangay road, rice field in Purok 5 8°38'40.7" N 125°41'57.08" E		
ESP-CTM-696 Residential area, rice field in Purok 5 8°38'35.16" N 125°41'52.37" E		
ESP-CTM-698 Residential area, rice field in Purok 5 8°38'39.16" N 125°41'55.1" E		
ESP-CTM-703 Barangay road, NIA irrigation, rice field in Purok 1 8°39'26.64" N 125°42'3.35" E		
ESP-CTM-709 Catmonon National High School, residential area 8°39'13.79" N 125°42'15.59" E		
ESP-CTM-710 Catmonon Elementary		

School, rice field 8°38'49.96" N 125°42'19.87" E		
Barangay Cebulan		
ESP-CBL-1183 Boundary between Barangay Cebulan and Anolingan 8°37'35.9" N 125°46'1.3" E	Very High	The flow of flood water in Cebulan Creek is blocked by its confluence, the Anolingan Creek in the nearby barangay which results to the overflowing of Cebulan Creek where flood height reaches as high as 2.5 meters. Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-CBL-1184 Along the barangay road in Purok 2 8°37'38.8" N 125°45'57.9" E	Moderate	Sheet flooding in the area as well as the rice paddies is the result of the overflowing of Cebulan Creek. Frequent flooding is most likely to occur in the months of December to February. Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-CBL-1180 Cebulan Barangay Hall 8°37'48.9" N 125°45'44" E		No reported case of flooding.
ESP-CBL-1181 Purok 2 waiting shed 8°37'48.3" N 125°45'44.2" E		
ESP-CBL-1182 Purok 1 waiting shed 8°37'43.9" N 125°45'43.8" E		
ESP-CBL-1185 Along the barangay road in Purok 2 8°37'40.7" N 125°45'54.1" E		
ESP-CBL-1186 Cebulan Elementary School 8°37'47.1" N 125°45'40.9" E		
ESP-CBL-1187 Purok 4 waiting shed 8°37'48.4" N 125°45'42.2" E		
ESP-CBL-1188 Purok 3 waiting shed 8°37'46.1" N 125°45'46.3" E		
ESP-CBL-1189 Cornfield in Purok 2 8°37'49.2" N 125°45'45.6" E		
ESP-CBL-1190 Bridge in Purok 2 8°38'0.8" N 125°45'54.5" E		

ESP-CBL-1191 Along the barangay road in Purok 2 8°37'50.2" N 125°45'45.8" E		No reported case of flooding.
ESP-CBL-1192 Residences in Purok 4 8°37'39" N 125°45'53.4" E		
ESP-CBL-1193 Along the barangay road in Purok 4 8°37'42.8" N 125°45'43.3" E		
ESP-CBL-1194 Residences in Purok 4 8°37'40.7" N 125°45'45.1" E		
ESP-CBL-1195 Residences in Purok 3 8°37'41.9" N 125°45'49.1" E		
ESP-CBL-1196 Along the barangay road in Purok 1 8°37'39.9" N 125°45'50.8" E		
Barangay Concordia		
ESP-CNC-09 Agricultural Area in Purok 2 8°37'22.5" N 125°40'44.1" E	Very High	Agusan River overflows and water is dispersed to the agricultural area. Since the barangay community is of the same elevation with the rice fields, intense sheet flooding (4 meters high) is frequently experienced by the residents. Recommendations: Develop an early warning device system. Observe for rapid increase/decrease in water levels. Advise for pre-emptive evacuation during inclement weather condition.
ESP-CNC-10 Residential Area in Purok 2 8°37'22" N 125°40'46.1" E	Very High	
ESP-CNC-11 Residential, agricultural area in Purok 2 8°37'26.3" N 125°41'0.2" E	Very High	
ESP-CNC-17 Residential, agricultural area in Purok 2 8°37'29.9" N 125°40'52.6" E	Very High	
ESP-CNC-18 Agricultural Area in Purok 6 8°36'15.6" N 125°41'3.4" E	Very High	
ESP-CNC-19 Agricultural Area in Purok 6 8°35'53.5" N 125°41'36.1" E	Very High	

ESP-CNC-20 Agricultural Area in Purok 6 8°36'24.7" N 125°41'31.7" E	Very High	Agusan River overflows and water is dispersed to the agricultural area. Since the barangay community is of the same elevation with the rice fields, intense sheet flooding (4 meters high) is frequently experienced by the residents. Recommendations: Develop an early warning device system. Observe for rapid increase/decrease in water levels. Advise for pre-emptive evacuation during inclement weather condition.
ESP-CNC-02 Residential Area in Purok 1 8°37'0.5" N 125°40'33.4" E	High	The area has very high susceptibility to flooding due to the distance of Agusan River. Agusan River lies meters away, east of Barangay Concordia. Recommendations: Discourage future habitation and construction of structures in identified flood-prone areas. Advice for pre-emptive evacuation of residence during inclement weather condition and occasions of heavy and prolonged rains.
ESP-CNC-03 Residential Area in Purok 1 8°37'0.5" N 125°40'33.2" E	High	
ESP-CNC-04 Residential Area in Purok 1 8°37'2.7" N 125°40'32" E	High	
ESP-CNC-05 Residential Area in Purok 1 8°36'59.6" N 125°40'31.1" E	Moderate	The area is susceptible to flash floods and sheet floods during heavy rains. Recommendation: Develop a good drainage system in the area to prevent flooding.
ESP-CNC-12 Residential, agricultural area in Purok 3 8°36'58.9" N 125°40'27.1" E		
ESP-CNC-01 Agricultural Area in Purok 3 8°36'52.6" N 125°40'29.5" E		No reported case of flooding in the area. Recommendation: Improve drainage system to prevent flooding.
ESP-CNC-06 Residential, agricultural area in Purok 3 8°36'53.6" N 125°40'29.3" E		
ESP-CNC-07 Residential Area in Purok 1 8°36'59.9" N 125°40'32.9" E		
ESP-CNC-08 Agricultural Area in Purok 2 8°37'19.1" N 125°40'37.4" E		
ESP-CNC-13 Residential, agricultural area in Purok 3 8°37'3.6" N 125°40'28.3" E		

ESP-CNC-14 Residential, agricultural area in Purok 3 8°36'56.8" N 125°40'32" E		No reported case of flooding in the area. Recommendation: Improve drainage system to prevent flooding.
ESP-CNC-15 Residential, agricultural area in Purok 3 8°37'15.7" N 125°40'36.1" E		
ESP-CNC-16 Residential, agricultural area in Purok 2 8°37'22.2" N 125°40'40.5" E		
Barangay Crossing Luna		
ESP-CRL-659 Crossing Luna Brgy. Hall, residential area 8°40'30.43" N 125°41'46.21" E	High	Flood water level usually reaches 2 meters during rainy season (December to February) associated mainly with Wawa River overflow. Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-CRL-660 Provincial road, residential area in Purok 3 8°40'26.4" N 125°41'38.94" E	High	
ESP-CRL-661 Residential area, river bank, concrete dike in Purok 8 8°40'25.03" N 125°41'36.49" E	High	
ESP-CRL-662 Residential area, river bank, concrete dike in Purok 8 8°40'25.9" N 125°41'36.96" E	High	
ESP-CRL-663 Residential area, barangay road in Purok 1 8°40'27.34" N 125°41'42.61" E	High	
ESP-CRL-664 Residential area, barangay road in Purok 2 8°40'23.77" N 125°41'43.84" E	High	
ESP-CRL-665 Residential area, barangay road, NIA irrigation in Purok 9 8°40'20.75" N 125°41'45.38" E	Moderate	
ESP-CRL-666 Barangay road, NIA	Moderate	

irrigation in Purok 4 8°40'17.76" N 125°41'39.3" E		level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-CRL-667 Residential area, barangay road, rice field in Purok 4 8°40'14.23" N 125°41'36.67" E	Moderate	
ESP-CRL-668 Residential area, barangay road in Purok 4 8°40'12.83" N 125°41'35.92" E	Moderate	
ESP-CRL-669 Barangay road, NIA irrigation in Purok 4 8°40'16.57" N 125°41'36.49" E	Moderate	
ESP-CRL-670 Solar drier, barangay road, rice field in Purok 9 8°40'18.08" N 125°41'46.28" E	Moderate	
ESP-CRL-671 Solar drier, barangay road, rice field in Purok 9 8°40'14.92" N 125°41'47.26" E	Moderate	
ESP-CRL-672 Barangay road, rice field in Purok 5 8°40'9.26" N 125°41'49.6" E	Moderate	
ESP-CRL-673 Residential area, barangay road, rice field in Purok 5 8°40'5.05" N 125°41'51.5" E	Moderate	
ESP-CRL-674 Residential area, barangay road, rice field in Purok 5 8°39'59.9" N 125°41'53.63" E	Moderate	
ESP-CRL-675 Residential area, barangay road, rice field in Purok 6 8°39'54.36" N 125°41'58.31" E	Moderate	
ESP-CRL-676 Residential area, barangay road, rice field in Purok 6 8°39'52.34" N 125°41'59.28" E	Moderate	

ESP-CRL-677 Residential area, barangay road, rice field in Purok 7 8°39'47.16" N 125°42'1.55" E	Moderate	<p>Flood water level usually reaches 1 meter during rainy season (December to February) associated mainly with Wawa River overflow combined with high surface runoff and irrigation water overflow.</p> <p>Recommendations: Avoid construction of important infrastructures within the areas identified with high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.</p>
ESP-CRL-678 Barangay road, rice field in Purok 7 8°39'41.69" N 125°42'3.35" E	Moderate	
ESP-CRL-679 Barangay road, rice field in Purok 7 8°39'38.2" N 125°42'4.54" E	Moderate	
ESP-CRL-680 Barangay road, rice field in Purok 7 8°39'33.84" N 125°42'6.7" E	Moderate	
ESP-CRL-704 Barangay road, NIA irrigation, rice field in Purok 7 8°39'44.96" N 125°41'57.41" E	Moderate	
ESP-CRL-705 Barangay road, NIA irrigation, rice field in Purok 5 8°40'1.2" N 125°41'47.72" E	Moderate	
ESP-CRL-706 Barangay road, NIA irrigation, rice field in Purok 9 8°40'22.84" N 125°41'48.23" E	Moderate	
Barangay Cubo		
ESP-CUB-1103 Cubo Elementary School 8°41'36.7" N 125°39'1.3" E	Very High	<p>Flooding in the Elementary School is due to the overflowing of Agusan River where flood height reaches as high as 2.2 meters. Frequent flooding usually occur in the months of December to February.</p> <p>Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).</p>
ESP-CUB-1104 Residence in Purok 3 8°41'36.7" N 125°39'1.7" E	Very High	<p>Flooding in the residential areas is due to the overflowing of Agusan River where flood height reaches as high as 2.2 meters. Frequent flooding usually occur in the months of December to February.</p> <p>Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).</p>
ESP-CUB-1108 Residence in Purok 4 8°41'40.3" N 125°39'4.4" E	Very High	<p>Flooding in the residential areas is due to the overflowing of Maitom Creek and Agusan River where flood height reaches as high as 2.5 meters during rainy season.</p>

		Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).
ESP-CUB-1107 Along the road in Purok 4 8°41'39.1" N 125°39'4.1" E	High	The area is situated on a lower elevation where flood height reaches as high as 1.5 meters. Frequent flooding usually occur in the months of December to February. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).
ESP-CUB-1115 Along the trail in Purok 2 8°41'21.3" N 125°38'58.6" E	High	
ESP-CUB-1117 Purok 1 waiting shed 8°41'10.3" N 125°38'57.2" E	High	
ESP-CUB-1118 Residence in Purok 1 8°41'10.2" N 125°38'58" E	High	
ESP-CUB-1106 Purok 4 waiting shed 8°41'38" N 125°39'3.9" E	Moderate	The area is situated on a lower elevation where flood height reaches as high as 1.5 meters. Frequent flooding usually occur in the months of December to February. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).
ESP-CUB-1116 Along the road in Purok 1 8°41'21.6" N 125°38'58.6" E	Moderate	This area experiences 0.5 meter high flooding due to the overflowing of Agusan River in the months of December to February. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).
ESP-CUB-1109 Purok 6 waiting shed 8°41'56.4" N 125°38'48.6" E	Low	Sheet flooding in the area is due to the overflowing of Agusan River. Frequent flooding usually occur in the months of December to February. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).
ESP-CUB-1110 Residence in Purok 6 8°41'56.9" N 125°38'47.7" E		
ESP-CUB-1101 Cubo Barangay Hall 8°41'35.6" N 125°39'2.7" E		No reported case of flooding.
ESP-CUB-1102 Purok 3 waiting shed 8°41'36" N 125°39'2.9" E		
ESP-CUB-1105 Cubo Dancing Hall 8°41'36.3" N 125°39'3" E		
ESP-CUB-1111 Along the road in Purok 5 8°41'34.5" N 125°39'4.4" E		

ESP-CUB-1112 Purok 5 waiting shed 8°41'32.2" N 125°39'4.8" E		No reported case of flooding.
ESP-CUB-1113 Purok 2 waiting shed 8°41'32.4" N 125°39'0.5" E		
ESP-CUB-1114 Along the road in Purok 2 8°41'28.4" N 125°38'58.9" E		
Barangay Dakutan		
ESP-DKT-1137 Along the road in Purok 14 8°38'47.1" N 125°40'23.8" E	Very High	Worst flood height in Agusan River reached as high as 3.5 meters during typhoon Agaton. Severe bank erosion was also observed along the riverbanks. Recommendations: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Develop an early warning system (e.g., signage). Installation of river wall may be considered to prevent from further bank erosion along the riverbank of Agusan River.
ESP-DKT-1120 Residence in Purok 15 8°38'35.7" N 125°41'7.6" E	High	Flooding in the residences in Purok 15 is due to the overflowing of Agusan River where flood height reaches as high as 1.7 meters. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially if the flood height will continue to rise. Develop an early warning system (e.g., signage).
ESP-DKT-1128 Along the road in Purok 9 8°39'10.4" N 125°41'18.3" E	High	Flooding in the residences in Purok 9 is due to the overflowing of Agusan River where flood height reaches as high as 1.7 meters. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially if the flood height will continue to rise. Develop an early warning system (e.g., signage).
ESP-DKT-1141 Residence in Purok 13 8°40'9.7" N 125°40'47.4" E	High	The area is situated near the old river channel of Wawa River. Flood height in this area reached as high as 1.4 meters during typhoon Agaton. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially if the flood height will continue to rise. Develop an early warning system (e.g., signage).
ESP-DKT-1136 Residence in Purok 14 8°38'47.7" N 125°40'23.8" E	High	This area is situated about 90 meters away from Agusan River. Worst flood height recorded in the area reached as high as 1.8 meters during typhoon Agaton. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially if the flood height will continue to rise. Develop an early warning system (e.g., signage).
ESP-DKT-1130 Along the road in Purok 11 8°39'12" N 125°40'54.9" E	Moderate	0.5 meter high flooding along the road is due to the overflowing of Agusan River in the months of December to February. Common flooding is only restricted in the rice paddies. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged
ESP-DKT-1143		

Along the road in Purok 13 8°40'5.9" N 125°40'46.6" E		rains especially if the flood height will continue to rise. Develop an early warning system (e.g., signage).
ESP-DKT-1127 Along the road in Purok 9 8°39'10.5" N 125°41'18.7" E	Moderate	0.6 meter high flooding along the road is due to the overflowing of Agusan River in the months of December to February. Common flooding is only restricted in the rice paddies.
ESP-DKT-1133 Rice field in Purok 8 8°39'7.9" N 125°41'7.1" E		Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially if the flood height will continue to rise. Develop an early warning system (e.g., signage).
ESP-DKT-1148 Purok 3 waiting shed 8°40'16.6" N 125°41'25.5" E	Moderate	0.7 meter high flooding along the road is due to the overflowing of Agusan River in the months of December to February. Common flooding is only restricted in the rice paddies.
ESP-DKT-1149 Purok 10 waiting shed 8°40'8" N 125°41'15.2" E		Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially if the flood height will continue to rise. Develop an early warning system (e.g., signage).
ESP-DKT-1142 Along the road in Purok 13 8°40'5.4" N 125°40'46.5" E	Low	Sheet flooding in the area is due to the overflowing of Agusan River and Wawa River in the months of December to February. Usual flooding is only restricted in the rice paddies. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially if the flood height will continue to rise. Develop an early warning system (e.g., signage).
ESP-DKT-1121 Along the road in Purok 15 8°38'44.2" N 125°41'6.9" E	Low	Sheet flooding in the area is due to the overflowing of Agusan River in the months of December to February. Usual flooding is only restricted in the rice paddies. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially if the flood height will continue to rise. Develop an early warning system (e.g., signage).
ESP-DKT-1122 Purok 15 waiting shed 8°38'49.9" N 125°41'7.7" E	Low	
ESP-DKT-1123 Along the road in Purok 9 8°38'49.1" N 125°41'7.3" E	Low	
ESP-DKT-1124 Along the road in Purok 9 8°39'15" N 125°41'26.9" E	Low	
ESP-DKT-1129 Purok 5 waiting shed 8°39'11.1" N 125°41'19.5" E	Low	
ESP-DKT-1131 Along the road in Purok 11 8°39'11.9" N 125°40'54.6" E	Low	

ESP-DKT-1134 Purok 8 waiting shed 8°39'22.5" N 125°41'14.6" E	Low	Sheet flooding in the area is due to the overflowing of Agusan River in the months of December to February. Usual flooding is only restricted in the rice paddies.
ESP-DKT-1138 Purok 14 waiting shed 8°39'0.5" N 125°40'23.1" E	Low	Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially if the flood height will continue to rise. Develop an early warning system (e.g., signage).
ESP-DKT-1119 Dakutan Barangay Hall 8°40'2" N 125°41'1.5" E		No reported case of flooding.
ESP-DKT-1125 Purok 9 waiting shed 8°39'21.7" N 125°41'31.4" E		
ESP-DKT-1126 Along the road in Purok 9 8°39'10.6" N 125°41'18.9" E		
ESP-DKT-1132 Purok 11 waiting shed 8°39'11.3" N 125°40'53.4" E		
ESP-DKT-1135 Purok 16 waiting shed 8°39'24.8" N 125°40'38.2" E		
ESP-DKT-1139 Purok 6 waiting shed 8°38'52.2" N 125°40'39.5" E		
ESP-DKT-1140 Purok 7 waiting shed 8°40'14.5" N 125°40'30.4" E		
ESP-DKT-1144 Purok 13 waiting shed 8°40'4.4" N 125°40'46.1" E		
ESP-DKT-1145 Purok 12 waiting shed 8°39'51.5" N 125°40'36.7" E		
ESP-DKT-1146 Purok 4 waiting shed 8°39'54.2" N 125°40'20" E		
ESP-DKT-1147 Purok 2 waiting shed 8°39'56.7" N 125°40'51.1" E		
ESP-DKT-1150 Dakutan Elementary School 8°39'59.1" N 125°40'54.2" E		

Barangay Duangan

<p>ESP-DNG-17 Residential area in Purok 4 8°36'40.1" N 125°43'48.5" E</p>	<p>High</p>	<p>The area is affected by floodwater due to lack of drainage. Recommendation: Implement flood control measures.</p>
<p>ESP-DNG-19 Residential area in Purok 7 8°36'38.1" N 125°43'51.3" E</p>	<p>High</p>	<p>The area is affected by intense flooding due to poor drainage system. Recommendations: Use a bigger culvert and perform regular declogging of canals. Implement flood control measures.</p>
<p>ESP-DNG-20 Residential area in Purok 7 8°36'37.6" N 125°43'51.7" E</p>		
<p>ESP-DNG-07 Residential, Agricultural Area in Purok 6 8°36'34.3" N 125°42'49.1" E</p>	<p>Moderate</p>	<p>Areas near the creek are affected by floodwater. Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Implement flood control measures.</p>
<p>ESP-DNG-08 Residential, Agricultural Area in Purok 6 8°36'34.2" N 125°42'48.6" E</p>		
<p>ESP-DNG-15 Residential, Agricultural Area in Purok 1 8°36'53.7" N 125°43'41.6" E</p>	<p>Moderate</p>	<p>The area is affected by floodwater due to lack of drainage. Recommendation: Implement flood control measures.</p>
<p>ESP-DNG-16 Residential area in Purok 4 8°36'43.2" N 125°43'50.3" E</p>	<p>Moderate</p>	
<p>ESP-DNG-18 Residential area in Purok 4 8°36'38.7" N 125°43'50.7" E</p>	<p>Moderate</p>	
<p>ESP-DNG-21 Residential area in Purok 7 8°36'36" N 125°43'51.6" E</p>	<p>Moderate</p>	
<p>ESP-DNG-22 Residential area in Purok 7 8°36'33.7" N 125°43'52.1" E</p>	<p>Moderate</p>	
<p>ESP-DNG-23 Residential area in Purok 7 8°36'37.2" N 125°43'48" E</p>	<p>Moderate</p>	
<p>ESP-DNG-24 Residential area in Purok 3</p>	<p>Moderate</p>	

8°36'40.3" N 125°43'46.1" E		
ESP-DNG-01 Residential area in Purok 2 8°36'44.2" N 125°43'46.5" E	Low	Purok 2 is prone to flash/sheet flood particularly those on lower elevation. Recommendation: Implement flood control measures.
ESP-DNG-02 Residential area in Purok 2 8°36'44.7" N 125°43'46.5" E		
ESP-DNG-03 Residential area in Purok 5 8°37'7.8" N 125°43'11.3" E	Low	The area is on a relatively higher elevation. Recommendations: Implement flood control measures. Perform regular declogging of drainages.
ESP-DNG-04 Residential area in Purok 5 8°37'1.1" N 125°42'59.8" E	Low	
ESP-DNG-05 Residential, Agricultural Area in Purok 6 8°36'48" N 125°42'57.5" E	Low	
ESP-DNG-06 Residential, Agricultural Area in Purok 6 8°36'37.6" N 125°42'49.6" E	Low	
ESP-DNG-09 Residential, Agricultural Area in Purok 6 8°36'45.3" N 125°42'53" E	Low	
ESP-DNG-10 Residential area in Purok 5 8°37'4.5" N 125°43'5.6" E	Low	
ESP-DNG-11 Residential area in Purok 5 8°37'4.5" N 125°43'5.8" E	Low	
ESP-DNG-12 Residential area in Purok 5 8°37'6.4" N 125°43'21.8" E	Low	
ESP-DNG-13 Residential area in Purok 1 8°36'55.6" N 125°43'25.6" E	Low	

ESP-DNG-14 Residential, Agricultural Area in Purok 1 8°36'50.8" N 125°43'40.2" E	Low	The area is on a relatively higher elevation. Recommendations: Implement flood control measures. Perform regular declogging of drainages.
ESP-DNG-25 Agricultural Area in Purok 6 8°36'18.7" N 125°42'45.7" E	Low	
Barangay Guadalupe		
ESP-GDL-24 Residential area in Purok 3 8°34'56.8" N 125°42'21.5" E	Very High	Purok is located at the riverbank of Agusan River. The area is prone to flash flood reaching 4.00 meters high. Recommendations: Future habitation and construction of structures in identified flood-prone areas are discouraged. Advice for pre-emptive evacuation of residents during inclement weather condition and occasions of heavy and prolonged rains.
ESP-GDL-25 Residential area in Purok 3 8°34'55.6" N 125°42'19.6" E	Very High	
ESP-GDL-26 Residential, Agricultural area in Purok 9 8°34'43.7" N 125°42'14.7" E	Very High	
ESP-GDL-27 Residential, Agricultural area in Purok 9 8°34'40.2" N 125°42'7.9" E	Very High	
ESP-GDL-28 Residential, Agricultural area in Purok 9 8°34'35.2" N 125°42'1.8" E	Very High	
ESP-GDL-29 Residential, Agricultural area in Purok 10 8°34'33.4" N 125°41'48.6" E	Very High	
ESP-GDL-30 Residential, Agricultural area in Purok 10 8°34'27" N 125°41'37.2" E	Very High	
ESP-GDL-31 Residential, Agricultural area in Purok 10 8°34'22.8" N 125°41'30.4" E	Very High	
ESP-GDL-32 Agricultural area in Purok 10 8°34'9.3" N 125°41'39.4" E	Very High	

ESP-GDL-33 Agricultural area in Purok 10 8°34'8.3" N 125°41'40.9" E	Very High	Purok is located at the riverbank of Agusan River. The area is prone to flash flood reaching 4.00 meters high. Recommendations: Future habitation and construction of structures in identified flood-prone areas are discouraged. Advice for pre-emptive evacuation of residents during inclement weather condition and occasions of heavy and prolonged rains.
ESP-GDL-34 Agricultural area in Purok 10 8°33'57.6" N 125°41'36.8" E	Very High	
ESP-GDL-35 Residential area in Purok 2 8°33'51.3" N 125°41'35.6" E	Very High	
ESP-GDL-09 Agricultural area in Purok 12 8°33'37.9" N 125°42'37.3" E	Very High	Purok is located at the riverbank of Agusan River. The area is prone to flash flood reaching 4.00 meters in height. Recommendations: Future habitation and construction of structures in identified flood-prone areas are discouraged. Advice for pre-emptive evacuation of residents during inclement weather condition and occasions of heavy and prolonged rains.
ESP-GDL-10 Agricultural area in Purok 12 8°33'48.5" N 125°42'34.3" E		
ESP-GDL-01 Residential area in Purok 2 8°34'53.4" N 125°42'28.8" E	High	Purok is located at the riverbank of Agusan River. The area is prone to flash flood reaching 4.00 meters in height. Recommendations: Future habitation and construction of structures in identified flood-prone areas are discouraged. Advice for pre-emptive evacuation of residents during inclement weather condition and occasions of heavy and prolonged rains.
ESP-GDL-07 Residential, Agricultural area in Purok 15 8°33'56.5" N 125°42'55.1" E	High	
ESP-GDL-08 Agricultural area in Purok12 8°33'33.8" N 125°42'41.6" E	High	
ESP-GDL-15 Agricultural area in Purok 14 8°34'41.1" N 125°42'25.4" E	High	
ESP-GDL-11 Agricultural area in Purok 12 8°33'55.4" N 125°42'29.5" E	High	
ESP-GDL-02 Residential area in Purok 2 8°34'54.6" N 125°42'33.2" E	Moderate	The area is susceptible to flash floods and sheet floods during heavy rains.
ESP-GDL-16 Agricultural area in Purok 14 8°34'40.5" N 125°42'40.1" E	Moderate	Recommendation: Develop a good drainage system in the area to prevent flooding.

ESP-GDL-17 Residential, Agricultural area in Purok 1 8°34'39.8" N 125°42'39.6" E	Moderate	The area is susceptible to flash floods and sheet floods during heavy rains. Recommendation: Develop a good drainage system in the area to prevent flooding.
ESP-GDL-18 Residential, Agricultural area in Purok 1 8°34'51.7" N 125°42'37.4" E	Moderate	
ESP-GDL-19 Residential, Agricultural area in Purok 1 8°34'53.9" N 125°42'38.2" E	Moderate	
ESP-GDL-20 Residential, Agricultural area in Purok 4 8°35'25.8" N 125°42'34.1" E	Moderate	
ESP-GDL-03 Residential area in Purok 14 8°34'43.9" N 125°42'38" E	Low	No reported case of flooding in the area. Recommendation: Improve drainage system to prevent flooding.
ESP-GDL-06 Residential, Agricultural area in Purok 15 8°33'56.1" N 125°42'55.8" E		
ESP-GDL-04 Residential, Agricultural area in Purok 13 8°34'20.6" N 125°42'57.4" E		No reported case of flooding in the area. Recommendation: Improve drainage system to prevent flooding.
ESP-GDL-05 Residential, Agricultural area in Purok 13 8°34'19" N 125°42'57.3" E		
ESP-GDL-12 Agricultural area in Purok 12 8°33'51.1" N 125°42'24" E		
ESP-GDL-13 Agricultural area in Purok 13 8°34'12.8" N 125°42'49.2" E		
ESP-GDL-14 Agricultural area in Purok 14 8°34'37.3" N 125°42'40.5" E		
ESP-GDL-21 Residential, Agricultural area in Purok 5 8°35'38.9" N 125°42'35.3" E		

ESP-GDL-22 Residential, Agricultural area in Purok 6 8°35'49.3" N 125°42'37.2" E		No reported case of flooding in the area. Recommendation: Improve drainage system to prevent flooding.
ESP-GDL-23 Residential, Agricultural area in Purok 7 8°36'12.5" N 125°42'45.1" E		
Barangay Guibonon		
ESP-GBN-427 Along road in Purok 1 8°37'1.7" N 125°21'25.6" E		No reported case of flooding.
ESP-GBN-428 Along road in Purok 1 8°36'59.1" N 125°21'23.9" E		
ESP-GBN-429 Along road in Purok 1 8°36'58.1" N 125°21'23" E		
ESP-GBN-430 Along road in Purok 1 8°36'56.5" N 125°21'20.3" E		
ESP-GBN-431 Along road in Purok 1 8°36'55.1" N 125°21'18" E		
ESP-GBN-432 Community area in Purok 1 8°36'46.7" N 125°20'51.4" E		
ESP-GBN-433 Community area in Purok 1 8°36'46.7" N 125°20'51.4" E		
ESP-GBN-434 Community area in Purok 1 8°36'46.7" N 125°20'51.4" E		
ESP-GBN-435 Community area in Purok 1 8°36'44.2" N 125°20'52" E		
ESP-GBN-436 Along road in Purok 1 8°36'43" N 125°20'56" E		
ESP-GBN-437 Along road in Purok 1 8°36'43" N 125°20'57.1" E		

ESP-GBN-438 Along road in Purok 1 8°36'42.3" N 125°20'59.9" E		No reported case of flooding.
ESP-GBN-439 Along road in Purok 1 8°36'45.3" N 125°21'5.4" E		
ESP-GBN-440 Along road in Purok 1 8°36'46.1" N 125°21'7" E		
ESP-GBN-441 Along road in Purok 1 8°36'46.8" N 125°21'8.2" E		
ESP-GBN-442 Along road in Purok 1 8°36'50.3" N 125°21'5.9" E		
Barangay Hawilian		
ESP-HWL-1214 Hawilian Day Care Center 8°40'2.9" N 125°38'21" E	Very High	Hawilian Day Care Center is situated near the Agusan River where flood height reaches as high as 1.3 meters during rainy season. Several river systems such as Hawilian, Wawa and Agusan River also contributes to the flooding in the barangay. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).
ESP-HWL-1211 Residence in Purok 1 8°40'20.7" N 125°38'21.1" E	Very High	The residential area is situated in a lower elevation creating ponding effect during rainy season. Several river systems such as Hawilian, Wawa and Agusan River are the main source of flood in the barangay. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).
ESP-HWL-1213 Purok 5 waiting shed 8°40'7.2" N 125°38'25.7" E	Very High	The residential area is situated near the Agusan River where flood height reaches as high as 1.3 meters during rainy season. Several river systems such as Hawilian, Wawa and Agusan River also contribute to the flooding in the barangay. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).
ESP-HWL-1215 Residence in Purok 3 8°39'57.1" N 125°38'19.3" E		
ESP-HWL-1205 Hawilian River in Purok 4 8°39'56.4" N 125°37'47.7" E	Very High	Worst flood recorded in Hawilian River reached as high as 2.5 meters. Frequent flooding usually occur in the months of December to February. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).
ESP-HWL-1209 Purok 8 proper 8°40'13.5" N 125°38'1.8" E	High	Flooding in the area is due to the overflowing of Hawilian River, Wawa and Agusan River where flood height reaches as high as 1.3 meters during rainy season. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).

<p>ESP-HWL-1204 Along the road in Purok 4 8°39'55.4" N 125°37'43.1" E</p>	High	<p>Flooding in the barangay is due to the overflowing of Hawilian Creek, Wawa and Agusan River where flood height reaches as high as 1.1 meters during rainy season.</p> <p>Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).</p>
<p>ESP-HWL-1192 Residences in Purok 2 8°40'0" N 125°38'17.6" E</p>	High	<p>Flooding in the barangay is due to the overflowing of Hawilian River, Wawa and Agusan River where flood height reaches as high as 1.3 meters during rainy season.</p> <p>Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).</p>
<p>ESP-HWL-1193 Purok 3 waiting shed 8°40'0.2" N 125°38'16.7" E</p>	High	
<p>ESP-HWL-1206 Residence in Purok 4 8°39'56.2" N 125°37'43.5" E</p>	High	
<p>ESP-HWL-1216 Hawilian Muti-purpose Social Hall 8°40'2.4" N 125°38'21.7" E</p>	High	
<p>ESP-HWL-1212 Purok 6 waiting shed 8°40'47.9" N 125°38'3.9" E</p>	High	
<p>ESP-HWL-1210 Hawilian Elementary School 8°40'18.8" N 125°38'14" E</p>	High	<p>Several river system such as Wawa, Ujot, Agusan and Hawilian River contributes to the flooding in this area where worst flood reaches as high as 1.3 meters in the months of December to February.</p> <p>Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).</p>
<p>ESP-HWL-1217 Hawilian Barangay Hall 8°40'2.7" N 125°38'9.4" E</p>	Low	<p>Since the Elementary School is situated in a lower elevation it creates ponding effect during rainy season. Several river systems such as Hawilian, Wawa and Agusan River are the main source of flooding in the barangay.</p> <p>Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).</p>
<p>ESP-HWL-1194 Purok 7 waiting shed 8°38'26.7" N 125°36'26.3" E</p>		<p>The Barangay Hall is situated in a higher elevation where 0.4 meter high flooding is experienced in the months of December to February.</p> <p>Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).</p>
<p>ESP-HWL-1195 Along the road in Purok 7 8°38'34" N 125°36'33.5" E</p>		
<p>ESP-HWL-1196 Along the road in Purok 7 8°38'42.1" N 125°36'38.1" E</p>		
<p>No reported case of flooding.</p>		

ESP-HWL-1197 Along the road in Purok 7 8°38'50.1" N 125°36'42.3" E		No reported case of flooding.
ESP-HWL-1198 Along the road in Purok 4 8°38'53.4" N 125°36'36.3" E		
ESP-HWL-1199 Along the road in Purok 4 8°39'7.8" N 125°36'42.5" E		
ESP-HWL-1200 Along the road in Purok 4 8°39'16.2" N 125°36'54.2" E		
ESP-HWL-1201 Along the road in Purok 4 8°39'24.4" N 125°37'5.2" E		
ESP-HWL-1202 Along the road in Purok 4 8°39'39.1" N 125°37'12.6" E		
ESP-HWL-1203 Along the road in Purok 4 8°39'49.4" N 125°37'31.5" E		
ESP-HWL-1207 Along the road in Purok 4 8°40'3.3" N 125°37'42" E		
ESP-HWL-1208 Hawilian National High School 8°40'7.9" N 125°37'35.6" E		
Barangay Kalabuan		
ESP-KLB-01 Purok 2 8°36'46.7" N 125°21'8.1" E		No reported case of flooding.
ESP-KLB-02 Purok 2 8°36'51.9" N 125°21'5.1" E		
ESP-KLB-03 Purok 2 8°36'57.1" N 125°21'7.7" E		

ESP-KLB-04 Purok 2 8°36'56.1" N 125°21'8.9" E		No reported case of flooding.
ESP-KLB-05 Purok 2 8°36'55.4" N 125°21'9.7" E		
ESP-KLB-06 Purok 2 8°36'54.2" N 125°21'12.4" E		
ESP-KLB-07 Purok 2 8°36'54.5" N 125°21'15.3" E		
ESP-KLB-08 Houses on top of a very steep ridge in Purok 2 8°36'54.6" N 125°21'17" E		
ESP-KLB-09 Purok 2 8°36'55.2" N 125°21'18.3" E		
ESP-KLB-10 Purok 2 8°36'57.2" N 125°21'21.8" E		
ESP-KLB-11 Purok 2 8°36'59.1" N 125°21'24" E		
ESP-KLB-12 Purok 2 8°37'2.4" N 125°21'26.1" E		
ESP-KLB-13 8°37'7.5" N 125°21'33.7" E		
ESP-KLB-14 8°37'12.3" N 125°21'37.6" E		
ESP-KLB-15 8°37'15.7" N 125°21'36.9" E		
ESP-KLB-16 Residential houses on a very steep slope in Purok 1 8°37'20.2" N 125°21'33.1" E		
ESP-KLB-17 Residential houses on a very steep slope in Purok 1 8°37'25.4" N 125°21'32.1" E		

ESP-KLB-18 Residential houses on a very steep slope in Purok 1 8°37'28.5" N 125°21'35.7" E		No reported case of flooding.
ESP-KLB-19 Residential houses on a very steep slope in Purok 1 8°37'44.9" N 125°21'48.9" E		
ESP-KLB-20 Residential houses on a very steep slope in Purok 1 8°37'41.1" N 125°21'54.7" E		
Barangay Kinamaybay		
ESP-KNM-1397 Ujot River in Purok 3 8°44'8.3" N 125°24'44.1" E	Very High	Worst flood recorded in Ujot River reached as high as 2.5 meters during typhoon Pablo. According to the residents, frequent flooding usually occur in the months of December to February. Recommendations: Develop an early warning system (e.g., signage). Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-KNM-1396 Near Ujot River in Purok 3 8°44'8.8" N 125°24'44.7" E	High	Flooding in this area is due to the overflowing of Ujot River where flood height reached as high as 1.5 meters during typhoon Pablo. Recommendation: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially the residents near Ujot River.
ESP-KNM-1402 Kinamaybay Creek in Purok 1 8°44'10.1" N 125°24'56.9" E	High	Frequent flooding in Kinamaybay Creek usually occur in the months of December to February where flood height reached as high as 1.8 meters during typhoon Pablo. Recommendations: Develop an early warning system (e.g., signage). Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-KNM-1412 Kinamaybay Creek in Purok 2 8°44'4.4" N 125°25'2.5" E	High	Worst flood recorded in Kinamaybay Creek reached as high as 1.2 meters during typhoon Pablo. According to the residents, frequent flooding usually occur in the months of December to February. Recommendations: Develop an early warning system (e.g., signage). Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-KNM-1415 Kinapaitan Creek in Purok 1 8°44'15.4" N 125°25'11.3" E	High	Worst flood recorded in Kinapaitan Creek reached as high as 1.5 meters during typhoon Pablo. According to the residents, frequent flooding usually occur in the months of December to February. Recommendations: Develop an early warning system (e.g., signage). Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-KNM-1404 Near Kinamaybay Creek	Moderate	0.50 meter high flooding experienced in the area is due to the overflowing of Ujot River in the months of December to February.

in Purok 1 8°44'10.4" N 125°24'57" E		Worst flood recorded happened during typhoon Pablo. Recommendation: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially if the flood level will continue to rise.
ESP-KNM-1395 Near Ujot River in Purok 3 8°44'9.1" N 125°24'45" E	Moderate	0.8 meter high flooding experienced in the area is due to the overflowing of Ujot River in the months of December to February. Worst flood recorded happened during typhoon Pablo. Recommendation: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially the residents near Ujot River.
ESP-KNM-1410 Purok 2 proper 8°44'4.6" N 125°25'2.8" E	Moderate	Flooding in this area is due to the overflowing of Kinapaitan Creek where 0.5 meter high flooding is usually experienced in the months of December to February.
ESP-KNM-1416 Near Kinapaitan Creek in Purok 1 8°44'14.7" N 125°25'10.4" E	Moderate	Recommendation: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially if the flood level will continue to rise.
ESP-KNM-1411 Purok 2 proper 8°44'4.5" N 125°25'2.8" E	Low	Flooding in this area is due to the overflowing of Kinapaitan Creek where 0.5 meter high flooding is usually experienced in the months of December to February. Recommendation: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially if the flood level will continue to rise.
ESP-KNM-1413 Purok 1 proper 8°44'11.8" N 125°25'7.2" E	Low	
ESP-KNM-1414 Purok 1 proper 8°44'13.7" N 125°25'9.3" E	Low	
ESP-KNM-1401 Purok 3 proper 8°44'10.9" N 125°24'56.9" E	Low	Sheet flooding was due to the overflowing of Ujot River during typhoon Pablo. Frequent flooding in the barangay is usually experienced in the months of December to February. Recommendation: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains especially if the flood level will continue to rise.
ESP-KNM-1399 Residence in Purok 3 8°44'10.3" N 125°24'49.1" E	Low	The area serves as a catchment basin and creates ponding effect during rainy season. Recommendations: Back-fill materials may be applied to elevate the area. Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains.
ESP-KNM-1390 Kinamaybay Barangay Hall 8°44'9.7" N 125°24'55.9" E		No reported case of flooding.
ESP-KNM-1391 Kinamaybay Health Center 8°44'9.5" N 125°24'55.5" E		

ESP-KNM-1392 Kinamaybay Day Care Center 8°44'10.1" N 125°24'53.3" E		No reported case of flooding.
ESP-KNM-1393 Tribal House in Purok 3 8°44'10.6" N 125°24'51.9" E		
ESP-KNM-1394 Near Ujot River in Purok 3 8°44'9.3" N 125°24'45.1" E		
ESP-KNM-1398 Purok 3 proper 8°44'10.1" N 125°24'46.1" E		
ESP-KNM-1400 Purok 3 proper 8°44'11.1" N 125°24'55.1" E		
ESP-KNM-1403 Near Kinamaybay Creek in Purok 1 8°44'10.6" N 125°24'57.2" E		
ESP-KNM-1405 Purok 1 proper 8°44'9.7" N 125°25'0.3" E		
ESP-KNM-1406 Kinamaybay Elementary School 8°44'9.2" N 125°25'1.5" E		
ESP-KNM-1407 Purok 1 waiting shed 8°44'9.1" N 125°25'3.9" E		
ESP-KNM-1408 Purok 2 proper 8°44'7.3" N 125°25'3.7" E		
ESP-KNM-1409 Purok 2 proper 8°44'6.1" N 125°25'4.1" E		
Barangay Labao		
ESP-LAB-194 Labao Bridge in Purok 2 8°37'45.5" N 125°42'45.7" E	Very High	Labao Bridge passing barangay proper. Stream is approximately 20 meters wide with bank height of 8 meters. Flood reached the handle bars of the bridge. Recommendations: Monitor weather update/advisories regularly. Develop an early warning device/system. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Relocate residents living near the channel.
ESP-LAB-185	Very High	Minaslat Creek passing Purok 4. Stream width is approximately 15

Minaslat Creek in Purok 3 8°37'44" N 125°42'48" E		meters wide with bank height of 6 meters. Flood water reaches up to the top of the bridge. Recommendations: Monitor weather update/advisories regularly. Develop an early warning device/system. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Relocate residents living near the channel.
ESP-LAB-189 Near Minaslat Creek in Purok 3 8°37'38" N 125°42'56.9" E	Very High	Near Minaslat Creek. Normal flooding is 0.3 meter high. Recommendations: Monitor weather update/advisories regularly. Develop an early warning device/system. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Relocate residents living near the channel.
ESP-LAB-184 Barangay Hall of Labao in Purok 2 8°37'44.7" N 125°42'45.7" E	High	Barangay Hall of Labao. Frequently flooded due to river overflow of Labao River. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LAB-197 Purok 1 proper 8°37'57.3" N 125°42'44.9" E	High	Purok 1 proper flooded up to 1.0 meter high. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LAB-195 Purok 1 proper 8°37'49.4" N 125°42'44.1" E	High	Purok 1 proper. Flooded due to river overflow. Flood height reaches up to 1.4 meters high. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LAB-193 Purok 2 Proper 8°37'42.3" N 125°42'45.8" E	High	Purok 2 Proper frequently flooded. Flood height during typhoon Agaton reached up to 1.3 meters. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LAB-196 Purok 2 proper 8°37'44.5" N 125°42'44" E	High	Purok 2 proper. Flooded due to river overflow. Flood height reaches up to 1.4 meters. Area approximately 4 meters from stream bank. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LAB-186 Purok 3 proper 8°37'41.8" N 125°42'50.5" E	High	Purok 3 proper frequently flooded up to 1.3 meters high due to river overflow of Labao River and Minaslat Creek. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LAB-187 Purok 3 proper 8°37'39.9" N 125°42'52.8" E	High	
ESP-LAB-188 Purok 3 proper 8°37'38.2" N 125°42'54.4" E	High	
ESP-LAB-181 Rice field area/open fields in Purok 3 8°37'58.4" N	High	Rice field area/open fields. Flooded during Typhoon Agaton. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity

125°43'5.3" E		(soil content).
ESP-LAB-182 Rice field area/open fields in Purok 3 8°37'54.1" N 125°42'59.3" E	High	
ESP-LAB-183 Rice field area/open fields in Purok 3 8°37'48.5" N 125°42'49.7" E	High	
ESP-LAB-191 Barangay Evacuation Center 8°37'37.9" N 125°42'49.4" E	Moderate	Barangay Evacuation Center flooded during Typhoon Agaton. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LAB-200 Barangay road in Purok 4 8°37'28.7" N 125°43'6.4" E	Moderate	Barangay road flooded due to river over flow. Flood water reaches up to 0.5 meter. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LAB-198 Barangay Road in Purok 1 8°37'52.2" N 125°42'47.7" E	Moderate	Barangay road flooded due to river over flow. Flood water reaches up to 0.8 meter.
ESP-LAB-199 Barangay Road in Purok 1 8°37'49.2" N 125°42'49.6" E		Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LAB-192 Labao Elementary School 8°37'41.4" N 125°42'47.7" E	Moderate	Labao Elementary School experiences 0.5 meter high flooding in some portions of the school. Area is relatively in higher elevation than the surrounding areas. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LAB-190 Purok 4 proper 8°37'35.1" N 125°42'56.6" E	Moderate	Purok 4 proper is relatively in higher elevation compared to adjacent area. Flood water reaches up to 0.6 meter high. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
Barangay Langag		
ESP-LNG-20 Floodplain of Agusan River in Purok 2 8°41'29" N 125°38'36.2" E	Very High	Area frequently flooded due to River confluence of Ohot River and Agusan River. Flooding reaches up to 2.4 meters high. Recommendations: Monitor weather update/advisories regularly. Evacuate the area if warning for evacuation has been ordered by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LNG-21 Floodplain of Agusan River in Purok 2 8°41'28.1" N 125°38'36.3" E	Very High	Area frequently flooded due to river confluence of Ohot River and Agusan River. Flooding reaches up to 2.6 meters high. Recommendations: Avoid future settlement along this area. Monitor weather update/advisories regularly. Evacuate the area if warning for evacuation has been ordered by authorities. Observe for rapid

		increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LNG-23 Bank of Agusan River in Purok 2 8°41'29.6" N 125°38'41.8" E	Very High	Frequently flooded due to river overflow of Agusan River. Flood height reached up to 1.8 meters during Typhoon Agaton. Recommendations: Avoid future settlement along this area. Monitor weather update/advisories regularly. Evacuate the area if warning for evacuation has been ordered by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LNG-22 Floodplain of Agusan River in Purok 2 8°41'29.5" N 125°38'38.2" E	Very High	Frequently flooded due to river overflow of Agusan River. Flood height reached up to 3.5 meters during Typhoon Agaton. Recommendations: Avoid future settlement along this area. Monitor weather update/advisories regularly. Evacuate the area if warning for evacuation has been ordered by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LNG-6 Ohot River in Purok 5 8°41'25.7" N 125°37'29" E	Very High	Near channel of Ohot River. Frequently flooded during heavy rainfall. Highest flood recorded was during Typhoon Agaton which reached up to 2.3 meters. Ohot River is approximately 70 meters wide. Recommendations: Develop an early warning device/system. Monitor weather update/advisories regularly. Evacuate the area if warning for evacuation has been ordered by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LNG-25 Purok 7 Waiting shed 8°41'17.6" N 125°37'36" E	Very High	Near channel of Ohot River. Frequently flooded during heavy rainfall. Highest flood recorded was during Typhoon Agaton which reached up to 2.4 meters. Ohot River is approximately 70 meters wide.
ESP-LNG-26 Purok 7 proper 8°41'16.5" N 125°37'35.2" E	Very High	Recommendations: Avoid future settlement along this area. Monitor weather update/advisories regularly. Evacuate the area if warning for evacuation has been ordered by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Relocation of community is highly recommended along this area.
ESP-LNG-16 Ohot River in Purok 1 8°41'18.8" N 125°38'24.5" E	Very High	Observation point taken near meander bend of Ohot River. Ohot river frequently takes a short cut and passes through this area during flooding carving a new river channel. Highest flood recorded was during Typhoon Agaton which reached up to 2.3 meters. Recommendations: Avoid future settlement along this area. Monitor weather update/advisories regularly. Evacuate the area if warning for evacuation has been ordered by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LNG-7 Ohot Riverbank in Purok 5 8°41'25.9" N 125°37'28.7" E	High	Adjacent to Ohot River. Highest flood recorded was 1.2 meters during Typhoon Agaton. Recommendations: Monitor weather update/advisories regularly. Evacuate the area if warning for evacuation has been ordered by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LNG-11 Barangay road in Purok 3 8°41'50.3" N	High	Area flooded due to River overflow of Ohot and Agusan River. Observation point was taken 500 meters straight from Ohot River meander bend.

125°38'8" E		Recommendations: Monitor weather update/advisories regularly. Evacuate the area if warning for evacuation has been ordered by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).	
ESP-LNG-24 Floodplain of Agusan River in Purok 2 8°41'44.5" N 125°38'29.8" E	High	Frequently flooded due to river overflow of Agusan River. Flood height reached up to 3.4 meters during Typhoon Agaton. Recommendations: Avoid future settlement along this area. Monitor weather update/advisories regularly. Evacuate the area if warning for evacuation has been ordered by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).	
ESP-LNG-15 Bank of Ohot River in Purok 1 8°41'18.5" N 125°38'22.4" E	High	Frequently flooded due to river overflow of Ohot River. Flood height reached up to 1.2 meters during Typhoon Agaton. Recommendations: Monitor weather update/advisories regularly. Evacuate the area if warning for evacuation has been ordered by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).	
ESP-LNG-10 Purok 3 proper 8°41'56.3" N 125°37'55.1" E		Area is elevated. No reported case of flooding.	
ESP-LNG-13 Barangay road in Purok 3 8°41'46.9" N 125°38'18.7" E			
ESP-LNG-14 Purok 1 proper 8°41'17.5" N 125°38'13.4" E			
ESP-LNG-17 Barangay road in Purok 1 8°41'18.9" N 125°38'24.1" E			
ESP-LNG-18 Barangay road in Purok 1 8°41'23.2" N 125°38'24.7" E			
ESP-LNG-19 Purok 2 proper 8°41'29.3" N 125°38'33.9" E			
ESP-LNG-8 Barangay road in Purok 3 8°41'41.5" N 125°37'34.3" E			
ESP-LNG-9 Barangay road in Purok 3 8°41'50.3" N 125°37'44.9" E			
ESP-LNG-2 Purok 4 proper 8°41'35.9" N 125°37'23.5" E			No reported case of flooding.

ESP-LNG-3 Purok 6 proper 8°41'31.6" N 125°37'20.1" E		No reported case of flooding.
ESP-LNG-1 Barangay Hall of Langag 8°41'31.6" N 125°37'23.5" E		No reported case of flooding. Can be used as evacuation center.
ESP-LNG-5 Bank of Ohot River in Purok 5 8°41'25.6" N 125°37'27.7" E		No reported case of flooding. Elevated portion of Purok 5. Houses were built in this area. Bank erosion is active. Recommendations: Develop an early warning device/system. Monitor weather update/advisories regularly. Evacuate the area if warning for evacuation has been ordered by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-LNG-4 Langag Elementary School 8°41'29.2" N 125°37'25.9" E		No reported case of flooding. Frequently used as evacuation center.
Barangay Maasin		
ESP-MSN-165 Purok 1 proper 8°41'1.3" N 125°28'31.6" E	Low	Agsabo River. Observation point taken on top of river bank. Flooding is frequent especially during heavy rainfall. Bank erosion is active. Highest flood height was recorded during typhoon Pablo. Channelized flooding only. Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Construct dike/riprap to prevent further bank erosion.
ESP-MSN-159 Ohot and Agsabo River confluence 8°40'55.8" N 125°28'29.6" E	Low	Ohot and Agsabo River confluence. Observation point taken on top of river bank. Flooding is frequent especially during heavy rainfall. Bank erosion is active. Highest flood height was recorded during typhoon Pablo. Channelized flooding only. Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Construct dike/riprap to prevent further bank erosion.
ESP-MSN-158 Barangay Hall of Maasin 8°40'58.4" N 125°28'32.4" E		No reported case of flooding.
ESP-MSN-160 Purok 4 proper 8°40'57.9" N 125°28'33.9" E		
ESP-MSN-161 Purok 4 proper 8°40'58.6" N 125°28'34.5" E		
ESP-MSN-162 Purok 4 proper 8°40'58.6" N 125°28'36.1" E		
ESP-MSN-163 Purok 3 proper 8°40'59.9" N 125°28'36" E		

ESP-MSN-164 Purok 1 proper 8°41'2.1" N 125°28'32.4" E		No reported case of flooding.
ESP-MSN-166 Maasin Elementary School 8°41'4.3" N 125°28'36.1" E		
ESP-MSN-167 Barangay road of Maasin in Purok 7 8°41'2.6" N 125°28'33.8" E		
ESP-MSN-168 Barangay road of Maasin in Purok 7 8°41'6.6" N 125°28'44.3" E		
ESP-MSN-169 Barangay road of Maasin in Purok 7 8°41'7.9" N 125°28'47.7" E		
ESP-MSN-170 Barangay road of Maasin in Purok 7 8°41'11.2" N 125°28'53.9" E		
ESP-MSN-171 Barangay road of Maasin in Purok 7 8°41'16.3" N 125°28'52.3" E		
ESP-MSN-172 Barangay road of Maasin in Purok 7 8°41'32" N 125°28'53.2" E		
ESP-MSN-173 Barangay road of Maasin in Purok 7 8°41'46" N 125°28'49.9" E		
ESP-MSN-174 Purok 5 proper 8°42'12.5" N 125°28'40.1" E		
ESP-MSN-175 Purok 5 proper 8°42'19.7" N 125°28'43.2" E		
ESP-MSN-176 San Jose Elementary School 8°42'22.4" N 125°28'40.1" E		

ESP-MSN-177 Purok 5 proper 8°42'21.2" N 125°28'47" E		No reported case of flooding.
Barangay Mac-Arthur		
ESP-MCR-275 Mac Arthur Barangay Hall 8°35'10.3" N 125°44'26.3" E		No reported case of flooding.
ESP-MCR-276 Mac Arthur Barangay Hall Area 8°35'10" N 125°44'25.9" E		
ESP-MCR-277 Datu Mankumbate Elementary School 8°35'10" N 125°44'24.7" E		
ESP-MCR-278 Purok 1 Community area 8°35'10" N 125°44'27.6" E		
ESP-MCR-279 Purok 1 Community area 8°35'6.9" N 125°44'27.5" E		
ESP-MCR-280 Purok 1 Community area 8°35'7.4" N 125°44'26" E		
ESP-MCR-281 Waiting shed in Purok 3 8°35'6" N 125°44'25.8" E		
ESP-MCR-282 Purok 3 community area 8°35'5" N 125°44'25.9" E		
ESP-MCR-283 Purok 3 community area 8°35'3.9" N 125°44'24.7" E		
ESP-MCR-284 Purok 2 Barangay Captain's house 8°35'6.7" N 125°44'6.4" E		
ESP-MCR-285 Along the road in Purok 2 8°35'6.3" N 125°44'8.1" E		
ESP-MCR-286 Along the road in Purok 2 8°35'7" N 125°44'11.9" E		

ESP-MCR-287 Along the road in Purok 2 8°35'6.7" N 125°44'16.3" E		No reported case of flooding.
ESP-MCR-288 Waiting shed in Purok 2 8°35'8.7" N 125°44'24.7" E		
ESP-MCR-289 Along the road in Purok 3 8°35'39.5" N 125°44'33" E		
ESP-MCR-290 Waiting shed in Purok 1 8°35'9.8" N 125°44'28.8" E		
ESP-MCR-291 Along the Road in Purok 1 8°35'30.8" N 125°44'44.3" E		
ESP-MCR-292 Along the Road in Purok 1 8°35'30.6" N 125°44'48.7" E		
ESP-MCR-293 Along the Road in Purok 1 8°35'18.7" N 125°44'42.3" E		
ESP-MCR-294 Along the Road in Purok 1 8°35'12.7" N 125°44'38.3" E		
Barangay Mahagcot		
ESP-MGT-119 Floodplain of Wawa River in Purok 8 8°41'34.1" N 125°41'50.5" E	High	Flooded due to river overflow of Wawa river. Approximately 200 meters away from channel. During flooding, water from Wawa River will take a short cut to the nearest meander bend especially to areas situated in lower elevation. Lateral erosion is also active. Recommendations: Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-MGT-120 Floodplain of Wawa River in Purok 6 8°41'29" N 125°41'48.2" E	High	Flooded due to river overflow of Wawa river. Approximately 60 meters away from channel. During flooding, water from Wawa River will take a short cut to the nearest meander bend especially to areas situated in low elevation. Lateral erosion is also active. Recommendations: Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-MGT-128 Purok 2 proper 8°40'50" N 125°41'18.1" E	High	Flooded due to river overflow of Wawa River. Area is approximately 150 meters away from Wawa River. Flood height reaches up to 1.2 meters. Highest flood height recorded was during Typhoon Agaton.

		Recommendations: Develop an early warning device/system. Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-MGT-125 Purok 4 proper 8°41'6.7" N 125°41'18.7" E	High	Flooded due to river overflow of Wawa River. Area is approximately 300 meters away from Wawa River. Flood height reaches up to 1.2 meters. Highest flood height recorded was during Typhoon Agaton. Recommendations: Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-MGT-126 Wawa River in Purok 2 8°40'45.7" N 125°41'21.7" E	High	Flooded due to river overflow of Wawa River. Area is approximately 50 meters away from Wawa River. Flood height reaches up to 1.4 meters. Highest flood height recorded was during Typhoon Agaton. Recommendations: Develop an early warning device/system. Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-MGT-127 Floodplain of Wawa River in Purok 2 8°40'46.3" N 125°41'19.2" E	High	Flooded due to river overflow of Wawa River. Area is approximately 70 meters away from Wawa River. Flood height reaches up to 1.3 meters. Highest flood height recorded was during Typhoon Agaton. Recommendations: Develop an early warning device/system. Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-MGT-118 Bank of Wawa River in Purok 8 8°41'42.6" N 125°41'50.6" E	High	Point taken from Wawa Riverbank. Wawa River is approximately 100 meters wide. Bank height where observation point was taken is about 8 meters. Highest recorded flooding was during Typhoon Agaton. Bank erosion is active. Tension cracks were also observed indicating areas where bank collapse is likely to take place. Recommendations: Develop an early warning device/system. Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-MGT-117 Bank of Wawa River in Purok 8 8°41'49.7" N 125°41'53" E	High	Point taken from Wawa Riverbank. Wawa River is approximately 100 meters wide. Bank height where point was taken is about 8 meters. Highest recorded flooding was during Typhoon Agaton. Bank erosion is active. Recommendations: Develop an early warning device/system. Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-MGT-114 Barangay Hall of Mahagcot 8°41'12.1" N 125°41'21.2" E	Moderate	Barangay Hall of Mahagcot. Moderately flooded due to river overflow. Flood height in this area is 0.5 meter. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-MGT-116 Adjacent to Wawa River in Purok 8 8°41'49.5" N 125°41'52.6" E	Moderate	Flooded due to river overflow of Wawa river. Approximately 20 meters away from channel. Recommendations: Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).

ESP-MGT-129 Purok 3 proper 8°40'58.5" N 125°41'18" E	Moderate	Moderately flooded due to river overflow. Flood height reaches up to 0.6 meter. Highest flood height recorded was during Typhoon Agaton.
ESP-MGT-130 Purok 3 proper 8°41'12.3" N 125°41'10.5" E		Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-MGT-115 Purok 8 proper 8°41'49.7" N 125°41'51.8" E		Area is elevated. Flood limit of Wawa river. No reported case of flooding.
ESP-MGT-121 Imelda Elementary School in Purok 6 8°41'20.1" N 125°41'32.5" E		Area is situated in a slope. No reported case of flooding.
ESP-MGT-122 Purok 7 proper 8°41'32.7" N 125°41'28.2" E		
ESP-MGT-123 Purok 6 proper 8°41'18.7" N 125°41'26.5" E		
ESP-MGT-124 Purok 5 proper 8°41'10.7" N 125°41'15.7" E		
ESP-MGT-131 Purok 1 proper 8°41'11.8" N 125°41'3" E		No reported case of flooding.
ESP-MGT-132 Purok 1 proper 8°41'10.3" N 125°40'58.4" E		
Barangay Maliwanag		
ESP-MWG-152 Purok 2 8°31'52.5" N 125°31'47.4" E	Very High	Libang River approximately 20-25 meters wide. Highest recorded flooding was during Typhoon Pablo which reached up to 3 meters. Bank erosion is active. Recommendations: Develop an early warning device/system. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Construct dike/riprap to prevent further bank erosion.
ESP-MWG-145 Purok 1 8°32'25.9" N 125°31'35.7" E	High	Creek approximately 5 meters wide draining towards Libang River. Frequently flooded during heavy rainfall. Flood height reached up to 1.5 meters during Typhoon Pablo. Channelized flooding only. Recommendations: Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-MWG-153 Barangay Proper 8°31'49.7" N 125°31'49.7" E		Area is elevated. No reported case of flooding.

ESP-MWG-154 Barangay Hall 8°31'46.8" N 125°31'49.9" E		Area is elevated. No reported case of flooding.
ESP-MWG-155 Maliwanag Elementary School 8°31'44.9" N 125°31'49.6" E		
ESP-MWG-161 Trail to Barangay Maliwanag Proper in Purok 2 8°32'4.5" N 125°31'49" E		Area is situated on a higher elevation. No reported case of flooding.
ESP-MWG-162 Trail to Barangay Maliwanag Proper in Purok 2 8°32'30.5" N 125°31'48" E		
ESP-MWG-163 Trail to Barangay Maliwanag Proper in Purok 2 8°32'9.6" N 125°31'50.5" E		
ESP-MWG-164 Trail to Barangay Maliwanag Proper in Purok 2 8°31'50.8" N 125°31'49.9" E		
ESP-MWG-165 Trail to Barangay Maliwanag Proper in Purok 2 8°31'55.1" N 125°31'49" E		
ESP-MWG-166 Trail to Barangay Maliwanag Proper in Purok 2 8°31'59.1" N 125°31'46.9" E		
ESP-MWG-146 Purok 1 8°32'17.6" N 125°31'36.1" E		
ESP-MWG-147 Purok 1 8°32'12" N 125°31'37.5" E		
ESP-MWG-148 Purok 1 8°32'11.8" N 125°31'39.9" E		

ESP-MWG-149 Purok 2 8°32'5.1" N 125°31'42" E		Area is situated on a higher elevation. No reported case of flooding.
ESP-MWG-150 Purok 2 8°32'1.2" N 125°31'42" E		
ESP-MWG-151 Purok 2 8°31'56" N 125°31'43.7" E		
Barangay Milagros		
ESP-MLG-05 Residential areas proximate to the river in Purok 1 8°38'10.7" N 125°34'49.7" E	Very High	The area is proximate to Silaw River. Frequent flooding is experienced during heavy and prolonged rains. Recommendation: Observe for rapid increase in river/creek water level, possibly accompanied by increased turbidity (soil/rock content) and evacuate, whenever necessary.
ESP-MLG-06 Residential areas proximate to the river in Purok 1 8°38'12" N 125°34'49.2" E	Moderate	The area is proximate to Silaw River. Frequent flooding is experienced during heavy and prolonged rains. Recommendation: Observe for rapid increase in river/creek water level, possibly accompanied by increased turbidity (soil/rock content) and evacuate, whenever necessary.
ESP-MLG-07 Residential areas proximate to the river in Purok 1 8°38'12.5" N 125°34'49" E		
ESP-MLG-08 Residential areas proximate to the river in Purok 1 8°38'13.6" N 125°34'48.9" E	Low	The area is proximate to Silaw River. Frequent flooding is experienced during heavy and prolonged rains. Recommendation: Observe for rapid increase in river/creek water level, possibly accompanied by increased turbidity (soil/rock content) and evacuate, whenever necessary.
ESP-MLG-09 Residential areas proximate to the river in Purok 2 8°38'16.5" N 125°34'50.4" E	Low	
ESP-MLG-10 Residential areas proximate to the river in Purok 2 8°38'17.6" N 125°34'48.7" E	Low	
ESP-MLG-11 Residential areas proximate to the river in Purok 2 8°38'19.4" N 125°34'49.9" E	Low	

ESP-MLG-12 Residential areas proximate to the river 8°38'16.7" N 125°34'50.4" E	Low	The area is proximate to Silaw River. Frequent flooding is experienced during heavy and prolonged rains. Recommendation: Observe for rapid increase in river/creek water level, possibly accompanied by increased turbidity (soil/rock content) and evacuate, whenever necessary.
ESP-MLG-13 Along the road with very steep slope to the SE in Purok 4 8°38'7.9" N 125°34'54.6" E	Low	
ESP-MLG-14 Purok 4 8°38'5.6" N 125°34'55.5" E	Low	
ESP-MLG-03 Houses near the foot of a slope in Purok 3 8°38'2.6" N 125°34'48.2" E		No reported case of flooding.
ESP-MLG-01 Houses along the road in Purok 7 8°37'55.2" N 125°34'43.4" E		The area is slightly elevated. No reported case of flooding.
ESP-MLG-02 Purok 3 8°38'4.8" N 125°34'49" E		
ESP-MLG-04 Flat area bounded by steep slopes to the NW in Purok 3 8°38'3.3" N 125°34'48.7" E		
ESP-MLG-15 Purok 4 8°38'1.7" N 125°34'56.7" E		
ESP-MLG-16 Purok 4 8°37'54.7" N 125°34'58.5" E		
ESP-MLG-17 Purok 4 8°37'51.7" N 125°34'58.2" E		
ESP-MLG-18 Purok 5 8°37'45.2" N 125°35'14.4" E		
ESP-MLG-19 Purok 5 8°37'44.3" N 125°35'18" E		
ESP-MLG-20 Purok 5 8°37'46" N 125°35'25.4" E		

Barangay Nato		
ESP-NTO-03 Agricultural area in Purok 10 8°36'55" N 125°38'14.2" E	Very High	The area is proximate to Agusan River, 150 meters wide and 2.5 meters deep. Frequent flooding is experienced by the locals all throughout the year during heavy and prolonged rains. The overflowing water from the stream breaches the 3 meter high riverbanks and spreads laterally to the nearby areas with flat topography. This annual geohazard event destroys agricultural products such as corn, rice, and vegetables. Recommendations: The government officials should conduct a study and apply mitigating measures/engineering methods to prevent rapid erosion of riverbank walls. Moreover, a detailed study on where to install and what type of flood control works to be used are needed before the actual construction of mitigating measures commence. It is highly recommended that engineering structures be installed along the river and a proper budget be allocated anytime soon.
ESP-NTO-04 Agricultural area in Purok 10 8°36'49.6" N 125°38'17.7" E	Very High	
ESP-NTO-21 Agricultural area in Purok 8 8°39'9.5" N 125°39'2.3" E	Very High	
ESP-NTO-22 Agricultural area in Purok 8 8°39'17.6" N 125°39'6.3" E	Very High	
ESP-NTO-01 Residential area in Purok 5 8°38'47.8" N 125°38'32.7" E	High	The area is proximate to Agusan River, 150 meters wide and 2.5 meters deep. Frequent flooding is experienced by the locals all throughout the year during heavy and prolonged rains. The overflowing water from the stream breaches the 3 meter high riverbanks and spreads laterally to the nearby areas with flat topography. This annual geohazard event destroys agricultural products such as corn, rice, and vegetables. Recommendations: The government officials should conduct a study and apply mitigating measures/engineering methods to prevent rapid erosion of riverbank walls. Moreover, a detailed study on where to install and what type of flood control works to be used are needed before the actual construction of mitigating measures commence. It is highly recommended that engineering structures be installed along the river and a proper budget be allocated anytime soon.
ESP-NTO-02 Residential area in Purok 5 8°38'47.9" N 125°38'34.5" E	High	
ESP-NTO-23 Agricultural area in Purok 7 8°39'39.4" N 125°38'34.7" E	High	
ESP-NTO-24 Agricultural area in Purok 7 8°39'39" N 125°38'33.2" E	High	
ESP-NTO-07 Residential area in Purok 3 8°38'55.5" N 125°38'40.9" E	Moderate	The area is proximate to Agusan River, 150 meters wide and 2.5 meters deep. Frequent flooding is experienced by the locals all throughout the year during heavy and prolonged rains. The overflowing water from the stream breaches the 3 meter high riverbanks and spreads laterally to the nearby areas with flat topography. This annual geohazard event destroys agricultural products such as corn, rice, and vegetables. Recommendations: The government officials should conduct a study and apply mitigating measures/engineering methods to prevent rapid erosion of riverbank walls. Moreover, a detailed study on where to install and what type of flood control works to be used are needed before the actual construction of mitigating measures commence. It is highly recommended that engineering structures be installed along the river and a proper budget be allocated anytime soon.
ESP-NTO-08 Residential area in Purok 3 8°38'55.7" N 125°38'39.1" E	Moderate	
ESP-NTO-09 Residential area in Purok 4 8°38'55.8" N 125°38'36.6" E	Moderate	

ESP-NTO-10 Residential area in Purok 4 8°38'55.3" N 125°38'34.5" E	Moderate	The area is proximate to Agusan River, 150 meters wide and 2.5 meters deep. Frequent flooding is experienced by the locals all throughout the year during heavy and prolonged rains. The overflowing water from the stream breaches the 3 meter high riverbanks and spreads laterally to the nearby areas with flat topography. This annual geohazard event destroys agricultural products such as corn, rice, and vegetables.
ESP-NTO-11 Residential area in Purok 4 8°38'54.9" N 125°38'32.2" E	Moderate	
ESP-NTO-05 Residential area in Purok 9 8°37'53.3" N 125°38'56.9" E	Low	The area is proximate to Agusan River, 150 meters wide and 2.5 meters deep. Frequent flooding is experienced by the locals all throughout the year during heavy and prolonged rains. The overflowing water from the stream breaches the 3 meter high riverbanks and spreads laterally to the nearby areas with flat topography. This annual geohazard event destroys agricultural products such as corn, rice, and vegetables.
ESP-NTO-06 Residential area in Purok 9 8°37'56.9" N 125°39'16.7" E		
ESP-NTO-12 Agricultural area in Purok 6 8°38'50.8" N 125°37'57.3" E		No reported case of flooding.
ESP-NTO-13 Agricultural area in Purok 6 8°38'50.6" N 125°37'53.7" E		
ESP-NTO-14 Agricultural area in Purok 11 8°37'10.8" N 125°36'16.5" E		
ESP-NTO-15 Agricultural area in Purok 11 8°37'6.8" N 125°36'17.1" E		
ESP-NTO-16 Agricultural area in Purok 2 8°38'53.7" N 125°38'21.1" E		
ESP-NTO-17 Residential area in Purok 2 8°38'57.1" N 125°38'27.2" E		

ESP-NTO-18 Residential area in Purok 2 8°38'57.3" N 125°38'28.5" E		No reported case of flooding.
ESP-NTO-19 Residential area in Purok 1 8°38'57.6" N 125°38'29.3" E		
ESP-NTO-20 Residential area in Purok 1 8°38'59.7" N 125°38'29.3" E		
Barangay New Gingoog		
ESP-NWG-14 Residential, Agricultural Area in Purok 2 8°41'1.7" N 125°35'14.4" E	Moderate	Area is prone to flashfloods. The flooding is due to the shallow canals filled with soil materials. Recommendation: Regular dredging and de-clogging of drainage system must be implemented.
ESP-NWG-15 Residential, Agricultural Area in Purok 2 8°40'59.4" N 125°35'16" E	Moderate	
ESP-NWG-06 Agricultural area in Purok 1 8°40'59.1" N 125°35'7.7" E	Low	Sheet floods occur during heavy rain. Recommendation: Improve drainage system to prevent flooding
ESP-NWG-07 Residential, Agricultural Area in Purok 1 8°40'56.5" N 125°35'7.8" E	Low	
ESP-NWG-08 Agricultural Area in Purok 1 8°40'55.8" N 125°35'7.5" E	Low	
ESP-NWG-09 Agricultural Area in Purok 1 8°41'0.7" N 125°35'1.4" E	Low	
ESP-NWG-10 Agricultural Area in Purok 1 8°41'1.8" N 125°34'59.9" E	Low	
ESP-NWG-11 Residential, Agricultural Area in Purok 1 8°40'53.3" N 125°34'51.4" E	Low	

ESP-NWG-12 Agricultural area in Purok 1 8°40'54.9" N 125°34'53.7" E	Low	Sheet floods occur during heavy rain. Recommendation: Improve drainage system to prevent flooding
ESP-NWG-13 Residential, Agricultural Area in Purok 1 8°41'0.4" N 125°35'5.2" E	Low	
ESP-NWG-16 Residential, Agricultural Area in Purok 3 8°41'2.2" N 125°35'20.2" E	Low	
ESP-NWG-17 Residential, Agricultural Area in Purok 3 8°41'3.9" N 125°35'19.7" E	Low	
ESP-NWG-18 Agricultural area in Purok 3 8°40'59.5" N 125°35'44.6" E	Low	
ESP-NWG-19 Agricultural area in Purok 3 8°41'1.9" N 125°35'52.9" E	Low	
ESP-NWG-20 Agricultural area in Purok 3 8°41'1.9" N 125°35'54.1" E	Low	
ESP-NWG-21 Agricultural area in Purok 3 8°41'0.5" N 125°35'46.5" E	Low	
ESP-NWG-01 Residential, Agricultural Area in Purok 1 8°41'3" N 125°35'11.7" E		
ESP-NWG-02 Residential, Agricultural Area in Purok 1 8°41'3.3" N 125°35'11.8" E		
ESP-NWG-03 Residential, Agricultural Area in Purok 1 8°41'3.1" N 125°35'9.7" E		
ESP-NWG-04 Residential, Agricultural Area in Purok 1 8°41'2.6" N 125°35'7.9" E		

ESP-NWG-05 Residential, Agricultural Area in Purok 1 8°41'3" N 125°35'8.4" E		The area is elevated and far from rivers/creeks. No reported case of flooding in the area.
ESP-NWG-22 Residential, Agricultural Area in Purok 3 8°41'6.4" N 125°35'20.8" E		The area is relatively on a higher elevation and far from rivers/creeks. No reported case of flooding in the area.
ESP-NWG-23 Residential, Agricultural Area in Purok 3 8°41'6.6" N 125°35'17.5" E		
ESP-NWG-24 Residential, Agricultural Area in Purok 3 8°41'8.1" N 125°35'9.6" E		
ESP-NWG-25 Along the road, Agricultural Area in Purok 3 8°41'43" N 125°35'25.8" E		
Barangay Odiong		
ESP-ODG-252 NIA Dam Odiong river 8°37'11.2" N 125°44'47.7" E	High	Area has high flooding susceptibility. Recommendation: Observe for rapid increase/decrease in river/creek water levels, possibly accompanied by increased turbidity (soil/rock content).
ESP-ODG-241 Purok 1 riverside Community 8°36'57.9" N 125°45'7.7" E	Moderate	Flooding in riverside community of Purok 1 due to the overflowing of Odiong river. Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Develop an early warning system (e.g., signage).
ESP-ODG-250 Purok 3 Community area 8°37'20.3" N 125°44'56.2" E	Low	Flooding is experienced in rice fields. Recommendation: Consult Municipal Assessor's Office for re-assessment of destroyed farmlands.
ESP-ODG-251 Purok 3 Community area 8°37'19.1" N 125°44'54.5" E	Low	
ESP-ODG-253 Purok 3 Along the road 8°37'11.1" N 125°44'44.8" E	Low	
ESP-ODG-254 Purok 3 Along the road 8°37'16.1" N 125°44'53.1" E	Low	
ESP-ODG-255 Purok 3 Community area 8°37'21.1" N 125°44'55.4" E	Low	

ESP-ODG-256 Purok 3 Along the road 8°37'26.8" N 125°44'47.9" E	Low	<p>Flooding is experienced in rice fields.</p> <p>Recommendation: Consult Municipal Assessor's Office for re-assessment of destroyed farmlands.</p>
ESP-ODG-228 Purok 2 Community area 8°36'55.1" N 125°45'8.3" E	Low	<p>No flooding reported in the area but it is situated near Odiong river.</p> <p>Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).</p>
ESP-ODG-227 Purok 2 Along the road 8°37'10.2" N 125°45'34.1" E		No reported case of flooding.
ESP-ODG-229 Purok 2 Foot trail 8°36'53.4" N 125°45'9.7" E		
ESP-ODG-230 Purok 2 Foot trail 8°36'53.1" N 125°45'10.1" E		
ESP-ODG-231 Purok 2 Foot trail 8°36'52.1" N 125°45'11" E		
ESP-ODG-232 Purok 2 Foot trail 8°36'51.9" N 125°45'11.7" E		
ESP-ODG-233 Purok 2 Community area 8°36'55.8" N 125°45'9" E		
ESP-ODG-234 Odiong Barangay Hall 8°36'56.9" N 125°45'10" E		
ESP-ODG-235 Purok 2 Community area 8°36'57.4" N 125°45'11" E		
ESP-ODG-236 Purok 2 Community area 8°36'58.2" N 125°45'11.7" E		
ESP-ODG-237 Purok 2 Community area 8°36'58.9" N 125°45'12.5" E		
ESP-ODG-238 Purok 2 Community area 8°36'59.8" N 125°45'14.2" E		
ESP-ODG-239 Purok 2 Community area 8°36'59.2" N 125°45'12.7" E		

ESP-ODG-240 Purok 2 Community area 8°36'57.2" N 125°45'9.3" E		No reported case of flooding.
ESP-ODG-242 Odiong Elementary School 8°36'59.7" N 125°45'9.9" E		
ESP-ODG-243 Purok 1 Community area 8°37'0.8" N 125°45'9.3" E		
ESP-ODG-244 Purok 1 Community area 8°37'1.4" N 125°45'8.6" E		
ESP-ODG-245 Purok 1 Along the road 8°37'4.8" N 125°45'7.5" E		
ESP-ODG-246 Purok 1 Along the road 8°37'6.8" N 125°45'6.3" E		
ESP-ODG-247 Purok 1 Along the road 8°37'12.1" N 125°45'6.2" E		
ESP-ODG-248 Purok 1 Along the road 8°37'14.6" N 125°45'5.9" E		
ESP-ODG-249 Purok 3 Along the road 8°37'17" N 125°45'2.1" E		
Barangay Oro		
ESP-ORO-01 Residential area in Purok 5 8°35'49.7" N 125°41'12.3" E	High	Purok is located near the riverbank of Agusan River. The area is prone to flash flood reaching 1.0 meter in height. Recommendations: Future habitation and construction of structures in identified flood-prone areas is discouraged. Advice for pre-emptive evacuation of residence during inclement weather condition and occasions of heavy and prolonged rains. The area is susceptible to flash floods and sheet floods during heavy rains because it is situated in a low lying area.
ESP-ORO-02 Residential area in Purok 5 8°35'48.7" N 125°41'11.9" E	High	
ESP-ORO-13 Residential, agricultural area in Purok 4 8°35'34.8" N 125°41'15.5" E	High	
ESP-ORO-14 Residential, agricultural area in Purok 5 8°35'46.4" N 125°41'9.2" E	High	
ESP-ORO-03 Residential area in Purok 2A	High	

8°35'29.8" N 125°40'4.6" E		Recommendation: Develop a good drainage system in the area to prevent flooding.	
ESP-ORO-04 Residential area in Purok 2A 8°35'30.3" N 125°40'1.4" E	Moderate	<p>The area is susceptible to flash floods and sheet floods during heavy rains.</p> <p>Recommendation: Develop a good drainage system in the area to prevent flooding.</p>	
ESP-ORO-05 Residential, agricultural area in Purok 2B 8°35'23.9" N 125°39'58" E	Moderate		
ESP-ORO-06 Residential, agricultural area in Purok 2B 8°35'22" N 125°39'57.1" E	Moderate		
ESP-ORO-10 Residential, agricultural area in Purok 1A 8°35'40.6" N 125°40'49.5" E	Moderate		
ESP-ORO-11 Agricultural area in Purok 1A 8°35'40.3" N 125°40'51.4" E	Moderate		
ESP-ORO-12 Residential, agricultural area in Purok 5 8°35'42.4" N 125°40'59.1" E	Moderate		
ESP-ORO-15 Agricultural area in Purok 1A 8°35'38.3" N 125°40'45.8" E	Moderate		
ESP-ORO-17 Agricultural area in Purok 1A 8°35'37.5" N 125°40'28.2" E	Moderate		
ESP-ORO-18 Agricultural area in Purok 1A 8°35'36.3" N 125°40'23.8" E	Moderate		
ESP-ORO-19 Residential, agricultural area in Purok 1B 8°35'36.5" N 125°40'13" E	Moderate		
ESP-ORO-20 Residential, agricultural area in Purok 1B 8°35'33.9" N 125°40'7.1" E	Moderate		
ESP-ORO-07 Residential, agricultural	Low		The area is on a higher elevation relative to other stations.

area in Purok 2B 8°35'16" N 125°39'53.9" E		Recommendation: Improve drainage system to prevent flooding in the future.
ESP-ORO-08 Residential, agricultural area in Purok 2B 8°35'13.8" N 125°39'52.6" E	Low	
ESP-ORO-09 Residential, agricultural area in Purok 3 8°35'8.5" N 125°39'50.7" E	Low	
ESP-ORO-16 Agricultural area in Purok 1A 8°35'35" N 125°40'37.1" E	Low	
Barangay Piglawigan		
ESP-PGL-658 Agricultural area, flood plain in Purok 8 8°39'23.69" N 125°40'16.82" E	Very High	Flood water level usually reaches above 2 meters during rainy season (December to February) associated mainly with Agusan and Wawa River overflow. Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-PGL-639 Agricultural area, flood plain in Purok 7 8°39'32.69" N 125°39'40.61" E	Very High	Flood water level usually reaches above 2 meters during rainy season (December to February) associated mainly with Agusan River overflow. Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-PGL-640 Agricultural area, flood plain in Purok 7 8°39'17.32" N 125°39'39.24" E	Very High	
ESP-PGL-641 Agricultural area, present flood plain, old river channel in Purok 7 8°39'4.39" N 125°39'40.75" E	Very High	
ESP-PGL-642 Agricultural area, present flood plain, old river channel in Purok 7 8°38'58.31" N 125°39'39.6" E	Very High	
ESP-PGL-643 Agricultural area, present flood plain, old river channel in Purok 7 8°38'52.87" N 125°39'39.92" E	Very High	

ESP-PGL-644 Agricultural area, present flood plain, old river channel in Purok 7 8°38'47" N 125°39'40.1" E	Very High	<p>Flood water level usually reaches above 2 meters during rainy season (December to February) associated mainly with Agusan River overflow.</p> <p>Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.</p>
ESP-PGL-645 Agricultural area, flood plain in Purok 7 8°38'41.5" N 125°39'35.75" E	Very High	
ESP-PGL-646 Agricultural area, flood plain in Purok 7 8°38'35.52" N 125°39'43.27" E	Very High	
ESP-PGL-647 Agricultural area, present flood plain, old river channel in Purok 7 8°38'36.67" N 125°39'47.23" E	Very High	
ESP-PGL-648 Agricultural area, present flood plain, old river channel in Purok 4 8°38'47.8" N 125°39'54.76" E	Very High	
ESP-PGL-649 Agricultural area, present flood plain, old river channel in Purok 4 8°38'52.98" N 125°39'59.83" E	Very High	
ESP-PGL-650 Agricultural area, present flood plain, old river channel in Purok 4 8°39'5.04" N 125°40'6.28" E	Very High	
ESP-PGL-651 Agricultural area, present flood plain, old river channel in Purok 4 8°39'12.46" N 125°40'7.21" E	Very High	
ESP-PGL-652 Agricultural area, flood plain in Purok 7 8°38'50.78" N 125°39'23.08" E	Very High	
ESP-PGL-638 Agricultural area, flood plain in Purok 5 8°39'56.16" N 125°39'49.43" E	High	
ESP-PGL-653 Agricultural area, flood plain in Purok 1 8°40'7.39" N	High	<p>Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of</p>

125°39'32.76" E		potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-PGL-655 Agricultural area, flood plain in Purok 1 8°40'10.38" N 125°39'42.59" E	High	
ESP-PGL-657 Agricultural area, flood plain in Purok 2 8°39'40.46" N 125°40'19.74" E	High	
ESP-PGL-636 Residential area, provincial road in Purok 5 8°40'2.75" N 125°39'49.64" E	Low	Flood water level is usually below 0.5 meter during rainy season (December to February) associated mainly with Wawa River overflow combined with high surface runoff and irrigation water overflow. Recommendations: Avoid construction of important infrastructures within the areas identified with high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-PGL-637 Residential area, provincial road in Purok 5 8°39'59.4" N 125°39'54.22" E	Low	
ESP-PGL-654 Agricultural area, flood plain in Purok 1 8°40'4.26" N 125°39'43.96" E	Low	
ESP-PGL-656 Residential area, provincial road in Purok 2 8°39'59.22" N 125°40'2.03" E	Low	
ESP-PGL-635 Piglawigan Brgy. Hall, eco park 8°40'5.34" N 125°39'50.36" E		No reported case of flooding.
Barangay Poblacion		
ESP-PBL-616 Hospital, Residential area, flood plain in Purok 11 8°40'44.33" N 125°39'17.96" E	Very High	Flood water level usually reaches above 2 meters during rainy season (December to February) associated mainly with Wawa River overflow. Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-PBL-617 Residential area, flood plain in Purok 11 8°40'43.39" N 125°39'29.59" E	Very High	
ESP-PBL-634 Residential area, flood plain in Purok 11 8°40'48.9" N 125°39'28.3" E	Very High	
ESP-PBL-610 Residential area, river bank, old terminal in	Very High	

Purok 5 8°40'28.52" N 125°38'34.94" E		<p>Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.</p>
ESP-PBL-620 Residential area, flood plain in Purok 14 8°40'25.82" N 125°38'46.61" E	Very High	
ESP-PBL-621 Residential area, flood plain in Purok 14 8°40'23.41" N 125°38'35.16" E	Very High	
ESP-PBL-622 Residential area, flood plain in Purok 14 8°40'19.06" N 125°39'2.09" E	Very High	
ESP-PBL-623 Residential area, river bank in Purok 15 8°40'8.33" N 125°39'9.83" E	Very High	
ESP-PBL-626 Residential area, flood plain in Purok 8A 8°40'49.3" N 125°38'33.29" E	Very High	
ESP-PBL-627 Residential area, flood plain in Purok 8 8°40'44.26" N 125°38'34.62" E	Very High	
ESP-PBL-628 Public market, Residential area, flood plain in Purok 8 8°40'40.76" N 125°38'33.58" E	Very High	
ESP-PBL-629 Residential area, river bank in Purok 6 8°40'37.42" N 125°38'29.36" E	Very High	
ESP-PBL-630 Residential area, flood plain in Purok 4 8°40'34.46" N 125°38'35.77" E	Very High	
ESP-PBL-631 Residential area, flood plain in Purok 2 8°40'36.8" N 125°38'40.7" E	Very High	
ESP-PBL-632 Residential area, flood plain in Purok 3 8°40'31.15" N 125°38'39.12" E	Very High	

ESP-PBL-624 Residential area, flood plain in Purok 9 8°40'49.19" N 125°38'48.91" E	High	Flood water level usually reaches 2 meters during rainy season (December to February) associated mainly with Agusan and Wawa (minor) River overflow.
ESP-PBL-625 Commercial area, Residential area, flood plain in Purok 10 8°40'55.78" N 125°38'46.21" E		Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-PBL-611 Brgy. Hall, residential area, GYM, school 8°40'35.08" N 125°38'48.23" E	High	Flood water level usually reaches 2 meters during rainy season (December to February) associated mainly with Agusan and Wawa River overflow.
ESP-PBL-612 Esperanza Central Elementary School 8°40'35.72" N 125°38'48.41" E		Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-PBL-619 Residential area, flood plain in Purok 15 8°40'10.49" N 125°39'21.2" E	High	Flood water level usually reaches 2 meters during rainy season (December to February) associated mainly with Agusan River overflow.
ESP-PBL-633 Commercial area, Residential area, flood plain in Purok 10 8°40'47.75" N 125°38'42.76" E		Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-PBL-618 Residential area, flood plain in Purok 12 8°40'27.77" N 125°39'35.03" E	High	Flood water level usually reaches 2 meters during rainy season (December to February) associated mainly with Wawa River overflow. Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-PBL-613 Residential area, flood plain in Purok 1 8°40'44.44" N 125°38'47.58" E		No reported case of flooding.
ESP-PBL-614 Residential area, flood plain in Purok 1 8°40'45.62" N 125°38'51.97" E		No reported case of flooding.
ESP-PBL-615 Residential area, flood plain in Purok 1 8°40'43.82" N 125°38'53.52" E		No reported case of flooding.

Barangay Remedios

<p>ESP-REM-210 Ohot River in Purok 1 8°40'24" N 125°36'18.2" E</p>	<p>Very High</p>	<p>Ohot River flooded up to 2.3 meters high during Typhoon Agaton. Recommendations: Develop an early warning device/system. Monitor weather update/ advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).</p>
<p>ESP-REM-208 Ohot River in Purok 1 8°40'8.9" N 125°36'19.6" E</p>	<p>Very High</p>	<p>Ohot River frequently flooded up to 2.4 meters where the observation point was taken. Ohot River is about 50 meters wide and bank height is about 5 meters. Recommendations: Develop an early warning device/system. Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).</p>
<p>ESP-REM-203 Ohot River in Purok 5 8°40'28.2" N 125°36'39.8" E</p>	<p>Very High</p>	<p>Ohot River frequently flooded up to 2.5 meters high where the observation point was taken. Ohot River is about 50 meters wide and bank height is about 5 meters. Recommendations: Develop an early warning device/system. Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Evacuate if warning for evacuation has been advised by authorities.</p>
<p>ESP-REM-209 Floodplain of Ohot River in Purok 1 8°40'11.2" N 125°36'19.6" E</p>	<p>High</p>	<p>Floodplain of Ohot River flooded up to 1.2 meters high. Observation point taken adjacent to flood plain of the river. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).</p>
<p>ESP-REM-204 Floodplain of Ohot River in Purok 5 8°40'19.4" N 125°36'41.1" E</p>	<p>High</p>	<p>Floodplain of Ohot River flooded up to 1.2 meters high. Observation point taken approximately 300 meters away from the channel. Recommendations: Monitor weather update/advisories regularly. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Avoid future settlement along this area.</p>
<p>ESP-REM-213 Palayaw Creek in Purok 2 8°40'0.2" N 125°36'31.1" E</p>	<p>High</p>	<p>Palayaw Creek frequently flooded during heavy rainfall. Stream width is approximately 4.5 meters wide. Bank height is about 0.8 meter high. Flood reaches up to 1.6 meters high. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).</p>
<p>ESP-REM-202 Palayaw Creek in Purok 5 8°40'14.6" N 125°36'48" E</p>	<p>High</p>	<p>Palayaw Creek frequently flooded during heavy rainfall. Stream width is approximately 5 meters wide. Bank height is about 1 meter high. Flood reaches up to 1.4 meters high. Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Avoid future settlement adjacent to this area.</p>
<p>ESP-REM-217 Purok 2 proper 8°40'38.38" N 125°36'43.92" E</p>	<p>Low</p>	<p>Frequently flooded due to River overflow of Ohot River. Flood reaches up to 2.0 meters high. Area become isolated during flooding. Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Evacuate if warning for evacuation has been issued by authorities. Relocation in this area is recommended.</p>

ESP-REM-212 Remedios Elementary School 8°40'1.4" N 125°36'30" E	Low	Remedios Elementary School. No reported case of flooding. Serves as evacuation center during flooding.
ESP-REM-198 Open fields/trail to Purok proper in Purok 10 8°39'16.7" N 125°36'12.1" E		Area is elevated. No reported case of flooding.
ESP-REM-207 Barangay road in Purok 8 8°40'17.5" N 125°35'56" E		
ESP-REM-197 Barangay Hall of Remedios 8°40'9.9" N 125°36'33.7" E		No reported case of flooding.
ESP-REM-199 Purok 7 proper 8°40'16.7" N 125°37'27.5" E		
ESP-REM-200 Purok 7 proper 8°40'17.7" N 125°37'11.3" E		
ESP-REM-201 Purok 5 proper 8°40'13.9" N 125°36'55.9" E		
ESP-REM-205 Residential Area in Purok 5 8°40'15.2" N 125°36'41.5" E		
ESP-REM-206 Residential Area in Purok 4 8°40'12.6" N 125°36'31" E		
ESP-REM-211 Purok 1 proper 8°40'3" N 125°36'25.4" E		
ESP-REM-214 Purok 2 proper 8°40'6" N 125°36'24.7" E		
ESP-REM-215 Purok 2 proper 8°40'8.1" N 125°36'28.6" E		
ESP-REM-216 Purok 2 proper 8°40'12.1" N 125°36'37.5" E		

Barangay Salug

<p>ESP-SAL-13 River in Purok 1B 8°36'28.66" N 125°24'27.97" E</p>	<p>Very High</p>	<p>A northwest flowing Posilaw river usually overflows to the adjacent agricultural areas causing sheet flooding.</p> <p>Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content). Observe for sunken or displaced road surfaces.</p>
<p>ESP-SAL-20 Agricultural area in Purok 6 8°36'49.86" N 125°24'42.26" E</p>	<p>Moderate</p>	<p>Sheet flooding along the agricultural area is caused by the overflowing of Posilaw river.</p> <p>Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content). Observe for sunken or displaced road surfaces.</p>
<p>ESP-SAL-01 Residential area in Purok 5 8°35'1.57" N 125°23'45.17" E</p>		<p>No reported case of flooding.</p>
<p>ESP-SAL-02 Residential area in Purok 6 8°36'43.67" N 125°24'42.48" E</p>		
<p>ESP-SAL-03 Residential area in Purok 6 8°36'41.11" N 125°24'43.67" E</p>		
<p>ESP-SAL-04 Residential area in Purok 3 8°36'37.33" N 125°24'42.26" E</p>		
<p>ESP-SAL-05 Residential area in Purok 3 8°36'35.35" N 125°24'44.14" E</p>		
<p>ESP-SAL-06 Residential area in Purok 3 8°36'31.57" N 125°24'46.19" E</p>		
<p>ESP-SAL-07 Barangay Office 8°36'29.05" N 125°24'42.73" E</p>		
<p>ESP-SAL-08 Residential area in Purok 2 8°36'28.66" N 125°24'45.4" E</p>		
<p>ESP-SAL-09 Residential area in Purok 1A 8°36'26.1" N 125°24'44.68" E</p>		

ESP-SAL-10 School in Purok 1A 8°36'25.16" N 125°24'38.95" E		No reported case of flooding.
ESP-SAL-11 School in Purok 1B 8°36'29.52" N 125°24'39.49" E		
ESP-SAL-12 Residential area in Purok 1B 8°36'29.23" N 125°24'36.36" E		
ESP-SAL-14 Road in Purok 5 8°35'12.12" N 125°24'11.05" E		
ESP-SAL-15 Road in Purok 5 8°35'42" N 125°24'24.55" E		
ESP-SAL-16 Road in Purok 1A 8°36'21.35" N 125°24'46.15" E		
ESP-SAL-17 Road in Purok 1A 8°36'13" N 125°24'43.31" E		
ESP-SAL-18 Road in Purok 1A 8°36'5.87" N 125°24'41.36" E		
ESP-SAL-19 Road in Purok 5 8°35'52.04" N 125°24'38.66" E		
Barangay San Isidro		
ESP-SID-1095 Cubo Creek in Purok 3 8°41'59.2" N 125°40'15.1" E	Very High	Frequent flooding in Cubo Creek is most likely to occur in the months December to February. Flood height reaches as high as 8.5 meters from the riverbed. Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-SID-1096 Near Cubo Creek in Purok 3 8°41'59.1" N 125°40'14.6" E	Moderate	Sheet flooding in the nearby residences is the result of the overflowing of Cubo Creek. Flooding is most likely to be experienced in the months of December to February. Recommendation: Back fill materials may be consider to elevate the area and to minimize the flooding from nearby creek.
ESP-SID-1089 Residence in Purok 4 8°41'52.7" N 125°40'16.4" E	Low	Sheet flooding in the area is due to the blocking of nearby creek which is utilized for irrigation purposes in the rice paddies. Recommendation: Back fill materials may be considered to elevate the area and to minimize the flooding from nearby creek.
ESP-SID-1090 Purok 4 waiting shed 8°41'53.8" N 125°40'17.6" E		

ESP-SID-1097 Along the barangay road in Purok 3 8°41'57" N 125°40'10.4" E	Low	Sheet flooding in the nearby residences is the result of the overflowing of Cubo Creek. Flooding is most likely to be experienced in the months of December to February. Recommendation: Back fill materials may be consider to elevate the area and to minimize the flooding from nearby creek.
ESP-SID-1098 Along the barangay road in Purok 3 8°41'53.8" N 125°40'2.4" E	Low	
ESP-SID-1099 Along the barangay road in Purok 3 8°41'53.7" N 125°39'56.6" E	Low	
ESP-SID-1100 Along the barangay road in Purok 3 8°41'53.8" N 125°39'48.9" E	Low	
ESP-SID-1094 Purok 3 waiting shed 8°41'57.3" N 125°40'14.5" E	Low	Sheet flooding in the waiting shed is the result of the overflowing of Cubo Creek. Flooding is most likely to be experienced in the months of December to February. Recommendation: Back fill materials may be considered to elevate the area and to minimize the flooding from nearby creek.
ESP-SID-1088 San Isidro Barangay Hall 8°41'55.3" N 125°40'15.7" E		No reported case of flooding.
ESP-SID-1091 San Isidro Health Center 8°41'57.2" N 125°40'15.7" E		
ESP-SID-1092 Purok 1 waiting shed 8°41'56" N 125°40'16.4" E		
ESP-SID-1093 Purok 2 waiting shed 8°41'53.2" N 125°40'15.1" E		
Barangay San Jose		
ESP-SNJ-301 Purok 2 Creek 8°35'39" N 125°45'2.3" E	Moderate	Moderate flooding in San Jose creek. Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-SNJ-292 Purok 3 Along road 8°35'41.7" N 125°45'0.4" E		No reported case of flooding.
ESP-SNJ-293 Purok 1 Community Area 8°35'34.6" N 125°45'3.8" E		

ESP-SNJ-294 Purok 1 Community Area 8°35'34.2" N 125°45'5.4" E		No reported case of flooding.
ESP-SNJ-295 Purok 1 Community Area 8°35'36.2" N 125°45'6" E		
ESP-SNJ-296 Purok 2 Community Area 8°35'36.9" N 125°45'4.5" E		
ESP-SNJ-297 Purok 2 Community Area 8°35'37.2" N 125°45'3.8" E		
ESP-SNJ-298 Purok 2 Community Area 8°35'38" N 125°45'5.4" E		
ESP-SNJ-299 Purok 2 Community Area 8°35'39.3" N 125°45'6.7" E		
ESP-SNJ-300 Purok 2 Along road 8°35'37.9" N 125°45'2.9" E		
ESP-SNJ-302 Purok 3 Along road 8°35'40.6" N 125°45'0.7" E		
ESP-SNJ-303 Purok 3 Along road 8°35'43" N 125°45'0.1" E		
ESP-SNJ-304 Purok 3 Along road 8°35'44.8" N 125°44'59.4" E		
ESP-SNJ-305 Purok 3 Community Area 8°35'47.5" N 125°44'57.5" E		
ESP-SNJ-306 Purok 3 along road 8°36'3.2" N 125°44'38.2" E		

ESP-SNJ-307 Purok 3 Community Area 8°35'51.4" N 125°44'52.3" E		No reported case of flooding.
ESP-SNJ-308 Purok 3 Community Area 8°35'53.5" N 125°44'52.9" E		
ESP-SNJ-309 Purok 3 Community Area 8°35'56.2" N 125°44'50.1" E		
ESP-SNJ-310 Purok 3 along road 8°35'50" N 125°44'50.9" E		
ESP-SNJ-311 Purok 3 along road 8°35'49" N 125°44'48.5" E		
ESP-SNJ-312 Purok 3 along road 8°35'47.5" N 125°44'46.8" E		
ESP-SNJ-313 Purok 3 along road 8°35'46.4" N 125°44'46.3" E		
ESP-SNJ-314 Purok 3 along road 8°35'46.5" N 125°44'46.3" E		
Barangay San Toribio		
ESP-SNT-160 Anoling River in Purok 1 8°38'37.7" N 125°44'22.4" E	Very High	Anoling River frequently flooded during heavy rainfall. Stream width is about 6-7 meters wide with 1.2-meter high bank. Flood water reaches up to 2.1 meters high. Recommendations: Develop an early warning device/system. Monitor weather update/ advisories regularly. Develop an early warning device/system. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-SNT-164 Kisay Creek in Purok 7 8°38'58.3" N 125°44'17.3" E	High	Kisay Creek frequently flooded up to 1.2 meters high. Stream width is approximately 4-5 meters. Bank height is 0.8 meter. Recommendations: Develop an early warning device/system. Monitor weather update/advisories regularly. Develop an early warning device/system. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-SNT-166 Labao Creek in Purok 6 8°39'5.6" N 125°43'34.9" E	High	Labao Creek frequently flooded during typhoon and worsen by clogged channels by logs and garbage carried by flood. Recommendations: Develop an early warning device/system. Monitor weather update/ advisories regularly. Develop an early warning device/system. Observe for rapid increase/decrease in

		creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-SNT-167 Purok 6 proper 8°39'8.8" N 125°43'35.5" E	High	Purok 6 proper frequently flooded due to river overflow. Flood height reaches up to 1.6 meters. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-SNT-165 Batac Elementary School 8°39'4" N 125°43'33.2" E	Moderate	Batac Elementary School flooded due to river overflow of Labao creek. Flood water reaches up to 0.8 meter high. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-SNT-179 Open Fields/Rice fields in Purok 5 8°38'4.4" N 125°43'29.6" E	Moderate	Flooded due to overflow of Labao River tributaries passing the area. Flood height reaches up to 0.7 meter high. Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
ESP-SNT-180 Open Fields/Rice fields in Purok 5 8°38'3.7" N 125°43'10.9" E	Moderate	
ESP-SNT-158 Barangay Hall of San Toribio 8°38'30.7" N 125°44'22.5" E		
ESP-SNT-159 San Toribio Elementary School 8°38'29.3" N 125°44'23.1" E		
ESP-SNT-161 Barangay road in Purok 7 8°38'40" N 125°44'22.4" E		
ESP-SNT-162 San Toribio National High School 8°38'43.7" N 125°44'21.1" E		No reported case of flooding.
ESP-SNT-163 Purok 7 proper 8°38'56.1" N 125°44'17.8" E		
ESP-SNT-168 Purok 2 proper 8°38'32.1" N 125°44'35.8" E		
ESP-SNT-169 Purok 3 proper 8°38'32.5" N 125°44'58.5" E		

ESP-SNT-170 Purok 3 proper 8°38'31.6" N 125°45'12.5" E		No reported case of flooding.
ESP-SNT-171 Purok 4 proper 8°38'22.2" N 125°45'23" E		
ESP-SNT-172 Purok 4 proper 8°38'12" N 125°45'24.4" E		
ESP-SNT-173 Purok 4 proper 8°38'4.4" N 125°45'28.4" E		
ESP-SNT-174 Purok 8 proper 8°37'58.8" N 125°45'32.4" E		
ESP-SNT-175 Purok 2 proper 8°38'26.9" N 125°44'23" E		
ESP-SNT-176 Open Fields/Rice fields in Purok 5 8°38'10.6" N 125°44'17.9" E		
ESP-SNT-177 Open Fields/Rice fields in Purok 5 8°38'13.6" N 125°44'3.1" E		
ESP-SNT-178 Open Fields/Rice fields in Purok 5 8°38'11.1" N 125°43'46.3" E		
Barangay San Vicente		
ESP-SVC-1353 Purok 3 proper 8°29'15.9" N 125°24'15.2" E		No reported case of flooding.
ESP-SVC-1354 Purok 3 proper 8°29'14.5" N 125°24'14.8" E		
ESP-SVC-1355 Purok 3 proper 8°29'13.4" N 125°24'13.6" E		
ESP-SVC-1356 Purok 3 proper 8°29'12" N 125°24'11.8" E		

ESP-SVC-1357 Purok 3 proper 8°29'11.3" N 125°24'11.5" E		No reported case of flooding.
ESP-SVC-1358 Purok 2 proper 8°29'18.8" N 125°24'15.7" E		
ESP-SVC-1359 Purok 2 proper 8°29'21.6" N 125°24'17.8" E		
ESP-SVC-1360 Purok 2 proper 8°29'23.2" N 125°24'18.8" E		
ESP-SVC-1361 San Vicente Barangay Hall 8°29'24.5" N 125°24'18.6" E		
ESP-SVC-1362 San Vicente Primary School 8°29'24.9" N 125°24'17.5" E		
ESP-SVC-1363 Near San Vicente Primary School 8°29'25.1" N 125°24'17.4" E		
ESP-SVC-1364 Purok 2 proper 8°29'25.1" N 125°24'16.8" E		
ESP-SVC-1365 Purok 2 proper 8°29'25.1" N 125°24'19.4" E		
ESP-SVC-1366 Purok 1 proper 8°29'25.7" N 125°24'20.6" E		
Barangay Santa Fe		
ESP-STF-718 Residential area, barangay road in Purok 1 8°37'34.61" N 125°41'9.06" E	Very High	Flood water level usually reaches above 2 meters during rainy season (December to February) associated mainly with Agusan River overflow combined with high surface runoff and irrigation water overflow.
ESP-STF-719 Residential area, barangay road in Purok 2 8°37'32.84" N 125°41'8.27" E	Very High	Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.

ESP-STF-720 Residential area, barangay road in Purok 2 8°37'31.94" N 125°41'7.62" E	Very High	<p>Flood water level usually reaches above 2 meters during rainy season (December to February) associated mainly with Agusan River overflow combined with high surface runoff and irrigation water overflow.</p> <p>Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.</p>
ESP-STF-722 Residential area, barangay road in Purok 4 8°37'35.8" N 125°41'17.23" E	Very High	
ESP-STF-723 Residential area, barangay road in Purok 3 8°37'35.15" N 125°41'19.82" E	Very High	
ESP-STF-724 Residential area, barangay road in Purok 3 8°37'36.77" N 125°41'21.62" E	Very High	
ESP-STF-725 Residential area, barangay road, river bank in Purok 3 8°37'36.55" N 125°41'22.96" E	Very High	
ESP-STF-726 Residential area, barangay road, river bank in Purok 3 8°37'37.09" N 125°41'24.18" E	Very High	
ESP-STF-727 Residential area in Purok 4 8°37'38.24" N 125°41'22.81" E	Very High	
ESP-STF-728 Residential area in Purok 4 8°37'38.28" N 125°41'20.98" E	Very High	
ESP-STF-730 Residential area, barangay road in Purok 5 8°37'41.52" N 125°41'15.5" E	Very High	
ESP-STF-731 Residential area, barangay road in Purok 5 8°37'43.25" N 125°41'14.46" E	Very High	

ESP-STF-732 Residential area, barangay road in Purok 1 8°37'46.92" N 125°41'13.16" E	Very High	Flood water level usually reaches above 2 meters during rainy season (December to February) associated mainly with Agusan River overflow combined with high surface runoff and irrigation water overflow. Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-STF-733 Residential area, barangay road, rice field in Purok 6 8°37'55.02" N 125°41'9.06" E	Very High	
ESP-STF-734 Residential area, barangay road, rice field in Purok 6 8°38'0.74" N 125°41'5.53" E	Very High	
ESP-STF-735 Residential area, barangay road, rice field in Purok 6 8°38'6.65" N 125°41'2.15" E	Very High	
ESP-STF-736 Barangay road, rice field in Purok 7 8°38'14.03" N 125°41'1.57" E	Very High	
ESP-STF-737 Residential area, barangay road, rice field in Purok 7 8°38'30.73" N 125°41'6.5" E	Very High	
ESP-STF-738 Residential area, barangay road, rice field in Purok 8 8°37'45.01" N 125°41'20.08" E	Very High	
ESP-STF-739 Residential area, barangay road, rice field in Purok 8 8°37'44.9" N 125°41'25.4" E	Very High	
ESP-STF-740 Residential area, barangay road, rice field in Purok 8 8°37'43.86" N 125°41'36.78" E	Very High	
ESP-STF-713 Residential area, Brgy. Hall 8°37'36.77" N 125°41'16.3" E	High	
ESP-STF-715 Agusan River right bank	High	Recommendations: Avoid construction of important infrastructures within the areas identified with high to very high flood susceptibility

in Purok 1 8°37'36.7" N 125°41'12.34" E		(i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-STF-717 Residential area, barangay road in Purok 1 8°37'33.74" N 125°41'10.39" E	High	
ESP-STF-721 Residential area, barangay road in Purok 2 8°37'31.66" N 125°41'10.07" E	High	
ESP-STF-729 Residential area in Purok 4 8°37'37.38" N 125°41'17.81" E	High	
ESP-STF-716 Residential area, barangay road in Purok 1 8°37'34.14" N 125°41'13.16" E	Moderate	Flood water level usually reaches 1 meter during rainy season (December to February) associated mainly with Agusan River overflow combined with high surface runoff and irrigation water overflow. Recommendations: Avoid construction of important infrastructures within the areas identified with high flood susceptibility (i.e. 1m and >2m flood heights respectively). Monitor rapid rise of flood water level and conduct preemptive evacuation when advised. Detailed hydrologic study is recommended to assess installation of potential engineering mitigating measures to address flood-related hazards such as concrete dikes, gabion etc.
ESP-STF-714 Residential area, barangay road, Santa Fe Elementary School 8°37'35.69" N 125°41'13.27" E		No reported case of flooding.
Barangay Segunda		
ESP-SEG-129 Trail to Barangay proper of Segunda in Purok 1 8°33'35.5" N 125°31'57.7" E		Area is located in a higher elevation. No reported case of flooding.
ESP-SEG-130 Top of slope in Purok 1 8°33'35.4" N 125°31'52.8" E		
ESP-SEG-131 Top of slope in Purok 1 8°33'34.9" N 125°31'52.8" E		
ESP-SEG-132 Trail to Barangay proper of Segunda in Purok 1 8°33'34.8" N 125°31'52.2" E		

ESP-SEG-133 Trail to Barangay proper of Segunda in Purok 1 8°33'34.7" N 125°31'52.1" E		Area is located in a higher elevation. No reported case of flooding.
ESP-SEG-134 Trail to Barangay proper of Segunda in Purok 1 8°33'34.6" N 125°31'51.8" E		
ESP-SEG-135 Trail to Barangay proper of Segunda in Purok 1 8°33'34.6" N 125°31'51.7" E		
ESP-SEG-136 Trail to Barangay proper of Segunda in Purok 1 8°33'31.9" N 125°31'47.1" E		
ESP-SEG-137 Barangay Hall of Segunda 8°33'10.9" N 125°31'29.4" E		
ESP-SEG-138 Segunda Elementary School 8°33'11.5" N 125°31'30.1" E		
ESP-SEG-139 Trail/Open fields in Purok 2 8°33'7.8" N 125°31'25.2" E		
ESP-SEG-140 Trail/Open fields in Purok 2 8°33'2.1" N 125°31'27.3" E		
ESP-SEG-141 Trail/Open fields in Purok 2 8°33'2.6" N 125°31'33.9" E		
ESP-SEG-142 Trail/Open fields in Purok 2 8°32'57.1" N 125°31'38.8" E		
ESP-SEG-143 Trail/Open fields in Purok 2 8°32'48.7" N 125°31'38.6" E		
ESP-SEG-144 Trail/Open fields in Purok 2 8°32'38.1" N 125°31'40.5" E		

ESP-SEG-156 Purok 1 proper 8°33'15.3" N 125°31'30.7" E		Area is located in a higher elevation. No reported case of flooding.
ESP-SEG-157 Purok 1 proper 8°33'21.7" N 125°31'33.9" E		
ESP-SEG-158 Trail/Open fields in Purok 2 8°32'29.5" N 125°31'42.9" E		
ESP-SEG-159 Trail/Open fields in Purok 2 8°32'39.6" N 125°31'44.7" E		
ESP-SEG-160 Trail/Open fields in Purok 2 8°33'12" N 125°31'36.4" E		
Barangay Sinakungan		
ESP-SKN-01 Tribal Hall 8°34'55.67" N 125°22'44.08" E		No reported case of flooding.
ESP-SKN-02 Barangay Hall 8°34'58.3" N 125°22'41.88" E		
ESP-SKN-03 Residential along steep sloping ground/162/25NE 8°35'2.33" N 125°22'38.28" E		
ESP-SKN-04 Day Care Center 8°34'57.11" N 125°22'44.33" E		
ESP-SKN-05 Sinakungan Primary School near steep sloping ground 8°35'2.65" N 125°22'50.74" E		
ESP-SKN-06 Residential along steep sloping ground in Purok 1 8°34'58.51" N 125°22'47.6" E		

<p>ESP-SKN-07 Road along steep sloping ground in Purok 1 8°34'59.3" N 125°22'53.11" E</p>		No reported case of flooding.
<p>ESP-SKN-08 Road along steep sloping ground in Purok 1 8°34'56.24" N 125°22'55.6" E</p>		
<p>ESP-SKN-09 Road along steep sloping ground in Purok 1 8°34'54.01" N 125°22'57.83" E</p>		
<p>ESP-SKN-10 Road along steep sloping ground in Purok 1 8°34'52.43" N 125°23'0.17" E</p>		
<p>ESP-SKN-11 Road along moderately sloping ground in Purok 1 8°34'51.53" N 125°23'3.01" E</p>		
<p>ESP-SKN-12 Road along moderately sloping ground in Purok 1 8°34'53" N 125°23'7.15" E</p>		
<p>ESP-SKN-13 Road along moderately sloping ground in Purok 1 8°34'53.51" N 125°23'11.58" E</p>		
<p>ESP-SKN-14 Road along moderately sloping ground in Purok 1 8°34'54.7" N 125°23'15.83" E</p>		
<p>ESP-SKN-15 Road along moderately sloping ground in Purok 1 8°34'56.35" N 125°23'19.25" E</p>		
<p>ESP-SKN-16 Road along moderately sloping ground in Purok 1 8°34'55.78" N 125°23'22.92" E</p>		

ESP-SKN-17 Road along moderately sloping ground in Purok 1 8°34'55.56" N 125°23'27.1" E		No reported case of flooding.
ESP-SKN-18 Road along moderately sloping ground in Purok 1 8°34'56.68" N 125°23'30.91" E		
ESP-SKN-19 Road cut near residential/162/25NE 8°35'0.1" N 125°22'39.43" E		
ESP-SKN-20 Road along steep sloping ground in Purok 1 8°35'0.67" N 125°22'33.38" E		
Barangay Tagabase		
ESP-TGB-309 Ujot River in Purok 1 8°39'49.9" N 125°35'1.9" E	Very High	Flooding in Ujot river. Recommendations: Develop an early warning system (e.g., signage). Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
ESP-TGB-310 Purok 1 Community area 8°39'51.4" N 125°35'4.5" E	Moderate	Riverside residential area of Purok 1 is susceptible to flooding when Ujot river overflows. Recommendations: Develop an early warning system (e.g., signage). Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains
ESP-TGB-311 Purok 1 Community area 8°39'52" N 125°35'0.5" E	Moderate	
ESP-TGB-312 Purok 1 Community area 8°39'52.6" N 125°34'58.5" E	Moderate	
ESP-TGB-307 Tagabase Barangay Hall 8°39'54.1" N 125°35'1.9" E		No reported case of flooding.
ESP-TGB-308 Purok 1 Community area 8°39'52.1" N 125°35'1.9" E		
ESP-TGB-313 Skyline Elementary School 8°39'53.1" N 125°34'58.6" E		

ESP-TGB-314 Skyline Elementary School 8°39'53.2" N 125°34'56.1" E		No reported case of flooding.
ESP-TGB-315 Purok 2 Community area 8°39'54.6" N 125°34'58.7" E		
ESP-TGB-316 Purok 2 Community area 8°39'55.9" N 125°35'0.1" E		
ESP-TGB-317 Purok 3 Community area 8°39'58.8" N 125°35'0.6" E		
ESP-TGB-318 Purok 3 Community area 8°39'58.3" N 125°35'2.6" E		
ESP-TGB-319 Purok 4 Community area 8°40'1" N 125°34'59.2" E		
ESP-TGB-320 Purok 6 Community area 8°40'2.7" N 125°35'0.2" E		
ESP-TGB-321 Purok 6 Community area 8°40'3.1" N 125°34'59.9" E		
ESP-TGB-322 Along the road in Purok 6 8°40'9.4" N 125°35'1.7" E		
ESP-TGB-323 Along the road in Purok 6 8°40'17.2" N 125°35'5.3" E		
ESP-TGB-324 Along the road in Purok 6 8°40'23.5" N 125°35'4.1" E		
ESP-TGB-325 Along the road in Purok 6 8°40'32.8" N 125°35'3.4" E		
ESP-TGB-326 Purok 5 Community area 8°40'10.2" N 125°34'42.7" E		

ESP-TGB-327 Along the road in Purok 5 8°40'19.1" N 125°34'44.8" E		No reported case of flooding.
ESP-TGB-328 Along the road in Purok 5 8°40'23.8" N 125°34'51.9" E		
ESP-TGB-329 Along the road in Purok 5 8°40'25.5" N 125°34'59" E		
ESP-TGB-330 Along the road in Purok 5 8°40'29.2" N 125°35'2.7" E		
ESP-TGB-331 Along the road in Purok 5 8°39'54.7" N 125°34'59.7" E		
ESP-TGB-332 Along the road in Purok 6 8°40'37.4" N 125°35'3.1" E		
ESP-TGB-333 Along the road in Purok 6 8°40'47.4" N 125°35'2.6" E		
Barangay Taganahaw		
ESP-TNW-97 Cubo River in Purok 1 8°42'41.9" N 125°40'39.1" E	High	Cubo River frequently flooded up to 1.3 meters high. Stream width is about 6 meters wide. Bank height is approximately 1.3 meters. Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Avoid future settlement adjacent to this area.
ESP-TNW-100 Cubo River in Purok 2 8°42'35.2" N 125°40'36.3" E	High	Cubo River frequently flooded up to 1.8 meters high. Stream width is about 6 meters wide. Bank height is approximately 1.5 meters. Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Avoid future settlement adjacent to this area.
ESP-TNW-92 Lahi Creek in Purok 1 8°43'2.3" N 125°40'42.8" E	High	Lahi Creek frequently flooded during heavy rainfall. Destroyed culvert was observed. Stream width is approximately 4-5 meters. Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Avoid future settlement adjacent to this area.
ESP-TNW-93 River Confluence in Purok 1 8°43'0.8" N 125°40'39.5" E	High	River Confluence between Cubo River and Lahi Creek. Flood reaches up to 1.6 meters high. Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Avoid future settlement adjacent to this area.

ESP-TNW-101 Barangay road in Purok 2 8°42'23.2" N 125°40'40.8" E		No reported case of flooding.
ESP-TNW-102 Barangay road in Purok 2 8°42'13.1" N 125°40'49.9" E		
ESP-TNW-103 Purok 3 proper 8°42'7.9" N 125°40'51.4" E		
ESP-TNW-104 Purok 3 proper 8°42'5.1" N 125°40'55.4" E		
ESP-TNW-105 Barangay road in Purok 3 8°42'7.1" N 125°41'0.3" E		
ESP-TNW-106 Barangay road in Purok 3 8°42'2.1" N 125°41'5.3" E		
ESP-TNW-107 Barangay road in Purok 3 8°41'51" N 125°41'6.4" E		
ESP-TNW-108 Barangay road in Purok 3 8°41'46.1" N 125°41'6.5" E		
ESP-TNW-109 Barangay road in Purok 3 8°41'40.8" N 125°41'4.5" E		
ESP-TNW-110 Barangay road in Purok 3 8°41'35.1" N 125°41'4.4" E		
ESP-TNW-111 Barangay Boundary in Purok 3 8°41'33" N 125°41'3.1" E		
ESP-TNW-91 Barangay Hall of Tag- anahaw 8°42'34.6" N 125°40'40.1" E		

ESP-TNW-94 Open fields in Purok 1 8°42'59.8" N 125°40'40.1" E		No reported case of flooding.
ESP-TNW-95 Purok 1 proper 8°42'57" N 125°40'39.8" E		
ESP-TNW-96 Barangay Road in Purok 1 8°42'50.3" N 125°40'38.2" E		
ESP-TNW-98 Purok 2 proper 8°42'38.9" N 125°40'41" E		
ESP-TNW-99 Tag-anahaw Elementary School 8°42'35.9" N 125°40'40.8" E		
Barangay Tagbalili		
ESP-TGB-1368 Libang River in Purok 1 8°32'54.2" N 125°26'26.5" E	Very High	<p>Flooding is only restricted in its river channel where worst flood height reached as high as 3 meters during typhoon Agaton. Frequent flooding in the area usually occur in the months of December to February.</p> <p>Recommendations: Develop an early warning system (e.g., signage). Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).</p>
ESP-TGB-1369 Libang River in Purok 3 8°32'47.7" N 125°26'20.6" E	Very High	
ESP-TGB-1370 Near Libang River in Purok 3 8°32'42.2" N 125°26'18.5" E	Very High	
ESP-TGB-1371 Along the road in Purok 3 8°32'35.5" N 125°26'17.1" E		No reported case of flooding.
ESP-TGB-1372 Purok 3 proper 8°32'40.8" N 125°26'18.7" E		
ESP-TGB-1373 Tagbalili Elementary School 8°32'42.2" N 125°26'22.9" E		
ESP-TGB-1374 Purok 3 waiting shed 8°32'42.8" N 125°26'23.7" E		
ESP-TGB-1375 Residences in Purok 2 8°32'43.8" N 125°26'26.5" E		

ESP-TGB-1376 Tanod Outpost 8°32'45.2" N 125°26'30.8" E		No reported case of flooding.
ESP-TGB-1377 Purok 2 waiting shed 8°32'45.2" N 125°26'31.6" E		
ESP-TGB-1378 Tagbalili Day Care Center 8°32'43.7" N 125°26'31.9" E		
ESP-TGB-1379 Tagbalili Barangay Hall 8°32'45.7" N 125°26'35" E		
ESP-TGB-1380 Tagbalili Health Center 8°32'44.3" N 125°26'32.7" E		
ESP-TGB-1381 Residences in Purok 1 8°32'46.5" N 125°26'32.1" E		
ESP-TGB-1382 Residences in Purok 1 8°32'49.4" N 125°26'33.9" E		
ESP-TGB-1383 Purok 1 waiting shed 8°32'50.5" N 125°26'35.1" E		
Barangay Tahina		
ESP-THN-03 Residential, Agricultural area in Purok 1 8°36'40.4" N 125°39'34.6" E	High	Area is prone to flooding. Recommendations: Stabilize riverbanks especially at the outer bend of the meander. Reinforce high concrete river walls/dikes/ to prevent river wall erosion and redirect water away from the community. Turbulent water during long heavy rain-causing flood may result to expansion of the river.
ESP-THN-04 Residential Area in Purok 1 8°36'39.5" N 125°39'31.7" E	High	
ESP-THN-09 Residential Area in Purok 5 8°36'45.2" N 125°39'34" E	Moderate	Localized flooding was observed in this particular area. The flooding is due to the lack of canals along the road/within the Purok.
ESP-THN-10 Residential Area in Purok 5 8°36'44.8" N 125°39'38" E	Moderate	Recommendations: Improve drainage system. Install appropriate drainage canals along the road (in applicable areas) to manage water run-off.
ESP-THN-01 Residential Area in Purok 4 8°36'42.9" N 125°39'34.2" E	Low	Sheet floods occur during heavy rains. Recommendation: Improve drainage system to prevent flooding.

ESP-THN-02 Residential Area in Purok 1 8°36'41.4" N 125°39'34.6" E	Low	Sheet floods occur during heavy rains. Recommendation: Improve drainage system to prevent flooding.
ESP-THN-05 Residential Area in Purok 2 8°36'43.4" N 125°39'27.5" E	Low	
ESP-THN-06 Residential Area in Purok 2 8°36'43.7" N 125°39'28.9" E	Low	
ESP-THN-07 Residential Area in Purok 4 8°36'43.1" N 125°39'31.1" E	Low	
ESP-THN-08 Residential Area in Purok 4 8°36'43.7" N 125°39'33.5" E	Low	
ESP-THN-11 Residential Area in Purok 3 8°36'41.5" N 125°39'37.8" E	Low	
Barangay Tandang Sora		
ESP-TDS-04 Residential area 8°33'2.6" N 125°41'48.6" E	Very High	Agusan River overflows and water is dispersed to the agricultural area. Since the barangay community is of the same elevation with the rice fields, intense sheet flooding (4 meters high) is frequently experienced by the residents. Recommendations: Develop an early warning device system. Observe for rapid increase/decrease in water levels. Advise for pre-emptive evacuation during inclement weather condition.
ESP-TDS-06 Residential, agricultural area 8°32'39.1" N 125°41'48.5" E	Very High	
ESP-TDS-11 Residential, agricultural area 8°32'36.2" N 125°41'38.7" E	Very High	The area has very high susceptibility to flooding due to the distance of Agusan River. Agusan River lies meters away to the east of Barangay Tandang Sora. Recommendations: Discourage future habitation and construction of structures in identified flood-prone areas. Advice for pre-emptive evacuation of residence during inclement weather condition and occasions of heavy and prolonged rains.
ESP-TDS-05 Residential, agricultural area 8°32'44.1" N 125°41'50.5" E	Very High	
ESP-TDS-07 Residential, agricultural area 8°32'39.2" N 125°41'44.2" E	Very High	

ESP-TDS-18 Residential, agricultural area 8°32'38.5" N 125°41'47.8" E	Very High	The area has very high susceptibility to flooding due to the distance of Agusan River. Agusan River lies meters away to the east of Barangay Tandang Sora. Recommendations: Discourage future habitation and construction of structures in identified flood-prone areas. Advice for pre-emptive evacuation of residence during inclement weather condition and occasions of heavy and prolonged rains.		
ESP-TDS-19 Agricultural area 8°32'32.6" N 125°41'20.6" E	Very High			
ESP-TDS-20 Agricultural area 8°32'39.5" N 125°41'31.9" E	Very High			
ESP-TDS-09 Residential, agricultural area in Purok 1A 8°32'38.1" N 125°41'44.8" E	Very High	The area has very high susceptibility to flooding due to the distance of Agusan River. Agusan River lies meters east of Barangay Tandang Sora. Recommendations: Discourage future habitation and construction of structures in identified flood-prone areas. Advice for pre-emptive evacuation of residence during inclement weather condition and occasions of heavy and prolonged rains.		
ESP-TDS-10 Residential, agricultural area 8°32'36.3" N 125°41'40.7" E				
ESP-TDS-12 Agricultural area 8°32'30.5" N 125°41'32.5" E				
ESP-TDS-14 Agricultural area 8°32'34.7" N 125°41'26.5" E				
ESP-TDS-15 Agricultural area 8°32'30.2" N 125°41'15.5" E				
ESP-TDS-16 Agricultural area 8°32'29.9" N 125°41'15.3" E				
ESP-TDS-17 Residential, agricultural area 8°32'40.4" N 125°41'44.3" E				
ESP-TDS-01 Residential area 8°33'32.7" N 125°42'9.6" E			Very High	The area is located at the riverbank of Agusan River. The area is prone to flash flood reaching 4.00 meters high. Recommendations: Future habitation and construction of structures in identified flood-prone areas are discouraged. Advice for pre-emptive evacuation of residence during inclement weather condition and occasions of heavy and prolonged rains.
ESP-TDS-03 Residential area 8°33'11" N 125°41'52.7" E				
ESP-TDS-02 Residential area 8°33'17.3" N 125°42'25" E	High	The area has very high susceptibility to flooding due to the distance of Agusan River. Agusan River lies meters away to the east of Barangay Tandang Sora. Recommendations: Discourage future habitation and construction of structures in identified flood-prone areas. Advice for pre-emptive evacuation of residence during inclement weather condition and		

		occasions of heavy and prolonged rains.
ESP-TDS-08 Residential, agricultural area 8°32'39.6" N 125°41'44.8" E	High	The area has very high susceptibility to flooding due to the distance of Agusan River. Agusan River lies meters east of Barangay Tandang Sora.
ESP-TDS-13 Agricultural area 8°32'30.4" N 125°41'31.6" E		Recommendations: Discourage future habitation and construction of structures in identified flood-prone areas. Advice for pre-emptive evacuation of residence during inclement weather condition and occasions of heavy and prolonged rains.
Barangay Valentina		
ESP-VLT-01 Residential area nearby Falcata plantation in Purok 1 8°34'14.5" N 125°44'44.4" E		The area is relatively elevated. No reported case of flooding.
ESP-VLT-02 Residential area nearby Falcata plantation in Purok 3 8°34'9.3" N 125°44'42.4" E		
ESP-VLT-03 Residential area nearby Falcata plantation in Purok 3 8°34'3.8" N 125°44'42.2" E		
ESP-VLT-04 Residential area nearby Falcata plantation in Purok 3 8°34'0.7" N 125°44'44.1" E		
ESP-VLT-05 Residential area nearby Falcata plantation in Purok 3 8°33'57.3" N 125°44'47.5" E		
ESP-VLT-06 Residential area nearby Falcata plantation in Purok 3 8°33'59.6" N 125°44'39.3" E		
ESP-VLT-07 Residential area nearby Falcata plantation in Purok 3 8°33'57" N 125°44'37.1" E		
ESP-VLT-08 Residential area nearby Falcata plantation in Purok 3 8°33'54.3" N 125°44'34.9" E		

<p>ESP-VLT-09 Residential area nearby Falcata plantation in Purok 3 8°33'52.7" N 125°44'34" E</p>		<p>The area is relatively elevated. No reported case of flooding.</p>
<p>ESP-VLT-10 Residential area nearby Falcata plantation in Purok 3 8°33'48.1" N 125°44'32.2" E</p>		
<p>ESP-VLT-11 Residential area nearby Falcata plantation in Purok 1 8°34'17.2" N 125°44'48.2" E</p>		
<p>ESP-VLT-12 Residential area nearby Falcata plantation in Purok 1 8°34'18.8" N 125°44'49.3" E</p>		
<p>ESP-VLT-13 Residential area nearby Falcata plantation in Purok 1 8°34'20.4" N 125°44'49.9" E</p>		
<p>ESP-VLT-14 Residential area nearby Falcata plantation in Purok 2 8°34'26.7" N 125°44'34.8" E</p>		
<p>ESP-VLT-15 Residential area nearby Falcata plantation in Purok 2 8°34'30.5" N 125°44'31.1" E</p>		
<p>ESP-VLT-16 Residential area nearby Falcata plantation in Purok 2 8°34'31.7" N 125°44'29.6" E</p>		
<p>ESP-VLT-17 Residential area nearby Falcata plantation in Purok 2 8°34'33.5" N 125°44'27.5" E</p>		
<p>ESP-VLT-18 Residential area nearby Falcata plantation in Purok 2 8°34'34.8" N 125°44'25.1" E</p>		

<p>ESP-VLT-19 Residential area nearby Falcata plantation in Purok 2 8°34'36.1" N 125°44'22.3" E</p>		<p>The area is relatively elevated. No reported case of flooding.</p>
<p>ESP-VLT-20 Residential area nearby Falcata plantation 8°34'42.3" N 125°44'28.6" E</p>		
<p>ESP-VLT-21 Residential area nearby Falcata plantation 8°34'47.6" N 125°44'27.3" E</p>		

PHOTOS

Barangay Aqsabu



(A) Afga creek inundates the area during persistent rain. (B) Aqsabu Elementary School is relatively on a higher elevation thus flooding in the area is minimal. Most of the flooding in the barangay is situated near Aqsabu River and Afga Creek.

Barangay Aguinaldo



Purok 2 (8° 37' 34.4" N, 125° 44' 4.8" E) A photos of Maasin River where most of the flooding in Purok 1, Purok 2 and the Agriland of Barangay Aguinaldo is associated.

Barangay Anolingnan



Photo on top, is a house situated on a steep slope. Shallow debris slide is also observed at the base of the slope. (Geographical Location: 8° 36' 46.7" N 125° 46' 21.2" E)



A barangay official shows the flood height of approximately 0.5 meter which lasted for almost a week during typhoon Agaton. (Geographical Location: 8° 36' 52" N 125° 46' 32.5" E)



An active landslide along the barangay road in Purok 6 associated with the prolonged heavy rains during typhoon Agaton. (Geographical Location: 8° 35' 28.8" N 125° 46' 30" E)

Barangay Bakingking



View of Ujot River which serves as their main access to Barangay Bakingking. Active bank erosion is also observed in the outer bend of the meander. (Geographical Location: 8° 40' 52.3" N 125° 31' 27.7" E)

Barangay Balubo



Clockwise: View of Ohot River taken from Purok 1. River overflow caused sheet flooding at Purok 1, Purok 2 and Purok 3.

Barangay Bentahon



Wawa River, Purok 2. Very High. Photo showing upstream of Wawa River. Point taken along the meander bend of the River. Flood reaches up to 2.1 meters during Typhoon Agaton. Bank erosion is active. GPS Coordinates: 125° 40' 43.3"E 8° 41' 1" N



Wawa River, Purok 1-B. Photo showing Wawa River. This river is frequently flooded and Typhoon Agaton registered the highest flood water. Wawa River is approximately 40 meters wide with a bank height of about 8 meters high. It was reported that the river channel migrates once every 3 years. GPS Coordinates: 125° 40' 38.8"E 8° 40' 51.8" N

Barangay Bunaquit



Purok 2 (8° 36' 51.1" N 125° 28' 39" E) The photo above is the Posilaw River showing the portion with active bank erosion.

Barangay Catmonon



Photos. Gumpaitan Creek taken from bridge approach (a) and rice field in Purok 3 (b) that is usually flooded during rainy season.



Photos. Basketball court near barangay office utilized as solar drier for corn and rice grains during summer (c) and segment of NIA irrigation which serves as main water supply to sustain agriculture during summer (d).

Barangay Cebulan



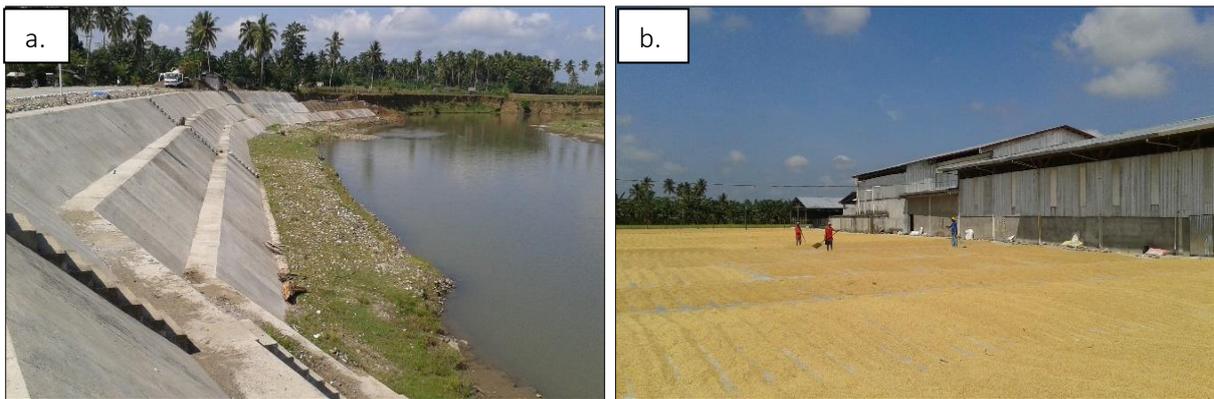
Photo on top is a distal view of the residential area that are situated on top of a 15-meter steep slope. Below is a close-up view of one of the houses. (Geographical Location: 8° 37' 48.4" N 125° 45' 42.2" E)

Barangay Concordia



Photo (A) A resident showing the flood depth in his house during one of the recorded overflows of the Agusan River. (B) The worst recorded flooding near the Barangay office was on 1982. Flood depth reached up to 1.0m in the area.

Barangay Crossing Luna



Photos. Dike constructed along the bank of Wawa River to mitigate rapid bank erosion as shown in the upper right of Photo a (active dike construction). Solar drier for corn and rice grains during summer (b).

Barangay Cubo



A resident in Purok 3 shows the flood height of approximately 2.1 meters in their house which lasted for 9 days. (Geographical Location: 8° 41' 36.7" N 125° 39' 1.7" E)



A barangay official points at the approximate flood height of 0.6 meters in Purok 4 waiting shed which lasts for 9 days. (Geographical Location: 8° 41' 38" N 125° 39' 3.9" E)

Barangay Dakutan



A barangay official shows the flood height of 1.7 meters which lasted for two weeks during typhoon Agaton.
(Geographical Location: 8° 38' 35.7" N 125° 41' 7.6" E)



A barangay official shows the flood height of 1.8 meters which lasted for two weeks during typhoon Agaton.
(Geographical Location: 8° 38' 47.7" N 125° 40' 23.8" E)



This picture shows severe bank erosion along Agusan River bank. (Geographical Location: 8° 38' 47.1" N 125° 40' 23.8" E)

Barangay Duangan



Barangay Kagawad pointing to the approximate flood depth during intense rain at Purok 7.



(A and B) Several creeks dissecting the barangay. Areas near/beside the creek are prone to flashfloods.

Barangay Guadalupe



Photo (A) Flood depth in Purok 9 when Agusan River overflows. (B) Ulios Elementary School on top of a moderate slope. (C) A fish cage (Oxbow lake) in Purok 9, residents designed their houses to float in case of flooding.

Barangay Guibonon



Purok 1 (8° 36' 46.7" N, 125° 20' 51.4"E) Low. This photo shows the residential area of Purok 1 and also the center of baranggay, there are no report of geohazards in the area but its access road is situated in a very steep slope and there are event of landslide in farmlands of some puroks.

Barangay Hawilian



A resident shows the flood height of 2.3 meters in her house which lasts for two weeks during typhoon Agaton. (Geographical Location: 8° 40' 20.7" N 125° 38' 21.1" E)



A barangay official points the worst flood height of 1.8 meters in the Elementary School. This area is usually flooded in the months of December to February. (Geographical Location: 8° 40' 18.8" N 125° 38' 14" E)



A barangay official points the approximate flood height of about 2.3 meters in one of the residences in Purok 3. (Geographical Location: 8° 40' 18.8" N 125° 38' 14" E)

Barangay Kalabuan



Both sides are bounded by very steep slopes approximately 80M high. A thick layer of loose soil materials was observed along with several indications of mass movement such as tilted trees and soil creep. At Purok 2 with GPS location: 8° 36' 51.9" N/125° 21' 5.1" E.



The photo above shows the over-all geohazards situation of Barangay Kalabuan, Esperanza. Source: Google Earth.

Barangay Kinamaybay



This photo shows a tribal house situated on top of a 15m steep slope composed of weathered sandstone. This house is used for occasional tribal meetings. (Geographical Location: 8° 44' 10.6" N 125° 24' 51.9" E)



A photo showing a reinforced concrete pipe (RCP) which was destroyed during typhoon Pablo due to prolonged heavy rains. (Geographical Location: 8° 44' 15.4" N 125° 25' 11.3" E)

Barangay Labao



Labao Bridge, Purok 2. Very High. Photo showing Labao Creek in Purok 1. Labao Creek frequently overflow during heavy rainfall especially during Amihan (December-February) Flood water usually reaches the top of the bridge 8 meters above the channel. GPS Coordinates: 125° 42' 45.7"E 8° 37' 45.5" N



Near Minaslat Creek, Purok 3. Very High. Photo showing flood marks indicating the height of flooding in Purok 3. Point taken adjacent to Minaslat Creek. Worst flooding was during Typhoon Agaton. GPS Coordinates: 125° 42' 48"E 8° 37' 44" N



Purok proper, Purok 2. Photo showing a resident of Purok 1 pointing at the approximate height of flooding during Typhoon Agaton. Station point was taken on top of Labao riverbank approximately 8 to 10 meters high from base of the channel. GPS Coordinates: 125° 42' 44"E 8° 37' 44.5" N

Barangay Langag



Ohot River, Purok 1. Photo taken near meander bend of Ohot River. Ohot River frequently takes a short cut and passes through this area during flooding carving a new river channel. Highest flood recorded was during Typhoon Agaton which reached up to 2.3 meters above river bank. GPS Coordinates: 125° 38' 24.5"E 8° 41' 18.8" N



Ohot River, Purok 1. Very High. Photo showing agricultural area of Ezperanza near the flood plain of Ohot and Agusan River(same station point from previous photo). See distal view of Poblacion, Ezperanza. GPS Coordinates: 125° 38' 24.5"E 8° 41' 18.8" N

Barangay Maasin



Ohot and Agsabo River Confluence, Purok 2. Photo showing Ohot and Agsabo River confluence. Point taken on top of River bank. Flooding is frequent especially during heavy rainfall. Bank erosion is active. Highest flood height was recorded during typhoon Pablo. Channelized flooding only. GPS Coordinates: 125° 28' 29.6"E 8° 40' 55.8" N



Agsabo River, Purok 1. Photo showing a flood monitoring post installed in the area to determine flood level of Agsabo River. GPS Coordinates: 125° 28' 31.6"E 8° 41' 1.3" N

Barangay Mac-Arthur



Purok 1(8° 35' 10" N, 125° 44' 27.6"E) Photo above show the mapped tension cracks in the basketball area near the Baranggay hall and Datu Mankumbate Elementary School. Several tension cracks were also identified that requires detailed mapping.



Purok 3 (8° 35' 5" N 125° 44' 25.9"E) Photos above show the mapped tension cracks in Purok 1 with traceto the residential area in Purok 3.

Barangay Mahagcot



Wawa River, Purok 8. Photo showing an agricultural area near Wawa River. Area frequently inundated during heavy rainfall. Massive bank erosion takes place every flooding. Wawa River is approximately 100 meters wide. Bank height where point was taken is about 6 meters. Highest recorded flooding was during Typhoon Agaton. GPS Coordinates: 125° 41' 53"E 8° 41' 49.7" N



Wawa River, Purok 8. Another photo showing cracks running adjacent to river bank of Wawa River indicating inward bank erosion. GPS Coordinates: 125° 41' 50.6"E 8° 41' 42.6" N

Barangay Maliwanag

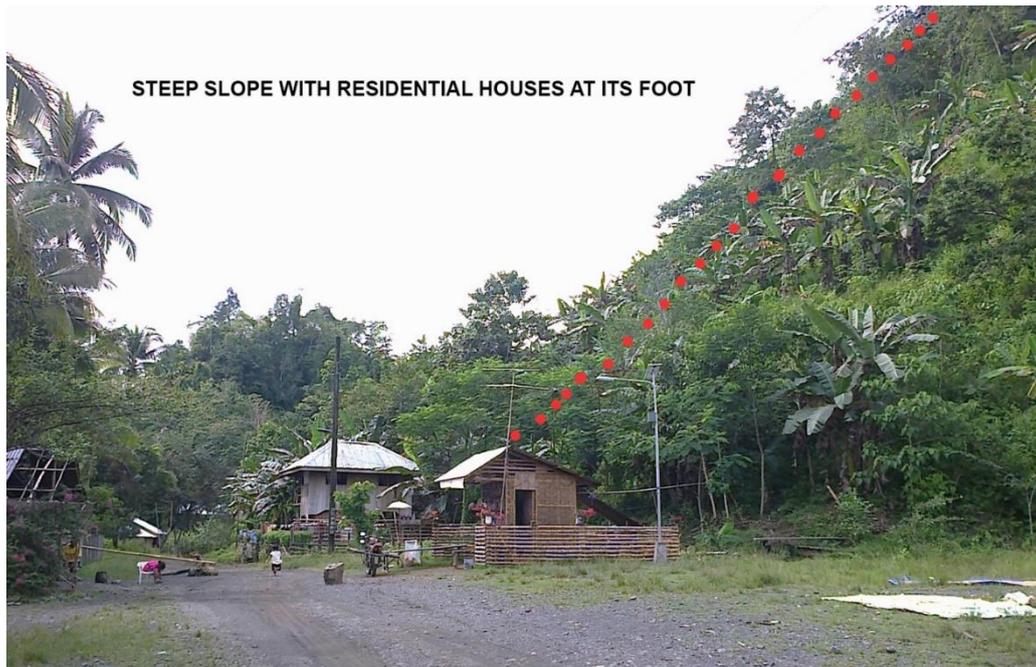


Libang River, Purok 2. Libang River approximately 20-25 meters wide. Highest recorded flooding was during Typhoon Pablo which reached up to 3 meters. Bank erosion is active. GPS Coordinates: 125° 31' 47.4"E 8° 31' 52.5" N

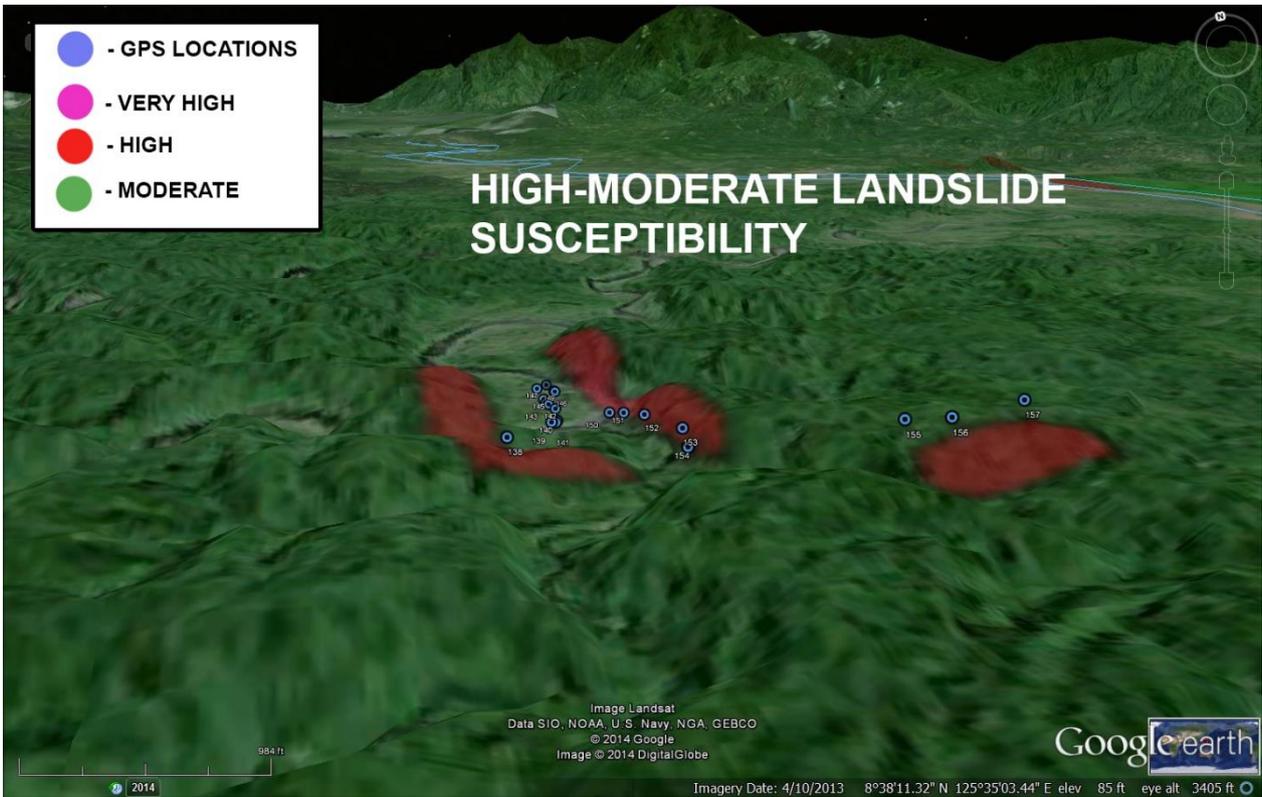


Creek, Purok 1. Creek approximately 5 meters wide draining towards Libang River. Frequently flooded during heavy rainfall. Flood height reached up to 1.5 meters during Typhoon Pablo. Channelized flooding only. GPS Coordinates: 125° 31' 35.7"E 8° 32' 25.9" N

Barangay Milagros



A very steep slope approximately 50 meters high was observed along the road. Six houses were identified to lie just a few meters at the foot of the slope. Relocation is highly advised for the residents. At Purok 3 with GPS location 8° 38' 2.6" N/125° 34' 48.2" E

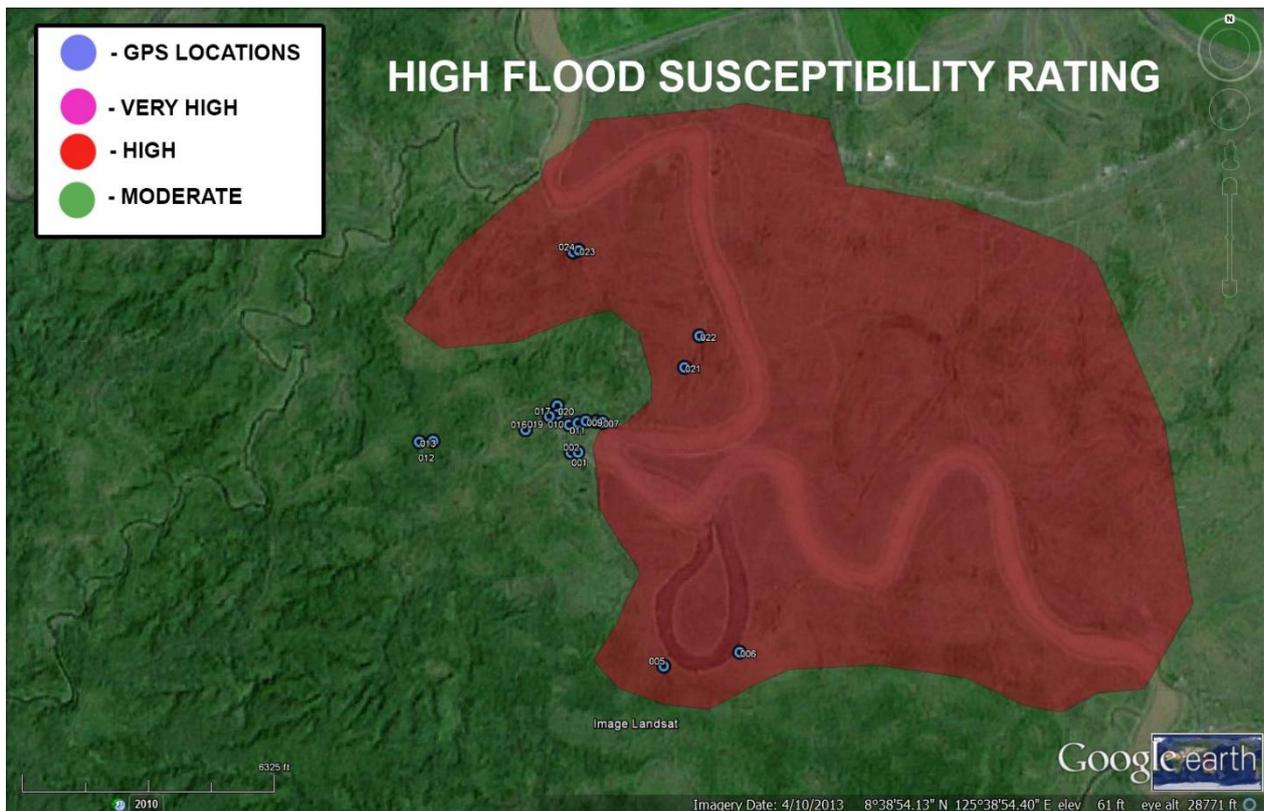


The two satellite photos above portrays the over-all geohazards situation of Barangay Milagros, Esperanza. Source: Google Earth

Barangay Nato



A very steep slope approximately 15M high was observed along the road. A number of houses are located at the foot of the slope. Signs of mass movement such as soil creep, and tilted trees were observed. At Purok 4 with GPS location: 8° 38' 54.9" N/125° 38' 32.2" E.



This satellite photo above portrays the over-all geohazards situation of Barangay Nato, Esperanza. Source: Google Earth

Barangay New Gingoog



Photos (A) (B) A localized landslide at the side of a road. The height of the slide is ~5-8m. Tension cracks were observed in the road. (C) (E) A localized landslide in an agricultural area in Purok 1. (D) Tilted coconut trees indicate soil movement/soil creep in the area that may develop into a mass movement.

Barangay Odiong



Purok 1 (8° 36' 57.9" N, 125° 45' 7.7"E). This Photo shows the Odiong River where bank erosion is active. The river is also usually flooded affecting the nearby communities.



Purok 1(8° 36' 59.7" N, 125° 45' 9.9"E). This photo shows a landslide approximately 200 meters located at the back of the school area in Purok 1.

Barangay Oro



(A) Oro Elementary School inundated during heavy rains; floodwater reached up to 0.7 m. (B) Areas in Purok 5 are highly susceptible to flooding because they generally flat and lie along Agusan River flood plain.

Barangay Piglawigan



Photos. Portion of Agusan River adjacent to the wide corn fields in Purok 7 (a) and old Agusan River channel forming an oxbow lake created from channel migration (b).

Barangay Poblacion



Photos. Segments of Agusan River in Purok 21 (a) and Purok 6 (b). These areas have very high flooding susceptibility.

Barangay Remedios



Barangay road, Purok 8. Photo showing cracks along Barangay road in Purok 8. Slope height is about 20 meters deep. GPS Coordinates: 125° 35' 56"E 8° 40' 17.5" N



Ohot River, Purok 5. Photo showing portion of Ohot River. Ohot River frequently flooded up to 2.5 meters during heavy rainfall and Amihan (December-February). River is approximately 50 meters wide and bank height is about 5 meters. GPS Coordinates: 125° 36' 39.8"E 8° 40' 28.2" N

Barangay Salug



Clockwise: Residential area near the base of a steep sloping terrain at Purok 2, Purok 3, Purok 6 and few houses at Purok 5 situated along moderately sloping ground.

Barangay San Isidro



Photo of Kubo Creek whose flood height reaches as high as 8.5 meters which lasted for >3 hours during typhoon Agaton. (Geographical Location: 8° 41' 59.2" N 125° 40' 15.1" E)

Barangay San Jose



Purok 3 (8° 35' 41.7" N 125° 45' 0.4"E) A photo showing a destroyed path way leading to the barangay center affected by minor mass movement.

Barangay Santa Fe



Photos.Head of landslide (a) in Purok 5 where about five house relocated. Segment of Agusan River showing round logs and boats (bangka). The river also serves as major navigational line when transporting of agricultural products in the downstream areas.

Barangay San Torribio



Purok Center, Purok 8. Photo showing Purok center of Purok 8. This structure was built on top of a slope approximately 20 meters high. Tension cracks were observed adjacent to this structure. Soil creep was also observed in this area indicating active mass movement. GPS Coordinates: 125° 45' 32.4"E 8° 37' 58.8" N



Purok Center, Purok 8. Photo showing tension cracks in Purok Center, Purok 8. GPS Coordinates: 125° 45' 32.4"E 8° 37' 58.8" N

Barangay San Vicente



Photo of a 20m long tension and has a vertical displacement of 0.2-0.7 meters high is observed near San Vicente Primary School. (Geographical Location: 8° 29' 25.1" N 125° 24' 17.4" E)

Barangay Segunda



Barangay Hall, Purok 2. Moderate. Photo showing Barangay Hall of Segunda. Barangay Hall of Segunda is situated on a moderate steep slope. Rill erosion is active. GPS Coordinates: 125° 31' 29.4"E 8° 33' 10.9" N



Segunda Elementary School, Purok 2. Photo showing Segunda Elementary School. The school is adjacent to the Barangay Hall. It is situated on a moderate to locally steep slope. Active rill erosion was observed. Soil creep is also observed. GPS Coordinates: 125° 31' 30.1"E 8° 33' 11.5" N

Barangay Sinakungan



Clockwise: Residential area along steep sloping ground, very steep road cut, road located atop of steep sloping terrain, and Sinakungan Primary School situated near a steep sloping ground.

Barangay Tagabase



Purok 1(8° 39' 51.4" N, 125° 35' 4.5"E) A photo showing the Ohot River (left) where active bank erosion is present. No river overflow has been reported but residents adjacent to the river banks (right) are still advised to regularly monitor the river water level during bad weather condition.

Barangay Taqanahaw



River Confluence, Purok 1. River confluence between Cubo River and Lahi Creek. Flooding reaches up to 1.6 meters. Bank erosion is active in the area. GPS Coordinates: 125° 40' 39.5"E 8° 43' 0.8" N



Cubo River, Purok 2. Photo showing Cubo River. Area frequently flooded up to 1.8 meters during heavy rainfall. Stream width is about 6 meters wide. Bank height is approximately 1.5 meters. Agricultural land frequently inundated by flooding. GPS Coordinates: 125° 40' 36.3"E 8° 42' 35.2" N

Barangay Tagbalili



A barangay official shows the approximate flood height of Libang River which reaches as high as 2.5 meters during Typhoon Agaton. (Geographical Location: 8° 32' 42.2" N 125° 26' 18.5" E)



Photo of a 20meter high landslide that was triggered during typhoon Agaton associated to the prolonged heavy rains. (Geographical Location: 8° 32' 35.5" N 125° 26' 17.1" E)

Barangay Tahina



(A) “Viewing direction: SSW” View of Libang River and the land area inundated by flood water. (B) The area is situated on a flat low-lying terrain. Flood depth could reach up to 0.8m.

Barangay Tandang Sora



(A) This area is mainly covered with rice fields that are normally flooded during intense heavy rainfall and overflow of Agusan river. (B) showing structurally adapted house to flooding.



(C) Barangay Tandang Sora's welcome signage from the Agusan river port. (D.) Kagawad looking at the level of flood water during typhoon Pablo.

Barangay Valentina



A flat narrow area approximately 20M wide along a 130M-high ridge. Both sides are found to have very steep slopes with notable signs of mass movement indicated by tilted trees. At Purok 3 with GPS location: 8° 33' 59.6" N/125° 44' 39.3" E



This satellite photo above shows the over-all geohazards situation of Barangay Milagros, Esperanza. Source: Google Earth