

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



**Submitted to:**



**Mines and Geoscience Bureau**  
Department of Environment and Natural Resources  
Central Office - MGB Compound, North Avenue  
Diliman, Quezon City

**Submitted by:**



**SRDP Consulting Inc.**  
Units 119, 420 & 421 SJB Condominium  
130-B Panay Ave, South Triangle  
Quezon City, Philippines

**OCTOBER 2014**



Republic of the Philippines  
Department of Environment and Natural Resources  
**MINES AND GEOSCIENCES BUREAU**  
Regional Office No. XIII

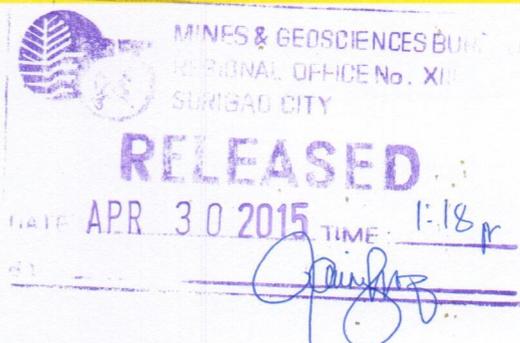
Km. 2 National Highway, Surigao City

Tel No. (+63 86) 826-5256; Fax No. (+63 86) 826-1058; E-mail: info@mgbr13.ph; website: www.mgbr13.ph

April 29, 2015

RD-G-15-04-288

**Honorable Kim Lope A. Asis**  
City Mayor  
City of Bayugan  
Province of Agusan del Sur



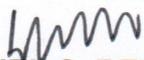
Dear Mayor Asis:

Respectfully furnishing your end the document entitled "Report on the 1:10,000 Scale Geohazards (Landslide and Flooding) Assessment and Mapping of the City of Bayugan, Agusan del Sur submitted by SRDP Consulting Inc. to Mines and Geosciences Bureau as one of the outsource cities for CY 2014. The assessment is in line with the government's effort aimed at reducing, if not totally mitigating the destructive effects and impacts of natural hazards to the populace.

The Office expresses its deep gratitude for the support and assistance rendered to the Geohazard Mapping and Assessment Team of SRDP Consulting Inc, during the conduct of the field survey.

We look forward to a continuing partnership and collaboration with the LGU of Bayugan City, Agusan del Norte in the nation's overall disaster risk reduction program.

Very truly yours,  
By the Authority of the Regional Director:

  
**ENGR. DANIEL S. BELDEROL**  
OIC, Mine Management Division

GSD-15-04-Ghz-254

Cc: **DIRECTOR, MGB CO**  
**HON. GOVERNOR**, Agusan del Sur  
**HON. REPRESENTATIVE**, 1st District, ADS  
**Office of Civil Defense, RDRRMC Caraga**

**REGIONAL EXECUTIVE DIRECTOR, DENR, R-XIII**  
**PENRO**, Agusan del Sur  
**CENRO**, Bayugan City  
**REGIONAL DIRECTOR, DILG-Caraga**

"MINING SHALL BE PRO-PEOPLE AND PRO-ENVIRONMENT  
IN SUSTAINING WEALTH CREATION AND IMPROVED QUALITY OF LIFE."



## REPORT ON THE 1:10,000 SCALE GEOHAZARDS (LANDSLIDE AND FLOODING) ASSESSMENT AND MAPPING OF BAYUGAN, 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 Bayugan, Agusan del Sur on October 13 - 20, 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
<b>A. Slope Gradient</b>	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>B. Weathering/Soil Characteristics</b>	Slight to moderate	Moderate	Intense; Soil usually non-cohesive	Intense; Soil usually non-cohesive
<b>C. Rock mass strength</b>	Very good to good	Fair	Poor to very poor	Poor to very poor
<b>D. Ground Stability</b>	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.
<b>E. Human Initiated effects</b>				May be an aggravating factor

**Table 2. Flood susceptibility parameters used during the assessment**

<b>Flood Susceptibility Parameters</b>	<b>Low</b>	<b>Moderate</b>	<b>High</b>	<b>Very High</b>
<b>A. Flood height</b>	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>B. Flood duration</b>	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
<b>C. Landform / Geomorphic feature</b>	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
<b>D. Drainage density</b>	Sparse to moderately-spaced drainage	Moderately-spaced drainage	Closely-spaced drainage	Closely-spaced drainage
<b>E. Prone to flashflood</b>	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 Bayugan, Agusan del Sur**

<b>Barangay</b>	<b>Page Number</b>	
	<b>Landslide</b>	<b>Flood</b>
Berseba		
Bucac		
Cagbas		
Calaitan		
Canayugan		
Charito		
Claro Cortez		
Fili		
Gamao		
Getsemane		

Grace Estate		
Hamogaway		
Katipunan		
Mabuhay		
Magkiangkang		
Mahayag		
Marcelina		
Maygatasan		
Montivesta		
Mt. Ararat		
Mt. Carmel		
Mt. Olive		
New Salem		
Noli		
Osmeña		
Panaytay		
Pinagalaan		
Poblacion		
Sagmone		
Saguma		
Salvacion		
San Agustin		
San Isidro		
San Juan		
Santa Irene		
Santa Teresita		
Santo Niño		
Taglatawan		
Taglibas		
Tagubay		
Verdu		
Villa Ondayon		
Wawa (Del Carmen)		

**Table 4. Results of the Landslide Hazard Assessment**

Location	Landslide Susceptibility Rating	Remarks/Recommendations
<b>Barangay Berseba</b>		
BAY-BRS-171 Barangay Hall of Barangay Berseba 8°50'6.3" N 125°8'47.8" E	High	Barangay Hall of Barangay Berseba sits on top of a ridge.  Recommendations: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.
BAY-BRS-178 Barangay road of Purok 4 8°50'54.8" N 125°8'29.4" E	High	Barangay road of Purok 4 located on a steep slope.
BAY-BRS-179 Barangay road of Purok 4 8°50'44.1" N 125°8'28.4" E		Recommendations: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.
BAY-BRS-183 Barangay road of Purok 4 8°50'40" N 125°8'36.1" E		
BAY-BRS-181 Barangay road of Purok 5 8°50'42" N 125°8'47.5" E	High	Barangay road of Purok 5 located on a steep slope.
BAY-BRS-180 Barangay road of Purok 5 8°50'47.1" N 125°8'18.6" E		Recommendation: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities.
BAY-BRS-177 Barangay road of Purok 6 8°51'6.2" N 125°8'25.8" E	High	Barangay road of Purok 6 located on a steep slope.  Recommendations: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.
BAY-BRS-182 Barangay road of Purok 8 8°50'32.2" N 125°8'39.4" E	High	Barangay road of Purok 8 located on a steep slope.  Recommendations: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.
BAY-BRS-190 Berseba Elementary School 8°50'7.2" N 125°8'45.2" E	High	Berseba Elementary School situated on a moderately steep slope. A collapsed building was observed at the back portion of the School. Some adjacent buildings have cracks in their respective walls indicating soil movement.  Recommendations: Abandon the building immediately. Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.

<p>BAY-BRS-191 Berseba National High School 8°50'4.4" N 125°8'45.4" E</p>	<p>High</p>	<p>Berseba National High School situated on top of a slope. Soil creep was observed at the back of the school.</p> <p>Recommendations: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.</p>
<p>BAY-BRS-173 Creek in Purok 6 8°51'15.6" N 125°8'21.4" E</p>	<p>High</p>	<p>Minor landslides were observed along this area. Relic landslides were also observed.</p> <p>Recommendations: Observe for and/or monitor for regeneration of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.</p>
<p>BAY-BRS-188 Purok 10 proper 8°49'16.1" N 125°8'48.8" E</p>	<p>High</p>	<p>Purok 10 proper. Series of road cuts were observed. Benching was applied to mitigate slopes.</p> <p>Recommendations: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.</p>
<p>BAY-BRS-187 Purok 11 proper 8°48'59.1" N 125°8'38.7" E</p>	<p>High</p>	<p>Purok 11 proper. Houses are located along portions of a road cut. Benching was applied to mitigate slopes.</p> <p>Recommendations: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.</p>
<p>BAY-BRS-186 Purok 12 proper 8°48'52.8" N 125°8'28.9" E</p>	<p>High</p>	<p>Purok 12 proper. Road cut was observed. 5 houses are situated at the foot of the slope.</p> <p>Recommendations: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.</p>
<p>BAY-BRS-184 Purok 2 proper 8°50'11.2" N 125°8'45.6" E</p>	<p>High</p>	<p>Purok proper 2 is situated on a steep slope. Slope in the area was mitigated however portions of the slopes collapsed.</p> <p>Recommendations: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.</p>
<p>BAY-BRS-172 Purok proper of purok 3 8°50'18.3" N 125°8'53.5" E</p>	<p>High</p>	<p>Purok proper of purok 3. Road cuts were observe along the area. Area sits on a steep slope.</p> <p>Recommendations: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.</p>
<p>BAY-BRS-189 Road cut in Purok 10 8°49'46.6" N</p>	<p>High</p>	<p>Road cut in Purok 10. Some portions of the slope has seepages indicating slope instability.</p>

125°8'51.9" E		Recommendations: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.
BAY-BRS-185 Road cut in Purok 2 8°50'12.7" N 125°8'47" E	High	Road cut in Purok 2. Benching was applied to mitigate slope. Bedded sandstone dipping 12° to SSE.  Recommendations: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.
BAY-BRS-176 Along Andanan River in Purok 6 8°51'28.2" N 125°8'3.8" E	High	Steep slopes were observed parallel to river channel.  Recommendations: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Constant communication and updates with Brgy. Berseba on geohazard situation.
BAY-BRS-175 Trail to Andanan River in Purok 7 8°51'27" N 125°8'13.6" E	High	Trail to Andanan River located on a steep slope.  Recommendation: Observe for and/or monitor for presence of mass movement (e.g. landslide, tension cracks), saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities.
BAY-BRS-174 Trail to Andanan River in Purok 6 8°51'19" N 125°8'21.8" E		
<b>Barangay Bucac</b>		
BAY-BUC-519 Agricultural area, Irrigation area 8°41'32.46" N 125°45'27.61" E	Low	Low landslide susceptibility.
BAY-BUC-01 Residential Area in Purok 7 8°40'59.63" N 125°45'54.86" E	Low	No landslide component mapped.
BAY-BUC-02 Agricultural area in Purok 7 8°41'1.21" N 125°46'7.32" E	Low	
BAY-BUC-03 Residential area in Purok 7 8°40'37.24" N 125°45'45.72" E	Low	
BAY-BUC-04 Residential area in Purok 2 8°41'38.62" N 125°45'26.42" E	Low	

BAY-BUC-05 Residential area in Purok 2 8°42'14.54" N 125°44'50.1" E	Low	No landslide component mapped.
BAY-BUC-06 Residential area in Purok 6 8°41'11.76" N 125°46'16.72" E	Low	
BAY-BUC-07 Residential area in Purok 6 8°41'7.08" N 125°46'23.09" E	Low	
BAY-BUC-08 Creek in Purok 6 8°40'58.37" N 125°46'24.74" E	Low	
BAY-BUC-09 Agricultural area in Purok 5 8°41'30.48" N 125°46'4.87" E	Low	
BAY-BUC-10 Residential area in Purok 5 8°41'47.83" N 125°45'49.72" E	Low	
BAY-BUC-11 Residential area in Purok 4B 8°41'58.78" N 125°45'45.29" E	Low	
BAY-BUC-12 Residential area in Purok 4B 8°42'3.96" N 125°45'52.74" E	Low	
BAY-BUC-13 School in Purok 3 8°42'5.15" N 125°45'39.85" E	Low	
BAY-BUC-14 Residential area in Purok 4A 8°42'14" N 125°45'33.16" E	Low	
BAY-BUC-15 Residential area in Purok 1 8°42'20.7" N 125°45'20.92" E	Low	
BAY-BUC-16 Open area in Purok 1 8°42'20.84" N 125°45'15.66" E	Low	

BAY-BUC-17 Bucac Barangay Hall 8°41'52.26" N 125°45'46.69" E	Low	No landslide component mapped.
BAY-BUC-18 Agricultural area in Purok 3 8°40'46.42" N 125°45'59.58" E	Low	
BAY-BUC-19 Agricultural area in Purok 3 8°41'19.72" N 125°45'53.64" E	Low	
BAY-BUC-20 Agricultural area in Purok 3 8°41'45.46" N 125°45'8.46" E	Low	
<b>Barangay Cagbas</b>		
BAY-CAG-193 Barangay Hall of Barangay Cagbas 8°42'5.8" N 125°43'50.9" E	Low	Area is flat. No landslide component mapped.
BAY-CAG-194 Cagbas Elementary School 8°42'3.9" N 125°43'49.2" E	Low	
BAY-CAG-195 Along Highway in Purok 2 8°41'59" N 125°43'43.2" E	Low	
BAY-CAG-196 Along barangay drainage system in Purok 4A 8°41'49.9" N 125°43'30.9" E	Low	
BAY-CAG-197 Along barangay drainage system in Purok 4A 8°41'45.1" N 125°43'23.5" E	Low	
BAY-CAG-198 Along Highway in Purok 4B 8°41'42.2" N 125°43'20.4" E	Low	
BAY-CAG-199 Creek passing Purok 4B 8°41'31.5" N 125°43'6.4" E	Low	
BAY-CAG-200 Creek passing Purok 4B 8°41'33.4" N 125°43'7.8" E	Low	

BAY-CAG-201 Purok 4A near NIA Canal 8°41'44.3" N 125°43'28.1" E	Low	Area is flat. No landslide component mapped.
BAY-CAG-202 Purok 4A near NIA Canal/NIA road 8°41'48.9" N 125°43'33.9" E	Low	
BAY-CAG-203 Purok 4A near NIA Canal/NIA road 8°41'51.3" N 125°43'38.7" E	Low	
BAY-CAG-204 Purok 4A near NIA Canal/NIA road 8°41'49.8" N 125°43'40.5" E	Low	
BAY-CAG-205 Purok 4A near NIA Canal/NIA road 8°41'53.2" N 125°43'44.1" E	Low	
BAY-CAG-206 Purok 4A near NIA Canal/NIA road 8°41'55.9" N 125°43'48.8" E	Low	
BAY-CAG-207 Purok 2 near NIA Canal/NIA road 8°42'2" N 125°44'6.3" E	Low	
BAY-CAG-208 Purok 2 near NIA Canal/NIA road 8°42'12.7" N 125°44'14.9" E	Low	
BAY-CAG-209 Boundary between Barangay Saguma and Cagbas 8°42'20.9" N 125°44'21.5" E	Low	
BAY-CAG-210 Along Bayugan River in Purok 1 8°42'30.9" N 125°44'21.8" E	Low	
BAY-CAG-211 Along Highway in Purok 2 8°42'16.7" N 125°44'6.6" E	Low	
BAY-CAG-212 Farm to market road along Purok 2 8°42'18.6" N 125°44'1.7" E	Low	

BAY-CAG-213 Farm to market road along Purok 3 8°42'19.4" N 125°43'40.4" E	Low	Area is flat. No landslide component mapped.
BAY-CAG-214 Farm to market road along Purok 4 8°42'18" N 125°43'29.4" E	Low	
BAY-CAG-215 Farm to market road along Purok 5 8°42'15" N 125°43'20.4" E	Low	
BAY-CAG-216 Farm to market road along Purok 6 8°42'5.1" N 125°43'12.4" E	Low	
BAY-CAG-217 Farm to market road along Purok 7 8°42'9.8" N 125°43'23.1" E	Low	
<b>Barangay Calaitan</b>		
BAY-CLT-500 Purok 3 along Provincial Road 8°45'55.87" N 125°46'23.48" E	Very High	The area is characterized by highly rolling topography with locally steep slopes and road cuts.  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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes. Reduce slopes of road cuts to mitigate the effect of erosion and landslide.
BAY-CLT-501 Purok 3 along Provincial Road 8°45'53.86" N 125°46'18.66" E	Very High	
BAY-CLT-499 Purok 7 along Provincial Road 8°47'18.17" N 125°47'4.45" E	High	The area is characterized by highly rolling topography with locally steep slopes and road cuts.  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 immediately report to MGB/municipal authorities. Avoid
BAY-CLT-559 Along Provincial road and residential area in Purok 2 8°46'14.88" N 125°46'45.16" E	High	
BAY-CLT-560 Provincial road and road cut, Purok 2 8°46'19.63" N 125°46'47.39" E	High	
BAY-CLT-561 Provincial Road, Purok 2 8°46'28.2" N 125°46'47.5" E	High	
BAY-CLT-562 Provincial road and residential area, Purok 7 8°46'41.74" N	High	

125°46'45.37" E		construction of new infrastructures along steep slopes. Reduce slopes of road cuts to mitigate the effect of erosion and landslide.
BAY-CLT-563 Provincial Road, Purok 7 8°46'49.66" N 125°46'39.97" E	High	
BAY-CLT-564 Provincial Road, Purok 7 8°46'54.3" N 125°46'31.98" E	High	
BAY-CLT-565 Provincial Road, Purok 7 8°46'57.68" N 125°46'33.06" E	High	
BAY-CLT-566 Provincial road and residential area, Purok 7 8°47'6.11" N 125°46'50.63" E	High	
BAY-CLT-567 Provincial road and residential area, Purok 8 8°47'20.22" N 125°46'51.67" E	High	
BAY-CLT-577 Provincial road and residential area, Purok 7 8°47'18.56" N 125°47'12.84" E	High	
BAY-CLT-558 Calaitan Brgy. Hall, residential area 8°46'11.24" N 125°46'40.58" E	Low	Low landslide susceptibility.
BAY-CLT-568 Fish pond and natural depression, Purok 7 8°47'3.55" N 125°46'40.87" E	Low	
BAY-CLT-569 Residential area, Purok 1 8°46'8.9" N 125°46'38.39" E	Low	
BAY-CLT-570 Residential area, Purok 6 8°46'7.93" N 125°46'37.45" E	Low	
BAY-CLT-571 Residential area, Purok 1 8°46'5.09" N 125°46'39" E	Low	
BAY-CLT-572 Calaitan River, Purok 1 8°46'5.77" N 125°46'28.7" E	Low	
BAY-CLT-573 Calaitan River, Purok 1 8°46'5.02" N 125°46'26.08" E	Low	

BAY-CLT-574 Calaitan River, Purok 4 8°46'3.47" N 125°46'19.09" E	Low	Low landslide susceptibility.
BAY-CLT-575 Andanan River, Purok 4 8°46'12.25" N 125°46'14.05" E	Low	
BAY-CLT-576 Andanan River and residential area, Purok 4 8°46'9.77" N 125°46'15.17" E	Low	
<b>Barangay Canayugan</b>		
BAY-CNN-01 Canayugan Barangay Hall 8°45'14.58" N 125°42'59.11" E	Low	No landslide component mapped.
BAY-CNN-02 Canayugan Creek, Purok 7 8°45'47.23" N 125°43'4.73" E	Low	
BAY-CNN-03 Residential area in Purok 7 8°45'48.92" N 125°43'4.33" E	Low	
BAY-CNN-04 Residential area in Purok 6 8°45'48.85" N 125°42'49.07" E	Low	
BAY-CNN-05 Residential area in Purok 6 8°45'39.13" N 125°42'49.07" E	Low	
BAY-CNN-06 Residential area in Purok 5 8°45'29.34" N 125°42'54.58" E	Low	
BAY-CNN-07 Residential area in Purok 4 8°45'23.33" N 125°42'57.71" E	Low	
BAY-CNN-08 Canayugan Elementary School 8°45'17.24" N 125°42'54.36" E	Low	
BAY-CNN-09 Residential area in Purok 3 8°45'18.07" N 125°42'57.6" E	Low	

BAY-CNN-10 Residential area in Purok 1 8°45'12.78" N 125°43'2.71" E	Low	No landslide component mapped.
BAY-CNN-11 Residential area in Purok 2 8°45'10.37" N 125°43'4.19" E	Low	
BAY-CNN-12 Canayugan Creek, Purok 3 8°45'11.66" N 125°42'37.73" E	Low	
BAY-CNN-13 Residential area in Purok 7 8°45'49.72" N 125°43'0.26" E	Low	
BAY-CNN-14 Residential area in Purok 6 8°45'48.6" N 125°42'53.53" E	Low	
BAY-CNN-15 Open area in Purok 3 8°45'15.8" N 125°42'49.1" E	Low	
BAY-CNN-16 Open area in Purok 3 8°45'12.74" N 125°42'43.16" E	Low	
BAY-CNN-17 Residential area in Purok 6 8°45'44.68" N 125°42'48.74" E	Low	
BAY-CNN-18 Agricultural area in Purok 1 8°45'17.35" N 125°43'8" E	Low	
BAY-CNN-19 Agricultural area in Purok 5 8°45'28.76" N 125°43'1.81" E	Low	
BAY-CNN-20 Agricultural area in Purok 6 8°45'38.66" N 125°42'57.31" E	Low	
<b>Barangay Charito</b>		
BAY-CHA-45 Charito Elementary School 8°39'52.1" N 125°45'8.9" E	Low	Area is flat. No landslide component mapped.

BAY-CHA-46 Barangay Hall of Charito 8°39'50.4" N 125°45'7.9" E	Low	Area is flat. No landslide component mapped.
BAY-CHA-47 Labao Creek 8°39'41.2" N 125°45'13.1" E	Low	
BAY-CHA-48 Purok 2 proper 8°39'37.1" N 125°45'21.7" E	Low	
BAY-CHA-49 Purok 2 proper 8°39'33.2" N 125°45'21.8" E	Low	
BAY-CHA-50 NIA road/open fields, Sitio Mahayag 8°39'48.9" N 125°45'20.4" E	Low	
BAY-CHA-52 Culvert/Labao Creek, Sitio Azucena 8°39'52.8" N 125°45'29.8" E	Low	
BAY-CHA-53 NIA road/open fields, Sitio Azucena 8°39'58.9" N 125°45'34.6" E	Low	
BAY-CHA-54 NIA road/open fields, Sitio Azucena 8°40'6" N 125°45'40.7" E	Low	
BAY-CHA-55 Purok 8 proper 8°40'18" N 125°45'43" E	Low	
BAY-CHA-57 Purok 8 proper 8°40'26" N 125°45'43.7" E	Low	
BAY-CHA-58 Purok 1 proper 8°39'46.5" N 125°45'12.3" E	Low	
BAY-CHA-59 NIA road to Purok proper 8°39'42.7" N 125°45'3.5" E	Low	
BAY-CHA-60 NIA road to Purok proper 8°39'34.9" N 125°44'53.1" E	Low	

BAY-CHA-61 Purok 5 proper 8°39'34.8" N 125°44'36.5" E	Low	Area is flat. No landslide component mapped.
BAY-CHA-62 Purok 7 proper 8°39'18.1" N 125°44'20.6" E	Low	
BAY-CHA-63 Labao Creek, Purok 7 8°39'9.1" N 125°44'15.9" E	Low	
BAY-CHA-65 Mahabo Creek, Purok 6 8°40'1.5" N 125°45'9.3" E	Low	
BAY-CHA-66 Mahabo Creek, Purok 6 8°40'8.5" N 125°45'8.7" E	Low	
BAY-CHA-67 NIA road to Purok proper 8°40'13.9" N 125°45'2.6" E	Low	
<b>Barangay Claro Cortez</b>		
BAY-CTZ-06 Residential and agricultural area in Purok 7 8°46'12.6" N 125°43'53.8" E	Moderate	The area is located along unstable slopes. Recommendation: Observe and monitor for presence of mass movement and report to MGB/municipal authorities.
BAY-CTZ-06 Residential area in Purok 6 8°46'7.39" N 125°43'55.12" E	Moderate	
BAY-CTZ-06 Residential area in Purok 6 8°46'7.4" N 125°43'55.12" E	Moderate	
BAY-CTZ-15 Residential area in Purok 5 8°45'58.6" N 125°43'53.3" E	Moderate	
BAY-CTZ-16 Residential and agricultural area in Purok 7 8°46'15.5" N 125°44'1.2" E	Moderate	
BAY-CTZ-01 Residential area in Purok 2 8°45'32.3" N 125°43'41.3" E	Low	

BAY-CTZ-02 Residential area in Purok 3 8°45'44.8" N 125°43'41.4" E	Low	The area is relatively flat. Low landslide susceptibility.
BAY-CTZ-03 Residential area in Purok 3 8°45'57.2" N 125°43'44" E	Low	
BAY-CTZ-04 Residential area in Purok 5 8°45'58.69" N 125°43'58.32" E	Low	
BAY-CTZ-04 Residential area in Purok 5 8°46'10.87" N 125°44'4.51" E	Low	
BAY-CTZ-04 Residential area in Purok 5 8°46'9.3" N 125°43'59.61" E	Low	
BAY-CTZ-04 Residential area in Purok 5 8°46'9.94" N 125°44'2.67" E	Low	
BAY-CTZ-04 Residential area in Purok 6 8°46'8.7" N 125°43'52.7" E	Low	
BAY-CTZ-05 Residential area in Purok 6 8°46'11.8" N 125°43'50.8" E	Low	
BAY-CTZ-07 Residential and agricultural area in Purok 6 8°45'57.3" N 125°43'45" E	Low	
BAY-CTZ-08 Residential area in Purok 3 8°45'57.3" N 125°43'43.5" E	Low	
BAY-CTZ-09 Residential area in Purok 3 8°45'57.3" N 125°43'42.5" E	Low	
BAY-CTZ-10 Residential area in Purok 3 8°45'57.3" N 125°43'42" E	Low	

BAY-CTZ-11 Residential area in Purok 3 8°45'57.2" N 125°43'41.5" E	Low	The area is relatively flat. Low landslide susceptibility.
BAY-CTZ-13 Residential area in Purok 3 8°45'57.1" N 125°43'41.4" E	Low	
BAY-CTZ-14 Residential area in Purok 3 8°45'51.8" N 125°43'41.4" E	Low	
BAY-CTZ-17 Residential and agricultural area in Purok 7 8°46'12.9" N 125°43'52.6" E	Low	
BAY-CTZ-18 Residential and agricultural area in Purok 4 8°45'57.2" N 125°43'46.1" E	Low	
BAY-CTZ-19 Residential and agricultural area in Purok 4 8°45'57.3" N 125°43'44.9" E	Low	
BAY-CTZ-20 Residential area in Purok 2 8°45'38.1" N 125°43'41.3" E	Low	
BAY-CTZ-21 Residential area in Purok 1 8°45'23.4" N 125°43'41.6" E	Low	
BAY-CTZ-22 Residential area in Purok 1 8°45'19.6" N 125°43'41.7" E	Low	
BAY-CTZ-23 Residential area in Purok 2 8°45'4.6" N 125°43'41.5" E	Low	
<b>Barangay Fili</b>		
BAY-FIL-12 Residential and agricultural area in Purok 9 8°42'49.8" N 125°46'12.8" E	High	The area is located along and at the foot of steep slopes.  Recommendations: Observe and monitor for the presence of mass movement and report to MGB/municipal authorities. Relocation is highly recommended.
BAY-FIL-13 Residential and agricultural area in Purok 9		

8°42'49.9" N 125°46'12.4" E		
BAY-FIL-05 Residential Area in Purok 12 8°42'33.2" N 125°45'59.1" E	Moderate	Area is prone to landslide. Slope beside the chapel has moderate landslide susceptibility due to creek/river erosion.  Recommendation: Stabilize riverbanks especially along the cut banks.
BAY-FIL-07 Residential and agricultural area in Purok 6 8°42'42.2" N 125°46'5.5" E	Moderate	Intense riverbank erosion was observed in the area.  Recommendation: Erosion/slope instability beside the houses and fronting the river should be closely monitored.
BAY-FIL-17 Residential and agricultural area in Purok 5 8°43'29.6" N 125°46'36.1" E	Moderate	The area is located along and at the foot of steep slopes.  Recommendations: Observe and monitor for presence of mass movement and report to MGB/municipal authorities. Relocation is highly recommended.
BAY-FIL-18 Residential and agricultural area in Purok 5 8°43'31" N 125°46'36.6" E		
BAY-FIL-06 Residential Area in Purok 12 8°42'35" N 125°45'59.6" E	Low	Area is prone to landslide. Slope near the creek/river has moderate landslide susceptibility due to creek/river erosion.  Recommendations: Stabilize riverbanks especially along the cut banks.
BAY-FIL-04 Residential area in Purok 12 8°42'33.5" N 125°45'57.4" E	Low	Area is relatively flat. No landslide component mapped.
BAY-FIL-29 Residential area in Purok 3 8°42'47.6" N 125°46'1.8" E	Low	No landslide component mapped.
BAY-FIL-09 Residential area in Purok 2 8°42'44.5" N 125°46'19.4" E	Low	No landslide/mass movement component mapped.
BAY-FIL-10 Residential area in Purok 2 8°42'42.8" N 125°46'18.1" E	Low	Situated on a relatively flat lying area. No landslide component mapped.
BAY-FIL-01 Fili Barangay Hall 8°42'39.4" N 125°46'5" E	Low	Slopes behind the barangay proper and fronting the river should be closely monitored for erosion/slope instability.  Recommendation: Observe for and/or monitor for presence of mass movement and report to MGB/municipal authorities (e.g., landslides, tension cracks).
BAY-FIL-15 Residential area in Purok 11 8°42'54.3" N 125°46'19.3" E	Low	The area is located on a gently rolling hill. No landslide component mapped.

BAY-FIL-16 Residential and agricultural area in Purok 5 8°43'23.6" N 125°46'26.9" E	Low	The area is located on a gently rolling hill. No landslide component mapped.
BAY-FIL-19 Along the road in Purok 5 8°43'16" N 125°46'25.8" E	Low	
BAY-FIL-20 Along the road in Purok 11 8°43'1.8" N 125°46'23.7" E	Low	
BAY-FIL-21 Along the road in Purok 9 8°42'48.5" N 125°46'15.4" E	Low	
BAY-FIL-22 Along the road in Purok 9 8°42'44.9" N 125°46'14.9" E	Low	
BAY-FIL-23 Along the road in Purok 6 8°42'45" N 125°46'4.5" E	Low	
BAY-FIL-24 Residential area in Purok 1 8°42'44.3" N 125°45'58.9" E	Low	
BAY-FIL-25 Residential area in Purok 1 8°42'44.7" N 125°45'57" E	Low	
BAY-FIL-26 Residential area in Purok 1 8°42'43.5" N 125°45'57" E	Low	
BAY-FIL-27 Residential area in Purok 4 8°42'53.7" N 125°45'53.3" E	Low	
BAY-FIL-28 Residential area in Purok 4 8°42'49.6" N 125°45'57.1" E	Low	The area is relatively flat. Low landslide susceptibility.
BAY-FIL-11 Residential area in Purok 2 8°42'37.3" N 125°46'18.6" E	Low	
BAY-FIL-08 Residential and agricultural area in Purok 6 8°42'45.2" N	Low	The area is relatively flat. No landslide/mass movement component mapped.

125°46'9.2" E		
BAY-FIL-02 Residential area in Purok 12 8°42'35.9" N 125°45'57.4" E	Low	The area is relatively flat.
BAY-FIL-03 Residential area in Purok 12 8°42'34.4" N 125°45'57.6" E	Low	Recommendation: Erosion/slope instability beside the houses and fronting the river should be closely monitored
BAY-FIL-14 Residential area in Purok 3 8°42'50.3" N 125°46'10.9" E	Low	The area is relatively flat. Steep slopes are located on the eastern part of the area.
<b>Barangay Gamao</b>		
BAY-GAM-29 Barangay Hall of Barangay Gamao 8°39'54.1" N 125°44'15.4" E	Low	Area is flat. No landslide component mapped.
BAY-GAM-30 Rice field area/Open fields, Purok 1 8°39'54.7" N 125°44'18.9" E	Low	
BAY-GAM-31 Rice field area/Open fields, Purok 1 8°39'54.4" N 125°44'28.3" E	Low	
BAY-GAM-32 Mahabo Creek, Purok 1 8°39'49.2" N 125°44'28.5" E	Low	
BAY-GAM-33 Gamao Elementary School 8°39'55.7" N 125°44'15.1" E	Low	
BAY-GAM-34 Purok 2 Proper 8°39'54.3" N 125°44'6.5" E	Low	
BAY-GAM-35 NIA road/Open fields, Purok 2 8°39'46" N 125°44'1.8" E	Low	
BAY-GAM-36 Mahabo Creek, Purok 2 8°39'25.8" N 125°44'1.5" E	Low	
BAY-GAM-38 Mahabo Creek, Purok 5 8°39'14.8" N 125°43'29.3" E	Low	

BAY-GAM-39 NIA road/Open fields, Purok 5 8°39'11.8" N 125°43'33.3" E	Low	Area is flat. No landslide component mapped.
BAY-GAM-40 NIA road/Open fields, Purok 3 8°39'55" N 125°43'50.5" E	Low	
BAY-GAM-41 Sagumpaitan Creek, Purok 3 8°39'54.4" N 125°43'13.7" E	Low	
BAY-GAM-42 Purok 2 Proper 8°40'11.6" N 125°44'16" E	Low	
BAY-GAM-43 NIA road/Open fields, Purok 2 8°40'21.2" N 125°44'35.3" E	Low	
BAY-GAM-44 NIA road/Open fields, Purok 4 8°40'21.3" N 125°44'47.4" E	Low	
BAY-GAM-68 NIA road/Open fields, Purok 5 8°39'6.35" N 125°44'11.14" E	Low	
BAY-GAM-69 NIA road/Open fields, Purok 5 8°39'13.76" N 125°43'57.03" E	Low	
BAY-GAM-70 NIA road/Open fields, Purok 3 8°39'50.7" N 125°43'39.08" E	Low	
BAY-GAM-71 NIA road/Open fields, Purok 5 8°40'0.56" N 125°44'16.26" E	Low	
BAY-GAM-72 NIA road/Open fields, Purok 5 8°39'21.1" N 125°44'32.72" E	Low	
<b>Barangay Getsemane</b>		
BAY-GTH-1005 Getsemane Elementary School 8°45'29.8" N	High	Getsemane Elementary School is situated on a gentle to steeply undulating slopes towards west and is not a suitable evacuation site. No reports of mass movement but may be prone to landslide since it is situated on the foot slope of a

125°50'27.3" E		steep slope.  Recommendation: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), and if there are any, report immediately to MGB or municipal authorities.
BAY-GTH-1016 Along the trail going to Purok 3 8°45'20.5" N 125°50'54.2" E	High	The area is bounded by steep slopes towards west. No reports of mass movement but may still be prone to landslide due to its slope gradient.  Recommendation: Discourage future habitation and construction of government structures in known/ identified landslide prone areas like steep slopes, mid-slopes and foot slopes of mountains.
BAY-GTH-1013 Along the dirt road in Purok 2 8°44'47.5" N 125°50'20.1" E	High	
BAY-GTH-1014 Purok 2 proper 8°44'45" N 125°50'17.8" E	High	
BAY-GTH-1006 Purok 1 near Getsemane Elementary School 8°45'29.2" N 125°50'27.7" E	High	The area is situated on a gentle to steeply undulating slopes towards west. No reports of mass movement but may be prone to landslide since it is situated on the foot slope of a steep slope.  Recommendation: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), and if there are any, report immediately to MGB/municipal authorities.
BAY-GTH-1012 Purok 4 waiting shed 8°44'52.5" N 125°50'24" E	High	The waiting shed is bounded by steep slopes towards west. No reports of mass movement but may still be prone to landslide due to its slope gradient.  Recommendations: Discourage future habitation and construction of government structures in known/identified landslide prone areas like steep slopes, mid-slopes and foot slopes of mountains. Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), and if there are any, report immediately to MGB or municipal authorities.
BAY-GTH-1011 Along the dirt road in Purok 4 8°45'0.5" N 125°50'27" E	Moderate	The area is bounded by steep slopes towards west and moderately undulating slopes towards northeast.  Recommendations: Discourage future habitation and construction of government structures in known/identified landslide prone areas like steep slopes, mid-slopes and foot slopes of mountains. Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), and if there are any, report immediately to MGB or municipal authorities.
BAY-GTH-1000 Along the trail in Purok 6 8°45'54.1" N 125°50'23" E	Low	The area is situated on a gently undulating slopes. No landslide/mass movement component mapped.
BAY-GTH-1001 Along the trail in Purok 6 8°46'0.5" N 125°50'19" E	Low	
BAY-GTH-1002 Purok 6 waiting shed 8°46'2" N 125°50'16.6" E	Low	

BAY-GTH-1003 Kahuli Creek, Purok 6 8°46'1.3" N 125°50'16.5" E	Low	The area is situated on a gently undulating slopes. No landslide/mass movement component mapped.
BAY-GTH-1004 Purok 6 near Kahuli Creek 8°46'1.3" N 125°50'16.4" E	Low	
BAY-GTH-1007 Purok 1 waiting shed 8°45'27.9" N 125°50'29.5" E	Low	
BAY-GTH-1008 Getsemane Barangay Hall 8°45'27.5" N 125°50'29.4" E	Low	
BAY-GTH-1009 Getsemane Health Center 8°45'26.6" N 125°50'29" E	Low	
BAY-GTH-1010 Along the dirt road in Purok 1 8°45'12.1" N 125°50'36.9" E	Low	
BAY-GTH-1017 Purok 2 proper 8°44'44.56" N 125°50'32.68" E	Low	
BAY-GTH-990 Purok 1 along the trail 8°45'27.6" N 125°50'31.4" E	Low	
BAY-GTH-991 Purok 1 near Sianib River 8°45'27.6" N 125°50'31.5" E	Low	
BAY-GTH-992 Purok 1 near Sianib River 8°45'27.8" N 125°50'31.6" E	Low	
BAY-GTH-993 Sianib River, Purok 1 8°45'27.7" N 125°50'31.6" E	Low	
BAY-GTH-994 Purok 7 waiting shed 8°45'28.2" N 125°50'32.6" E	Low	
BAY-GTH-995 Along the trail going to Purok 5 8°45'33" N 125°50'28.4" E	Low	
BAY-GTH-996 Along the trail going to Purok 5 8°45'37.8" N 125°50'28.1" E	Low	

BAY-GTH-997 Purok 5 waiting shed 8°45'42.7" N 125°50'26.3" E	Low	The area is situated on a gently undulating slopes. No landslide/mass movement component mapped.
BAY-GTH-998 Purok 5 along the trail 8°45'46.2" N 125°50'24.3" E	Low	
BAY-GTH-999 Purok boundary between 5 and 6 8°45'50.1" N 125°50'22.8" E	Low	
BAY-GTH-1015 Purok 3 proper 8°45'23.7" N 125°50'0.7" E	Low	The area is situated on a plateau but may still be affected by mass movement due to its slope gradient.  Recommendation: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.
<b>Barangay Grace Estate</b>		
BAY-GST-06 Residential and agricultural area in Purok 6 8°42'55" N 125°49'35.1" E	Moderate	A moderate steep slope was observed in the area with indications of mass movement.  Recommendations: 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 and report to the local government.
BAY-GST-07 Residential area in Purok 3 8°42'55.1" N 125°49'35" E	Moderate	
BAY-GST-03 Residential area in Purok 5 8°43'57" N 125°50'7.9" E	Moderate	The slope behind the school is unstable.  Recommendation: Addition of load on top should be avoided or stabilize the slopes.
BAY-GST-01 Residential area in Purok 2 8°43'57.4" N 125°49'56.1" E	Low	The area has low susceptibility to landslide.
BAY-GST-02 Residential area in Purok 2 8°43'57.6" N 125°49'56.1" E	Low	
BAY-GST-04 Residential area in Purok 1 8°42'55.7" N 125°49'1.1" E	Low	
BAY-GST-05 Residential area in Purok 4 8°42'55.5" N 125°49'35.1" E	Low	
BAY-GST-08 Residential area in Purok 8 8°43'33.5" N	Low	

125°49'24.4" E		
<b>Barangay Hamogaway</b>		
BAY-HMG-583 Maharlika Highway in Purok 8 8°42'36.32" N 125°47'49.88" E	High	<p>The area is characterized by highly rolling topography with locally steep slopes and road cuts.</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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes. Reduce slopes of road cuts to mitigate the effect of erosion and landslide.</p>
BAY-HMG-584 Maharlika Highway, residential area in Purok 8 NE Purok 7 SW 8°42'29.38" N 125°47'59.39" E	High	
BAY-HMG-585 Maharlika Highway, road cut in Purok 8 NE Purok 7 SW 8°42'28.94" N 125°48'3.64" E	High	
BAY-HMG-586 Maharlika Highway, road cut in Purok 8 NE Purok 7 SW 8°42'25.24" N 125°48'8.96" E	High	
BAY-HMG-587 Maharlika Highway, road cut in Purok 9 8°42'24.3" N 125°48'14.72" E	High	
BAY-HMG-588 Maharlika Highway, road cut in Purok 9 8°42'22.39" N 125°48'18.97" E	High	
BAY-HMG-590 Maharlika Highway, road cut in Purok 9 8°42'22.75" N 125°48'28.4" E	High	
BAY-HMG-603 Residential area in Purok 4B 8°42'56.84" N 125°47'38.11" E	High	
BAY-HMG-604 Maytibog River in Purok 4B, Purok 6 8°42'53.68" N 125°47'40.42" E	Moderate	<p>The area is characterized by gentle to moderately rolling topography with locally steep river banks.</p> <p>Recommendation: Avoid construction of new infrastructures adjacent to steep river banks.</p>
BAY-HMG-579 Hamogaway Brgy. Hall, residential area in Purok 4A 8°42'46.98" N 125°47'34.4" E	Low	Low landslide susceptibility.

BAY-HMG-580 Maytibog River , Purok 5 8°42'43.78" N 125°47'38.18" E	Low	Low landslide susceptibility.
BAY-HMG-581 Hamogaway Elementary School 8°42'43.45" N 125°47'36.56" E	Low	
BAY-HMG-582 Maharlika Highway in Purok 6 8°42'42.98" N 125°47'41.64" E	Low	
BAY-HMG-589 Maharlika Highway, road cut in Purok 9 8°42'19.19" N 125°48'40.14" E	Low	
BAY-HMG-591 Residential area in Purok 3 8°42'41.62" N 125°47'34.84" E	Low	
BAY-HMG-592 Maytibog River in Purok 3 8°42'39.56" N 125°47'33.36" E	Low	
BAY-HMG-593 Maytibog River in Purok 3 8°42'37.94" N 125°47'34.19" E	Low	
BAY-HMG-594 Maytibog River in Purok 3 8°42'32.9" N 125°47'31.96" E	Low	
BAY-HMG-595 Maytibog River in Purok 3 8°42'34.74" N 125°47'32.35" E	Low	
BAY-HMG-596 Maytibog River in Purok 3 8°42'35.64" N 125°47'33.29" E	Low	
BAY-HMG-597 Maytibog River in Purok 1 8°42'39.78" N 125°47'32.17" E	Low	
BAY-HMG-598 Residential area in Purok 1 8°42'42.08" N 125°47'32.86" E	Low	
BAY-HMG-599 Residential area in Purok 4A 8°42'45.11" N 125°47'34.51" E	Low	

BAY-HMG-600 Residential area in Purok 4B 8°42'49.72" N 125°47'34.55" E	Low	Low landslide susceptibility.
BAY-HMG-601 Agricultural area in Purok 4B 8°42'52.27" N 125°47'36.38" E	Low	
BAY-HMG-602 Maytibog River in Purok 4B 8°42'51.59" N 125°47'37.18" E	Low	
BAY-HMG-605 Bayugan River in Purok 4B 8°42'59.26" N 125°47'34.19" E	Low	
BAY-HMG-606 Bayugan River, Bridge in Purok 2 8°42'45.72" N 125°47'28.75" E	Low	
BAY-HMG-607 Maharlika Highway in Purok 1 8°42'46.15" N 125°47'26.48" E	Low	
<b>Barangay Katipunan</b>		
BAY-KPN-275 Katipunan Elementary School 8°37'35.8" N 125°48'20.1" E	High	Area is situated on steep slopes.  Recommendations: Develop an early warning system (e.g., signage). 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
BAY-KPN-278 Settlements Near Cliff in Purok 1 8°37'34" N 125°48'22.8" E	High	
BAY-KPN-280 Residential Area in Purok 10 8°37'44.8" N 125°48'22.9" E	High	
BAY-KPN-281 Settlements Near Cliff in Purok 10 8°37'48.1" N 125°48'25.2" E	High	
BAY-KPN-258 Residential and Agricultural area in Purok 9 8°36'21.8" N 125°48'43.3" E	High	Located on a flat terrain and bounded by steep slopes.  Recommendations: Develop an early warning system (e.g., signage). 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.

BAY-KPN-259 Residential and Agricultural area in Purok 9 8°36'21.2" N 125°48'43.9" E	High	<p>Located on a flat terrain and bounded by steep slopes.</p> <p>Recommendations: Develop an early warning system (e.g., signage). 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>
BAY-KPN-260 Residential and Agricultural area in Purok 9 8°36'21.2" N 125°48'45.5" E	High	
BAY-KPN-261 Residential and Agricultural area in Purok 9 8°36'21.9" N 125°48'49.4" E	High	
BAY-KPN-262 Residential and Agricultural area in Purok 9 8°36'26.1" N 125°48'47.4" E	High	
BAY-KPN-263 Residential and Agricultural area in Purok 9 8°36'26.3" N 125°48'47.3" E	High	
BAY-KPN-264 Residential and Agricultural area in Purok 9 8°36'26.3" N 125°48'47.3" E	High	
BAY-KPN-265 Barangay road along Cliff in Purok 9 8°36'28.2" N 125°48'44.4" E	High	<p>Road along steep ridge.</p> <p>Recommendations: Develop an early warning system (e.g., signage). 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>
BAY-KPN-266 Barangay road along Cliff in Purok 9 8°36'28.7" N 125°48'41.2" E	High	
BAY-KPN-267 Barangay road along Cliff in Purok 9 8°36'29.8" N 125°48'35.8" E	High	
BAY-KPN-268 Barangay road along Cliff in Purok 9 8°36'31.8" N 125°48'33.2" E	High	
BAY-KPN-269 Barangay road along Cliff in Purok 9 8°36'37.6" N	High	

125°48'19" E		
BAY-KPN-256 Katipunan Barangay hall 8°37'42.1" N 125°48'20.7" E	Moderate	Barangay hall situated on a moderate to steep slope.
BAY-KPN-257 Residential and Agricultural area in Purok 7 8°37'0.8" N 125°48'2.7" E	Moderate	Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities. Develop an early warning system (e.g., signage).
BAY-KPN-271 Residential Area in Purok 7 8°37'10.9" N 125°48'2.5" E	Moderate	Road along steep ridge.  Recommendations: Develop an early warning system (e.g., signage). 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.
BAY-KPN-272 Residential Area in Purok 7 8°37'20.3" N 125°48'4.4" E	Moderate	The area is situated on moderate to steep slopes.  Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.
BAY-KPN-273 Residential Area in Purok 7 8°37'25.1" N 125°48'6" E	Moderate	
BAY-KPN-274 Residential Area in Purok 7 8°37'31.7" N 125°48'13.4" E	Moderate	
BAY-KPN-276 Residential Area in Purok 3 8°37'40.6" N 125°48'20.3" E	Moderate	
BAY-KPN-277 Residential Area in Purok 3 8°37'42.6" N 125°48'20.1" E	Moderate	
BAY-KPN-279 Residential Area in Purok 2 8°37'39.5" N 125°48'20.3" E	Moderate	
BAY-KPN-282 Residential Area in Purok 6 8°37'50.1" N 125°48'17.1" E	Moderate	
BAY-KPN-283 Residential Area in Purok 4 8°37'50" N 125°48'16.9" E	Moderate	

BAY-KPN-284 Residential Area in Purok 5 8°37'49.1" N 125°48'19.3" E	Moderate	The area is situated on moderate to steep slopes.
BAY-KPN-285 Residential Area in Purok 8 8°38'39.4" N 125°47'48" E	Moderate	Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.
BAY-KPN-270 Residential Area in Purok 7 8°37'4.7" N 125°48'2.5" E	Low	Road along steep ridge. Recommendations: Develop an early warning system (e.g., signage). 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.
<b>Barangay Mabuhay</b>		
BAY-MBH-03 Residential area in Purok 4 8°46'26.5" N 125°42'41.1" E	High	Active landslide in the area. Recommendations: Stabilize the slopes by riprapping. Construction of houses in the area is discouraged.
BAY-MBH-06 Agricultural Area in Purok 4 8°46'23.4" N 125°42'28.9" E	Moderate	Moderate riverbank erosion was observed in the area. Recommendations: Slopes along Wawa river should be closely monitored for erosion/slope instability.
BAY-MBH-07 Agricultural Area in Purok 4 8°46'24.1" N 125°42'29.1" E	Moderate	
BAY-MBH-08 Agricultural Area in Purok 4 8°46'24.5" N 125°42'29.3" E	Moderate	
BAY-MBH-09 Agricultural Area in Purok 4 8°46'26" N 125°42'29" E	Moderate	
BAY-MBH-04 Residential area in Purok 4 8°46'26.6" N 125°42'40.4" E	Moderate	
BAY-MBH-01 Residential area in Purok 2 8°46'10.4" N 125°42'42.7" E	Low	Area is relatively flat. No landslide component mapped.
BAY-MBH-02 Residential area in Purok 4 8°46'26" N 125°42'42.6" E	Low	

BAY-MBH-05 Residential area in Purok 4 8°46'20.9" N 125°42'42.5" E	Low	Area is relatively flat. No landslide component mapped.
BAY-MBH-10 Residential area in Purok 3 8°46'7.1" N 125°42'29.9" E	Low	
BAY-MBH-11 Residential area in Purok 1 8°46'4.8" N 125°42'41.9" E	Low	
BAY-MBH-1074 Wawa River in Purok 3 8°46'6.1" N 125°42'8.5" E	Low	No landslide/mass movement component mapped.
BAY-MBH-1075 Residences in Purok 3 in Purok 3 8°46'6" N 125°42'12.6" E	Low	
BAY-MBH-1076 Along the road in Purok 3 8°46'5.9" N 125°42'11.9" E	Low	
BAY-MBH-1077 Along the road in Purok 3 8°46'5.8" N 125°42'11.3" E	Low	
BAY-MBH-1078 Along the road in Purok 3 8°46'5.8" N 125°42'9.8" E	Low	
BAY-MBH-1079 Along the road in Purok 3 8°46'0.5" N 125°42'16.1" E	Low	
BAY-MBH-1080 Purok 3 waiting shed 8°46'1.7" N 125°42'24.2" E	Low	
BAY-MBH-1081 Along the barangay road in Purok 3 8°46'3.9" N 125°42'35.9" E	Low	
BAY-MBH-1082 Along the barangay road in Purok 3 8°46'4.8" N 125°42'41.9" E	Low	
BAY-MBH-1083 Along the barangay road in Purok 1 8°46'4.9" N 125°42'42.2" E	Low	

BAY-MBH-1084 Mabuhay Creek in Purok 1 8°46'4.8" N 125°42'41.9" E	Low	No landslide/mass movement component mapped.
BAY-MBH-1085 Previous Purok 1 waiting shed 8°45'49.3" N 125°42'49.5" E	Low	
BAY-MBH-1086 Purok 1 waiting shed 8°46'5.8" N 125°42'45" E	Low	
BAY-MBH-1087 Mabuhay Barangay Hall 8°46'10.4" N 125°42'42.6" E	Low	
<b>Barangay Magkiangkang</b>		
BAY-MGK-02 Agriculture, along the trail in Purok 1 8°42'51.66" N 125°49'5.99" E	Moderate	A recent localized landslide was observed. Recommendations: Stabilize the slopes to prevent landslides.
BAY-MGK-03 Agriculture, along the trail in Purok 1 8°42'47.08" N 125°49'10.07" E	Moderate	
BAY-MGK-05 Road, Agriculture in Purok 3 8°43'1.73" N 125°49'31.06" E	Moderate	
BAY-MGK-12 Agricultural area in Purok 8 8°43'33.5" N 125°49'24.4" E	Moderate	Moderate soil creep was observed in the area. Recommendations: Addition of load on top should be avoided. Houses on the foot slope must be relocated.
BAY-MGK-10 Agriculture, along the trail in Purok 8 8°43'27.04" N 125°49'31.81" E	Moderate	Soil creep was observed in the area. Recommendation: Addition of load on top should be avoided.
BAY-MGK-1019 Purok 15 waiting shed 8°43'12.4" N 125°50'48.1" E	Moderate	The area is situated on a moderately undulating terrain. No landslide mapped in the area. 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.
BAY-MGK-1020 Along the barangay road in Purok 16 8°43'5.3" N 125°50'38.7" E	Moderate	
BAY-MGK-1021 Along the barangay road in Purok 17 8°43'6.9" N 125°50'31.6" E	Moderate	

BAY-MGK-1022 Purok 17 waiting shed 8°43'31.4" N 125°50'16.2" E	Moderate	<p>The area is situated on a moderately undulating terrain. No landslide mapped in the area.</p> <p>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.</p>	
BAY-MGK-1024 Along the barangay road in Purok 16 8°43'19.7" N 125°50'23.2" E	Moderate		
BAY-MGK-1025 Purok 14 waiting shed 8°43'14.8" N 125°50'25.5" E	Moderate		
BAY-MGK-1026 Purok 13 waiting shed 8°43'8.2" N 125°50'11.6" E	Moderate		
BAY-MGK-1027 Purok 12 waiting shed 8°43'7.4" N 125°50'3.3" E	Moderate		
BAY-MGK-1028 Along the barangay road in Purok 12 8°43'12.5" N 125°49'57.7" E	Moderate		
BAY-MGK-1031 Along the road in Purok 11 8°43'22.8" N 125°49'57.5" E	Moderate		
BAY-MGK-1032 Magkiangkang National High School 8°43'30.4" N 125°49'58.3" E	Moderate		
BAY-MGK-1033 Magkiangkang Elementary School 8°43'35.9" N 125°50'3.4" E	Moderate		
BAY-MGK-1034 Along the road in Purok 10 8°43'10.2" N 125°49'43.8" E	Moderate		
BAY-MGK-1035 Purok 10 waiting shed in Purok 10 8°43'9.8" N 125°49'41.1" E	Moderate		
BAY-MGK-1036 Magkiangkang Barangay Hall 8°43'11.6" N 125°49'41.8" E	Moderate		
BAY-MGK-1023 Purok 16 waiting shed 8°43'29.7" N 125°50'22.5" E	Moderate		<p>The area is situated on a moderately undulating terrain. No landslides found in the area.</p>
BAY-MGK-1029	Moderate		<p>Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated</p>

Along the barangay road in Purok 11 8°43'14.3" N 125°49'53.5" E		ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities.	
BAY-MGK-1030 Along the barangay road in Purok 11 8°43'14" N 125°49'54.1" E	Moderate		
BAY-MGK-04 Along the road in Purok 2 8°42'59.94" N 125°49'22.34" E	Low	The area is relatively flat. Low landslide susceptibility.	
BAY-MGK-06 Along the road, residential area in Purok 4 8°42'55.5" N 125°49'35.1" E	Low		
BAY-MGK-07 Residential area in Purok 6 8°43'10.29" N 125°49'36.03" E	Low		
BAY-MGK-08 Along the road, residential area in Purok 7 8°43'18.72" N 125°49'37.3" E	Low		
BAY-MGK-09 Along the road, residential area in Purok 8 8°43'24.31" N 125°49'33.86" E	Low		
BAY-MGK-11 Agricultural area in Purok 8 8°43'29.77" N 125°49'31.35" E	Low		
BAY-MGK-01 Residential area in Purok 1 8°42'55.7" N 125°49'1.1" E	Low		
<b>Barangay Mahayag</b>			
BAY-MHG-129 Along the road Purok 3 8°47'48.9" N 125°45'10.2" E	Very High		Area along the road is situated near a cliff and parallel to the dipping of the structure. Tension cracks were mapped.  Recommendations: Develop an early warning system (e.g., signage). If possible, provide alternative road. Stabilize slope edges where road cuts, government buildings, settlement and government facilities are located.
BAY-MHG-115 Along the Road Purok 1 8°47'50.7" N 125°45'8.9" E	Very High	Area is situated near a cliff and parallel to the dipping of the structure.  Recommendations: Look for potential relocation/evacuation site and request for detailed assessment from municipal/city planning and development office. Develop an early warning system (e.g., signage). Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Discourage future habitation and construction	
BAY-MHG-116 Purok 4 Community 8°47'40.1" N 125°45'28" E	Very High		
BAY-MHG-117	Very High		

Purok 4 Community 8°47'40.7" N 125°45'28.7" E		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). Stabilize slope edges where road cuts, government buildings, settlement and government facilities are located. 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.
BAY-MHG-118 Purok 4 Community 8°47'44.9" N 125°45'31" E	Very High	
BAY-MHG-119 Purok 3 Community 8°47'45.9" N 125°45'29.8" E	Very High	
BAY-MHG-120 Purok 3 Community 8°47'46.8" N 125°45'26.9" E	Very High	
BAY-MHG-121 Purok 3 Community 8°47'45.8" N 125°45'27.1" E	Very High	
BAY-MHG-122 Purok 3 Community 8°47'49.5" N 125°45'25.5" E	Very High	
BAY-MHG-123 Along the road Purok 3 8°47'53.4" N 125°45'25.4" E	Very High	
BAY-MHG-124 Along the road Purok 3 8°47'56.5" N 125°45'25" E	Very High	
BAY-MHG-125 Along the road Purok 3 8°47'58.5" N 125°45'21.8" E	Very High	
BAY-MHG-126 Along the road Purok 3 8°47'58.6" N 125°45'16.9" E	Very High	
BAY-MHG-127 Along the road Purok 3 8°47'52.9" N 125°45'15.1" E	Very High	
BAY-MHG-128 Along the road Purok 3 8°47'48.6" N 125°45'11.3" E	Very High	
BAY-MHG-130 Purok 2 Community 8°47'59.5" N 125°45'4.5" E	Very High	
BAY-MHG-131 Purok 2 Community 8°47'57.3" N 125°45'4.1" E	Very High	
BAY-MHG-132 Purok 2 Community 8°47'53.1" N 125°45'0.1" E	Very High	

BAY-MHG-133 Purok 2 Community 8°47'52.6" N 125°44'57.2" E	Very High	Area is situated near a cliff and parallel to the dipping of the structure.  Recommendations: Look for potential relocation/evacuation site and request for detailed assessment from municipal/city planning and development office. Develop an early warning system (e.g., signage). Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. 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). Stabilize slope edges where road cuts, government buildings, settlement and government facilities are located. 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.
BAY-MHG-114 Purok 1 community 8°47'56.4" N 125°45'9.1" E	Very High	
BAY-MHG-104 Along the Road Purok 2 8°47'25.4" N 125°44'11.7" E	Very High	
BAY-MHG-105 Along the Road Purok 2 8°47'25.6" N 125°44'11.7" E	Very High	
BAY-MHG-106 Along the Road Purok 2 8°47'24.5" N 125°44'15" E	Very High	
BAY-MHG-107 Along the Road Purok 2 8°47'24.1" N 125°44'27.2" E	Very High	Mass wasting remnants (soil and rock debris) that constricted the access road were mapped.
BAY-MHG-108 Along the Road Purok 2 8°47'24" N 125°44'30" E	Very High	Recommendations: Observe for saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Develop an early warning system (e.g., signage). Immediately clear landslide debris along the road.
BAY-MHG-109 Along the Road Purok 2 8°47'29.5" N 125°44'39.7" E	Very High	Stabilize slope edges where road cuts, government buildings, settlement and government facilities are located. If possible, provide alternative road.
BAY-MHG-110 Along the Road Purok 2 8°47'33" N 125°44'41.9" E	Very High	
BAY-MHG-111 Along the Road Purok 2 8°47'42.9" N 125°44'51.3" E	Very High	
BAY-MHG-112 Along the Road Purok 2 8°47'49.6" N 125°44'56.2" E	Very High	
BAY-MHG-113 Along the Road Purok 2 8°47'54.4" N 125°44'58" E	Very High	

Barangay Marcelina		
BAY-MRC-21 Barangay boundary of Marcelina 8°38'32.2" N 125°47'45.5" E	High	Barangay boundary of Marcelina. Moderately steep slopes with active soil movement. Affected by "kaingin".  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. Marcelina on geohazard situation.
BAY-MRC-23 Barangay road in Purok 10 8°38'44.7" N 125°47'45.8" E	High	Barangay road with collapsed portion due to mass movement. Present road is located 4 meters away from original position due to collapse. Movement of soil was observed on both sides of the road.  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. Marcelina on geohazard situation. Construct engineering structures to mitigate slopes.
BAY-MRC-22 Purok proper of Purok 10 8°38'39.5" N 125°47'47.5" E	High	Purok proper of Purok 10. Situated on a moderately steep slopes with minor landslide especially at the back of the barangay hall.  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. Marcelina on geohazard situation.
BAY-MRC-1 Rice field/open field in Purok 1 8°39'39.1" N 125°46'47.6" E	Low	Area is flat. No landslide component mapped.
BAY-MRC-10 Barangay road of Purok 2 8°39'14.3" N 125°46'46.4" E	Low	
BAY-MRC-11 Barangay road of Purok 3 8°39'14" N 125°46'20.5" E	Low	
BAY-MRC-12 Purok proper of Purok 5 8°38'49.4" N 125°46'20.2" E	Low	
BAY-MRC-13 Open fields of Purok 6 8°38'50.5" N 125°46'31.7" E	Low	
BAY-MRC-14 Purok proper of Purok 6 8°38'54.5" N 125°46'54.4" E	Low	
BAY-MRC-15 Purok proper of Purok 7-Old 8°38'41.2" N 125°47'1.3" E	Low	

BAY-MRC-16 Purok proper of Purok 7- Old 8°38'34.3" N 125°47'0.3" E	Low	Area is flat. No landslide component mapped.
BAY-MRC-17 New Demar Elementary School 8°38'7.1" N 125°46'49.8" E	Low	
BAY-MRC-18 Road to Purok 12 8°38'10.2" N 125°46'51.2" E	Low	
BAY-MRC-19 Road to Purok 11 8°39'0.6" N 125°47'23.3" E	Low	
BAY-MRC-2 Rice field/open field in Purok 1 8°39'37.2" N 125°46'32.3" E	Low	
BAY-MRC-20 Purok proper of Purok 11 8°39'3" N 125°47'32.1" E	Low	
BAY-MRC-2000 Barangay Hall of Barangay Marcelina 8°39'26.2" N 125°46'54.4" E	Low	
BAY-MRC-24 Bridge in Panaytay Creek 8°39'8.8" N 125°47'26" E	Low	
BAY-MRC-25 Purok proper of Purok 9 8°39'20.4" N 125°47'4.8" E	Low	
BAY-MRC-26 Marcelina National High School 8°39'35.9" N 125°47'0.6" E	Low	
BAY-MRC-27 Lapana Elementary School 8°39'37.4" N 125°46'57.4" E	Low	
BAY-MRC-28 Purok proper of Purok 3 8°40'0.4" N 125°47'5.2" E	Low	
BAY-MRC-3 Panaytay Creek in Purok 1 8°39'37.4" N 125°46'26.7" E	Low	

BAY-MRC-4 Open fields/rice fields in Purok 8 8°39'43.5" N 125°46'16.7" E	Low	Area is flat. No landslide component mapped.
BAY-MRC-5 Panaytay creek adjacent to Purok 5 8°39'45.5" N 125°46'12.3" E	Low	
BAY-MRC-6 Panaytay creek adjacent to Purok 5 8°39'47.2" N 125°46'9.9" E	Low	
BAY-MRC-7 Hagab Creek near Purok 4 8°39'51.6" N 125°46'7.7" E	Low	
BAY-MRC-8 Purok proper of Purok 2 8°39'30" N 125°46'49.1" E	Low	
BAY-MRC-9 Panaytay Bridge, Purok 2 8°39'22" N 125°46'53.7" E	Low	
<b>Barangay Maygatasan</b>		
BAY-MYG-156 Barangay road/farm to market road/ rice field areas, Purok 5 8°43'17.8" N 125°43'27" E	Low	Area is relatively flat. No landslide component mapped.
BAY-MYG-157 Barangay road/farm to market road/ rice field areas, Purok 5 8°43'18.2" N 125°43'31.9" E	Low	
BAY-MYG-158 Barangay road/farm to market road/ rice field areas, Purok 5 8°43'16" N 125°43'40.4" E	Low	
BAY-MYG-159 Purok 6 proper 8°43'12.5" N 125°44'4.9" E	Low	
BAY-MYG-160 Purok 6 proper/National highway 8°43'16" N 125°44'7.6" E	Low	
BAY-MYG-161 Purok 8 proper/National highway 8°43'21" N 125°44'2.9" E	Low	

BAY-MYG-162 Fishpond, Purok 7 8°43'41" N 125°43'54.5" E	Low	Area is relatively flat. No landslide component mapped.
BAY-MYG-163 Purok 7 near Wawa River 8°43'42.1" N 125°43'59.4" E	Low	
BAY-MYG-164 Purok 7 near Wawa River 8°43'45.7" N 125°44'2.6" E	Low	
BAY-MYG-165 Road to purok proper of Purok 7 8°43'40.3" N 125°43'59.2" E	Low	
BAY-MYG-166 Purok proper of purok 7 8°43'39.9" N 125°44'3.1" E	Low	
BAY-MYG-167 Purok proper of purok 7 8°43'40.7" N 125°44'3.6" E	Low	
BAY-MYG-168 Purok proper of purok 7 8°43'40.7" N 125°44'3" E	Low	
BAY-MYG-170 Top of Bayugan Bridge, Purok 7 8°43'53.9" N 125°43'43" E	Low	
BAY-MYG-455 Maygatasan Brgy. Hall, residential area 8°42'35.1" N 125°43'5.02" E	Low	Low landslide susceptibility.
BAY-MYG-456 Brgy. Road, residential area in Purok 2 8°42'36.18" N 125°43'2.03" E	Low	
BAY-MYG-457 Wawa River flood plain in Purok 1 8°42'38.45" N 125°42'54.68" E	Low	
BAY-MYG-458 Sibagat River, Hanging Bridge in Purok 1 8°42'39.31" N 125°42'50.8" E	Low	
BAY-MYG-459 Covered court in Purok 2 8°42'32.69" N 125°43'9.01" E	Low	

BAY-MYG-460 River bank in Purok 2 8°42'33.73" N 125°43'14.99" E	Low	Low landslide susceptibility.
BAY-MYG-461 Maygatasan Elementary School 8°42'40.68" N 125°43'13.22" E	Low	
BAY-MYG-462 Residential area in Purok 3 8°42'44.39" N 125°43'12.25" E	Low	
BAY-MYG-463 Brgy. Road in Purok 4 8°42'52.67" N 125°43'20.71" E	Low	
BAY-MYG-464 Agricultural area in Purok 4 8°42'57.28" N 125°43'19.85" E	Low	
BAY-MYG-465 Agricultural area in Purok 4 8°43'8.83" N 125°43'23.34" E	Low	
<b>Barangay Montevista</b>		
BAY-MVT-165 Purok 5 riverside Community area 8°43'21" N 125°40'38.3" E	Moderate	Active riverbank erosion. Recommendation: Stabilize riverbanks especially at the outer bend of the meander.
BAY-MVT-166 Purok 2 riverside Community area 8°43'21.7" N 125°40'35.1" E	Moderate	
BAY-MVT-167 Purok 2 riverside Community area 8°43'22" N 125°40'38.5" E	Moderate	
BAY-MVT-158 Barangay road in Purok 5 8°44'14.1" N 125°40'23.5" E	Low	No landslide component mapped.
BAY-MVT-159 Barangay road in Purok 5 8°44'6.6" N 125°40'26.1" E	Low	
BAY-MVT-160 Barangay road in Purok 5 8°43'56.5" N 125°40'31.2" E	Low	
BAY-MVT-161 Barangay road in Purok 5 8°42'59.5" N 125°40'47.6" E	Low	

BAY-MVT-162 Barangay road in Purok 5 8°43'9" N 125°40'46" E	Low	No landslide component mapped.
BAY-MVT-163 Barangay road in Purok 5 8°43'13.7" N 125°40'43.6" E	Low	
BAY-MVT-164 Purok 5 Community area 8°43'19.8" N 125°40'41" E	Low	
BAY-MVT-168 Purok 2 Community 8°43'23.9" N 125°40'39.5" E	Low	
BAY-MVT-169 Purok 1 Community 8°43'22.5" N 125°40'40.3" E	Low	
BAY-MVT-170 Purok 1 Community 8°43'26.6" N 125°40'39.1" E	Low	
BAY-MVT-171 Monte Vista Elementary School 8°43'35.1" N 125°40'39.5" E	Low	
BAY-MVT-172 Purok 3 Riverside Community 8°43'40.4" N 125°40'38.3" E	Low	
BAY-MVT-173 Purok 3 Riverside Community 8°43'40" N 125°40'37.9" E	Low	
BAY-MVT-174 Purok 3 Community 8°43'43.2" N 125°40'37.4" E	Low	
BAY-MVT-175 Purok 4 Community area 8°43'47.9" N 125°40'34.6" E	Low	
BAY-MVT-176 Purok 4 Community area 8°43'50.4" N 125°40'32.7" E	Low	
BAY-MVT-177 Purok 4 Community area 8°43'51" N 125°40'29.3" E	Low	
BAY-MVT-178 Barangay road in Purok 4 8°43'59" N 125°40'29.8" E	Low	

BAY-MVT-179 Barangay road in Purok 4 8°44'11.4" N 125°40'24.1" E	Low	No landslide component mapped.
<b>Barangay Mt. Ararat</b>		
BAY-MAR-01 Road in Purok 1 8°49'33.46" N 125°49'34.72" E	High	This part of the road at Purok 1 lies along a steeply sloping terrain.
BAY-MAR-02 Road in Purok 1 8°49'37.31" N 125°49'39.14" E		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. Mt. Ararat on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MAR-17 Trail in Purok 6 8°48'32.94" N 125°48'47.2" E	Moderate	Access route going to Purok 6 lies within a moderately 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. Mt. Ararat on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MAR-16 Residential area in Purok 5 8°49'7.93" N 125°49'43.5" E	Moderate	Residential area at Purok 5 lies along a moderately 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. Mt. Ararat on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MAR-18 Residential area in Sitio Hermon 8°48'29.45" N 125°48'48.38" E	Moderate	Residential area at Purok 6 lies along a moderately 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. Mt. Ararat on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MAR-08 Road in Sitio Moriah 8°49'30.61" N 125°49'27.59" E	Moderate	Road at Purok 3 lies along a steeply sloping terrain.  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. Mt. Ararat on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MAR-13 Road in Purok 5 8°49'18.12" N 125°49'52.79" E	Moderate	Road at Purok 5 lies along a moderately sloping terrain.  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
BAY-MAR-14	Moderate	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

Road in Purok 5 8°49'14.23" N 125°49'46.92" E		report to MGB/municipal authorities. Develop an early warning system (e.g., signages). Constant communication and updates with Brgy. Mt. Ararat on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MAR-15 Road in Purok 5 8°49'22.69" N 125°49'53.98" E	Moderate	
BAY-MAR-03 Road in Purok 1 8°49'27.55" N 125°49'50.27" E	Moderate	This part of the road at Purok 1 lies along a steeply sloping terrain.  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. Mt. Ararat on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MAR-07 Creek near residential area in Sitio Moriah 8°49'37.45" N 125°49'15.38" E	Low	Area is located at the base of a steeply sloping terrain.  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. Mt. Ararat on geohazard situation.
BAY-MAR-09 Creek near residential area in Sitio Moriah 8°49'34.25" N 125°49'19.24" E		
BAY-MAR-05 Creek near residential area in Purok 1 8°49'35.51" N 125°49'46.45" E	Low	Area is situated along low undulating ground and lies at the base of a steeply sloping terrain some 600 meters to its east.  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. Mt. Ararat on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MAR-20 Mt. Ararat Barangay Hall 8°49'40.01" N 125°49'46.34" E	Low	Mt. Ararat Barangay Hall is situated along a low undulating ground and lies at the base of a steeply sloping terrain some 600 meters to its east.  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. Mt. Ararat on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MAR-21 School 8°49'42.64" N 125°49'46.81" E	Low	Mt. Ararat Elementary School is situated along a low undulating ground and lies at the base of a steeply sloping terrain some 600 meters to its east.  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. Mt. Ararat on geohazard situation. Avoid building of houses near slope areas prone to ground failure.

BAY-MAR-19 Creek near residential area in Sitio Hermon 8°48'36.65" N 125°48'46.22" E	Low	No landslide component mapped.
BAY-MAR-04 Residential area in Purok 1 8°49'34.57" N 125°49'46.09" E	Low	Residential areas are mostly situated along low undulating ground and lie at the base of a steeply sloping terrain some 600 meters to its east.
BAY-MAR-06 Residential area in Purok 2 8°49'39.07" N 125°49'53.11" E		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. Mt. Ararat on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MAR-11 Residential area in Purok 3 8°49'36.48" N 125°49'16.43" E	Low	Purok 3 residential area is located at the base of a steeply sloping terrain.  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. Mt. Ararat on geohazard situation.
BAY-MAR-12 Residential area in Purok 4 8°49'33.42" N 125°49'47.46" E	Low	Residential areas are mostly situated along low undulating ground and lie at the base of a steeply sloping terrain some 600 meters to its east.  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. Mt. Ararat on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MAR-10 School in Sitio Moriah 8°49'35.8" N 125°49'19.74" E	Low	New Moriah Elementary School is located at the base of a steeply sloping terrain.  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. Mt. Ararat on geohazard situation.
<b>Barangay Mt. Carmel</b>		
BAY-MTC-20 Road in Purok 1 8°46'30.32" N 125°49'44.18" E	Very High	A minor landslide was mapped along the steep slopes near Barangay road at Purok 1.  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. Mt. Carmel on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MTC-13 Open area/Covered court in Purok 4	High	Ground spreading near the barangay covered court at Purok 4 was mapped.

8°47'25.26" N 125°49'45.88" E		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. Mt. Carmel on geohazard situation. Diversion of surface water runoff to prevent ground saturation.
BAY-MTC-14 School in Purok 4 8°47'30.05" N 125°49'39.68" E	High	Mt. Carmel National High School situated near a low but steeply sloping hill.  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. Mt. Carmel on geohazard situation.
BAY-MTC-01 Residential area in Sitio Haran 8°47'14.86" N 125°50'38.94" E	High	Residential area is situated within a low but steeply sloping ridge.  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. Mt. Carmel on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MTC-03 Residential area in Sitio Wilderness 8°48'35.82" N 125°50'20.15" E	High	The place is situated along a steeply sloping ground prone to ground failure.  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. Mt. Carmel on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MTC-19 Residential area in Purok 1 8°46'34.79" N 125°49'44.11" E	High	
BAY-MTC-21 Residential area in Purok 1A 8°46'29.5" N 125°49'29.68" E	High	
BAY-MTC-07 Residential area in Sitio Wilderness 8°48'27.25" N 125°50'17.95" E	High	
BAY-MTC-09 School in Sitio Wilderness  8°48'25.7" N 125°50'16.22" E	High	
BAY-MTC-10 Residential area in Sitio Wilderness 8°48'26.35" N 125°50'9.28" E	High	

BAY-MTC-11 Residential area in Purok 6 8°48'18.07" N 125°49'53.58" E	High	The place is situated along a steeply sloping ground prone to ground failure.
BAY-MTC-12 Residential area in Purok 5 8°47'41.64" N 125°49'40.37" 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. Mt. Carmel on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
BAY-MTC-16 Residential area in Purok 3A 8°47'10.28" N 125°49'29.57" E	High	
BAY-MTC-15 Residential area in Purok 4 8°47'17.23" N 125°49'40.19" E	Moderate	Residential area situated near a moderately 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. Constant communication and updates with Brgy. Mt. Carmel on geohazard situation.
BAY-MTC-02 Mt. Carmel Barangay Hall 8°47'23.42" N 125°49'37.52" E	Low	Barangay Hall is situated on a near flat gently rolling 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. Constant communication and updates with Brgy. Mt. Carmel on geohazard situation.
BAY-MTC-05 Residential area in Purok 8 8°48'41.47" N 125°50'24.61" E	Low	Residential area is situated on a low sloping undulating ground and located near the base of a moderately 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. Constant communication and updates with Brgy. Mt. Carmel on geohazard situation.
BAY-MTC-04 Residential area in Purok 11 8°48'44.53" N 125°50'39.48" E	Low	Residential area is situated on a low sloping undulating 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. Constant communication and updates with Brgy. Mt. Carmel on geohazard situation.
BAY-MTC-08 Residential area in Purok 9 8°48'13.43" N 125°50'23.32" E		
BAY-MTC-17 Residential area in Purok 3A 8°47'4.13" N 125°49'34.32" E	Low	Residential area situated on a low sloping undulating 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. Constant communication and updates with Brgy. Mt. Carmel on geohazard situation.
BAY-MTC-18 Residential area in Purok 2 8°46'57.83" N 125°49'40.51" E		
BAY-MTC-06 Residential area in Sitio Wilderness	Low	The place is situated along steeply sloping ground prone to ground failure.

8°48'39.13" N 125°50'19.21" E		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. Mt. Carmel on geohazard situation. Avoid building of houses near slope areas prone to ground failure.
<b>Barangay Mt. Olive</b>		
BAY-MTO-02 Residential area in Purok 9 8°46'6.1" N 125°49'46.4" E	Very High	Landslide >100m was observed in the area. Ground movement is still active.  Recommendations: 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 and report to MGB/municipal authorities (e.g., landslides, tension cracks). Building of houses near steep slopes is discouraged.
BAY-MTO-03 Residential area in Purok 9 8°46'13.8" N 125°49'40.2" E	Very High	
BAY-MTO-04 Residential area in Purok 9 8°46'12.7" N 125°49'36.7" E	Very High	
BAY-MTO-05 Residential area in Purok 9 8°46'8.4" N 125°49'24.3" E	Very High	
BAY-MTO-06 Residential area in Purok 9 8°46'3" N 125°49'26.5" E	High	
BAY-MTO-01 Residential area in Purok 3 8°44'50.7" N 125°49'44.8" E	Moderate	A relatively steep slope was observed with indications of mass movement.  Recommendations: Stabilize the base and slopes of hills where structures are located. Observe for and/or monitor for presence of mass movement and report to the Local Government.
BAY-MTO-09 Residential area in Purok 6 8°45'36.4" N 125°49'32.7" E	Moderate	
BAY-MTO-10 Residential area in Purok 5 8°45'23.2" N 125°49'24.7" E	Moderate	
BAY-MTO-11 Residential area in Purok 4 8°45'22.8" N 125°49'25.6" E	Moderate	
BAY-MTO-12 Residential area in Purok 4 8°44'50.9" N 125°49'43.6" E	Moderate	
BAY-MTO-07 Residential area in Purok	Moderate	

8 8°45'56.9" N 125°49'33.6" E		Recommendation: Stabilize the base and slopes of hills where structures are located.
BAY-MTO-08 Residential area in Purok 7 8°45'46.5" N 125°49'33.4" E	Moderate	
<b>Barangay New Salem</b>		
BAY-NWS-289 New Salem Barangay Hall 8°45'55.7" N 125°51'18.5" E	Moderate	The area is situated on moderate to steep slopes.  Recommendations: Develop an early warning system (e.g., signage). 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.
BAY-NWS-290 Purok 1 community area 8°45'54.9" N 125°51'20.4" E	Moderate	
BAY-NWS-291 Purok 3 along the road 8°45'51.1" N 125°51'27.7" E	Moderate	
BAY-NWS-292 Purok 3 community area 8°45'43.6" N 125°51'31.3" E	Moderate	
BAY-NWS-293 Purok 3 foot rail to Purok 8 8°45'43.2" N 125°51'31.5" E	Moderate	
BAY-NWS-294 Purok 3 Along the road 8°45'38.9" N 125°51'30.2" E	Moderate	
BAY-NWS-295 New Salem Elementary School 8°45'49.1" N 125°51'30.8" E	Moderate	
BAY-NWS-296 Purok 3 along the road 8°45'47.9" N 125°51'29.8" E	Moderate	
BAY-NWS-297 Purok 2 community area 8°45'59.4" N 125°51'31.3" E	Moderate	
BAY-NWS-298 Purok 2 community area 8°45'58.9" N 125°51'30.9" E	Moderate	
BAY-NWS-299 Purok 7 community area 8°45'55.2" N 125°51'18.1" E	Moderate	
BAY-NWS-300 Purok 4 community area 8°46'9.2" N 125°51'3.8" E	Moderate	

BAY-NWS-301 Purok 4 Along the road 8°46'7.8" N 125°51'7.7" E	Moderate	<p>The area is situated on moderate to steep slopes.</p> <p>Recommendations: Develop an early warning system (e.g., signage). 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>
BAY-NWS-302 Purok 7 along the road 8°46'4.8" N 125°51'11.9" E	Moderate	
BAY-NWS-303 Purok 7 along the road 8°45'58.7" N 125°51'15" E	Moderate	
BAY-NWS-304 Purok 7 along the road 8°45'57.2" N 125°51'16.8" E	Moderate	
BAY-NWS-305 Purok 1 along the road 8°45'52.3" N 125°51'25.1" E	Moderate	
BAY-NWS-306 Purok 1 community area 8°45'54.8" N 125°51'20.9" E	Moderate	
BAY-NWS-307 Purok 3 along the road 8°45'44.5" N 125°51'38.4" E	Moderate	
BAY-NWS-308 Purok 3 along the road 8°45'44.6" N 125°51'39.7" E	Moderate	
BAY-NWS-309 Purok 3 along the road 8°45'45" N 125°51'43.8" E	Moderate	
BAY-NWS-310 Purok 3 along the road 8°45'48.1" N 125°51'48.6" E	Moderate	
BAY-NWS-311 Purok 3 along the road 8°45'47.1" N 125°51'53.3" E	Moderate	
<b>Barangay Noli</b>		
BAY-NOL-01 Residential area in Purok 6 8°44'30.88" N 125°42'46.76" E	Low	No landslide component mapped.
BAY-NOL-02 Wawa river in Purok 6 8°44'29.11" N 125°42'46.58" E	Low	
BAY-NOL-03 Andanan river in Purok 7 8°43'56.1" N 125°43'40.3" E	Low	

BAY-NOL-04 Residential area in Purok 7 8°43'52.79" N 125°43'34.5" E	Low	No landslide component mapped.
BAY-NOL-05 Residential area in Purok 7 8°43'46.45" N 125°43'31.12" E	Low	
BAY-NOL-06 Residential area in Purok 8 8°44'0.67" N 125°43'41.34" E	Low	
BAY-NOL-07 Agricultural near Andanan river in Purok 11 8°43'56.86" N 125°43'48.58" E	Low	
BAY-NOL-08 Residential area in Purok 10 8°44'10.5" N 125°43'34.14" E	Low	
BAY-NOL-09 Residential area in Purok 9 8°44'10.46" N 125°43'47.75" E	Low	
BAY-NOL-10 Residential near intermittent creek in Purok 4 8°44'34.37" N 125°43'22.94" E	Low	
BAY-NOL-11 Residential area in Purok 4 8°44'37.68" N 125°43'23.34" E	Low	
BAY-NOL-12 Amohon creek in Purok 13 8°44'37.43" N 125°43'54.95" E	Low	
BAY-NOL-13 Residential area in Purok 13 8°44'38.9" N 125°44'0.13" E	Low	
BAY-NOL-14 Residential area in Purok 13 8°44'37.82" N 125°43'57.4" E	Low	
BAY-NOL-15 Barangay Hall/Residential area in Purok 3 8°44'46.03" N 125°43'19.34" E	Low	

BAY-NOL-16 Day Care 8°44'47.22" N 125°43'18.59" E	Low	No landslide component mapped.
BAY-NOL-17 Residential area in Purok 1B 8°44'48.23" N 125°43'14.81" E	Low	
BAY-NOL-18 Residential area in Purok 2A 8°44'49.31" N 125°43'14.95" E	Low	
BAY-NOL-19 Residential area in Purok 1A 8°44'56.54" N 125°43'10.63" E	Low	
BAY-NOL-20 Residential area in Purok 12 8°45'4.43" N 125°43'35.26" E	Low	
BAY-NOL-21 Residential area in Purok 12 8°45'4.07" N 125°43'22.55" E	Low	
BAY-NOL-22 Residential area in Purok 5 8°44'37.28" N 125°43'12.36" E	Low	
<b>Barangay Osmeña</b>		
BAY-OSM-73 Panaytay Bridge, Purok 4 8°41'52" N 125°49'26" E	High	Panaytay Bridge with steep bank approximately 30 meters.  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. Osmeña on geohazard situation.
BAY-OSM-69 Public Cemetery 8°41'33.1" N 125°49'43.3" E	High	Public Cemetery with active landslide. Approximate length of landslide is 100 meters traversing in WNW direction, probably associated with fault. Overturned tombstones were observed.  Recommendations: Address the issue to municipal engineering office for further studies. Observe for and/or monitor for further presence of mass movement and report to MGB/municipal authorities (e.g. landslide, tension cracks). Constant communication and updates with Brgy. Osmeña on geohazard situation.
BAY-OSM-74 Osmeña Sr. Elementary School 8°41'51.9" N 125°49'16.3" E	Moderate	Mass movement in Osmeña Sr. Elementary School was observed trending WNW. Direction of collapsed material is ENE.  Recommendations: Discourage future usage of affected building structures. Address the issue to municipal engineering office for further studies. Observe for and/or monitor for further presence of mass movement and report to MGB/municipal

		authorities (e.g. landslide, tension cracks). Constant communication and updates with Brgy. Osmeña on geohazard situation.
BAY-OSM-89 Boundary of Osmeña, Purok 1 8°42'21.1" N 125°48'32.4" E	Moderate	Area is relatively flat though mass movement was observed adjacent to observation point.  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. Osmeña on geohazard situation.
BAY-OSM-75 Osmeña Sr. Elementary School 8°41'50.2" N 125°49'16.4" E	Moderate	Back portion of Osmeña Sr. Elementary School with 2 abandoned building due to soil movement. Direction of collapsed material is ENE.  Recommendations: Discourage future usage of affected building structures. Address the issue to municipal engineering office for further studies. Observe for and/or monitor for further presence of mass movement and report to MGB/municipal authorities (e.g. landslide, tension cracks). Constant communication and updates with Brgy. Osmeña on geohazard situation.
BAY-OSM-85 Church 8°42'6.8" N 125°49'5.9" E	Moderate	Church sitting on top of a slope. Soil creep was observed at the back of the church.  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. Osmeña on geohazard situation.
BAY-OSM-80 Farm to market road, Purok 7 8°42'23.6" N 125°49'25.9" E	Moderate	Farm to market road with moderately steep slopes 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. Osmeña on geohazard situation.
BAY-OSM-82 Farm to market road, Purok 7 8°42'17.9" N 125°49'23.5" E	Moderate	
BAY-OSM-83 Farm to market road, Purok 7 8°42'11.7" N 125°49'19.4" E	Moderate	
BAY-OSM-84 Farm to market road, Purok 7 8°42'10.5" N 125°49'8.6" E	Moderate	
BAY-OSM-78 Open fields, Purok 3 8°41'20.1" N 125°48'52.8" E	Moderate	Open fields situated in Purok 3 with moderately steep slopes with minor landslides.  Recommendations: Observe for and/or monitor for presence of further mass movement and report to MGB/municipal authorities (e.g. landslide, tension cracks). Constant communication and updates with Brgy. Osmeña on geohazard situation.
BAY-OSM-79 Purok 7 proper 8°42'30.2" N 125°49'27.5" E	Moderate	Purok 7 proper. Area is located on a moderately steep 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. Osmeña on geohazard situation.
BAY-OSM-70 Relocation Area, Purok 5 8°41'43.8" N 125°49'40.1" E	Moderate	Relocation area adjacent to cemetery. Active soil creep was observed. Direction of movement is ESE.  Recommendations: Discourage building of infrastructures within this area. 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. Osmeña on geohazard situation.
BAY-OSM-71 Trail to interior area of Purok 6 8°41'48" N 125°49'43.7" E	Moderate	Trail to interior area of Purok 6. Moderately steep terrain with gully formation observed.  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. Osmeña on geohazard situation.
BAY-OSM-72 Trail to interior area of Purok 6 8°41'56.6" N 125°49'55.3" E	Moderate	Trail to interior area of Purok 6. Moderately steep terrain. Active soil creep was observed.  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. Osmeña on geohazard situation.
BAY-OSM-77 Trail to Purok 3 8°41'40.3" N 125°49'2.1" E	Moderate	Trail to Purok 3 situated on top of a ridge.  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. Osmeña on geohazard situation.
BAY-OSM-86 Purok 1 proper 8°42'3.3" N 125°48'58.2" E	Low	Area is relatively flat though mass movement was observed adjacent to observation point.  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. Osmeña on geohazard situation.
BAY-OSM-87 Open fields, Purok 1 8°42'2.8" N 125°48'48" E	Low	
BAY-OSM-88 Labao Creek, Purok 1 8°42'2.9" N 125°48'44.7" E	Low	
BAY-OSM-90 Labao Bridge, Purok 1 8°42'4" N 125°48'55" E	Low	
BAY-OSM-68 Barangay Hall of Barangay Osmeña 8°41'59.4" N 125°49'2.8" E	Low	No landslide component mapped.
BAY-OSM-76 Purok 3 proper 8°41'51.4" N 125°49'8.1" E		
<b>Barangay Panaytay</b>		
BAY-PTY-10 Purok 3 Community 8°40'7.6" N	High	Area is situated on moderate to steep slopes.  Recommendations: Develop an early warning system (e.g.,

125°49'4.7" E		signage). 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.
BAY-PTY-33 Panaytay Elementary School 8°40'6" N 125°49'3.5" E	High	Identified previous mass wasting and remnants of possible tension crack in the area.  Recommendations: Develop an early warning system (e.g., signage). Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) regeneration, saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities.
BAY-PTY-34 Panaytay Elementary School 8°40'4.5" N 125°49'2.3" E	High	
BAY-PTY-35 Panaytay Elementary School 8°40'4.8" N 125°49'1.6" E	High	
BAY-PTY-29 Along the Road Purok 1 8°40'21.4" N 125°49'6.5" E	High	Identified previous mass wasting in the area.  Recommendations: Develop an early warning system (e.g., signage). 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.
BAY-PTY-30 Along the Road Purok 1 8°40'30" N 125°49'5.5" E	High	
BAY-PTY-31 Along the Road Purok 1 8°40'36.5" N 125°49'8.2" E	High	
BAY-PTY-24 Purok 3 Community 8°40'8.3" N 125°49'6.5" E	High	Identified soil creep and previous mass wasting in the area.  Recommendations: Develop an early warning system (e.g., signage). 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.
BAY-PTY-25 Purok 2 Community 8°40'8" N 125°49'6.2" E	High	
BAY-PTY-26 Purok 2 Community 8°40'13.1" N 125°49'5.6" E	High	
BAY-PTY-27 Purok 2 Community 8°40'13.3" N 125°49'6.5" E	High	
BAY-PTY-28 Along the Road Purok 2 8°40'13.1" N 125°49'6.8" E	High	
BAY-PTY-11 Purok 6 Community 8°39'13.6" N 125°49'0.1" E	Moderate	Area is situated on moderate to steep slopes.
BAY-PTY-12 Along the Road Purok 6 8°39'5.4" N 125°48'45.6" E	Moderate	Recommendation: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.

BAY-PTY-13 Along the Road Purok 6 8°39'4.4" N 125°48'49.5" E	Moderate	<p>Area is situated on moderate to steep slopes.</p> <p>Recommendation: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.</p>
BAY-PTY-14 Along the Road Purok 6 8°39'10.4" N 125°48'54.5" E	Moderate	
BAY-PTY-15 Along the Road Purok 6 8°39'17" N 125°49'2" E	Moderate	
BAY-PTY-16 Along the Road Purok 5 8°39'20.6" N 125°49'5.3" E	Moderate	
BAY-PTY-17 Along the Road Purok 5 8°39'26" N 125°49'5.2" E	Moderate	
BAY-PTY-18 Purok 5 Community 8°39'35.2" N 125°49'2" E	Moderate	
BAY-PTY-19 Along the Road Purok 5 8°39'40.3" N 125°49'5" E	Moderate	
BAY-PTY-20 Along the Road Purok 5 8°39'46.1" N 125°49'7" E	Moderate	
BAY-PTY-21 Along the Road Purok 4 8°39'55.6" N 125°49'6.8" E	Moderate	
BAY-PTY-22 Purok 4 community 8°39'59.1" N 125°49'3.3" E	Moderate	
BAY-PTY-23 Along the Road Purok 4 8°40'3.1" N 125°49'2.8" E	Moderate	
BAY-PTY-32 Purok 1 community 8°40'44.2" N 125°49'13.2" E	Moderate	
<b>Barangay Pinagalaan</b>		
BAY-PNG-37 Purok 5 Community 8°44'39.4" N 125°48'9.6" E	High	<p>Area is situated on steep ridges.</p> <p>Recommendations: Constant communication and updates within the barangay and with nearby barangays about geohazard situations. Develop an early warning system (e.g., signage). 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>
BAY-PNG-38 Purok 5 Community 8°44'40.3" N 125°48'9.5" E	High	

BAY-PNG-39 Purok 9 Community 8°46'28.9" N 125°48'36.1" E	High	<p>Area is situated on steep ridges.</p> <p>Recommendations: Constant communication and updates within the barangay and with nearby barangays about geohazard situations. Develop an early warning system (e.g., signage). 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>
BAY-PNG-40 Purok 9 Community 8°46'29" N 125°48'37.9" E	High	
BAY-PNG-41 Purok 9 Community 8°46'27.8" N 125°48'35.2" E	High	
BAY-PNG-42 Purok 9 Community 8°46'25.1" N 125°48'32.3" E	High	
BAY-PNG-43 Purok 8 Community 8°46'20.1" N 125°48'31.2" E	High	
BAY-PNG-44 Purok 8 Community 8°46'17.5" N 125°48'32" E	High	
BAY-PNG-45 Purok 8 Community 8°46'17.5" N 125°48'31.9" E	High	
BAY-PNG-46 Purok 8 Community 8°46'16.4" N 125°48'31.3" E	High	
BAY-PNG-47 Purok 8 Community 8°46'15.9" N 125°48'31.7" E	High	
BAY-PNG-48 Purok 8 Community 8°46'12.8" N 125°48'32" E	High	
BAY-PNG-49 Purok 8 Community 8°46'8.9" N 125°48'31.1" E	High	
BAY-PNG-50 Along the Road Purok 8 8°46'2.8" N 125°48'24.6" E	High	
BAY-PNG-51 Purok 7 Community 8°45'49" N 125°48'21.7" E	High	
BAY-PNG-52 Purok 7 Community 8°45'46" N 125°48'20.5" E	High	

BAY-PNG-53 Along the Road Purok 7 8°45'38.2" N 125°48'17.6" E	High	<p>Area is situated on steep ridges.</p> <p>Recommendations: Constant communication and updates within the barangay and with nearby barangays about geohazard situations. Develop an early warning system (e.g., signage). 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>
BAY-PNG-54 Along the Road Purok 7 8°45'31.9" N 125°48'13.9" E	High	
BAY-PNG-55 Purok 6 Community 8°45'21.8" N 125°48'19.6" E	High	
BAY-PNG-56 Purok 6 Community 8°45'21.8" N 125°48'19.7" E	High	
BAY-PNG-57 Purok 6 Community 8°45'19.5" N 125°48'19.9" E	High	
BAY-PNG-58 Purok 6 Community 8°45'19.5" N 125°48'19.8" E	High	
BAY-PNG-59 Purok 6 Community 8°45'19.4" N 125°48'19.8" E	High	
BAY-PNG-60 Along the road Purok 6 8°45'6.1" N 125°48'19.5" E	High	
BAY-PNG-61 Purok 5 Community 8°44'58.2" N 125°48'16" E	High	
BAY-PNG-62 Purok 5 Community 8°44'51.9" N 125°48'13.4" E	High	
BAY-PNG-63 Purok 5 Community 8°44'40.8" N 125°48'13.2" E	High	
BAY-PNG-64 Purok 5 Community 8°44'40.7" N 125°48'13.5" E	High	
BAY-PNG-65 Purok 5 Community 8°44'39.5" N 125°48'9.1" E	High	
BAY-PNG-66 Purok 1 Community 8°44'59.8" N 125°47'39.7" E	High	

BAY-PNG-67 Purok 1 Community 8°44'56" N 125°47'36.4" E	High	<p>Area is situated on steep ridges.</p> <p>Recommendations: Constant communication and updates within the barangay and with nearby barangays about geohazard situations. Develop an early warning system (e.g., signage). 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>
BAY-PNG-68 Purok 2 Community 8°44'55.9" N 125°47'19" E	High	
BAY-PNG-69 Purok 2 Community 8°44'59.6" N 125°47'18.8" E	High	
BAY-PNG-70 Along the Road Purok 1 8°44'58.7" N 125°47'41.1" E	High	
BAY-PNG-71 Along the Road Purok 1 8°44'50.7" N 125°47'56.4" E	High	
BAY-PNG-72 Along the Road Purok 1 8°44'45.1" N 125°48'2.6" E	High	
BAY-PNG-73 Along the Road Purok 5 8°44'33.9" N 125°48'6.8" E	High	
BAY-PNG-74 Purok 4 Community 8°44'33.6" N 125°48'7" E	High	
BAY-PNG-75 Along the Road Purok 4 8°44'21.4" N 125°47'46.2" E	High	
BAY-PNG-76 Along the Road Purok 3A 8°44'12.7" N 125°47'37.3" E	High	
BAY-PNG-77 Purok 3A Community 8°43'57.6" N 125°47'31.3" E	High	
BAY-PNG-78 Purok 3A Community 8°43'52.8" N 125°47'27.9" E	High	
BAY-PNG-79 Purok 3B Community 8°43'37.8" N 125°47'9.6" E	High	
BAY-PNG-80 Purok 3B Community 8°43'37.3" N 125°47'9.5" E	High	
BAY-PNG-81 Along the Road Purok 3B 8°43'19.2" N	High	

125°47'13.3" E		
<b>Barangay Poblacion</b>		
BAY-POB-218 Purok proper of Purok 19 8°42'36.5" N 125°44'27.8" E	Low	Area is flat. No landslide component mapped.
BAY-POB-219 Purok proper of Purok 21 8°42'49.9" N 125°44'40" E	Low	
BAY-POB-220 Purok proper of Purok 23 8°42'55" N 125°44'24" E	Low	
BAY-POB-221 Purok proper of Purok 22 8°42'59" N 125°44'42.9" E	Low	
BAY-POB-222 Purok proper of Purok 4A 8°43'9.2" N 125°44'48.2" E	Low	
BAY-POB-223 Purok proper of Purok 5 8°43'14" N 125°44'50.7" E	Low	
BAY-POB-224 Purok proper of Purok 6 8°43'14.8" N 125°44'56.7" E	Low	
BAY-POB-225 Purok proper of Purok 7 8°43'18.3" N 125°45'6.4" E	Low	
BAY-POB-226 Purok proper of Purok 7A 8°43'23.9" N 125°45'24.3" E	Low	
BAY-POB-228 Purok proper of Purok 9B 8°43'14.7" N 125°45'23.1" E	Low	
BAY-POB-230 Purok proper of Purok 9A 8°43'7.5" N 125°45'16.2" E	Low	
BAY-POB-231 Purok proper of Purok 10 8°42'55.2" N 125°45'8.4" E	Low	
BAY-POB-233 Purok proper of Purok 9 8°43'9.7" N 125°45'7.2" E	Low	
BAY-POB-236 Purok proper of Purok 3 8°43'6.1" N 125°44'56.3" E	Low	

BAY-POB-237 Purok proper of Purok 1 8°43'3" N 125°44'56.7" E	Low	Area is flat. No landslide component mapped.
BAY-POB-238 Purok proper of Purok 15 8°42'54.6" N 125°44'56.7" E	Low	
BAY-POB-239 Purok proper of Purok 13 8°42'51" N 125°44'56.3" E	Low	
BAY-POB-240 Purok proper of Purok 8 8°42'45.7" N 125°44'55.7" E	Low	
BAY-POB-242 Purok proper of Purok 14 8°42'43.5" N 125°44'55.4" E	Low	
BAY-POB-245 Barangay Hall of Poblacion 8°42'47.1" N 125°44'43.6" E	Low	
BAY-POB-246 Purok proper of Purok 18 8°42'46.3" N 125°44'41" E	Low	
BAY-POB-247 Purok proper of Purok 20 8°42'54.5" N 125°44'39.9" E	Low	
BAY-POB-248 Purok proper of Purok 11 8°42'53.4" N 125°45'2.8" E	Low	
BAY-POB-249 Purok proper of Purok 16 8°42'50.1" N 125°45'2.3" E	Low	
BAY-POB-251 Purok proper of Purok 12A 8°42'46.1" N 125°44'58.2" E	Low	
BAY-POB-252 Purok proper of Purok 12 8°42'39.1" N 125°45'1.6" E	Low	
BAY-POB-254 Purok proper of Purok 4 8°43'5.5" N 125°44'49.3" E	Low	
BAY-POB-255 Purok proper of Purok 24 8°43'8.3" N 125°44'26.5" E	Low	
BAY-POB-227 Purok proper of Purok 7A	Low	Relic landslide located on top of a slope. Landslide took place in 2009. Adjacent houses were affected by the debris brought

8°43'25.5" N 125°45'30.6" E		by the slide.  Recommendations: Construct engineering structures to mitigate slopes. Observe for and/or monitor for presence of mass movement regeneration and report to MGB/municipal authorities (e.g. landslide, tension cracks). Constant communication and updated with Brgy. Poblacion on geohazard situation.
<b>Barangay Sagmone</b>		
BAY-SMN-05 Agricultural area in Purok 8 8°43'58.9" N 125°41'59.6" E	Low	No landslide component mapped.
BAY-SMN-06 Agricultural area in Purok 8 8°43'44" N 125°42'6.1" E	Low	
BAY-SMN-13 Agricultural area in Purok 1 8°44'20.5" N 125°42'5.7" E	Low	
BAY-SMN-14 Agricultural area in Purok 1 8°44'24.5" N 125°42'5.1" E	Low	
BAY-SMN-01 Residential area in Purok 6 8°44'17.9" N 125°41'56.1" E	Low	The area has flat to gently rolling topography. Low landslide susceptibility.
BAY-SMN-02 Residential area in Purok 6 8°44'20" N 125°42'0.2" E		
BAY-SMN-03 Residential area in Purok 7 8°44'18" N 125°41'56.5" E	Low	The area is relatively flat. No landslide/mass movement component mapped.
BAY-SMN-04 Along the road, agricultural area in Purok 2 8°44'13.7" N 125°41'57.5" E	Low	
BAY-SMN-07 Agricultural area in Purok 3 8°44'22.5" N 125°42'36.8" E	Low	
BAY-SMN-08 Agricultural area in Purok 3 8°44'20.2" N 125°42'35.4" E	Low	

BAY-SMN-09 Agricultural area in Purok 3 8°44'21.3" N 125°42'32.7" E	Low	The area is relatively flat. No landslide/mass movement component mapped.
BAY-SMN-10 Agricultural area in Purok 3 8°44'20.4" N 125°42'27.4" E	Low	
BAY-SMN-11 Agricultural area in Purok 3 8°44'23.6" N 125°42'18.1" E	Low	
BAY-SMN-12 Agricultural area in Purok 3 8°44'20.1" N 125°42'13.5" E	Low	
BAY-SMN-15 Residential/ Agricultural area in Purok 2 8°44'32.6" N 125°42'5.9" E	Low	
BAY-SMN-16 Residential area in Purok 2 8°44'34.7" N 125°42'5.5" E	Low	
BAY-SMN-17 Residential/ Agricultural area in Purok 2 8°44'34.9" N 125°42'7.4" E	Low	
BAY-SMN-18 Residential area in Purok 6 8°44'17.5" N 125°41'54.5" E	Low	
BAY-SMN-19 Residential area in Purok 6 8°44'17" N 125°41'53.3" E	Low	
BAY-SMN-20 Residential area in Purok 6 8°44'16.9" N 125°41'51.7" E	Low	
BAY-SMN-21 Residential area in Purok 6 8°44'18.1" N 125°41'49" E	Low	
BAY-SMN-22 Agricultural area in Purok 6 8°44'16.2" N 125°41'46.3" E	Low	

BAY-SMN-23 Residential/ Agricultural area in Purok 5 8°44'10.4" N 125°42'1.6" E	Low	The area is relatively flat. No landslide/mass movement component mapped.
BAY-SMN-24 Agricultural area in Purok 4 8°44'11.5" N 125°41'59.6" E	Low	
BAY-SMN-25 Agricultural area in Purok 6 8°44'10.9" N 125°41'57.9" E	Low	
<b>Barangay Saguma</b>		
BAY-SGM-504 Saguma Brgy. Hall, residential area 8°41'16.51" N 125°44'40.34" E	Low	Low landslide susceptibility.
BAY-SGM-505 Saguma Elementary School, residential area 8°41'19.32" N 125°44'40.06" E	Low	
BAY-SGM-506 Residential area, barangay road in Purok Sentro 8°41'22.99" N 125°44'38.11" E	Low	
BAY-SGM-507 Residential area, barangay road in Purok Sentro 8°41'31.31" N 125°44'36.74" E	Low	
BAY-SGM-508 Agricultural area, barangay road in Purok Sentro 8°41'36.56" N 125°44'35.38" E	Low	
BAY-SGM-509 Agricultural area, barangay road in Purok Sentro 8°41'46.46" N 125°44'29.76" E	Low	
BAY-SGM-510 Agricultural area, barangay road in Purok Sentro 8°41'54.13" N 125°44'25.01" E	Low	
BAY-SGM-511 Agricultural area, Irrigation area in Purok 2 8°42'4.64" N 125°44'22.74" E	Low	

BAY-SGM-512 Agricultural area, Irrigation area in Purok 7 8°42'17.42" N 125°44'21.91" E	Low	The area is relatively flat. No landslide/mass movement component mapped.
BAY-SGM-513 Agricultural area, Irrigation area in Purok 7 8°42'28.44" N 125°44'34.51" E	Low	
BAY-SGM-514 Agricultural area, Irrigation area in Purok 7 8°42'22.5" N 125°44'42.11" E	Low	
BAY-SGM-515 Agricultural area, Irrigation area in Purok 7 8°42'6.44" N 125°44'58.49" E	Low	
BAY-SGM-516 Agricultural area, Irrigation area in Purok 7 8°42'0.47" N 125°45'4.46" E	Low	
BAY-SGM-517 Agricultural area, Irrigation area in Purok 5 8°41'53.84" N 125°45'11.16" E	Low	
BAY-SGM-518 Agricultural area, Irrigation area in Purok 5 8°41'50.93" N 125°45'14.04" E	Low	
BAY-SGM-520 Agricultural area, barangay road in Purok 5 8°41'22.99" N 125°45'23.11" E	Low	
BAY-SGM-521 Agricultural area, barangay road in Purok 8 8°41'13.92" N 125°45'19.19" E	Low	
BAY-SGM-522 Agricultural area, barangay road in Purok 8 8°41'1.14" N 125°45'14.15" E	Low	
BAY-SGM-523 Agricultural area, barangay road in Purok 8 8°40'47.46" N 125°45'8.5" E	Low	
BAY-SGM-524 Residential area, barangay road in Purok 3 8°40'34.1" N 125°44'54.13" E	Low	

BAY-SGM-525 Residential area, barangay road in Purok 3 8°40'50.16" N 125°44'51" E	Low	The area is relatively flat. No landslide/mass movement component mapped.
BAY-SGM-526 Santi Creek in Purok 3 8°41'1.72" N 125°44'43.48" E	Low	
BAY-SGM-527 Agricultural area, barangay road in Purok Sentro 8°41'11.51" N 125°44'31.74" E	Low	
BAY-SGM-528 Agricultural area, barangay road in Purok 4 8°41'2.29" N 125°44'24.54" E	Low	
BAY-SGM-529 Residential area, barangay road, creek in Purok 4 8°40'58.12" N 125°44'7.51" E	Low	
BAY-SGM-530 Agricultural area, barangay road, creek in Purok 4 8°40'54.98" N 125°43'57.94" E	Low	
BAY-SGM-531 Agricultural area, barangay road, creek in Purok 4 8°40'50.38" N 125°43'42.89" E	Low	
BAY-SGM-532 Agricultural area, barangay road in Purok 6 8°40'38.03" N 125°43'33.49" E	Low	
BAY-SGM-533 Agricultural area, barangay road in Purok Sentro 8°41'24.22" N 125°44'12.66" E	Low	
<b>Barangay Salvacion</b>		
BAY-SAL-01 Residential area in Purok 1 8°41'26.23" N 125°42'59.94" E	Low	No landslide component mapped.
BAY-SAL-02 Creek in Purok 2 8°41'18.13" N 125°42'54.65" E	Low	

BAY-SAL-03 Residential area in Purok 3 8°41'13.49" N 125°42'43.52" E	Low	No landslide component mapped.
BAY-SAL-04 Residential area in Purok 4 8°41'12.98" N 125°42'49.64" E	Low	
BAY-SAL-05 Creek in Purok 5 8°41'3.7" N 125°42'49.79" E	Low	
BAY-SAL-06 Covered court in Purok 7 8°41'12.26" N 125°42'36.18" E	Low	
BAY-SAL-07 Residential area in Purok 7 8°41'14.5" N 125°42'31.18" E	Low	
BAY-SAL-08 Residential area in Purok 7A 8°41'17.16" N 125°42'33.91" E	Low	
BAY-SAL-09 Residential area in Purok 8 8°41'9.74" N 125°42'33.08" E	Low	
BAY-SAL-10 Residential area in Purok 9 8°41'3.73" N 125°42'33.44" E	Low	
BAY-SAL-11 Residential area in Purok 10 8°41'3.62" N 125°42'35.96" E	Low	
BAY-SAL-12 Residential area in Purok 11 8°41'1.72" N 125°42'37.3" E	Low	
BAY-SAL-13 Residential area in Purok 12 8°41'1.25" N 125°42'24.16" E	Low	
BAY-SAL-14 Wawa river in Purok 13 8°41'44.56" N 125°42'25.38" E	Low	

BAY-SAL-15 Residential area in Purok 13 8°41'43.37" N 125°42'40.72" E	Low	No landslide component mapped.
BAY-SAL-16 Agricultural area in Purok 13 8°41'45.49" N 125°42'34.38" E	Low	
BAY-SAL-17 Agricultural area in Purok 14 8°41'39.3" N 125°42'22.9" E	Low	
BAY-SAL-18 Residential area in Purok 14 8°41'32.6" N 125°42'15.41" E	Low	
BAY-SAL-19 Agricultural area in Purok 14 8°41'24.07" N 125°42'6.8" E	Low	
BAY-SAL-20 Residential area in Purok 14 8°41'21.88" N 125°42'22.57" E	Low	
BAY-SAL-21 Agricultural area in Purok 15 8°41'27.13" N 125°41'52.58" E	Low	
BAY-SAL-22 Residential area in Purok 16 8°39'54.76" N 125°43'2.57" E	Low	
BAY-SAL-23 Creek in Purok 16 8°39'54.86" N 125°43'9.16" E	Low	
BAY-SAL-24 Residential area in Purok 17 8°40'17.83" N 125°42'49.1" E	Low	
BAY-SAL-25 Residential area in Purok 18 8°40'40.69" N 125°41'57.3" E	Low	
BAY-SAL-26 Residential area in Purok 19 8°40'38.39" N 125°42'8.06" E	Low	

**Barangay San Agustin**

BAY-SNA-134 Purok 1 Riverside Community 8°45'21.8" N 125°40'44.6" E	High	Active riverbank erosion at Sagmone Creek.  Recommendation: Stabilize riverbanks especially at the outer bend of the meander.
BAY-SNA-135 Purok 2 Riverside Community 8°45'22.2" N 125°40'42.9" E	High	
BAY-SNA-136 Purok 2 Riverside Community 8°45'23.9" N 125°40'40.1" E	High	
BAY-SNA-137 Purok 2 Riverside Community 8°45'23.1" N 125°40'41.3" E	High	
BAY-SNA-138 Purok 2 Riverside Community 8°45'22.4" N 125°40'45.3" E	High	
BAY-SNA-141 Purok 5 Community 8°45'29.5" N 125°40'50.2" E	High	There were identified relic landslide in the area.  Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) regeneration, saturated ground or seeps and sunken or displaced road surfaces and report to MGB/municipal authorities. Develop an early warning system (e.g., signage). Stabilize the base and slope edges where road cuts, government buildings, settlement and government facilities are located.
BAY-SNA-142 Purok 5 Community 8°45'30.5" N 125°40'51.1" E	High	
BAY-SNA-143 Purok 5 Community 8°45'31.2" N 125°40'52.2" E	High	
BAY-SNA-144 Purok 5 Community 8°45'31.9" N 125°40'53.6" E	High	
BAY-SNA-145 Purok 5 Community 8°45'33.5" N 125°40'54.7" E	High	
BAY-SNA-146 Purok 5 Community 8°45'34.3" N 125°40'56.6" E	High	
BAY-SNA-147 Purok 3 Community 8°45'23.2" N 125°40'45.9" E	High	
BAY-SNA-149 Purok 4 Community 8°45'18.3" N 125°40'40.7" E	High	
BAY-SNA-151	High	

San Agustin Elementary School 8°45'14.9" N 125°40'38.4" E		
BAY-SNA-139 Purok 1 Community 8°45'24.7" N 125°40'47" E	Moderate	The area is situated near a moderate to steep slope.  Recommendations: Develop an early warning system (e.g., signage). Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.
BAY-SNA-140 Purok 3 Community 8°45'27.1" N 125°40'48.5" E	Moderate	
BAY-SNA-133 San Agustin Barangay Hall 8°45'20.8" N 125°40'42.4" E	Moderate	
BAY-SNA-148 Purok 4 Community 8°45'19.4" N 125°40'41.1" E	Moderate	
BAY-SNA-150 Purok 4 Community 8°45'16.3" N 125°40'39.7" E	Moderate	
BAY-SNA-152 Purok 4 Community 8°45'13.5" N 125°40'38.6" E	Moderate	
BAY-SNA-153 Purok 4 Community 8°45'10.4" N 125°40'37.5" E	Moderate	
<b>Barangay San Isidro</b>		
BAY-SDR-01 Residential near Labaw creek in Purok 5 8°40'57.25" N 125°46'25.86" E	Low	No landslide component mapped.
BAY-SDR-02 San Isidro Barangay Hall 8°40'48.29" N 125°46'33.28" E	Low	
BAY-SDR-03 Residential area in Purok 2 8°40'44.83" N 125°46'34.82" E	Low	
BAY-SDR-04 San Isidro Elementary School 8°40'42.82" N 125°46'39.14" E	Low	
BAY-SDR-05 Residential area in Purok 3 8°40'38.93" N 125°46'45.73" E	Low	

BAY-SDR-06 Residential area in Purok 4 8°40'26.22" N 125°47'0.71" E	Low	No landslide component mapped.
BAY-SDR-07 Residential area in Purok 6 8°40'32.77" N 125°45'44.57" E	Low	
BAY-SDR-08 Labaw creek in Purok 5 8°40'58.3" N 125°46'24.92" E	Low	
BAY-SDR-09 Agricultural area in Purok 5 8°40'49.44" N 125°46'17.72" E	Low	
BAY-SDR-10 Agricultural area in Purok 1 8°40'40.62" N 125°46'11.71" E	Low	
BAY-SDR-11 Agricultural area in Purok 2 8°40'39.18" N 125°46'25.97" E	Low	
BAY-SDR-12 Agricultural area in Purok 6 8°40'28.92" N 125°45'50.94" E	Low	
BAY-SDR-13 Agricultural area in Purok 6 8°40'21.79" N 125°45'51.19" E	Low	
BAY-SDR-14 Agricultural area in Purok 6 8°40'25.43" N 125°46'8.36" E	Low	
BAY-SDR-15 Agricultural area in Purok 3 8°40'33.71" N 125°46'37.02" E	Low	
BAY-SDR-16 Agricultural area in Purok 3 8°40'25.46" N 125°46'25.64" E	Low	
BAY-SDR-17 Agricultural area in Purok 6 8°40'18.77" N 125°46'13.04" E	Low	

BAY-SDR-18 Agricultural area in Purok 4 8°40'28.6" N 125°46'48.04" E	Low	No landslide component mapped.
BAY-SDR-19 Agricultural area in Purok 4 8°40'15.35" N 125°46'29.06" E	Low	
BAY-SDR-20 Agricultural area in Purok 4 8°40'18.8" N 125°46'44.47" E	Low	
<b>Barangay San Juan</b>		
BAY-SNJ-475 Provincial road in Purok 12 8°52'31.26" N 125°50'16.62" E	Very High	The area is characterized by highly rolling topography with locally very steep slopes.  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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.
BAY-SNJ-490 Provincial road, residential area in Purok 1A 8°51'23.9" N 125°50'34.26" E	Very High	The area is characterized by highly rolling topography with locally very steep slopes. Tilted vegetation and relict ground movement.  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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes and areas with historical landslide occurrence.
BAY-SNJ-485 Provincial road, residential area in Purok 1 8°51'5.9" N 125°50'17.12" E	Very High	The area is characterized by highly rolling topography with very steep slopes. Portion is currently utilized as residential area. Road gravelling is active with earth moving materials along road side.  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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.
BAY-SNJ-467 Provincial road in Purok 1 8°51'5.04" N 125°50'7.12" E	High	The area is characterized by highly rolling topography with locally steep slopes underlain by tilted/folded interbedded mudstone, siltstone and sandstone.  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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.
BAY-SNJ-471 Residential area, provincial road in Purok 12 8°52'1.13" N 125°50'41.14" E	High	The area is characterized by highly rolling topography with locally steep slopes. Benching to reduce road cut slope has been established.
BAY-SNJ-472		Recommendations: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks), saturated

Residential area, provincial road in Purok 12 8°52'10.7" N 125°50'43.19" E		ground or seeps and sunken or displaced road surfaces and immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.
BAY-SNJ-473 Provincial road in Purok 12 8°52'11.06" N 125°50'44.77" E	High	<p>The area is characterized by highly rolling topography with locally steep slopes.</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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.</p>
BAY-SNJ-470 Residential area, provincial road in Purok 1A 8°51'23.98" N 125°50'41.14" E	High	
BAY-SNJ-474 Provincial road in Purok 12 8°52'17.47" N 125°50'38.9" E	High	
BAY-SNJ-476 Brgy. Road in Purok 12 8°52'9.7" N 125°50'24.54" E	High	
BAY-SNJ-477 Brgy. Road in Purok 12 8°52'13.73" N 125°50'11.15" E	High	
BAY-SNJ-478 Brgy. Road in Purok 12 8°52'17.4" N 125°49'59.66" E	High	
BAY-SNJ-480 Provincial road, road cut in Purok 12 8°51'51.66" N 125°50'46.39" E	High	
BAY-SNJ-481 Provincial road, road cut in Purok 1 8°51'29.84" N 125°50'43.3" E	High	
BAY-SNJ-487 Provincial road, road cut in Purok 2 8°51'8.21" N 125°49'43.93" E	High	The area is characterized by highly rolling topography with locally very steep road cut.
BAY-SNJ-488 Provincial road, road cut, residential area in Purok 2 8°51'8.46" N 125°49'40.8" E	High	<p>Recommendations: Reduce road cut slopes to increase stability. 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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.</p>
BAY-SNJ-489 Provincial road, road cut in Purok 2 8°51'8.6" N 125°49'22.62" E	High	
BAY-SNJ-486	High	The area is characterized by highly rolling topography with

Provincial road in Purok 1 8°51'9.43" N 125°49'56.53" E		locally very steep slopes.  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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.
BAY-SNJ-482 Residential area, Manpalakpak Creek in Purok 1 8°51'30.1" N 125°50'41.93" E	Moderate	The area is characterized by moderately rolling topography with locally steep slopes. It is currently utilized for residential and agriculture (Falcata and banana plantation, etc.).  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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.
BAY-SNJ-483 Provincial road in Purok 1 8°51'13.97" N 125°50'27.13" E	Moderate	The area is characterized by moderately rolling topography with locally steep slopes. Portion is currently utilized as residential area. Road gravelling is active with earth moving materials along road side.
BAY-SNJ-484 Provincial road in Purok 1 8°51'6.84" N 125°50'19.39" E		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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.
BAY-SNJ-479 Residential area, brgy. Road, bridge, Andanan River in Purok 5 8°52'29.71" N 125°49'39.83" E	Moderate	The area is characterized by moderately rolling topography with locally steep slopes.  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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.
BAY-SNJ-496 Open field, back of school in Purok 1 8°51'17.64" N 125°50'44.81" E	Moderate	The area is characterized by moderately rolling topography. Can be utilized as relocation site.  Recommendations: Detailed geohazard assessment is recommended to define limit of safe areas for residential.
BAY-SNJ-493 Proposed relocation site in Purok 1 8°51'14.08" N 125°50'42.11" E	Moderate	The area is characterized by moderately rolling topography. Tentative relocation site.
BAY-SNJ-495 Proposed relocation site in Purok 1 8°51'12.78" N 125°50'48.16" E		Recommendations: Detailed geohazard assessment is recommended to define limit of safe areas for residential. Ground water is relatively shallow with observed seepage and springs.
BAY-SNJ-468 San Juan Brgy. Hall 8°51'21.24" N 125°50'36.28" E	Low	Low landslide susceptibility.
BAY-SNJ-469 Residential area, provincial road in Purok 1A 8°51'21.96" N 125°50'36.42" E	Low	

BAY-SNJ-491 Residential area in Purok 1 8°51'17.82" N 125°50'38.51" E	Low	Low landslide susceptibility.
BAY-SNJ-492 Residential area in Purok 1 8°51'15.55" N 125°50'38.51" E	Low	
BAY-SNJ-494 Proposed relocation site in Purok 1 8°51'11.63" N 125°50'45.42" E	Low	The area is characterized by low to moderately rolling topography. Tentative relocation site.  Recommendations: Detailed geohazard assessment is recommended to define limit of safe areas for residential. Avoid construction of new infrastructures along steep slopes.
<b>Barangay Santa Teresita</b>		
BAY-STT-1065 Along the road in Purok 3 8°42'47.8" N 125°46'52.8" E	Very High	A 40 meter rain induced tension crack was mapped along the concrete road going to Barangay Pinagalaan. Possibilities that several tension cracks might occur is high and is therefore not suitable for future habitation.  Recommendation: Discourage future habitation and construction of government structures in known/identified landslide prone areas where tension cracks are found.
BAY-STT-1066 Along the road in Purok 3 8°42'48.4" N 125°46'52.6" E	Very High	
BAY-STT-1067 Along the road in Purok 3 8°42'49.1" N 125°46'52.4" E	Very High	
BAY-STT-1047 Along the road in Purok 7 8°42'3.3" N 125°47'10.4" E	Very High	Rain induced tension cracks which forms terracets were mapped on the southern side of the barangay road. Possibilities of the occurrence of more tension cracks are high and is therefore not suitable for future habitation.
BAY-STT-1048 Along the road in Purok 7 8°42'3.9" N 125°47'11.9" E	Very High	Recommendations: Discourage future habitation and construction of government structures in known/ identified landslide prone areas. For long term solution, relocate houses built where the tension cracks are found to safer areas and away from landslide and flood-prone areas especially if tension cracks become larger and soil movement continues.
BAY-STT-1049 Along the road in Purok 7 8°42'3.8" N 125°47'12.5" E	Very High	
BAY-STT-1045 Residence in Purok 7 8°42'3.9" N 125°47'2.9" E	Very High	The ground subsided towards northeast with the length of 60m and has a vertical displacement of 0.2-0.4m high. Subsidence of the land along the barangay road occurs during prolonged heavy rains.
BAY-STT-1046 Residence in Purok 7 8°42'5.4" N 125°47'4.6" E	Very High	Recommendations: Discourage future habitation and construction of government structures in known/identified landslide prone areas. For long term solution, relocate houses built where the tension cracks are found to safer areas and away from landslide and flood-prone areas especially if tension cracks become larger and soil movement continues.
BAY-STT-1070 Along the road going to Barangay Pinagalaan in Purok 1 8°43'13.1" N 125°47'19" E	High	A 15 meter high landslide along the barangay road going to Barangay Pinagalaan was observed. The occurrence of the landslide is possibly due to prolonged heavy rains in the months of December to February.
BAY-STT-1071	High	Recommendations: Discourage future habitation especially on top of the slope where debris slides are found. Immediately

Along the road going to Barangay Pinagalaan in Purok 1 8°43'14.3" N 125°47'19.2" E		clear landslide debris along the road to provide access to the upland barangay.
BAY-STT-1037 Santa Teresita Barangay Hall 8°42'44.6" N 125°46'51.8" E	Low	No landslide/mass movement component mapped.
BAY-STT-1038 Purok 6 waiting shed in Purok 6 8°42'30.7" N 125°46'53.1" E	Low	
BAY-STT-1039 Near Bayugan river in Purok 6 8°42'27.8" N 125°46'53" E	Low	
BAY-STT-1040 Near Bayugan river in Purok 6 8°42'25.2" N 125°46'52.7" E	Low	
BAY-STT-1041 Bayugan River in Purok 6 8°42'24.3" N 125°46'52.8" E	Low	
BAY-STT-1042 Along the road in Purok 6 8°42'18.5" N 125°46'55.6" E	Low	
BAY-STT-1043 Along the road in Purok 7 8°42'11.8" N 125°46'59.4" E	Low	
BAY-STT-1044 Purok 7 waiting shed 8°42'3.9" N 125°47'2.3" E	Low	
BAY-STT-1050 Along the road in Purok 8 8°41'52.8" N 125°47'19.9" E	Low	
BAY-STT-1051 Purok 8 waiting shed 8°41'47.3" N 125°47'16" E	Low	
BAY-STT-1052 Along the road in Purok 8 8°41'45" N 125°47'15.4" E	Low	
BAY-STT-1053 Near Labao River in Purok 8 8°41'44.8" N 125°47'15.4" E	Low	

BAY-STT-1054 Near Labao River in Purok 8 8°41'44.5" N 125°47'15.3" E	Low	No landslide/mass movement component mapped.
BAY-STT-1055 Labao River in Purok 8 8°41'44.2" N 125°47'15.4" E	Low	
BAY-STT-1056 Along the road in Purok 8 8°41'34.5" N 125°47'13.2" E	Low	
BAY-STT-1057 Along the road in Purok 9 8°41'22.6" N 125°47'21.9" E	Low	
BAY-STT-1058 Along the road in Purok 9 8°41'12.1" N 125°47'23" E	Low	
BAY-STT-1059 Purok 9 waiting shed 8°41'7.6" N 125°47'23.2" E	Low	
BAY-STT-1060 Along the road in Purok 6 8°42'30.5" N 125°46'53" E	Low	
BAY-STT-1061 Proposed relocation site in Purok 6 8°42'30.4" N 125°46'49.3" E	Low	
BAY-STT-1062 Sinadyap Elementary School 8°42'34.8" N 125°46'56.3" E	Low	
BAY-STT-1063 Along the barangay road in Purok 5 8°42'42.6" N 125°46'59.8" E	Low	
BAY-STT-1064 Purok 4 waiting shed 8°42'46.9" N 125°47'10.4" E	Low	
BAY-STT-1068 Purok 2 waiting shed 8°42'59.1" N 125°46'51" E	Low	
BAY-STT-1069 Along the road in Purok 1 8°43'4.6" N 125°47'5.6" E	Low	

BAY-STT-1072 Purok 1 waiting shed 8°43'8.9" N 125°47'10.6" E	Low	No landslide/mass movement component mapped.
BAY-STT-1073 Purok 3 waiting shed 8°42'45.2" N 125°46'53" E	Low	
<b>Barangay Santo Niño</b>		
BAY-STN-962 Along the trail going to Purok 10 8°50'3.5" N 125°45'47.3" E	High	Deep seated rain induced landslide about 50 meters high and around 10 meters wide was mapped along the trail going to Purok 10 proper.  Recommendations: Discourage future habitation and construction of government structures in known/ identified landslide prone areas especially in Purok 10 where tension cracks are found along the road. For long term solution, relocate residents of Purok 10 to safer areas not susceptible to geohazard risk.
BAY-STN-985 New Leyte Elementary School 8°47'50.3" N 125°47'30.6" E	High	New Leyte Elementary School is situated on a ridge. Recent debris slides that were observed along the road cuts are indication of slope instability.  Recommendations: For long term solution, relocate residents of Purok 7, 8 and 9 to safer areas not susceptible to geohazard risk. Discourage future habitation and construction of government structures in known/identified landslide prone areas especially in Purok 7, 8 and 9.
BAY-STN-983 Purok 8 waiting shed 8°48'15.3" N 125°47'49.4" E	High	Residences in Purok 7, 8 and 9 are situated on a ridge and they are very prone to landslide. Recent debris slides that were observed along the road cut are indication of slope instability.  Recommendations: For long term solution, relocate residents of Purok 7, 8 and 9 to safer areas not susceptible to geohazard risk. Discourage future habitation and construction of government structures in known/identified landslide prone areas especially in Purok 7, 8 and 9.
BAY-STN-984 Boundary between Purok 9 and 8 8°47'58.1" N 125°47'37.9" E	High	
BAY-STN-986 Purok 9 waiting shed 8°47'48.1" N 125°47'30.8" E	High	
BAY-STN-987 Along the road in Purok 9 8°47'47.1" N 125°47'31.6" E	High	
BAY-STN-988 Along the road in Purok 7 8°47'33.7" N 125°47'10.1" E	High	
BAY-STN-989 Purok 7 waiting shed 8°47'17.8" N 125°47'11.5" E	High	
BAY-STN-960 Along the trail going to Purok 10 8°49'56.1" N 125°45'50.1" E	High	
BAY-STN-961	High	

Along the trail going to Purok 10 8°49'59.6" N 125°45'46.9" E		construction of government structures in known/ identified landslide prone areas especially in Purok 10 where tension cracks are found along the road. For long term solution, relocate residents in Purok 10 to safer areas not susceptible to geohazard risk.
BAY-STN-963 Along the trail going to Purok 10 8°49'54.1" N 125°45'50.3" E	High	
BAY-STN-578 Provincial road, residential area in Purok 7 8°47'28.21" N 125°47'32.39" E	High	The area is characterized by highly rolling topography with locally steep slopes and road cuts.  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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes. Reduce slopes of road cuts to mitigate the effect of erosion and landslide.
BAY-STN-980 Along the trail in Purok 2 8°47'44.2" N 125°46'28.1" E	High	The area is situated on the base of a steep slope. No reported case or signs of landslide in the area but may be prone to landslide due to its steep slope gradient.
BAY-STN-981 Along the trail in Purok 2 8°47'35.5" N 125°46'35.7" E		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.
BAY-STN-956 Along the trail going to Purok 10 8°49'37.3" N 125°45'55.5" E	High	The trail going to Purok 10 is bounded by steep slopes towards west and east. No reported case or signs of landslide but may be affected due to its slope gradient.
BAY-STN-957 Along the trail going to Purok 10 8°49'43.5" N 125°45'52.7" E	High	
BAY-STN-958 Along the trail going to Purok 10 8°49'46.6" N 125°45'51.4" E	High	
BAY-STN-959 Along the trail going to Purok 10 8°49'50.4" N 125°45'50.3" E	High	
BAY-STN-982 Along the trail in Purok 2 8°48'21.8" N 125°47'53.9" E	High	The trail in Purok 2 is situated on the ridge. No reported case or signs of landslide but may be affected by landslide due to its steep slope gradient.  Recommendations: For long term solution, relocate residents of Purok 7, 8 and 9 to safer areas not susceptible to geohazard risk. Discourage future habitation and construction of government structures in known/identified landslide prone areas especially in Purok 7, 8 and 9.

BAY-STN-964 Along the trail going to Purok 10 8°49'14.1" N 125°46'30.2" E	Moderate	The area is situated on a moderate to steeply undulating terrain towards west.  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.
BAY-STN-965 Corn field in Purok 1 8°49'7.8" N 125°46'31.8" E		
BAY-STN-939 Santo Niño Barangay Hall 8°48'59.7" N 125°46'36.6" E	Low	No landslide/mass movement component mapped.
BAY-STN-940 Purok 1-A waiting shed 8°48'57.4" N 125°46'31.6" E	Low	
BAY-STN-941 Along the trail in Purok 1-A 8°48'48.1" N 125°46'26.5" E	Low	
BAY-STN-942 Along the trail in Purok 1-A 8°48'55.1" N 125°46'22.2" E	Low	
BAY-STN-943 Awa-an Creek in Purok 1 8°48'56.3" N 125°46'16.9" E	Low	
BAY-STN-944 Near Awa-an Creek in Purok 1 8°48'56.3" N 125°46'17.1" E	Low	
BAY-STN-945 Near Awa-an Creek in Purok 1 8°48'56.3" N 125°46'17.2" E	Low	
BAY-STN-946 Along the trail in Purok 1 8°49'0.7" N 125°46'9.5" E	Low	
BAY-STN-947 Along the trail in Purok 1 8°49'3.5" N 125°46'6.1" E	Low	
BAY-STN-948 Along the road in Purok 5 8°49'14" N 125°46'3.8" E	Low	
BAY-STN-949 Purok 5 waiting shed 8°49'22" N 125°45'58.5" E	Low	

BAY-STN-950 River bank of Awaan Creek in Purok 5 8°49'21.9" N 125°45'58.4" E	Low	No landslide/mass movement component mapped.
BAY-STN-951 Near Awa-an Creek in Purok 5 8°49'23.6" N 125°45'54.9" E	Low	
BAY-STN-952 Near Awa-an Creek in Purok 5 8°49'23.7" N 125°45'55" E	Low	
BAY-STN-953 Near Awa-an Creek in Purok 5 8°49'23.7" N 125°45'55.1" E	Low	
BAY-STN-954 Awa-an Creek in Purok 5 8°49'23.7" N 125°45'55.1" E	Low	
BAY-STN-955 Along the trail going to Purok 10 8°49'30" N 125°45'55.4" E	Low	
BAY-STN-966 Along the road in Purok 1 8°49'14.8" N 125°46'33.9" E	Low	
BAY-STN-967 Along the road in Purok 1 8°49'10.9" N 125°46'40.3" E	Low	
BAY-STN-968 Near Andanan River in Purok 1 8°49'3.4" N 125°46'39.8" E	Low	
BAY-STN-969 Andanan River in Purok 1 8°49'2.7" N 125°46'40.6" E	Low	
BAY-STN-970 Barangay Office 8°48'58.8" N 125°46'39" E	Low	
BAY-STN-971 Santo Niño Elementary School 8°48'52" N 125°46'33.8" E	Low	
BAY-STN-972 Along the trail in Purok 1-A 8°48'46.8" N 125°46'40.2" E	Low	

BAY-STN-973 Purok 3 waiting shed 8°48'38.6" N 125°46'41.7" E	Low	No landslide/mass movement component mapped.
BAY-STN-974 Along the trail in Purok 3 8°48'27" N 125°46'38.6" E	Low	
BAY-STN-975 Along the trail in Purok 2 8°48'20" N 125°46'36.9" E	Low	
BAY-STN-976 Along the trail in Purok 2 8°48'11.8" N 125°46'32.4" E	Low	
BAY-STN-977 Purok 2 proper 8°47'54.1" N 125°46'21.6" E	Low	
BAY-STN-978 Purok 2 waiting shed 8°47'50.5" N 125°46'22.4" E	Low	
BAY-STN-979 Near the riverbank of Andanan River in Purok 2 8°47'48.3" N 125°46'24.7" E	Low	
<b>Barangay Sta. Irene</b>		
BAY-STR-543 Provincial road in Purok 4 8°44'45.38" N 125°45'23.36" E	Very High	The area is characterized by highly rolling topography with locally steep slopes underlain by tilted/folded interbedded mudstone, siltstone and sandstone. Active landslide mapped along road cut.  Recommendations: Stabilize and reduce road cuts by establishing retaining walls or benches. 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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.
BAY-STR-502 Provincial Road in Purok 5 8°45'9.61" N 125°46'5.48" E	High	The area is characterized by highly rolling topography with locally steep slopes underlain by tilted/folded interbedded mudstone, siltstone and sandstone.  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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.
BAY-STR-541 Provincial road in Purok 4 8°44'38.98" N 125°45'27.65" E	High	
BAY-STR-542 Provincial road in Purok 4 8°44'43.26" N 125°45'24.7" E	High	
BAY-STR-544 Provincial road in Purok 5 8°44'53.59" N 125°45'20.12" E	High	

BAY-STR-545 Provincial road in Purok 5 8°45'0.32" N 125°45'33.34" E	High	The area is characterized by highly rolling topography with locally steep slopes underlain by tilted/folded interbedded mudstone, siltstone and sandstone.  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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.
BAY-STR-546 Provincial road in Purok 5 8°45'0.22" N 125°45'39.42" E	High	
BAY-STR-547 Provincial road in Purok 5 8°44'59.6" N 125°45'50.36" E	High	
BAY-STR-548 Provincial road in Purok 5 8°44'56.15" N 125°45'24.98" E	High	
BAY-STR-539 View of Purok 7 8°44'24.14" N 125°45'20.3" E	Moderate	The area is characterized by moderately rolling topography with locally steep slopes.  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 immediately report to MGB/municipal authorities. Avoid construction of new infrastructures along steep slopes.
BAY-STR-540 Provincial road in Purok 4 8°44'28.18" N 125°45'24.05" E		
BAY-STR-534 Residential area in Purok 1 8°43'55.13" N 125°45'3.56" E	Low	Low landslide susceptibility.
BAY-STR-535 Residential area, provincial road in Purok 1 8°44'5.46" N 125°45'8.21" E	Low	
BAY-STR-536 Sta. Irene Elementary School, residential area, provincial road 8°44'5.93" N 125°45'6.66" E	Low	
BAY-STR-537 Provincial road in Purok 1 8°44'11.62" N 125°45'9.76" E	Low	
BAY-STR-538 Provincial road in Purok 1 8°44'19.14" N 125°45'15.3" E	Low	
BAY-STR-549 Provincial road in Purok 6 8°44'13.88" N 125°44'57.19" E	Low	
BAY-STR-550 Irrigation in Purok 6 8°44'25.44" N 125°44'59.78" E	Low	

BAY-STR-551 Irrigation in Purok 6 8°44'33.54" N 125°45'5.08" E	Low	Low landslide susceptibility.
BAY-STR-552 Irrigation in Purok 2 8°44'16.04" N 125°44'47.33" E	Low	
BAY-STR-553 Andanan River, Irrigation in Purok 6 8°44'19.18" N 125°44'44.99" E	Low	
BAY-STR-554 Provincial road in Purok 2 8°43'55.78" N 125°44'53.3" E	Low	
BAY-STR-555 Irrigation, residential area in Purok 2 8°43'44.8" N 125°44'47.51" E	Low	
BAY-STR-556 Residential, agricultural, RCP in Purok 2 8°43'37.2" N 125°44'47.9" E	Low	
BAY-STR-557 Residential, agricultural, Box culvert in Purok 3 8°43'26.18" N 125°44'37.86" E	Low	
<b>Barangay Taglatawan</b>		
BAY-TGL-431 Bayugan River bank in Purok 8 8°42'35.24" N 125°45'40.75" E	High	The area is characterized by steep river bank. Recommendation: Detailed geological assessment is recommended prior to designing of engineering mitigating measure to address rapid river bank erosion.
BAY-TGL-436 Bayugan River bank in Purok 10 8°42'25.92" N 125°45'26.57" E	High	
BAY-TGL-443 River bank in Purok 10 8°42'30.78" N 125°45'12.53" E	High	
BAY-TGL-430 Purok 8 8°42'35.78" N 125°45'40.32" E	Low	Low landslide susceptibility.
BAY-TGL-432 Brgy. Road, residential area in Purok 8 8°42'48.67" N 125°45'31.28" E	Low	

BAY-TGL-433 Brgy. Road, residential area in Purok 10 8°42'34.38" N 125°45'26.64" E	Low	Low landslide susceptibility.
BAY-TGL-434 Brgy. Road, residential area in Purok 10 8°42'35.39" N 125°45'23" E	Low	
BAY-TGL-435 Brgy. Road, residential area in Purok 10 8°42'29.02" N 125°45'25.45" E	Low	
BAY-TGL-437 Market, road, residential area in Purok 10 8°42'32.22" N 125°45'25.63" E	Low	
BAY-TGL-438 Built up commercial area, bus terminal in Purok 3 8°42'41.15" N 125°45'23.69" E	Low	
BAY-TGL-439 Market, road, residential area in Purok 3 8°42'44.46" N 125°45'22.93" E	Low	
BAY-TGL-440 Brgy. Road, residential area in Purok 2A 8°42'44.64" N 125°45'18.94" E	Low	
BAY-TGL-441 Brgy. Road, residential area in Purok 2B 8°42'43.16" N 125°45'17.57" E	Low	
BAY-TGL-442 Brgy. Road, residential area in Purok 2C 8°42'32.83" N 125°45'13.39" E	Low	
BAY-TGL-444 Road, residential area in Purok 1B 8°42'40.18" N 125°45'12.92" E	Low	
BAY-TGL-445 Brgy. Road, residential area in Purok 1A 8°42'47.45" N 125°45'10.84" E	Low	
BAY-TGL-446 Brgy. Road, residential area in Purok 1A 8°42'51.8" N 125°45'14.76" E	Low	

BAY-TGL-447 River bank (Bayugan River Tributary), residential and commercial area in Purok 1A 8°42'52.99" N 125°45'10.84" E	Low	Low landslide susceptibility.
BAY-TGL-448 River bank (Bayugan River Tributary), residential and commercial area in Purok 5 8°42'53.5" N 125°45'10.76" E	Low	
BAY-TGL-449 Brgy. Road, residential area in Purok 5 8°42'56.81" N 125°45'15.77" E	Low	
BAY-TGL-450 Brgy. Road, residential area in Purok 11 8°43'1.85" N 125°45'20.66" E	Low	
BAY-TGL-451 Brgy. Road, residential area, river bank in Purok 4 8°43'6.2" N 125°45'23.76" E	Low	
BAY-TGL-452 Brgy. Road, residential area in Purok 4 8°42'55.8" N 125°45'23.15" E	Low	
BAY-TGL-453 Brgy. Road, residential area in Purok 7B 8°42'52.56" N 125°45'32" E	Low	
BAY-TGL-454 Brgy. Road, residential area in Purok 7A 8°43'0.84" N 125°45'32.87" E	Low	
<b>Barangay Taglibas</b>		
BAY-TLB-08 Agricultural area in Purok 3 8°46'11.1" N 125°41'17.4" E	Moderate	Located at the upper slopes of Taglibas. Most of the landslides were caused by river/creek erosion.  Recommendations: Monitor for presence of further mass movement. Establish warning signage. Proper grading and engineering of slopes may be considered as long term solution subject to a detailed engineering geological study.
BAY-TLB-09 Agricultural area in Purok 3 8°46'14.1" N 125°41'10.5" E	Moderate	

BAY-TLB-10 Agricultural area in Purok 3 8°46'16.9" N 125°41'4.3" E	Moderate	<p>Located at the upper slopes of Taglibas. Most of the landslides were caused by river/creek erosion.</p> <p>Recommendations: Monitor for presence of further mass movement. Establish warning signage. Proper grading and engineering of slopes may be considered as long term solution subject to a detailed engineering geological study.</p>
BAY-TLB-11 Agricultural area in Purok 3 8°46'16.9" N 125°41'3.3" E	Moderate	
BAY-TLB-12 Water Source in Purok 3 8°46'18.3" N 125°40'59.9" E	Moderate	
BAY-TLB-13 Water Source in Purok 3 8°46'18.4" N 125°40'59.9" E	Moderate	
BAY-TLB-14 Agricultural area in Purok 3 8°46'18" N 125°41'0.5" E	Moderate	
BAY-TLB-01 Residential area in Purok 2 8°46'0.1" N 125°41'21.4" E	Low	<p>Area is relatively flat. No landslide component mapped.</p>
BAY-TLB-02 Along the Barangay road in Purok 3 8°46'16.7" N 125°41'36.1" E	Low	
BAY-TLB-03 Residential area in Purok 3 8°46'14.8" N 125°41'37.5" E	Low	
BAY-TLB-04 Agricultural area in Purok 3 8°46'13.1" N 125°41'40.6" E	Low	
BAY-TLB-05 Agricultural area in Purok 3 8°46'4.3" N 125°41'45.2" E	Low	
BAY-TLB-15 Agricultural area in Purok 2 8°46'2.4" N 125°41'26.1" E	Low	
BAY-TLB-16 Residential area in Purok 2 8°45'59.6" N 125°41'22.8" E	Low	

BAY-TLB-17 Residential area in Purok 1 8°45'57" N 125°41'19.6" E	Low	Area is relatively flat. No landslide component mapped.
BAY-TLB-18 Residential and agricultural area in Purok 1 8°45'55" N 125°41'16.5" E	Low	
BAY-TLB-19 Residential and agricultural area in Purok 1 8°45'55" N 125°41'16.5" E	Low	
BAY-TLB-20 Agricultural area in Purok 11 8°45'59.19" N 125°41'43.22" E	Low	
BAY-TLB-06 Residential and agricultural area in Purok 3 8°46'5" N 125°41'31.3" E	Low	No landslide component mapped.
BAY-TLB-07 Residential and agricultural area in Purok 3 8°46'6" N 125°41'30.5" E		
<b>Barangay Tagubay</b>		
BAY-TBY-87 Along the road Purok 7 8°46'42.3" N 125°43'42" E	High	Access road to Barangay Mahayag is situated in steep ridges.  Recommendations: Reduce slope angle of road cuts (in applicable areas). Stabilize the base and slopes of hills where structures are located.
BAY-TBY-88 Along the road Purok 7 8°46'51.2" N 125°43'44.1" E	High	
BAY-TBY-89 Along the road Purok 7 8°46'55.8" N 125°43'42.9" E	High	
BAY-TBY-103 Along the road purok 7 8°47'5" N 125°43'57.7" E	High	Identified previous mass wasting.  Recommendations: Develop an early warning system (e.g., signage). 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.
BAY-TBY-100 Purok 6 Community 8°46'17.2" N 125°43'28.2" E	Low	No landslide component mapped.
BAY-TBY-101 Along the road purok 6 8°46'35.7" N 125°43'32.5" E	Low	

BAY-TBY-102 Purok 6 Community 8°46'38.2" N 125°43'31.6" E	Low	No landslide component mapped.
BAY-TBY-82 Tagubay Barangay Hall 8°46'12.2" N 125°43'18" E	Low	
BAY-TBY-83 Purok 6 Community 8°46'33.6" N 125°43'32.8" E	Low	
BAY-TBY-84 Purok 6 Community 8°46'33.7" N 125°43'32.7" E	Low	
BAY-TBY-85 Purok 7 Community 8°46'35.1" N 125°43'34.8" E	Low	
BAY-TBY-86 Purok 7 Riverside Community 8°46'36.7" N 125°43'37.9" E	Low	
BAY-TBY-90 Along the road Purok 7 8°46'31.7" N 125°43'31.9" E	Low	
BAY-TBY-91 Purok 5 Community 8°46'28.7" N 125°43'31.2" E	Low	
BAY-TBY-92 Along the road Purok 5 8°46'26.9" N 125°43'30.8" E	Low	
BAY-TBY-93 Purok 4 Community 8°46'20.8" N 125°43'30.1" E	Low	
BAY-TBY-94 Purok 3 Community 8°46'16.4" N 125°43'27.2" E	Low	
BAY-TBY-95 Along the road Purok 3 8°46'14" N 125°43'20.6" E	Low	
BAY-TBY-96 Purok 2 Community 8°46'9.8" N 125°43'17.6" E	Low	
BAY-TBY-97 Purok 1 Community 8°46'6.8" N 125°43'15.1" E	Low	

BAY-TBY-98 Along the road Purok 1 8°46'6" N 125°43'13.4" E	Low	No landslide component mapped.
BAY-TBY-99 Purok 2 Community 8°46'14.5" N 125°43'23.2" E	Low	
<b>Barangay Verdu</b>		
BAY-VRD-181 Agriland in Purok 5 8°42'36.7" N 125°42'49.7" E	Low	No landslide component mapped.
BAY-VRD-182 Verdu Barangay hall 8°43'23.7" N 125°42'17.7" E	Low	
BAY-VRD-183 Verdu Elementary School 8°43'28.1" N 125°42'15.5" E	Low	
BAY-VRD-184 Purok 1 School And Community 8°43'28.3" N 125°42'16" E	Low	
BAY-VRD-185 Barangay road in Purok 1A 8°43'38" N 125°42'11.9" E	Low	
BAY-VRD-186 Purok 1A Community 8°43'50.6" N 125°42'6.5" E	Low	
BAY-VRD-187 Barangay road in Purok 1A 8°43'54.9" N 125°42'4.4" E	Low	
BAY-VRD-188 Purok 1A Community 8°43'51.9" N 125°42'5.9" E	Low	
BAY-VRD-189 Purok 1A Community 8°43'49.6" N 125°42'6.9" E	Low	
BAY-VRD-190 Purok 1A Community 8°43'47.1" N 125°42'8.1" E	Low	
BAY-VRD-191 Purok 1A Community 8°43'44.1" N 125°42'9.3" E	Low	

BAY-VRD-192 Purok 1A Community 8°43'41.8" N 125°42'10.3" E	Low	No landslide component mapped.
BAY-VRD-193 Purok 1A Community 8°43'39.7" N 125°42'11.1" E	Low	
BAY-VRD-194 Purok 1A Community 8°43'36.7" N 125°42'12.6" E	Low	
BAY-VRD-195 Purok 1A Community 8°43'32.7" N 125°42'14.3" E	Low	
BAY-VRD-196 Purok 1 Community area 8°43'30.4" N 125°42'14.8" E	Low	
BAY-VRD-197 Purok 2 Community area 8°43'21.1" N 125°42'18.8" E	Low	
BAY-VRD-198 Purok 2 Community area 8°43'16.3" N 125°42'21" E	Low	
BAY-VRD-199 Purok 3 Community area 8°43'10.7" N 125°42'23.3" E	Low	
BAY-VRD-200 Purok 4 Community area 8°43'4.7" N 125°42'26" E	Low	
BAY-VRD-201 Barangay road in Purok 4 8°43'1.8" N 125°42'27" E	Low	
BAY-VRD-202 Purok 4 Community area 8°43'0.1" N 125°42'26.9" E	Low	
BAY-VRD-203 Purok 4 Community area 8°42'59" N 125°42'28.5" E	Low	
BAY-VRD-204 Purok 4 Community area 8°42'57.1" N 125°42'28" E	Low	
BAY-VRD-205 Barangay road and agriland in Purok 4 8°42'54.9" N 125°42'29.5" E	Low	

BAY-VRD-206 Barangay road and agriland in Purok 4 8°42'54.4" N 125°42'30.2" E	Low	No landslide component mapped.
BAY-VRD-207 Barangay road and agriland in Purok 4 8°42'50.2" N 125°42'32.1" E	Low	
BAY-VRD-208 Barangay road and agriland in Purok 5 8°42'44.2" N 125°42'33.9" E	Low	
BAY-VRD-209 Barangay road and agriland in purok 5 8°42'39.8" N 125°42'31.6" E	Low	
BAY-VRD-210 Purok 5 Community area 8°42'39.1" N 125°42'31.3" E	Low	
BAY-VRD-211 Purok 5 Community area 8°42'35.3" N 125°42'29.9" E	Low	
BAY-VRD-212 Purok 5 Community area and agriland 8°42'30.7" N 125°42'32.6" E	Low	
BAY-VRD-213 Barangay road in Purok 6 8°42'37.2" N 125°42'18.6" E	Low	
BAY-VRD-214 Agriland in Purok 7 8°42'27.2" N 125°42'18.1" E	Low	
BAY-VRD-215 Agriland in Purok 7 8°42'23.3" N 125°42'16.9" E	Low	
BAY-VRD-216 Agriland in Purok 7 8°42'22.7" N 125°42'15.8" E	Low	
BAY-VRD-217 Purok 7 Agriland and Community area 8°42'21.8" N 125°42'13.4" E	Low	
BAY-VRD-218 Purok 7 Agriland and Community area 8°42'19.1" N 125°42'12.8" E	Low	

BAY-VRD-219 Purok 7 Agriland and Community area 8°42'16.7" N 125°42'11.4" E	Low	No landslide component mapped.
BAY-VRD-220 Purok 7 Agriland and Community area 8°42'14" N 125°42'8.3" E	Low	
BAY-VRD-221 Purok 7 Community area 8°42'15.2" N 125°42'3.6" E	Low	
BAY-VRD-222 Purok 7 Community area 8°42'15.4" N 125°42'2.4" E	Low	
BAY-VRD-223 Purok 7 Community area 8°42'17.8" N 125°42'3.6" E	Low	
BAY-VRD-224 Purok 6 Community area 8°42'38.3" N 125°42'5.6" E	Low	
BAY-VRD-225 Purok 6 Community area 8°42'38" N 125°42'5" E	Low	
BAY-VRD-226 Agriland in Purok 5 8°42'40.1" N 125°42'36.6" E	Low	
<b>Barangay Villa Undayon</b>		
BAY-VLO-333 Purok 1C community 8°43'44.6" N 125°51'36.4" E	High	Residential area situated near cliff.  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).
BAY-VLO-336 Riverside Community in Purok Wakay Wakay 8°43'48.5" N 125°51'25.4" E	Moderate	Riverside community is moderately susceptible to landslide.  Recommendation: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.
BAY-VLO-312 Along the Road purok 6 8°45'31.4" N 125°52'8.6" E	Moderate	The area is situated on moderate slopes.  Recommendation: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.
BAY-VLO-313 Purok 6 Community 8°45'18" N 125°52'15.5" E	Moderate	
BAY-VLO-314 Purok 6 Community 8°45'16.8" N 125°52'15.7" E	Moderate	

BAY-VLO-315 Along the Road purok 6 8°44'58.5" N 125°51'57.7" E	Moderate	<p>The area is situated on moderate slopes.</p> <p>Recommendation: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.</p>
BAY-VLO-316 Along the Road purok 6 8°44'50.5" N 125°52'0.8" E	Moderate	
BAY-VLO-317 Along the Road purok 6 8°44'39.7" N 125°51'57.6" E	Moderate	
BAY-VLO-318 Along the Road purok 6 8°44'36.8" N 125°51'58.4" E	Moderate	
BAY-VLO-319 Along the Road purok 6 8°44'32.7" N 125°51'57" E	Moderate	
BAY-VLO-320 Along the Road purok 6 8°44'28.7" N 125°51'55.9" E	Moderate	
BAY-VLO-321 Along the Road purok 6 8°44'18.9" N 125°51'54.4" E	Moderate	
BAY-VLO-322 Along the Road purok 6 8°44'9.6" N 125°51'55.7" E	Moderate	
BAY-VLO-323 Purok 1A Community 8°44'6.8" N 125°51'37.2" E	Moderate	
BAY-VLO-324 Purok 1A Community 8°43'47.4" N 125°51'29.7" E	Moderate	
BAY-VLO-325 Purok 1B Community 8°43'47.4" N 125°51'29.7" E	Moderate	
BAY-VLO-326 Purok 1B Community 8°43'41.9" N 125°51'22.8" E	Moderate	
BAY-VLO-327 Purok 1B Community 8°43'37.7" N 125°51'21" E	Moderate	
BAY-VLO-328 Purok 1B Community 8°43'31.1" N 125°51'9.8" E	Moderate	

BAY-VLO-329 Purok 1B Community 8°43'18.8" N 125°51'5.6" E	Moderate	The area is situated on moderate slopes.  Recommendation: Observe for and/or monitor for presence of mass movement (e.g., landslides, tension cracks) and report to MGB/municipal authorities.
BAY-VLO-330 Purok 3 Community 8°43'15.6" N 125°51'8.1" E	Moderate	
BAY-VLO-331 Purok 2 Community 8°43'29.8" N 125°51'5.3" E	Moderate	
BAY-VLO-332 Purok 4 community 8°43'47" N 125°51'38.7" E	Moderate	
BAY-VLO-334 Along the road Purok 4 8°43'24" N 125°51'38.51" E	Moderate	
BAY-VLO-335 Along the road Purok 4 8°43'49.9" N 125°51'35.9" E	Moderate	
<b>Barangay Wawa (Del Carmen)</b>		
BAY-WAW-08 Along the road in Purok 3 8°48'3.89" N 125°42'33.74" E	High	The area is situated on a rolling to moderate steep slope. The slope exhibits soil creep.  Recommendation: The slopes must be stabilized or houses at the base of the slope must be relocated.
BAY-WAW-10 Along the road in Purok 3 8°47'58.89" N 125°42'34.25" E	High	The area is situated on the foot of a steep slope.  Recommendation: Relocation of houses near the slope is recommended.
BAY-WAW-05 Residential area in Purok 3 8°48'13.7" N 125°42'23.4" E	Moderate	The area is relatively flat. Slopes near the Wawa river has low to moderate landslide susceptibility due to creek/river erosion.  Recommendation: Stabilize riverbanks especially along the cut banks.
BAY-WAW-14 Residential area in Purok 4 8°48'2.81" N 125°42'37.03" E	Moderate	The area is situated on a rolling to moderate steep slope. The slope exhibits soil creep.  Recommendation: Houses at the base of the slope must be relocated.
BAY-WAW-09 Along the road in Purok 3 8°48'1.5" N 125°42'34.15" E	Moderate	The area is situated on the foot of a steep slope.  Recommendation: Relocation of houses near the slope is recommended.
BAY-WAW-11 Residential area in Purok 1 8°47'55.65" N 125°42'35.28" E		
BAY-WAW-01 Residential area in Purok 3 8°48'9.7" N 125°42'24.7" E	Low	The area is relatively flat. No landslide component mapped.

BAY-WAW-02 Residential area in Purok 3 8°48'11.6" N 125°42'31.2" E	Low	The area is relatively flat. No landslide component mapped.
BAY-WAW-07 Along the road in Purok 3 8°48'10.2" N 125°42'28.5" E	Low	
BAY-WAW-13 Along the road in Purok 4 8°47'57.1" N 125°42'30.2" E	Low	
BAY-WAW-15 Agricultural area in Purok 5 8°47'43.2" N 125°42'52.3" E	Low	
BAY-WAW-16 Agricultural area in Purok 5 8°47'36.4" N 125°42'50.1" E	Low	
BAY-WAW-17 Residential and agricultural area in Purok 2 8°47'33.9" N 125°42'52.5" E	Low	
BAY-WAW-18 Residential and agricultural area in Purok 2 8°47'29.12" N 125°43'2.81" E	Low	
BAY-WAW-19 Agricultural area in Purok 2 8°47'32" N 125°42'59.9" E	Low	
BAY-WAW-20 Agricultural area in Purok 2 8°47'26.6" N 125°42'48.9" E	Low	
BAY-WAW-21 Residential and agricultural area in Purok 2 8°47'22.74" N 125°42'47.96" E	Low	
BAY-WAW-22 Residential and agricultural area in Purok 2 8°47'24.1" N 125°42'40.8" E	Low	
BAY-WAW-23 Coconut Plantation in Purok 2 8°47'23.9" N 125°42'37.7" E	Low	

BAY-WAW-03 Residential and agricultural area in Purok 3 8°48'5.77" N 125°42'25.76" E	Low	The area is relatively flat. Slopes near the Wawa river has low to moderate landslide susceptibility due to creek/river erosion.  Recommendation: Stabilize riverbanks especially along the cut banks.
BAY-WAW-04 Agricultural area in Purok 3 8°48'10.2" N 125°42'18.4" E	Low	
BAY-WAW-06 Artifacts in Purok 3 8°48'15.36" N 125°42'29.84" E	Low	
BAY-WAW-12 Residential area in Purok 4 8°47'57.4" N 125°42'31.2" E	Low	The area is situated on a rolling to moderate steep slope. The slope exhibits soil creep.  Recommendation: The slopes must be stabilized or houses at the base of the slope must be relocated.

**Table 5. Results of the Flood Hazard Assessment**

Location	Flood Susceptibility Rating	Remarks/Recommendations
<b>Barangay Berseba</b>		
BAY-BRS-176 Along Andanan River in Purok 6 8°51'28.2" N 125°8'3.8" E	Very High	Andanan River serves as boundary between Barangay Berseba and New Tubigon of Sibagat. Flood height reaches up to 4 meters. Temporary water level markings were observed in the area to monitor water level.  Recommendations: Develop an early warning device/system. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Future settlement in the area is discouraged.
BAY-BRS-173 Creek in Purok 6 8°51'15.6" N 125°8'21.4" E	High	Creek passing Purok 6 and draining towards Andanan River. During flooding area is inaccessible.  Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-BRS-171 Barangay Hall of Barangay Berseba 8°50'6.3" N 125°8'47.8" E		Area is elevated. No flooding recorded.
BAY-BRS-172 Purok proper of purok 3 8°50'18.3" N 125°8'53.5" E		
BAY-BRS-174 Trail to Andanan River in Purok 6 8°51'19" N 125°8'21.8" E		

BAY-BRS-175 Trail to Andanan River in Purok 7 8°51'27" N 125°8'13.6" E		Area is elevated. No flooding recorded.
BAY-BRS-177 Barangay road of Purok 6 8°51'6.2" N 125°8'25.8" E		
BAY-BRS-178 Barangay road of Purok 4 8°50'54.8" N 125°8'29.4" E		
BAY-BRS-179 Barangay road of Purok 4 8°50'44.1" N 125°8'28.4" E		
BAY-BRS-180 Barangay road of Purok 5 8°50'47.1" N 125°8'18.6" E		
BAY-BRS-181 Barangay road of Purok 5 8°50'42" N 125°8'47.5" E		
BAY-BRS-182 Barangay road of Purok 8 8°50'32.2" N 125°8'39.4" E		
BAY-BRS-183 Barangay road of Purok 4 8°50'40" N 125°8'36.1" E		
BAY-BRS-184 Purok 2 proper 8°50'11.2" N 125°8'45.6" E		
BAY-BRS-185 Road cut in Purok 2 8°50'12.7" N 125°8'47" E		
BAY-BRS-186 Purok 12 proper 8°48'52.8" N 125°8'28.9" E		
BAY-BRS-187 Purok 11 proper 8°48'59.1" N 125°8'38.7" E		
BAY-BRS-188 Purok 10 proper 8°49'16.1" N 125°8'48.8" E		
BAY-BRS-189 Road cut in Purok 10 8°49'46.6" N 125°8'51.9" E		

BAY-BRS-190 Berseba Elementary School 8°50'7.2" N 125°8'45.2" E		Area is elevated. No flooding recorded.
BAY-BRS-191 Berseba National High School 8°50'4.4" N 125°8'45.4" E		
<b>Barangay Bucac</b>		
BAY-BUC-08 Creek in Purok 6 8°40'58.37" N 125°46'24.74" E	Very High	A southwest flowing Labaw Creek overflows during perilous weather conditions causing sheet flooding to it surrounding area.  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. Avoid settlements near Creek.
BAY-BUC-16 Open area in Purok 1 8°42'20.84" N 125°45'15.66" E	Very High	A west flowing Hamugaway river overflows during perilous weather conditions causing sheet flooding to it surrounding area. Progressive river bank erosion was also noted along this area.  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. Avoid settlements near creek.
BAY-BUC-20 Agricultural area in Purok 3 8°41'45.46" N 125°45'8.46" E	Moderate	Sheet flooding in the area is caused by the overflowing of a nearby creek.  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.
BAY-BUC-18 Agricultural area in Purok 3 8°40'46.42" N 125°45'59.58" E	Moderate	Sheet flooding in the area is caused by the overflowing of Labaw Creek.  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.
BAY-BUC-15 Residential area in Purok 1 8°42'20.7" N 125°45'20.92" E	Moderate	Sheet flooding in the area is caused by the overflowing of the nearby Hamugaway 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. Avoid settlements near river.
BAY-BUC-02 Agricultural area in Purok 7 8°41'1.21" N 125°46'7.32" E	Low	Sheet flooding in the area is caused by the overflowing of Labaw Creek.  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.
BAY-BUC-19 Agricultural area in		

Purok 3 8°41'19.72" N 125°45'53.64" E		
BAY-BUC-06 Residential area in Purok 6 8°41'11.76" N 125°46'16.72" E	Low	Sheet flooding in the residential area is caused by the overflowing of Labaw Creek.  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. Establish adequate drainage canal to facilitate surface water runoff.
BAY-BUC-07 Residential area in Purok 6 8°41'7.08" N 125°46'23.09" E	Low	
BAY-BUC-09 Agricultural area in Purok 5 8°41'30.48" N 125°46'4.87" E	Low	
BAY-BUC-01 Residential Area in Purok 7 8°40'59.63" N 125°45'54.86" E		No reported case of flooding.
BAY-BUC-03 Residential area in Purok 7 8°40'37.24" N 125°45'45.72" E		
BAY-BUC-04 Residential area in Purok 2 8°41'38.62" N 125°45'26.42" E		
BAY-BUC-05 Residential area in Purok 2 8°42'14.54" N 125°44'50.1" E		
BAY-BUC-10 Residential area in Purok 5 8°41'47.83" N 125°45'49.72" E		
BAY-BUC-11 Residential area in Purok 4B 8°41'58.78" N 125°45'45.29" E		
BAY-BUC-12 Residential area in Purok 4B 8°42'3.96" N 125°45'52.74" E		
BAY-BUC-13 School in Purok 3 8°42'5.15" N 125°45'39.85" E		

BAY-BUC-14 Residential area in Purok 4A 8°42'14" N 125°45'33.16" E		No reported case of flooding.
BAY-BUC-17 Bucac Barangay Hall 8°41'52.26" N 125°45'46.69" E		
BAY-BUC-519 Agricultural area, Irrigation area 8°41'32.46" N 125°45'27.61" E		
<b>Barangay Cagbas</b>		
BAY-CAG-210 Along Bayugan River in Purok 1 8°42'30.9" N 125°44'21.8" E	Very High	Bayugan River draining towards Wawa River. Frequently flooded during typhoon and heavy rainfall. Highest recorded flooding was during Typhoon Agaton where floodwater reached up to 5 meters.  Recommendations: Construct dike/riprap to prevent further bank erosion. Develop an early warning device/system. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-CAG-199 Creek passing Purok 4B 8°41'31.5" N 125°43'6.4" E	High	Creek passing Purok 4B. Frequently flooded during typhoon and heavy rainfall. Highest flood recorded was during typhoon Agaton where flood water reached up to 1.8 meters high.  Recommendations: Develop an early warning device/system. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-CAG-200 Creek passing Purok 4B 8°41'33.4" N 125°43'7.8" E		
BAY-CAG-193 Barangay Hall of Barangay Cagbas 8°42'5.8" N 125°43'50.9" E	Low	No case of flooding recorded in the area. Improve drainage system to prevent future flooding.
BAY-CAG-194 Cagbas Elementary School 8°42'3.9" N 125°43'49.2" E	Low	
BAY-CAG-195 Along Highway in Purok 2 8°41'59" N 125°43'43.2" E	Low	
BAY-CAG-196 Along barangay drainage system in Purok 4A 8°41'49.9" N 125°43'30.9" E	Low	
BAY-CAG-197 Along barangay drainage system in Purok 4A 8°41'45.1" N 125°43'23.5" E	Low	

BAY-CAG-198 Along Highway in Purok 4B 8°41'42.2" N 125°43'20.4" E	Low	No case of flooding recorded in the area. Improve drainage system to prevent future flooding.
BAY-CAG-201 Purok 4A near NIA Canal 8°41'44.3" N 125°43'28.1" E	Low	
BAY-CAG-202 Purok 4A near NIA Canal/NIA road 8°41'48.9" N 125°43'33.9" E	Low	
BAY-CAG-203 Purok 4A near NIA Canal/NIA road 8°41'51.3" N 125°43'38.7" E	Low	
BAY-CAG-204 Purok 4A near NIA Canal/NIA road 8°41'49.8" N 125°43'40.5" E	Low	
BAY-CAG-205 Purok 4A near NIA Canal/NIA road 8°41'53.2" N 125°43'44.1" E	Low	
BAY-CAG-206 Purok 4A near NIA Canal/NIA road 8°41'55.9" N 125°43'48.8" E	Low	
BAY-CAG-207 Purok 2 near NIA Canal/NIA road 8°42'2" N 125°44'6.3" E	Low	
BAY-CAG-208 Purok 2 near NIA Canal/NIA road 8°42'12.7" N 125°44'14.9" E	Low	
BAY-CAG-209 Boundary between Barangay Saguma and Cagbas 8°42'20.9" N 125°44'21.5" E	Low	
BAY-CAG-211 Along Highway in Purok 2 8°42'16.7" N 125°44'6.6" E	Low	
BAY-CAG-212 Farm to market road along Purok 2 8°42'18.6" N 125°44'1.7" E	Low	

BAY-CAG-213 Farm to market road along Purok 3 8°42'19.4" N 125°43'40.4" E	Low	No case of flooding recorded in the area. Improve drainage system to prevent future flooding.
BAY-CAG-214 Farm to market road along Purok 4 8°42'18" N 125°43'29.4" E	Low	
BAY-CAG-215 Farm to market road along Purok 5 8°42'15" N 125°43'20.4" E	Low	
BAY-CAG-216 Farm to market road along Purok 6 8°42'5.1" N 125°43'12.4" E	Low	
BAY-CAG-217 Farm to market road along Purok 7 8°42'9.8" N 125°43'23.1" E	Low	
<b>Barangay Calaitan</b>		
BAY-CLT-575 Andanan River, Purok 4 8°46'12.25" N 125°46'14.05" E	Very High	Flood water level is above 2 meters during rainy season (December to February) associated mainly with Andanan River overflow.  Recommendations: Construction of important infrastructures is discouraged within the identified flooded areas. Monitor rapid rise of river water level and immediately conduct preemptive evacuation.
BAY-CLT-572 Calaitan River, Purok 1 8°46'5.77" N 125°46'28.7" E	Very High	Flood water level is above 2 meters during rainy season (December to February) associated mainly with high surface runoff and Calaitan River overflow.  Recommendation: Construction of important infrastructures is discouraged within the identified flooded areas.
BAY-CLT-573 Calaitan River, Purok 1 8°46'5.02" N 125°46'26.08" E	Very High	
BAY-CLT-574 Calaitan River, Purok 4 8°46'3.47" N 125°46'19.09" E	Very High	
BAY-CLT-576 Andanan River and residential area, Purok 4 8°46'9.77" N 125°46'15.17" E	High	Flood water level usually reaches 2 meters during rainy season (December to February) associated mainly with Andanan River overflow.  Recommendations: Construction of important infrastructures is discouraged within the identified flooded areas. Monitor rapid rise of river water level and immediately conduct preemptive evacuation.
BAY-CLT-568 Fish pond and natural depression, Purok 7 8°47'3.55" N 125°46'40.87" E	Moderate	Flood water level is usually above 0.5 meter during rainy season (December to February) associated mainly with high surface runoff.  Recommendation: Construction of important infrastructures is

		discouraged within the identified flooded areas.
BAY-CLT-571 Residential area, Purok 1 8°46'5.09" N 125°46'39" E	Low	Flood water level is usually below 0.5 meter during rainy season (December to February) associated mainly with high surface runoff and Calaitan River overflow.  Recommendation: Construction of important infrastructures is discouraged within the identified flooded areas.
BAY-CLT-499 Purok 7 along Provincial Road 8°47'18.17" N 125°47'4.45" E		No reported case of flooding.
BAY-CLT-500 Purok 3 along Provincial Road 8°45'55.87" N 125°46'23.48" E		
BAY-CLT-501 Purok 3 along Provincial Road 8°45'53.86" N 125°46'18.66" E		
BAY-CLT-558 Calaitan Brgy. Hall, residential area 8°46'11.24" N 125°46'40.58" E		
BAY-CLT-559 Along Provincial road and residential area in Purok 2 8°46'14.88" N 125°46'45.16" E		
BAY-CLT-560 Provincial road and road cut, Purok 2 8°46'19.63" N 125°46'47.39" E		
BAY-CLT-561 Provincial Road, Purok 2 8°46'28.2" N 125°46'47.5" E		
BAY-CLT-562 Provincial road and residential area, Purok 7 8°46'41.74" N 125°46'45.37" E		
BAY-CLT-563 Provincial Road, Purok 7 8°46'49.66" N 125°46'39.97" E		
BAY-CLT-564 Provincial Road, Purok 7 8°46'54.3" N 125°46'31.98" E		
BAY-CLT-565 Provincial Road, Purok 7 8°46'57.68" N 125°46'33.06" E		

BAY-CLT-566 Provincial road and residential area, Purok 7 8°47'6.11" N 125°46'50.63" E		No reported case of flooding.
BAY-CLT-567 Provincial road and residential area, Purok 8 8°47'20.22" N 125°46'51.67" E		
BAY-CLT-569 Residential area, Purok 1 8°46'8.9" N 125°46'38.39" E		
BAY-CLT-570 Residential area, Purok 6 8°46'7.93" N 125°46'37.45" E		
BAY-CLT-577 Provincial road and residential area, Purok 7 8°47'18.56" N 125°47'12.84" E		
<b>Barangay Canayugan</b>		
BAY-CNN-02 Canayugan Creek, Purok 7 8°45'47.23" N 125°43'4.73" E	Very High	Water volume of west flowing Canayugan Creek increases during perilous weather condition. There were no reported case of overflowing of the Creek.  Recommendations: Prohibit construction of houses or facilities near the river. 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.
BAY-CNN-12 Canayugan Creek, Purok 3 8°45'11.66" N 125°42'37.73" E	High	Water volume of west flowing Canayugan Creek increases during perilous weather condition. There were no reported case of overflowing of the Creek.  Recommendations: Prohibit construction of houses or facilities near the river. 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.
BAY-CNN-01 Canayugan Barangay Hall 8°45'14.58" N 125°42'59.11" E		No reported case of flooding.
BAY-CNN-03 Residential area in Purok 7 8°45'48.92" N 125°43'4.33" E		
BAY-CNN-04 Residential area in Purok 6 8°45'48.85" N 125°42'49.07" E		

BAY-CNN-05 Residential area in Purok 6 8°45'39.13" N 125°42'49.07" E		No reported case of flooding.
BAY-CNN-06 Residential area in Purok 5 8°45'29.34" N 125°42'54.58" E		
BAY-CNN-07 Residential area in Purok 4 8°45'23.33" N 125°42'57.71" E		
BAY-CNN-08 Canayugan Elementary School 8°45'17.24" N 125°42'54.36" E		
BAY-CNN-09 Residential area in Purok 3 8°45'18.07" N 125°42'57.6" E		
BAY-CNN-10 Residential area in Purok 1 8°45'12.78" N 125°43'2.71" E		
BAY-CNN-11 Residential area in Purok 2 8°45'10.37" N 125°43'4.19" E		
BAY-CNN-13 Residential area in Purok 7 8°45'49.72" N 125°43'0.26" E		
BAY-CNN-14 Residential area in Purok 6 8°45'48.6" N 125°42'53.53" E		
BAY-CNN-15 Open area in Purok 3 8°45'15.8" N 125°42'49.1" E		
BAY-CNN-16 Open area in Purok 3 8°45'12.74" N 125°42'43.16" E		
BAY-CNN-17 Residential area in Purok 6 8°45'44.68" N 125°42'48.74" E		

BAY-CNN-18 Agricultural area in Purok 1 8°45'17.35" N 125°43'8" E		No reported case of flooding.
BAY-CNN-19 Agricultural area in Purok 5 8°45'28.76" N 125°43'1.81" E		
BAY-CNN-20 Agricultural area in Purok 6 8°45'38.66" N 125°42'57.31" E		
<b>Barangay Charito</b>		
BAY-CHA-52 Culvert/Labao Creek, Sitio Azucena 8°39'52.8" N 125°45'29.8" E	Very High	Culvert was destroyed during Typhoon Agaton. Scouring of bank is active. Area is inaccessible during flooding.  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. Discourage future settlement adjacent to the area. Relocation of residents living near the area is highly recommended.
BAY-CHA-47 Labao Creek 8°39'41.2" N 125°45'13.1" E	High	Labao Creek frequently flooded up to 1.8 meters high. Bank erosion is active.  Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Discourage future settlement adjacent to the area.
BAY-CHA-63 Labao Creek, Purok 7 8°39'9.1" N 125°44'15.9" E	High	Labao Creek is frequently flooded during heavy rainfall. Flood water worsens during release of water from NIA canal. Flood height reaches up to 1.8 meters. Area serves as boundary of Barangay Charito and Municipality of Ezperanza.  Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-CHA-66 Mahabo Creek, Purok 6 8°40'8.5" N 125°45'8.7" E	High	Mahabo Creek frequently flooded during heavy rainfall. Flood water worsens during release of water from NIA canal. Flood height reaches up to 1.5 meters.  Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Discourage future settlement adjacent to the area.
BAY-CHA-65 Mahabo Creek, Purok 6 8°40'1.5" N 125°45'9.3" E	High	Mahabo Creek frequently flooded during heavy rainfall. Flood water worsen during release of water from NIA canal.  Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Discourage future settlement adjacent to the area.
BAY-CHA-48 Purok 2 proper 8°39'37.1" N 125°45'21.7" E	Moderate	Purok 2 proper is frequently flooded during heavy rainfall. Flood water comes from rice paddies.  Recommendation: Monitor for warnings from NIA authorities

BAY-CHA-49 Purok 2 proper 8°39'33.2" N 125°45'21.8" E		during schedule of water release from NIA.
BAY-CHA-55 Purok 8 proper 8°40'18" N 125°45'43" E	Low	Houses in Purok 8 proper are located on a higher elevation compared to adjacent rice paddies.
BAY-CHA-57 Purok 8 proper 8°40'26" N 125°45'43.7" E		Recommendation: Monitor for warnings from NIA authorities during schedule of water release from NIA.
BAY-CHA-59 NIA road to Purok proper 8°39'42.7" N 125°45'3.5" E	Low	NIA road to Purok proper is elevated compared to adjacent rice paddies.  Recommendation: Monitor for warnings from NIA authorities during schedule of water release from NIA.
BAY-CHA-60 NIA road to Purok proper 8°39'34.9" N 125°44'53.1" E	Low	
BAY-CHA-67 NIA road to Purok proper 8°40'13.9" N 125°45'2.6" E	Low	
BAY-CHA-50 NIA road/open fields, Sitio Mahayag 8°39'48.9" N 125°45'20.4" E	Low	NIA road/open fields. Area is elevated compared to adjacent rice field areas.  Recommendation: Monitor for warnings from NIA authorities during schedule of water release from NIA.
BAY-CHA-53 NIA road/open fields, Sitio Azucena 8°39'58.9" N 125°45'34.6" E	Low	
BAY-CHA-54 NIA road/open fields, Sitio Azucena 8°40'6" N 125°45'40.7" E	Low	
BAY-CHA-45 Charito Elementary School 8°39'52.1" N 125°45'8.9" E	Low	No case of flooding recorded. Improve drainage system to prevent future flooding.
BAY-CHA-46 Barangay Hall of Charito 8°39'50.4" N 125°45'7.9" E	Low	
BAY-CHA-58 Purok 1 proper 8°39'46.5" N 125°45'12.3" E	Low	
BAY-CHA-61 Purok 5 proper 8°39'34.8" N 125°44'36.5" E	Low	No flooding recorded except on rice field areas.  Recommendation: Monitor for warnings from NIA authorities during schedule of water release from NIA.
BAY-CHA-62 Purok 7 proper 8°39'18.1" N 125°44'20.6" E	Low	Purok 7 proper is flooded up to 0.4 m due to NIA canal overflow during heavy rainfall and release of water from NIA canal.  Recommendation: Monitor for warnings from NIA authorities

		during schedule of water release from NIA.
<b>Barangay Claro Cortez</b>		
BAY-CTZ-15 Residential area in Purok 5 8°45'58.6" N 125°43'53.3" E	Moderate	Area is prone to flooding and flashfloods due to poor/clogged drainage.  Recommendations: Implement flood control measures. Perform regular declogging of the creek.
BAY-CTZ-01 Residential area in Purok 2 8°45'32.3" N 125°43'41.3" E	Moderate	
BAY-CTZ-02 Residential area in Purok 3 8°45'44.8" N 125°43'41.4" E	Moderate	
BAY-CTZ-03 Residential area in Purok 3 8°45'57.2" N 125°43'44" E	Moderate	
BAY-CTZ-04 Residential area in Purok 5 8°45'58.69" N 125°43'58.32" E	Low	Area has low susceptibility to flooding and flashfloods due to poor/clogged drainage.  Recommendations: Implement flood control measures. Perform regular declogging of the creek.
BAY-CTZ-04 Residential area in Purok 5 8°46'10.87" N 125°44'4.51" E	Low	
BAY-CTZ-04 Residential area in Purok 5 8°46'9.3" N 125°43'59.61" E	Low	
BAY-CTZ-04 Residential area in Purok 5 8°46'9.94" N 125°44'2.67" E	Low	
BAY-CTZ-04 Residential area in Purok 6 8°46'8.7" N 125°43'52.7" E	Low	
BAY-CTZ-05 Residential area in Purok 6 8°46'11.8" N 125°43'50.8" E	Low	
BAY-CTZ-06 Residential and agricultural area in Purok 7 8°46'12.6" N 125°43'53.8" E	Low	

BAY-CTZ-06 Residential area in Purok 6 8°46'7.39" N 125°43'55.12" E	Low	Area has low susceptibility to flooding and flashfloods due to poor/clogged drainage.  Recommendations: Implement flood control measures. Perform regular declogging of the creek.
BAY-CTZ-06 Residential area in Purok 6 8°46'7.4" N 125°43'55.12" E	Low	
BAY-CTZ-07 Residential and agricultural area in Purok 6 8°45'57.3" N 125°43'45" E	Low	
BAY-CTZ-08 Residential area in Purok 3 8°45'57.3" N 125°43'43.5" E	Low	
BAY-CTZ-09 Residential area in Purok 3 8°45'57.3" N 125°43'42.5" E	Low	
BAY-CTZ-10 Residential area in Purok 3 8°45'57.3" N 125°43'42" E	Low	
BAY-CTZ-11 Residential area in Purok 3 8°45'57.2" N 125°43'41.5" E	Low	
BAY-CTZ-13 Residential area in Purok 3 8°45'57.1" N 125°43'41.4" E	Low	
BAY-CTZ-14 Residential area in Purok 3 8°45'51.8" N 125°43'41.4" E	Low	
BAY-CTZ-16 Residential and agricultural area in Purok 7 8°46'15.5" N 125°44'1.2" E		
BAY-CTZ-17 Residential and agricultural area in Purok 7 8°46'12.9" N 125°43'52.6" E		
BAY-CTZ-18 Residential and agricultural area in Purok 4 8°45'57.2" N 125°43'46.1" E		

BAY-CTZ-19 Residential and agricultural area in Purok 4 8°45'57.3" N 125°43'44.9" E		No reported case of flooding.
BAY-CTZ-20 Residential area in Purok 2 8°45'38.1" N 125°43'41.3" E		
BAY-CTZ-21 Residential area in Purok 1 8°45'23.4" N 125°43'41.6" E		
BAY-CTZ-22 Residential area in Purok 1 8°45'19.6" N 125°43'41.7" E		
BAY-CTZ-23 Residential area in Purok 2 8°45'4.6" N 125°43'41.5" E		
<b>Barangay Fili</b>		
BAY-FIL-02 Residential area in Purok 12 8°42'35.9" N 125°45'57.4" E	High	Area is prone to flooding and flashfloods due to clogged drainage.  Recommendations: Implement flood control measures. Install better drainage system. Develop an early warning system such as warning/information signage and conduct IECs. Strict implementation of proper garbage disposal. Construction of houses along creek/river banks should be monitored and prohibited/discouraged.
BAY-FIL-03 Residential area in Purok 12 8°42'34.4" N 125°45'57.6" E	High	
BAY-FIL-04 Residential area in Purok 12 8°42'33.5" N 125°45'57.4" E	High	
BAY-FIL-05 Residential Area in Purok 12 8°42'33.2" N 125°45'59.1" E	High	Area is prone to flooding and flashfloods due to clogged drainage.  Recommendations: Implement flood control measures. Perform regular dredging/declogging of the creek.
BAY-FIL-14 Residential area in Purok 3 8°42'50.3" N 125°46'10.9" E	High	
BAY-FIL-16 Residential and agricultural area in Purok 5 8°43'23.6" N 125°46'26.9" E	High	
BAY-FIL-08 Residential and agricultural area in Purok 6	High	

8°42'45.2" N 125°46'9.2" E		banks should be monitored and prohibited/discouraged.
BAY-FIL-20 Along the road in Purok 11 8°43'1.8" N 125°46'23.7" E	Moderate	Area is prone to flashfloods. The flooding is due to the shallow canals filled with soil materials.  Recommendation: Implement regular dredging and de-clogging of drainage system.
BAY-FIL-15 Residential area in Purok 11 8°42'54.3" N 125°46'19.3" E	Moderate	Area is prone to flooding and flashfloods due to clogged drainage.  Recommendations: Implement flood control measures. Perform regular dredging/declogging of the creek.
BAY-FIL-27 Residential area in Purok 4 8°42'53.7" N 125°45'53.3" E	Moderate	Area is prone to flooding and sheet floods due to clogged and lack of drainage.  Recommendation: Implement flood control measures.
BAY-FIL-28 Residential area in Purok 4 8°42'49.6" N 125°45'57.1" E		
BAY-FIL-11 Residential area in Purok 2 8°42'37.3" N 125°46'18.6" E	Moderate	The area is prone to flooding and sheet floods during heavy rains.  Recommendation: Construct proper irrigation and drainage system.
BAY-FIL-10 Residential area in Purok 2 8°42'42.8" N 125°46'18.1" E	Moderate	The area is prone to sheet floods during heavy rains.  Recommendation: Construct proper drainage system.
BAY-FIL-07 Residential and agricultural area in Purok 6 8°42'42.2" N 125°46'5.5" E	Moderate	The area is susceptible to flash floods and sheet floods during heavy rains. Strong erosion/scouring of river banks and abundant sediment and debris load have been observed along river.  Recommendations: Consider desiltation of river channel. Develop an early warning system such as warning/information signage and conduct IECs. Constant communication and updates with Brgy. Fili on geohazard situation.
BAY-FIL-06 Residential Area in Purok 12 8°42'35" N 125°45'59.6" E	Low	Area is prone to flooding and flashfloods due to clogged drainage.  Recommendations: Implement flood control measures. Perform regular dredging/declogging of the creek.
BAY-FIL-01 Fili Barangay Hall 8°42'39.4" N 125°46'5" E	Low	No recorded flooding in the area. Improve drainage system to prevent flooding.
BAY-FIL-17 Residential and agricultural area in Purok 5 8°43'29.6" N 125°46'36.1" E	Low	No reported case of flooding. Improve drainage system to prevent flooding.
BAY-FIL-18 Residential and agricultural area in Purok 5 8°43'31" N 125°46'36.6" E	Low	

BAY-FIL-19 Along the road in Purok 5 8°43'16" N 125°46'25.8" E	Low	No reported case of flooding. Improve drainage system to prevent flooding.
BAY-FIL-21 Along the road in Purok 9 8°42'48.5" N 125°46'15.4" E	Low	
BAY-FIL-22 Along the road in Purok 9 8°42'44.9" N 125°46'14.9" E	Low	
BAY-FIL-23 Along the road in Purok 6 8°42'45" N 125°46'4.5" E	Low	Sheet floods occur during heavy rain. Recommendation: Improve drainage system to prevent flooding
BAY-FIL-24 Residential area in Purok 1 8°42'44.3" N 125°45'58.9" E	Low	
BAY-FIL-25 Residential area in Purok 1 8°42'44.7" N 125°45'57" E	Low	
BAY-FIL-26 Residential area in Purok 1 8°42'43.5" N 125°45'57" E	Low	
BAY-FIL-09 Residential area in Purok 2 8°42'44.5" N 125°46'19.4" E		No reported case of flooding.
BAY-FIL-29 Residential area in Purok 3 8°42'47.6" N 125°46'1.8" E		
BAY-FIL-12 Residential and agricultural area in Purok 9 8°42'49.8" N 125°46'12.8" E		
BAY-FIL-13 Residential and agricultural area in Purok 9 8°42'49.9" N 125°46'12.4" E		
<b>Barangay Gamao</b>		
BAY-GAM-38 Mahabo Creek, Purok 5 8°39'14.8" N 125°43'29.3" E	Very High	Mahabo Creek with NIA dam. Frequently flooded during heavy rainfall. Situation is worsen when water from NIA canal is released to avoid canal overflow.  Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Monitor for warnings from NIA

		authorities during schedule of water release from NIA dam. Discourage future settlement along this area.
BAY-GAM-41 Sagumpaitan Creek, Purok 3 8°39'54.4" N 125°43'13.7" E	Very High	Sagumpaitan Creek. Creek serves as boundary between Sitio Bingay of Salvacion and Barangay Gamao.  Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Monitor for warnings from NIA authorities during schedule of water release from NIA dam. Discourage future settlement along this area.
BAY-GAM-32 Mahabo Creek, Purok 1 8°39'49.2" N 125°44'28.5" E	High	Mahabo Creek frequently flooded up to 2.0 meters high. Flood water worsen by water from NIA canal.  Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Monitor for warnings from NIA authorities during schedule of water release from NIA dam. Discourage future settlement along this area.
BAY-GAM-36 Mahabo Creek, Purok 2 8°39'25.8" N 125°44'1.5" E	High	Mahabo Creek. Width of creek is approximately 10 meters. Flood water worsen by water from NIA canal.  Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Monitor for warnings from NIA authorities during schedule of water release from NIA dam. Discourage future settlement along this area.
BAY-GAM-30 Rice field area/Open fields, Purok 1 8°39'54.7" N 125°44'18.9" E	Moderate	Rice field area/open field frequently flooded up to 1 meter high.  Recommendations: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Monitor for warnings from NIA authorities during schedule of water release from NIA dam. Discourage future settlement along this area.
BAY-GAM-31 Rice field area/Open fields, Purok 1 8°39'54.4" N 125°44'28.3" E		
BAY-GAM-35 NIA road/Open fields, Purok 2 8°39'46" N 125°44'1.8" E	Low	NIA road/open fields. Road elevated with respect to rice paddies.
BAY-GAM-39 NIA road/Open fields, Purok 5 8°39'11.8" N 125°43'33.3" E	Low	
BAY-GAM-40 NIA road/Open fields, Purok 3 8°39'55" N 125°43'50.5" E	Low	
BAY-GAM-43 NIA road/Open fields, Purok 2 8°40'21.2" N 125°44'35.3" E	Low	

BAY-GAM-44 NIA road/Open fields, Purok 4 8°40'21.3" N 125°44'47.4" E	Low	NIA road/open fields. Road elevated with respect to rice paddies.
BAY-GAM-68 NIA road/Open fields, Purok 5 8°39'6.35" N 125°44'11.14" E	Low	
BAY-GAM-69 NIA road/Open fields, Purok 5 8°39'13.76" N 125°43'57.03" E	Low	
BAY-GAM-70 NIA road/Open fields, Purok 3 8°39'50.7" N 125°43'39.08" E	Low	
BAY-GAM-71 NIA road/Open fields, Purok 5 8°40'0.56" N 125°44'16.26" E	Low	
BAY-GAM-72 NIA road/Open fields, Purok 5 8°39'21.1" N 125°44'32.72" E	Low	
BAY-GAM-42 Purok 2 Proper 8°40'11.6" N 125°44'16" E	Low	Purok 2 Proper. No flooding recorded. Area is elevated with respect to adjacent areas.
BAY-GAM-29 Barangay Hall of Barangay Gamao 8°39'54.1" N 125°44'15.4" E		No reported case of flooding.
BAY-GAM-33 Gamao Elementary School 8°39'55.7" N 125°44'15.1" E		
BAY-GAM-34 Purok 2 Proper 8°39'54.3" N 125°44'6.5" E		
<b>Barangay Getsemane</b>		
BAY-GTH-993 Sianib River, Purok 1 8°45'27.7" N 125°50'31.6" E	Very High	Worst flooding in Sianib River occurs in the months of December to February. Flood level reaches as high as 2 meters.  Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
BAY-GTH-1003 Kahuli Creek, Purok 6 8°46'1.3" N 125°50'16.5" E	High	Flooding in Kahuli Creek restricted only along its river channel.  Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased

		turbidity (soil/rock content).
BAY-GTH-992 Purok 1 near Sianib River 8°45'27.8" N 125°50'31.6" E	High	Flooding in the area is due to the overflowing of Sianib River. Frequent flooding in the barangay proper is experienced in the months of December to January.  Recommendations: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Pre-emptive evacuation of the residences near Sianib River is recommended.
BAY-GTH-999 Purok boundary between 5 and 6 8°45'50.1" N 125°50'22.8" E	High	Flooding in this creek is restricted only along its river channel. This creek also serves as Purok boundary between Purok 5 and 6.  Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
BAY-GTH-991 Purok 1 near Sianib River 8°45'27.6" N 125°50'31.5" E	Moderate	Flooding in the area is due to the overflowing of Sianib River. Frequent flooding in the barangay proper is experienced in the months of December to January.  Recommendations: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Pre-emptive evacuation of the residences near Sianib River is recommended.
BAY-GTH-1000 Along the trail in Purok 6 8°45'54.1" N 125°50'23" E		No reported case of flooding.
BAY-GTH-1001 Along the trail in Purok 6 8°46'0.5" N 125°50'19" E		
BAY-GTH-1002 Purok 6 waiting shed 8°46'2" N 125°50'16.6" E		
BAY-GTH-1004 Purok 6 near Kahuli Creek 8°46'1.3" N 125°50'16.4" E		
BAY-GTH-1005 Getsemene Elementary School 8°45'29.8" N 125°50'27.3" E		
BAY-GTH-1006 Purok 1 near Getsemene Elementary School 8°45'29.2" N 125°50'27.7" E		
BAY-GTH-1007 Purok 1 waiting shed 8°45'27.9" N 125°50'29.5" E		
BAY-GTH-1008 Getsemene Barangay Hall 8°45'27.5" N 125°50'29.4" E		

BAY-GTH-1009 Getsemane Health Center 8°45'26.6" N 125°50'29" E		No reported case of flooding.
BAY-GTH-1010 Along the dirt road in Purok 1 8°45'12.1" N 125°50'36.9" E		
BAY-GTH-1011 Along the dirt road in Purok 4 8°45'0.5" N 125°50'27" E		
BAY-GTH-1012 Purok 4 waiting shed 8°44'52.5" N 125°50'24" E		
BAY-GTH-1013 Along the dirt road in Purok 2 8°44'47.5" N 125°50'20.1" E		
BAY-GTH-1014 Purok 2 proper 8°44'45" N 125°50'17.8" E		
BAY-GTH-1015 Purok 3 proper 8°45'23.7" N 125°50'0.7" E		
BAY-GTH-1016 Along the trail going to Purok 3 8°45'20.5" N 125°50'54.2" E		
BAY-GTH-1017 Purok 2 proper 8°44'44.56" N 125°50'32.68" E		
BAY-GTH-990 Purok 1 along the trail 8°45'27.6" N 125°50'31.4" E		
BAY-GTH-994 Purok 7 waiting shed 8°45'28.2" N 125°50'32.6" E		
BAY-GTH-995 Along the trail going to Purok 5 8°45'33" N 125°50'28.4" E		
BAY-GTH-996 Along the trail going to Purok 5 8°45'37.8" N 125°50'28.1" E		

BAY-GTH-997 Purok 5 waiting shed 8°45'42.7" N 125°50'26.3" E		No reported case of flooding.
BAY-GTH-998 Purok 5 along the trail 8°45'46.2" N 125°50'24.3" E		
<b>Barangay Grace Estate</b>		
BAY-GST-01 Residential area in Purok 2 8°43'57.4" N 125°49'56.1" E	Low	Area is prone to sheet floods due to poor/clogged drainage.  Recommendations: Implement flood control measures. Perform regular declogging of the creek.
BAY-GST-02 Residential area in Purok 2 8°43'57.6" N 125°49'56.1" E	Low	
BAY-GST-07 Residential area in Purok 3 8°42'55.1" N 125°49'35" E	Low	
BAY-GST-08 Residential area in Purok 8 8°43'33.5" N 125°49'24.4" E	Low	
BAY-GST-03 Residential area in Purok 5 8°43'57" N 125°50'7.9" E		No reported case of flooding.
BAY-GST-04 Residential area in Purok 1 8°42'55.7" N 125°49'1.1" E		
BAY-GST-05 Residential area in Purok 4 8°42'55.5" N 125°49'35.1" E		
BAY-GST-06 Residential and agricultural area in Purok 6 8°42'55" N 125°49'35.1" E		
<b>Barangay Hamogaway</b>		
BAY-HMG-593 Maytibog River in Purok 3 8°42'37.94" N 125°47'34.19" E	Very High	Observation point is located along Maytibog River bank. Flood water level is usually above 2 meters during rainy season (December to February). Rapid bank erosion/scouring is active along river bend.
BAY-HMG-594 Maytibog River in Purok 3 8°42'32.9" N 125°47'31.96" E	Very High	Recommendations: Important infrastructures must not be constructed within the flood prone areas. Observe for rapid rise of river water level and conduct pre-emptive evacuation when necessary. Identify safe evacuation site. Avoid crossing the
BAY-HMG-595	Very High	

Maytibog River in Purok 3 8°42'34.74" N 125°47'32.35" E		river when flooded. Dike provision maybe considered to mitigate rapid bank erosion provided detailed engineering geological assessment is recommended.
BAY-HMG-596 Maytibog River in Purok 3 8°42'35.64" N 125°47'33.29" E	Very High	
BAY-HMG-597 Maytibog River in Purok 1 8°42'39.78" N 125°47'32.17" E	Very High	
BAY-HMG-602 Maytibog River in Purok 4B 8°42'51.59" N 125°47'37.18" E	Very High	<p>Observation point is located along Maytibog River bank. Flood water level is usually above 2 meters during rainy season (December to February).</p> <p>Recommendations: Important infrastructures must not be constructed within the flood prone areas. Observe for rapid rise of river water level and conduct pre-emptive evacuation when necessary. Identify safe evacuation site. Avoid crossing the river when flooded. Dike provision maybe considered to mitigate rapid bank erosion provided detailed engineering geological assessment is recommended.</p>
BAY-HMG-580 Maytibog River , Purok 5 8°42'43.78" N 125°47'38.18" E	Very High	<p>Observation point is located along Maytibog River flood plain. Flood water level is usually above 2 meters during rainy season (December to February). Rapid bank erosion/scouring is active along river bend.</p>
BAY-HMG-592 Maytibog River in Purok 3 8°42'39.56" N 125°47'33.36" E		<p>Recommendations: Important infrastructures must not be constructed within the flood prone areas. Observe for rapid rise of river water level and conduct pre-emptive evacuation when necessary. Identify safe evacuation site. Avoid crossing the river when flooded. Dike provision maybe considered to mitigate rapid bank erosion provided detailed engineering geological assessment is recommended.</p>
BAY-HMG-604 Maytibog River in Purok 4B, Purok 6 8°42'53.68" N 125°47'40.42" E	Very High	<p>Observation point is located along Maytibog River. Flood water level is usually above 2 meters during rainy season (December to February).</p>
BAY-HMG-605 Bayugan River in Purok 4B 8°42'59.26" N 125°47'34.19" E	Very High	<p>Recommendations: Important infrastructures must not be constructed within the flood prone areas. Observe for rapid rise of river water level and conduct pre-emptive evacuation when necessary. Identify safe evacuation site. Avoid crossing the river when flooded. Dike provision maybe considered to mitigate rapid bank erosion provided detailed engineering geological assessment is recommended.</p>
BAY-HMG-606 Bayugan River, Bridge in Purok 2 8°42'45.72" N 125°47'28.75" E	Very High	<p>Recommendations: Important infrastructures must not be constructed within the flood prone areas. Observe for rapid rise of river water level and conduct pre-emptive evacuation when necessary. Identify safe evacuation site. Avoid crossing the river when flooded. Dike provision maybe considered to mitigate rapid bank erosion provided detailed engineering geological assessment is recommended.</p>
BAY-HMG-581 Hamogaway Elementary School 8°42'43.45" N 125°47'36.56" E	Moderate	<p>Observation point is located within Hamogaway Elementary School area. Flood water level usually reaches 1 meter during rainy season (December to February).</p> <p>Recommendations: Construction of important infrastructures within the area must consider building engineering design to address the flood related hazards. Monitor from adjoining puroks located near Maytibog and Bayugan rivers for rapid rise of river water level and conduct pre-emptive evacuation when necessary. Identify safe evacuation site.</p>

<p>BAY-HMG-579 Hamogaway Brgy. Hall, residential area in Purok 4A 8°42'46.98" N 125°47'34.4" E</p>	<p>Moderate</p>	<p>Observation point is located within residential area. Flood water level usually reaches 1 meter during rainy season (December to February) associated with Bayugan and Maytibog river overflow.</p> <p>Recommendations: Construction of important infrastructures must consider building engineering design to address the flood related hazards. Monitor from adjoining puroks located near Maytibog and Bayugan rivers for rapid rise of river water level and conduct pre-emptive evacuation when necessary. Identify safe evacuation site.</p>
<p>BAY-HMG-598 Residential area in Purok 1 8°42'42.08" N 125°47'32.86" E</p>	<p>Moderate</p>	<p>Observation point is located within the residential area. Flood water level usually reaches 1 meter during rainy season (December to February) associated with Bayugan and Maytibog river overflow.</p> <p>Recommendations: Construction of important infrastructures must consider building engineering design to address the flood related hazards. Monitor from adjoining puroks located near Maytibog and Bayugan rivers for rapid rise of river water level and conduct pre-emptive evacuation when necessary. Identify safe evacuation site.</p>
<p>BAY-HMG-599 Residential area in Purok 4A 8°42'45.11" N 125°47'34.51" E</p>	<p>Moderate</p>	
<p>BAY-HMG-600 Residential area in Purok 4B 8°42'49.72" N 125°47'34.55" E</p>	<p>Moderate</p>	
<p>BAY-HMG-601 Agricultural area in Purok 4B 8°42'52.27" N 125°47'36.38" E</p>	<p>Moderate</p>	
<p>BAY-HMG-582 Maharlika Highway in Purok 6 8°42'42.98" N 125°47'41.64" E</p>		
<p>BAY-HMG-583 Maharlika Highway in Purok 8 8°42'36.32" N 125°47'49.88" E</p>		<p>No reported case of flooding.</p>
<p>BAY-HMG-584 Maharlika Highway, residential area in Purok 8 NE Purok 7 SW 8°42'29.38" N 125°47'59.39" E</p>		
<p>BAY-HMG-585 Maharlika Highway, road cut in Purok 8 NE Purok 7 SW 8°42'28.94" N 125°48'3.64" E</p>		
<p>BAY-HMG-586 Maharlika Highway, road cut in Purok 8 NE Purok 7 SW 8°42'25.24" N 125°48'8.96" E</p>		

BAY-HMG-587 Maharlika Highway, road cut in Purok 9 8°42'24.3" N 125°48'14.72" E		
BAY-HMG-588 Maharlika Highway, road cut in Purok 9 8°42'22.39" N 125°48'18.97" E		
BAY-HMG-589 Maharlika Highway, road cut in Purok 9 8°42'19.19" N 125°48'40.14" E		
BAY-HMG-590 Maharlika Highway, road cut in Purok 9 8°42'22.75" N 125°48'28.4" E		
BAY-HMG-591 Residential area in Purok 3 8°42'41.62" N 125°47'34.84" E		
BAY-HMG-603 Residential area in Purok 4B 8°42'56.84" N 125°47'38.11" E		
BAY-HMG-607 Maharlika Highway in Purok 1 8°42'46.15" N 125°47'26.48" E		
<b>Barangay Katipunan</b>		
BAY-KPN-258 Residential and Agricultural area in Purok 9 8°36'21.8" N 125°48'43.3" E	Very High	Located on a flat terrain and has very high susceptibility to flooding.  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). Residents must evacuate at the multipurpose hall during extreme weather condition.
BAY-KPN-259 Residential and Agricultural area in Purok 9 8°36'21.2" N 125°48'43.9" E	Very High	
BAY-KPN-260 Residential and Agricultural area in Purok 9 8°36'21.2" N 125°48'45.5" E	Very High	

BAY-KPN-261 Residential and Agricultural area in Purok 9 8°36'21.9" N 125°48'49.4" E	Very High	<p>Located on a flat terrain and has very high susceptibility to flooding.</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). Residents must evacuate at the multipurpose hall during extreme weather condition.</p>
BAY-KPN-262 Residential and Agricultural area in Purok 9 8°36'26.1" N 125°48'47.4" E	Very High	
BAY-KPN-263 Residential and Agricultural area in Purok 9 8°36'26.3" N 125°48'47.3" E	Very High	
BAY-KPN-264 Residential and Agricultural area in Purok 9 8°36'26.3" N 125°48'47.3" E	Very High	
BAY-KPN-256 Katipunan Barangay hall 8°37'42.1" N 125°48'20.7" E		<p>No reported case of flooding.</p>
BAY-KPN-257 Residential and Agricultural area in Purok 7 8°37'0.8" N 125°48'2.7" E		
BAY-KPN-265 Barangay road along Cliff in Purok 9 8°36'28.2" N 125°48'44.4" E		
BAY-KPN-266 Barangay road along Cliff in Purok 9 8°36'28.7" N 125°48'41.2" E		
BAY-KPN-267 Barangay road along Cliff in Purok 9 8°36'29.8" N 125°48'35.8" E		
BAY-KPN-268 Barangay road along Cliff in Purok 9 8°36'31.8" N 125°48'33.2" E		
BAY-KPN-269 Barangay road along Cliff in Purok 9 8°36'37.6" N 125°48'19" E		

BAY-KPN-270 Residential Area in Purok 7 8°37'4.7" N 125°48'2.5" E		No reported case of flooding.
BAY-KPN-271 Residential Area in Purok 7 8°37'10.9" N 125°48'2.5" E		
BAY-KPN-272 Residential Area in Purok 7 8°37'20.3" N 125°48'4.4" E		
BAY-KPN-273 Residential Area in Purok 7 8°37'25.1" N 125°48'6" E		
BAY-KPN-274 Residential Area in Purok 7 8°37'31.7" N 125°48'13.4" E		
BAY-KPN-275 Katipunan Elementary School 8°37'35.8" N 125°48'20.1" E		
BAY-KPN-276 Residential Area in Purok 3 8°37'40.6" N 125°48'20.3" E		
BAY-KPN-277 Residential Area in Purok 3 8°37'42.6" N 125°48'20.1" E		
BAY-KPN-278 Settlements Near Cliff in Purok 1 8°37'34" N 125°48'22.8" E		
BAY-KPN-279 Residential Area in Purok 2 8°37'39.5" N 125°48'20.3" E		
BAY-KPN-280 Residential Area in Purok 10 8°37'44.8" N 125°48'22.9" E		
BAY-KPN-281 Settlements Near Cliff in Purok 10 8°37'48.1" N 125°48'25.2" E		

BAY-KPN-282 Residential Area in Purok 6 8°37'50.1" N 125°48'17.1" E		No reported case of flooding.
BAY-KPN-283 Residential Area in Purok 4 8°37'50" N 125°48'16.9" E		
BAY-KPN-284 Residential Area in Purok 5 8°37'49.1" N 125°48'19.3" E		
BAY-KPN-285 Residential Area in Purok 8 8°38'39.4" N 125°47'48" E		
<b>Barangay Mabuhay</b>		
BAY-MBH-1084 Mabuhay Creek in Purok 1 8°46'4.8" N 125°42'41.9" E	Very High	Channelized flooding in Mabuhay Creek is usually experienced 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).
BAY-MBH-1078 Along the road in Purok 3 8°46'5.8" N 125°42'9.8" E	Very High	River channel has become shallow due to fast siltation and caused frequent flooding in the area especially in the months of December to February.  Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Observe for rapid increase/decrease in Wawa river water level, possibly accompanied by increased turbidity (soil/rock content).
BAY-MBH-06 Agricultural Area in Purok 4 8°46'23.4" N 125°42'28.9" 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.
BAY-MBH-07 Agricultural Area in Purok 4 8°46'24.1" N 125°42'29.1" E	High	
BAY-MBH-08 Agricultural Area in Purok 4 8°46'24.5" N 125°42'29.3" E	High	
BAY-MBH-09 Agricultural Area in Purok 4 8°46'26" N 125°42'29" E	High	
BAY-MBH-1077 Along the road in Purok 3 8°46'5.8" N	High	

125°42'11.3" E		Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Observe for rapid increase/decrease in Wawa river water level, possibly accompanied by increased turbidity (soil/rock content).	
BAY-MBH-11 Residential area in Purok 1 8°46'4.8" N 125°42'41.9" E	Moderate	Localized flooding was reported in this particular area. The flooding is due to lack of canals along the road/within the Purok.  Recommendations: Improve drainage system. Install appropriate drainage canals along the road (in applicable areas) to manage water run-off.	
BAY-MBH-1076 Along the road in Purok 3 8°46'5.9" N 125°42'11.9" E	Moderate	Sheet flooding in the area is due to the overflowing of Wawa River. Frequent flooding is usually experienced in the months of December to February.  Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Observe for rapid increase/decrease in Wawa river water level, possibly accompanied by increased turbidity (soil/rock content).	
BAY-MBH-01 Residential area in Purok 2 8°46'10.4" N 125°42'42.7" E	Low	Sheet floods occur during heavy rains.  Recommendation: Improve drainage system to prevent flooding.	
BAY-MBH-02 Residential area in Purok 4 8°46'26" N 125°42'42.6" E	Low		
BAY-MBH-03 Residential area in Purok 4 8°46'26.5" N 125°42'41.1" E	Low		
BAY-MBH-04 Residential area in Purok 4 8°46'26.6" N 125°42'40.4" E	Low		
BAY-MBH-05 Residential area in Purok 4 8°46'20.9" N 125°42'42.5" E	Low		
BAY-MBH-10 Residential area in Purok 3 8°46'7.1" N 125°42'29.9" E	Low		
BAY-MBH-1074 Wawa River in Purok 3 8°46'6.1" N 125°42'8.5" E			No reported case of flooding.

BAY-MBH-1075 Residences in Purok 3 in Purok 3 8°46'6" N 125°42'12.6" E		No reported case of flooding.
BAY-MBH-1079 Along the road in Purok 3 8°46'0.5" N 125°42'16.1" E		
BAY-MBH-1080 Purok 3 waiting shed 8°46'1.7" N 125°42'24.2" E		
BAY-MBH-1081 Along the barangay road in Purok 3 8°46'3.9" N 125°42'35.9" E		
BAY-MBH-1082 Along the barangay road in Purok 3 8°46'4.8" N 125°42'41.9" E		
BAY-MBH-1083 Along the barangay road in Purok 1 8°46'4.9" N 125°42'42.2" E		
BAY-MBH-1085 Previous Purok 1 waiting shed 8°45'49.3" N 125°42'49.5" E		
BAY-MBH-1086 Purok 1 waiting shed 8°46'5.8" N 125°42'45" E		
BAY-MBH-1087 Mabuhay Barangay Hall 8°46'10.4" N 125°42'42.6" E		
<b>Barangay Magkiangkang</b>		
BAY-MGK-08 Along the road, residential area in Purok 7 8°43'18.72" N 125°49'37.3" E	Moderate	Area is prone to flooding and flashfloods due to poor/clogged drainage.  Recommendations: Implement flood control measures. Perform regular declogging of the creek.
BAY-MGK-09 Along the road, residential area in Purok 8 8°43'24.31" N 125°49'33.86" E		
BAY-MGK-06 Along the road, residential area in Purok 4 8°42'55.5" N 125°49'35.1" E	Moderate	Area is prone to flooding and sheet floods due to poor/clogged drainage.  Recommendations: Implement flood control measures and good drainage system. Perform regular declogging of the creek.

BAY-MGK-1029 Along the barangay road in Purok 11 8°43'14.3" N 125°49'53.5" E	Low	Flooding in the area is due to the overflowing of nearby canal along the road. Another reason for flooding in the area is probably because of the overflowing of subterranean stream.
BAY-MGK-1030 Along the barangay road in Purok 11 8°43'14" N 125°49'54.1" E		Recommendation: Installation/improvement of drainage system will minimize the flooding caused by the overflowing of nearby canal.
BAY-MGK-1023 Purok 16 waiting shed 8°43'29.7" N 125°50'22.5" E	Low	Sheet flooding is due to the overflowing of nearby creek in the area.  Recommendation: Installation/improvement of drainage system will minimize the flooding caused by the overflowing of nearby canal.
BAY-MGK-01 Residential area in Purok 1 8°42'55.7" N 125°49'1.1" E		No reported case of flooding.
BAY-MGK-02 Agriculture, along the trail in Purok 1 8°42'51.66" N 125°49'5.99" E		
BAY-MGK-03 Agriculture, along the trail in Purok 1 8°42'47.08" N 125°49'10.07" E		
BAY-MGK-04 Along the road in Purok 2 8°42'59.94" N 125°49'22.34" E		
BAY-MGK-05 Road, Agriculture in Purok 3 8°43'1.73" N 125°49'31.06" E		
BAY-MGK-07 Residential area in Purok 6 8°43'10.29" N 125°49'36.03" E		
BAY-MGK-10 Agriculture, along the trail in Purok 8 8°43'27.04" N 125°49'31.81" E		
BAY-MGK-1019 Purok 15 waiting shed 8°43'12.4" N 125°50'48.1" E		
BAY-MGK-1020 Along the barangay road in Purok 16 8°43'5.3" N 125°50'38.7" E		

BAY-MGK-1021 Along the barangay road in Purok 17 8°43'6.9" N 125°50'31.6" E		No reported case of flooding.
BAY-MGK-1022 Purok 17 waiting shed 8°43'31.4" N 125°50'16.2" E		
BAY-MGK-1024 Along the barangay road in Purok 16 8°43'19.7" N 125°50'23.2" E		
BAY-MGK-1025 Purok 14 waiting shed 8°43'14.8" N 125°50'25.5" E		
BAY-MGK-1026 Purok 13 waiting shed 8°43'8.2" N 125°50'11.6" E		
BAY-MGK-1027 Purok 12 waiting shed 8°43'7.4" N 125°50'3.3" E		
BAY-MGK-1028 Along the barangay road in Purok 12 8°43'12.5" N 125°49'57.7" E		
BAY-MGK-1031 Along the road in Purok 11 8°43'22.8" N 125°49'57.5" E		
BAY-MGK-1032 Magkiangkang National High School 8°43'30.4" N 125°49'58.3" E		
BAY-MGK-1033 Magkiangkang Elementary School 8°43'35.9" N 125°50'3.4" E		
BAY-MGK-1034 Along the road in Purok 10 8°43'10.2" N 125°49'43.8" E		
BAY-MGK-1035 Purok 10 waiting shed in Purok 10 8°43'9.8" N 125°49'41.1" E		
BAY-MGK-1036 Magkiangkang Barangay Hall 8°43'11.6" N 125°49'41.8" E		

BAY-MGK-11 Agricultural area in Purok 8 8°43'29.77" N 125°49'31.35" E		No reported case of flooding.
BAY-MGK-12 Agricultural area in Purok 8 8°43'33.5" N 125°49'24.4" E		
<b>Barangay Mahayag</b>		
BAY-MHG-104 Along the Road Purok 2 8°47'25.4" N 125°44'11.7" E		No reported case of flooding.
BAY-MHG-105 Along the Road Purok 2 8°47'25.6" N 125°44'11.7" E		
BAY-MHG-106 Along the Road Purok 2 8°47'24.5" N 125°44'15" E		
BAY-MHG-107 Along the Road Purok 2 8°47'24.1" N 125°44'27.2" E		
BAY-MHG-108 Along the Road Purok 2 8°47'24" N 125°44'30" E		
BAY-MHG-109 Along the Road Purok 2 8°47'29.5" N 125°44'39.7" E		
BAY-MHG-110 Along the Road Purok 2 8°47'33" N 125°44'41.9" E		
BAY-MHG-111 Along the Road Purok 2 8°47'42.9" N 125°44'51.3" E		
BAY-MHG-112 Along the Road Purok 2 8°47'49.6" N 125°44'56.2" E		
BAY-MHG-113 Along the Road Purok 2 8°47'54.4" N 125°44'58" E		
BAY-MHG-114 Purok 1 community 8°47'56.4" N 125°45'9.1" E		
BAY-MHG-115 Along the Road Purok 1 8°47'50.7" N 125°45'8.9" E		

BAY-MHG-116 Purok 4 Community 8°47'40.1" N 125°45'28" E		No reported case of flooding.
BAY-MHG-117 Purok 4 Community 8°47'40.7" N 125°45'28.7" E		
BAY-MHG-118 Purok 4 Community 8°47'44.9" N 125°45'31" E		
BAY-MHG-119 Purok 3 Community 8°47'45.9" N 125°45'29.8" E		
BAY-MHG-120 Purok 3 Community 8°47'46.8" N 125°45'26.9" E		
BAY-MHG-121 Purok 3 Community 8°47'45.8" N 125°45'27.1" E		
BAY-MHG-122 Purok 3 Community 8°47'49.5" N 125°45'25.5" E		
BAY-MHG-123 Along the road Purok 3 8°47'53.4" N 125°45'25.4" E		
BAY-MHG-124 Along the road Purok 3 8°47'56.5" N 125°45'25" E		
BAY-MHG-125 Along the road Purok 3 8°47'58.5" N 125°45'21.8" E		
BAY-MHG-126 Along the road Purok 3 8°47'58.6" N 125°45'16.9" E		
BAY-MHG-127 Along the road Purok 3 8°47'52.9" N 125°45'15.1" E		
BAY-MHG-128 Along the road Purok 3 8°47'48.6" N 125°45'11.3" E		
BAY-MHG-129 Along the road Purok 3 8°47'48.9" N 125°45'10.2" E		

BAY-MHG-130 Purok 2 Community 8°47'59.5" N 125°45'4.5" E		No reported case of flooding.
BAY-MHG-131 Purok 2 Community 8°47'57.3" N 125°45'4.1" E		
BAY-MHG-132 Purok 2 Community 8°47'53.1" N 125°45'0.1" E		
BAY-MHG-133 Purok 2 Community 8°47'52.6" N 125°44'57.2" E		
<b>Barangay Marcelina</b>		
BAY-MRC-24 Bridge in Panaytay Creek 8°39'8.8" N 125°47'26" E	Very High	Bridge in Panaytay Creek. Channel was clogged by tree trunks that were carried by present flooding.  Recommendations: Develop an early warning device/system. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-MRC-9 Panaytay Bridge, Purok 2 8°39'22" N 125°46'53.7" E	Very High	Panaytay Bridge located in Purok 2. Flood height reaches up to 2.5 meters high. Bank erosion is active especially along meander bends. Barangay officials were unsuccessful in rerouting the channel.  Recommendations: Develop an early warning device/system. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-MRC-7 Hagab Creek near Purok 4 8°39'51.6" N 125°46'7.7" E	High	Hagab Creek near Purok 4 draining to Panaytay creek. 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).
BAY-MRC-5 Panaytay creek adjacent to Purok 5 8°39'45.5" N 125°46'12.3" E	High	Panaytay creek adjacent to Purok 5. Channelized flooding. Flood height reaches up to 3 meters high.  Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-MRC-6 Panaytay creek adjacent to Purok 5 8°39'47.2" N 125°46'9.9" E		
BAY-MRC-3 Panaytay Creek in Purok 1 8°39'37.4" N 125°46'26.7" E	High	Panaytay Creek with normal water level of 0.3 m. During flooding flood water reaches up to 2.0 meter high. Bank erosion is active.  Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-MRC-2000 Barangay Hall of Barangay Marcelina 8°39'26.2" N 125°46'54.4" E	Low	Barangay Hall of Barangay Marcelina. Flooding was caused by river overflow. No drainage system.  Recommendation: Construct proper drainage system to prevent flooding.

BAY-MRC-4 Open fields/rice fields in Purok 8 8°39'43.5" N 125°46'16.7" E	Low	Open fields/rice fields flooded due to river overflow. Flood height reaches up to 0.4 meters high.  Recommendation: Discourage future settlement in the area.
BAY-MRC-1 Rice field/open field in Purok 1 8°39'39.1" N 125°46'47.6" E	Low	Rice field/open field in Purok 1. Flooded during heavy rainfall up to 0.4 meters high.  Recommendation: Discourage future settlement in the area.
BAY-MRC-2 Rice field/open field in Purok 1 8°39'37.2" N 125°46'32.3" E		
BAY-MRC-10 Barangay road of Purok 2 8°39'14.3" N 125°46'46.4" E		No reported case of flooding.
BAY-MRC-11 Barangay road of Purok 3 8°39'14" N 125°46'20.5" E		
BAY-MRC-12 Purok proper of Purok 5 8°38'49.4" N 125°46'20.2" E		
BAY-MRC-13 Open fields of Purok 6 8°38'50.5" N 125°46'31.7" E		
BAY-MRC-14 Purok proper of Purok 6 8°38'54.5" N 125°46'54.4" E		
BAY-MRC-15 Purok proper of Purok 7-Old 8°38'41.2" N 125°47'1.3" E		
BAY-MRC-16 Purok proper of Purok 7-Old 8°38'34.3" N 125°47'0.3" E		
BAY-MRC-17 New Demar Elementary School 8°38'7.1" N 125°46'49.8" E		
BAY-MRC-18 Road to Purok 12 8°38'10.2" N 125°46'51.2" E		
BAY-MRC-19 Road to Purok 11 8°39'0.6" N 125°47'23.3" E		

BAY-MRC-20 Purok proper of Purok 11 8°39'3" N 125°47'32.1" E		No reported case of flooding.
BAY-MRC-21 Barangay boundary of Marcelina 8°38'32.2" N 125°47'45.5" E		
BAY-MRC-22 Purok proper of Purok 10 8°38'39.5" N 125°47'47.5" E		
BAY-MRC-23 Barangay road in Purok 10 8°38'44.7" N 125°47'45.8" E		
BAY-MRC-25 Purok proper of Purok 9 8°39'20.4" N 125°47'4.8" E		
BAY-MRC-26 Marcelina National High School 8°39'35.9" N 125°47'0.6" E		
BAY-MRC-27 Lapana Elementary School 8°39'37.4" N 125°46'57.4" E		
BAY-MRC-28 Purok proper of Purok 3 8°40'0.4" N 125°47'5.2" E		
BAY-MRC-8 Purok proper of Purok 2 8°39'30" N 125°46'49.1" E		
<b>Barangay Maygatasan</b>		
BAY-MYG-164 Purok 7 near Wawa River 8°43'45.7" N 125°44'2.6" E	Very High	Area adjacent to Bayugan River. Worst flooding occurred during typhoon Agaton. Flood height reached up to 5 meters.  Recommendations: Develop an early warning device/system. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-MYG-458 Sibagat River, Hanging Bridge in Purok 1 8°42'39.31" N 125°42'50.8" E	Very High	Flood water level usually above 5 meters during rainy season (December to February) associated with river water overflow. River channel migration has occurred.  Recommendations: Construction of important infrastructures is discouraged within the identified flooded areas. Monitor rapid rise of river water level and avoid crossing the bridge when flooded. Although the hanging bridge is not reached by flood water, bridge approach is usually flooded.
BAY-MYG-165 Road to purok proper of Purok 7 8°43'40.3" N	High	Area is approximately 65 meters away from Bayugan River. Flooding reaches up to 1.3 meters.  Recommendations: Evacuate if warnings for evacuation has

125°43'59.2" E		been issued by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-MYG-168 Purok proper of purok 7 8°43'40.7" N 125°44'3" E	High	Area located in Purok 7 proper. During typhoon Agaton, 2 houses were swept by flood. Flood height reached up to 1.8 m.  Recommendations: Evacuate if warnings for evacuation has been issued by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-MYG-163 Purok 7 near Wawa River 8°43'42.1" N 125°43'59.4" E	High	Area near Bayugan River. Flood height reached up to 1.8 meters during typhoon Agaton.  Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-MYG-457 Wawa River flood plain in Purok 1 8°42'38.45" N 125°42'54.68" E	High	Flood water level usually above 2 meters during rainy season (December to February) associated with river water overflow. River channel migration has occurred.  Recommendations: Construction of important infrastructures is discouraged within the identified flooded areas. Monitor rapid rise of river water level and avoid crossing the bridge when flooded.
BAY-MYG-162 Fishpond, Purok 7 8°43'41" N 125°43'54.5" E	Moderate	Adjacent to a fishpond. Old river channel of Bayugan River. Flood height reached up to 0.8m during typhoon Agaton.  Recommendation: Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-MYG-167 Purok proper of purok 7 8°43'40.7" N 125°44'3.6" E	Moderate	Area is approximately 150 meters away from Bayugan river. Flood height reaches up to 0.6 meters.  Recommendations: Evacuate if warnings for evacuation has been issued by authorities. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-MYG-462 Residential area in Purok 3 8°42'44.39" N 125°43'12.25" E	Moderate	Flood water level usually reaches 1 meter during rainy season (December to February) associated mainly with Bayugan and Wawa River water overflow.
BAY-MYG-464 Agricultural area in Purok 4 8°42'57.28" N 125°43'19.85" E		Recommendations: Construction of important infrastructures is discouraged within the identified flooded areas. Monitor rapid rise of river water level and conduct preemptive evacuation when necessary.
BAY-MYG-460 River bank in Purok 2 8°42'33.73" N 125°43'14.99" E	Low	Flood water level usually reaches 0.5 meter during rainy season (December to February) associated mainly with Bayugan and Wawa River water overflow.  Recommendations: Construction of important infrastructures is discouraged within the identified flooded areas. Monitor rapid rise of river water level and conduct preemptive evacuation. Avoid crossing the river when flooded.
BAY-MYG-170 Top of Bayugan Bridge, Purok 7 8°43'53.9" N 125°43'43" E	Low	Observation point reading taken on top of Bayugan bridge. Houses were built by informal settlers under this bridge. During typhoon Agaton flood water nearly reached the bridge.  Recommendation: Observe for rapid increase/decrease in

		creek/river water levels, possibly accompanied by increased turbidity (soil content).
BAY-MYG-156 Barangay road/farm to market road/ rice field areas, Purok 5 8°43'17.8" N 125°43'27" E		Agricultural land. Elevated to adjacent area. No flooding recorded.
BAY-MYG-157 Barangay road/farm to market road/ rice field areas, Purok 5 8°43'18.2" N 125°43'31.9" E		
BAY-MYG-158 Barangay road/farm to market road/ rice field areas, Purok 5 8°43'16" N 125°43'40.4" E		
BAY-MYG-159 Purok 6 proper 8°43'12.5" N 125°44'4.9" E		
BAY-MYG-160 Purok 6 proper/National highway 8°43'16" N 125°44'7.6" E		
BAY-MYG-161 Purok 8 proper/National highway 8°43'21" N 125°44'2.9" E		
BAY-MYG-166 Purok proper of purok 7 8°43'39.9" N 125°44'3.1" E		
BAY-MYG-455 Maygatasan Brgy. Hall, residential area 8°42'35.1" N 125°43'5.02" E		No reported case of flooding.
BAY-MYG-456 Brgy. Road, residential area in Purok 2 8°42'36.18" N 125°43'2.03" E		
BAY-MYG-459 Covered court in Purok 2 8°42'32.69" N 125°43'9.01" E		
BAY-MYG-461 Maygatasan Elementary School 8°42'40.68" N 125°43'13.22" E		

BAY-MYG-463 Brgy. Road in Purok 4 8°42'52.67" N 125°43'20.71" E		No reported case of flooding.
BAY-MYG-465 Agricultural area in Purok 4 8°43'8.83" N 125°43'23.34" E		
<b>Barangay Montevista</b>		
BAY-MVT-172 Purok 3 Riverside Community 8°43'40.4" N 125°40'38.3" E	High	Flooding due to overflowing of Abihid Creek.  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).
BAY-MVT-173 Purok 3 Riverside Community 8°43'40" N 125°40'37.9" E		
BAY-MVT-165 Purok 5 riverside Community area 8°43'21" N 125°40'38.3" E	High	Flooding due to overflowing of Kubo river.  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). Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains.
BAY-MVT-166 Purok 2 riverside Community area 8°43'21.7" N 125°40'35.1" E	High	
BAY-MVT-167 Purok 2 riverside Community area 8°43'22" N 125°40'38.5" E	High	
BAY-MVT-161 Barangay road in Purok 5 8°42'59.5" N 125°40'47.6" E	High	Flooding due to overflowing of Lahi creek.  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).
BAY-MVT-175 Purok 4 Community area 8°43'47.9" N 125°40'34.6" E	High	Flooding due to overflowing of the creek.  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).
BAY-MVT-176 Purok 4 Community area 8°43'50.4" N 125°40'32.7" E	High	
BAY-MVT-177 Purok 4 Community area 8°43'51" N 125°40'29.3" E	High	
BAY-MVT-158 Barangay road in Purok 5 8°44'14.1" N 125°40'23.5" E		No reported case of flooding.

BAY-MVT-159 Barangay road in Purok 5 8°44'6.6" N 125°40'26.1" E		No reported case of flooding.
BAY-MVT-160 Barangay road in Purok 5 8°43'56.5" N 125°40'31.2" E		
BAY-MVT-162 Barangay road in Purok 5 8°43'9" N 125°40'46" E		
BAY-MVT-163 Barangay road in Purok 5 8°43'13.7" N 125°40'43.6" E		
BAY-MVT-164 Purok 5 Community area 8°43'19.8" N 125°40'41" E		
BAY-MVT-168 Purok 2 Community 8°43'23.9" N 125°40'39.5" E		
BAY-MVT-169 Purok 1 Community 8°43'22.5" N 125°40'40.3" E		
BAY-MVT-170 Purok 1 Community 8°43'26.6" N 125°40'39.1" E		
BAY-MVT-171 Monte Vista Elementary School 8°43'35.1" N 125°40'39.5" E		
BAY-MVT-174 Purok 3 Community 8°43'43.2" N 125°40'37.4" E		
BAY-MVT-178 Barangay road in Purok 4 8°43'59" N 125°40'29.8" E		
BAY-MVT-179 Barangay road in Purok 4 8°44'11.4" N 125°40'24.1" E		
<b>Barangay Mt. Ararat</b>		
BAY-MAR-07 Creek near residential area in Sitio Moriah 8°49'37.45" N 125°49'15.38" E	Very High	<p>A southwest flowing creek affects the residential area of Purok 3 with sheet flooding when it overflows during extreme weather conditions. Previous flooding washed out some 11 houses in the area.</p> <p>Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content). Conduct pre-emptive evacuation during extreme weather conditions.</p>

<p>BAY-MAR-09 Creek near residential area in Sitio Moriah 8°49'34.25" N 125°49'19.24" E</p>	<p>Very High</p>	<p>Water level of Minto creek which is situated on the east side of Purok increases up to 1 meter high. There were no reported incidents of overflowing from the creek.</p> <p>Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content).</p>
<p>BAY-MAR-19 Creek near residential area in Sitio Hermon 8°48'36.65" N 125°48'46.22" E</p>	<p>Very High</p>	<p>Water volume of the southwest flowing Minto creek increases up to 2 meters high during extreme weather conditions hampering the main route going to Purok 6. Purok 6 is situated on an elevated area which is not affected with 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).</p>
<p>BAY-MAR-05 Creek near residential area in Purok 1 8°49'35.51" N 125°49'46.45" E</p>	<p>High</p>	<p>An intermittent creek at Purok 1 overflowed during the 2014 Typhoon Agaton and flooded the surrounding residential area for a few hours.</p> <p>Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content). Establish an adequate drainage system to facilitate surface water run off.</p>
<p>BAY-MAR-11 Residential area in Purok 3 8°49'36.48" N 125°49'16.43" E</p>	<p>High</p>	<p>Purok 3 is situated between two southwest flowing creeks, one of which is responsible for the sheet flooding experienced in some of the portion within the purok.</p> <p>Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content). Conduct pre-emptive evacuation during extreme weather conditions.</p>
<p>BAY-MAR-01 Road in Purok 1 8°49'33.46" N 125°49'34.72" E</p>		<p>No reported case of flooding.</p>
<p>BAY-MAR-02 Road in Purok 1 8°49'37.31" N 125°49'39.14" E</p>		
<p>BAY-MAR-03 Road in Purok 1 8°49'27.55" N 125°49'50.27" E</p>		
<p>BAY-MAR-04 Residential area in Purok 1 8°49'34.57" N 125°49'46.09" E</p>		
<p>BAY-MAR-06 Residential area in Purok 2 8°49'39.07" N 125°49'53.11" E</p>		
<p>BAY-MAR-08 Road in Sitio Moriah 8°49'30.61" N 125°49'27.59" E</p>		

BAY-MAR-10 School in Sitio Moriah 8°49'35.8" N 125°49'19.74" E		No reported case of flooding.
BAY-MAR-12 Residential area in Purok 4 8°49'33.42" N 125°49'47.46" E		
BAY-MAR-13 Road in Purok 5 8°49'18.12" N 125°49'52.79" E		
BAY-MAR-14 Road in Purok 5 8°49'14.23" N 125°49'46.92" E		
BAY-MAR-15 Road in Purok 5 8°49'22.69" N 125°49'53.98" E		
BAY-MAR-16 Residential area in Purok 5 8°49'7.93" N 125°49'43.5" E		
BAY-MAR-17 Trail in Purok 6 8°48'32.94" N 125°48'47.2" E		
BAY-MAR-18 Residential area in Sitio Hermon 8°48'29.45" N 125°48'48.38" E		
BAY-MAR-20 Mt. Ararat Barangay Hall 8°49'40.01" N 125°49'46.34" E		
BAY-MAR-21 School 8°49'42.64" N 125°49'46.81" E		
<b>Barangay Mt. Carmel</b>		
BAY-MTC-01 Residential area in Sitio Haran 8°47'14.86" N 125°50'38.94" E		No reported case of flooding.
BAY-MTC-02 Mt. Carmel Barangay Hall 8°47'23.42" N 125°49'37.52" E		
BAY-MTC-03 Residential area in Sitio Wilderness 8°48'35.82" N 125°50'20.15" E		

BAY-MTC-04 Residential area in Purok 11 8°48'44.53" N 125°50'39.48" E		No reported case of flooding.
BAY-MTC-05 Residential area in Purok 8 8°48'41.47" N 125°50'24.61" E		
BAY-MTC-06 Residential area in Sitio Wilderness 8°48'39.13" N 125°50'19.21" E		
BAY-MTC-07 Residential area in Sitio Wilderness 8°48'27.25" N 125°50'17.95" E		
BAY-MTC-08 Residential area in Purok 9 8°48'13.43" N 125°50'23.32" E		
BAY-MTC-09 School in Sitio Wilderness 8°48'25.7" N 125°50'16.22" E		
BAY-MTC-10 Residential area in Sitio Wilderness 8°48'26.35" N 125°50'9.28" E		
BAY-MTC-11 Residential area in Purok 6 8°48'18.07" N 125°49'53.58" E		
BAY-MTC-12 Residential area in Purok 5 8°47'41.64" N 125°49'40.37" E		
BAY-MTC-13 Open area/Covered court in Purok 4 8°47'25.26" N 125°49'45.88" E		
BAY-MTC-14 School in Purok 4 8°47'30.05" N 125°49'39.68" E		
BAY-MTC-15 Residential area in Purok 4 8°47'17.23" N 125°49'40.19" E		

BAY-MTC-16 Residential area in Purok 3A 8°47'10.28" N 125°49'29.57" E		No reported case of flooding.
BAY-MTC-17 Residential area in Purok 3A 8°47'4.13" N 125°49'34.32" E		
BAY-MTC-18 Residential area in Purok 2 8°46'57.83" N 125°49'40.51" E		
BAY-MTC-19 Residential area in Purok 1 8°46'34.79" N 125°49'44.11" E		
BAY-MTC-20 Road in Purok 1 8°46'30.32" N 125°49'44.18" E		
BAY-MTC-21 Residential area in Purok 1A 8°46'29.5" N 125°49'29.68" E		
<b>Barangay Mt. Olive</b>		
BAY-MTO-01 Residential area in Purok 3 8°44'50.7" N 125°49'44.8" E		No reported case of flooding.
BAY-MTO-02 Residential area in Purok 9 8°46'6.1" N 125°49'46.4" E		
BAY-MTO-03 Residential area in Purok 9 8°46'13.8" N 125°49'40.2" E		
BAY-MTO-04 Residential area in Purok 9 8°46'12.7" N 125°49'36.7" E		
BAY-MTO-05 Residential area in Purok 9 8°46'8.4" N 125°49'24.3" E		
BAY-MTO-06 Residential area in Purok 9 8°46'3" N 125°49'26.5" E		

BAY-MTO-07 Residential area in Purok 8 8°45'56.9" N 125°49'33.6" E		No reported case of flooding.
BAY-MTO-08 Residential area in Purok 7 8°45'46.5" N 125°49'33.4" E		
BAY-MTO-09 Residential area in Purok 6 8°45'36.4" N 125°49'32.7" E		
BAY-MTO-10 Residential area in Purok 5 8°45'23.2" N 125°49'24.7" E		
BAY-MTO-11 Residential area in Purok 4 8°45'22.8" N 125°49'25.6" E		
BAY-MTO-12 Residential area in Purok 4 8°44'50.9" N 125°49'43.6" E		
<b>Barangay New Salem</b>		
BAY-NWS-289 New Salem Barangay Hall 8°45'55.7" N 125°51'18.5" E		No reported case of flooding.
BAY-NWS-290 Purok 1 community area 8°45'54.9" N 125°51'20.4" E		
BAY-NWS-291 Purok 3 along the road 8°45'51.1" N 125°51'27.7" E		
BAY-NWS-292 Purok 3 community area 8°45'43.6" N 125°51'31.3" E		
BAY-NWS-293 Purok 3 foot rail to Purok 8 8°45'43.2" N 125°51'31.5" E		
BAY-NWS-294 Purok 3 Along the road 8°45'38.9" N 125°51'30.2" E		

BAY-NWS-295 New Salem Elementary School 8°45'49.1" N 125°51'30.8" E		No reported case of flooding.
BAY-NWS-296 Purok 3 along the road 8°45'47.9" N 125°51'29.8" E		
BAY-NWS-297 Purok 2 community area 8°45'59.4" N 125°51'31.3" E		
BAY-NWS-298 Purok 2 community area 8°45'58.9" N 125°51'30.9" E		
BAY-NWS-299 Purok 7 community area 8°45'55.2" N 125°51'18.1" E		
BAY-NWS-300 Purok 4 community area 8°46'9.2" N 125°51'3.8" E		
BAY-NWS-301 Purok 4 Along the road 8°46'7.8" N 125°51'7.7" E		
BAY-NWS-302 Purok 7 along the road 8°46'4.8" N 125°51'11.9" E		
BAY-NWS-303 Purok 7 along the road 8°45'58.7" N 125°51'15" E		
BAY-NWS-304 Purok 7 along the road 8°45'57.2" N 125°51'16.8" E		
BAY-NWS-305 Purok 1 along the road 8°45'52.3" N 125°51'25.1" E		
BAY-NWS-306 Purok 1 community area 8°45'54.8" N 125°51'20.9" E		
BAY-NWS-307 Purok 3 along the road 8°45'44.5" N 125°51'38.4" E		
BAY-NWS-308 Purok 3 along the road 8°45'44.6" N 125°51'39.7" E		

BAY-NWS-309 Purok 3 along the road 8°45'45" N 125°51'43.8" E		No reported case of flooding.
BAY-NWS-310 Purok 3 along the road 8°45'48.1" N 125°51'48.6" E		
BAY-NWS-311 Purok 3 along the road 8°45'47.1" N 125°51'53.3" E		
<b>Barangay Noli</b>		
BAY-NOL-12 Amohon creek in Purok 13 8°44'37.43" N 125°43'54.95" E	Very High	A southwest flowing Amohon creek overflows during perilous weather condition causing sheet flooding to its surrounding area.  Recommendations: Prohibit construction of houses or facilities near river. 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.
BAY-NOL-03 Andanan river in Purok 7 8°43'56.1" N 125°43'40.3" E	Very High	A southwest flowing Andanan river overflows during perilous weather condition causing sheet flooding to its surrounding area.  Recommendations: Prohibit construction of houses or facilities near river. 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.
BAY-NOL-02 Wawa river in Purok 6 8°44'29.11" N 125°42'46.58" E	Very High	Wawa river which overflows during perilous weather conditions floods its surrounding residential and agricultural areas.  Recommendations: Prohibit construction of houses or facilities near river. 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.
BAY-NOL-09 Residential area in Purok 9 8°44'10.46" N 125°43'47.75" E	Moderate	Sheet flooding in the area is caused by the overflowing of a southwest flowing creek.  Recommendations: Prohibit construction of houses or facilities near river. 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.
BAY-NOL-05 Residential area in Purok 7 8°43'46.45" N 125°43'31.12" E	Moderate	Sheet flooding in the area is caused by the overflowing of Andanan river.  Recommendations: Prohibit construction of houses or facilities near river. 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.
BAY-NOL-07 Agricultural near Andanan river in Purok 11 8°43'56.86" N 125°43'48.58" E		
BAY-NOL-01 Residential area in Purok	Moderate	Sheet flooding in the area is caused by the overflowing of Wawa river.

6 8°44'30.88" N 125°42'46.76" E		Recommendations: Prohibit construction of houses or facilities near river. 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.
BAY-NOL-13 Residential area in Purok 13 8°44'38.9" N 125°44'0.13" E	Low	Sheet flooding in the area is caused by the overflowing of a southwest flowing Amohon creek.  Recommendations: Prohibit construction of houses or facilities near river. 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.
BAY-NOL-14 Residential area in Purok 13 8°44'37.82" N 125°43'57.4" E		
BAY-NOL-10 Residential near intermittent creek in Purok 4 8°44'34.37" N 125°43'22.94" E	Low	Sheet flooding in the area is caused by the overflowing of a southwest flowing intermittent creek.  Recommendations: Prohibit construction of houses or facilities near river. 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.
BAY-NOL-11 Residential area in Purok 4 8°44'37.68" N 125°43'23.34" E		
BAY-NOL-04 Residential area in Purok 7 8°43'52.79" N 125°43'34.5" E	Low	Sheet flooding in the area is caused by the overflowing of Andanan river.  Recommendations: Prohibit construction of houses or facilities near river. 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.
BAY-NOL-06 Residential area in Purok 8 8°44'0.67" N 125°43'41.34" E		No reported case of flooding.
BAY-NOL-08 Residential area in Purok 10 8°44'10.5" N 125°43'34.14" E		
BAY-NOL-15 Barangay Hall/Residential area in Purok 3 8°44'46.03" N 125°43'19.34" E		
BAY-NOL-16 Day Care 8°44'47.22" N 125°43'18.59" E		
BAY-NOL-17 Residential area in Purok 1B 8°44'48.23" N 125°43'14.81" E		

BAY-NOL-18 Residential area in Purok 2A 8°44'49.31" N 125°43'14.95" E		No reported case of flooding.
BAY-NOL-19 Residential area in Purok 1A 8°44'56.54" N 125°43'10.63" E		
BAY-NOL-20 Residential area in Purok 12 8°45'4.43" N 125°43'35.26" E		
BAY-NOL-21 Residential area in Purok 12 8°45'4.07" N 125°43'22.55" E		
BAY-NOL-22 Residential area in Purok 5 8°44'37.28" N 125°43'12.36" E		
<b>Barangay Osmeña</b>		
BAY-OSM-90 Labao Bridge, Purok 1 8°42'4" N 125°48'55" E	Moderate	Labao Bridge frequently flooded up to 0.8 meters high during heavy rainfall. Channelized flooding only.
BAY-OSM-88 Labao Creek, Purok 1 8°42'2.9" N 125°48'44.7" E	Moderate	Labao Creek flooded up to 0.7 meter high during heavy rainfall. Channelized flooding only.
BAY-OSM-73 Panaytay Bridge, Purok 4 8°41'52" N 125°49'26" E	Low	Channelized flooding only. Bank is approximately 30 meters high.
BAY-OSM-68 Barangay Hall of Barangay Osmeña 8°41'59.4" N 125°49'2.8" E		No reported case of flooding.
BAY-OSM-69 Public Cemetery 8°41'33.1" N 125°49'43.3" E		
BAY-OSM-70 Relocation Area, Purok 5 8°41'43.8" N 125°49'40.1" E		
BAY-OSM-71 Trail to interior area of Purok 6 8°41'48" N 125°49'43.7" E		
BAY-OSM-72 Trail to interior area of Purok 6 8°41'56.6" N 125°49'55.3" E		

BAY-OSM-74 Osmeña Sr. Elementary School 8°41'51.9" N 125°49'16.3" E		No reported case of flooding.
BAY-OSM-75 Osmeña Sr. Elementary School 8°41'50.2" N 125°49'16.4" E		
BAY-OSM-76 Purok 3 proper 8°41'51.4" N 125°49'8.1" E		
BAY-OSM-77 Trail to Purok 3 8°41'40.3" N 125°49'2.1" E		
BAY-OSM-78 Open fields, Purok 3 8°41'20.1" N 125°48'52.8" E		
BAY-OSM-79 Purok 7 proper 8°42'30.2" N 125°49'27.5" E		
BAY-OSM-80 Farm to market road, Purok 7 8°42'23.6" N 125°49'25.9" E		
BAY-OSM-82 Farm to market road, Purok 7 8°42'17.9" N 125°49'23.5" E		
BAY-OSM-83 Farm to market road, Purok 7 8°42'11.7" N 125°49'19.4" E		
BAY-OSM-84 Farm to market road, Purok 7 8°42'10.5" N 125°49'8.6" E		
BAY-OSM-85 Church 8°42'6.8" N 125°49'5.9" E		
BAY-OSM-86 Purok 1 proper 8°42'3.3" N 125°48'58.2" E		
BAY-OSM-87 Open fields, Purok 1 8°42'2.8" N 125°48'48" E		

BAY-OSM-89 Boundary of Osmeña, Purok 1 8°42'21.1" N 125°48'32.4" E		No reported case of flooding.
<b>Barangay Panaytay</b>		
BAY-PTY-10 Purok 3 Community 8°40'7.6" N 125°49'4.7" E		No reported case of flooding.
BAY-PTY-11 Purok 6 Community 8°39'13.6" N 125°49'0.1" E		
BAY-PTY-12 Along the Road Purok 6 8°39'5.4" N 125°48'45.6" E		
BAY-PTY-13 Along the Road Purok 6 8°39'4.4" N 125°48'49.5" E		
BAY-PTY-14 Along the Road Purok 6 8°39'10.4" N 125°48'54.5" E		
BAY-PTY-15 Along the Road Purok 6 8°39'17" N 125°49'2" E		
BAY-PTY-16 Along the Road Purok 5 8°39'20.6" N 125°49'5.3" E		
BAY-PTY-17 Along the Road Purok 5 8°39'26" N 125°49'5.2" E		
BAY-PTY-18 Purok 5 Community 8°39'35.2" N 125°49'2" E		
BAY-PTY-19 Along the Road Purok 5 8°39'40.3" N 125°49'5" E		
BAY-PTY-20 Along the Road Purok 5 8°39'46.1" N 125°49'7" E		
BAY-PTY-21 Along the Road Purok 4 8°39'55.6" N 125°49'6.8" E		
BAY-PTY-22 Purok 4 community 8°39'59.1" N 125°49'3.3" E		

BAY-PTY-23 Along the Road Purok 4 8°40'3.1" N 125°49'2.8" E		No reported case of flooding.
BAY-PTY-24 Purok 3 Community 8°40'8.3" N 125°49'6.5" E		
BAY-PTY-25 Purok 2 Community 8°40'8" N 125°49'6.2" E		
BAY-PTY-26 Purok 2 Community 8°40'13.1" N 125°49'5.6" E		
BAY-PTY-27 Purok 2 Community 8°40'13.3" N 125°49'6.5" E		
BAY-PTY-28 Along the Road Purok 2 8°40'13.1" N 125°49'6.8" E		
BAY-PTY-29 Along the Road Purok 1 8°40'21.4" N 125°49'6.5" E		
BAY-PTY-30 Along the Road Purok 1 8°40'30" N 125°49'5.5" E		
BAY-PTY-31 Along the Road Purok 1 8°40'36.5" N 125°49'8.2" E		
BAY-PTY-32 Purok 1 community 8°40'44.2" N 125°49'13.2" E		
BAY-PTY-33 Panaytay Elementary School 8°40'6" N 125°49'3.5" E		
BAY-PTY-34 Panaytay Elementary School 8°40'4.5" N 125°49'2.3" E		
BAY-PTY-35 Panaytay Elementary School 8°40'4.8" N 125°49'1.6" E		

**Barangay Pinagalaan**

BAY-PNG-37 Purok 5 Community 8°44'39.4" N 125°48'9.6" E		No reported case of flooding.
BAY-PNG-38 Purok 5 Community 8°44'40.3" N 125°48'9.5" E		
BAY-PNG-39 Purok 9 Community 8°46'28.9" N 125°48'36.1" E		
BAY-PNG-40 Purok 9 Community 8°46'29" N 125°48'37.9" E		
BAY-PNG-41 Purok 9 Community 8°46'27.8" N 125°48'35.2" E		
BAY-PNG-42 Purok 9 Community 8°46'25.1" N 125°48'32.3" E		
BAY-PNG-43 Purok 8 Community 8°46'20.1" N 125°48'31.2" E		
BAY-PNG-44 Purok 8 Community 8°46'17.5" N 125°48'32" E		
BAY-PNG-45 Purok 8 Community 8°46'17.5" N 125°48'31.9" E		
BAY-PNG-46 Purok 8 Community 8°46'16.4" N 125°48'31.3" E		
BAY-PNG-47 Purok 8 Community 8°46'15.9" N 125°48'31.7" E		
BAY-PNG-48 Purok 8 Community 8°46'12.8" N 125°48'32" E		
BAY-PNG-49 Purok 8 Community 8°46'8.9" N 125°48'31.1" E		
BAY-PNG-50 Along the Road Purok 8 8°46'2.8" N 125°48'24.6" E		

BAY-PNG-51 Purok 7 Community 8°45'49" N 125°48'21.7" E		No reported case of flooding.
BAY-PNG-52 Purok 7 Community 8°45'46" N 125°48'20.5" E		
BAY-PNG-53 Along the Road Purok 7 8°45'38.2" N 125°48'17.6" E		
BAY-PNG-54 Along the Road Purok 7 8°45'31.9" N 125°48'13.9" E		
BAY-PNG-55 Purok 6 Community 8°45'21.8" N 125°48'19.6" E		
BAY-PNG-56 Purok 6 Community 8°45'21.8" N 125°48'19.7" E		
BAY-PNG-57 Purok 6 Community 8°45'19.5" N 125°48'19.9" E		
BAY-PNG-58 Purok 6 Community 8°45'19.5" N 125°48'19.8" E		
BAY-PNG-59 Purok 6 Community 8°45'19.4" N 125°48'19.8" E		
BAY-PNG-60 Along the road Purok 6 8°45'6.1" N 125°48'19.5" E		
BAY-PNG-61 Purok 5 Community 8°44'58.2" N 125°48'16" E		
BAY-PNG-62 Purok 5 Community 8°44'51.9" N 125°48'13.4" E		
BAY-PNG-63 Purok 5 Community 8°44'40.8" N 125°48'13.2" E		
BAY-PNG-64 Purok 5 Community 8°44'40.7" N 125°48'13.5" E		

BAY-PNG-65 Purok 5 Community 8°44'39.5" N 125°48'9.1" E		No reported case of flooding.
BAY-PNG-66 Purok 1 Community 8°44'59.8" N 125°47'39.7" E		
BAY-PNG-67 Purok 1 Community 8°44'56" N 125°47'36.4" E		
BAY-PNG-68 Purok 2 Community 8°44'55.9" N 125°47'19" E		
BAY-PNG-69 Purok 2 Community 8°44'59.6" N 125°47'18.8" E		
BAY-PNG-70 Along the Road Purok 1 8°44'58.7" N 125°47'41.1" E		
BAY-PNG-71 Along the Road Purok 1 8°44'50.7" N 125°47'56.4" E		
BAY-PNG-72 Along the Road Purok 1 8°44'45.1" N 125°48'2.6" E		
BAY-PNG-73 Along the Road Purok 5 8°44'33.9" N 125°48'6.8" E		
BAY-PNG-74 Purok 4 Community 8°44'33.6" N 125°48'7" E		
BAY-PNG-75 Along the Road Purok 4 8°44'21.4" N 125°47'46.2" E		
BAY-PNG-76 Along the Road Purok 3A 8°44'12.7" N 125°47'37.3" E		
BAY-PNG-77 Purok 3A Community 8°43'57.6" N 125°47'31.3" E		
BAY-PNG-78 Purok 3A Community 8°43'52.8" N 125°47'27.9" E		

BAY-PNG-79 Purok 3B Community 8°43'37.8" N 125°47'9.6" E		No reported case of flooding.
BAY-PNG-80 Purok 3B Community 8°43'37.3" N 125°47'9.5" E		
BAY-PNG-81 Along the Road Purok 3B 8°43'19.2" N 125°47'13.3" E		
<b>Barangay Poblacion</b>		
BAY-POB-218 Purok proper of Purok 19 8°42'36.5" N 125°44'27.8" E	Low	No flooding recorded in the area. Maintain drainage system to prevent future flooding.
BAY-POB-219 Purok proper of Purok 21 8°42'49.9" N 125°44'40" E	Low	
BAY-POB-220 Purok proper of Purok 23 8°42'55" N 125°44'24" E	Low	
BAY-POB-221 Purok proper of Purok 22 8°42'59" N 125°44'42.9" E	Low	
BAY-POB-222 Purok proper of Purok 4A 8°43'9.2" N 125°44'48.2" E	Low	
BAY-POB-223 Purok proper of Purok 5 8°43'14" N 125°44'50.7" E	Low	
BAY-POB-224 Purok proper of Purok 6 8°43'14.8" N 125°44'56.7" E	Low	
BAY-POB-225 Purok proper of Purok 7 8°43'18.3" N 125°45'6.4" E	Low	
BAY-POB-226 Purok proper of Purok 7A 8°43'23.9" N 125°45'24.3" E	Low	
BAY-POB-227 Purok proper of Purok 7A 8°43'25.5" N 125°45'30.6" E	Low	
BAY-POB-228 Purok proper of Purok 9B 8°43'14.7" N 125°45'23.1" E	Low	

BAY-POB-230 Purok proper of Purok 9A 8°43'7.5" N 125°45'16.2" E	Low	No flooding recorded in the area. Maintain drainage system to prevent future flooding.
BAY-POB-231 Purok proper of Purok 10 8°42'55.2" N 125°45'8.4" E	Low	
BAY-POB-233 Purok proper of Purok 9 8°43'9.7" N 125°45'7.2" E	Low	
BAY-POB-236 Purok proper of Purok 3 8°43'6.1" N 125°44'56.3" E	Low	
BAY-POB-237 Purok proper of Purok 1 8°43'3" N 125°44'56.7" E	Low	
BAY-POB-238 Purok proper of Purok 15 8°42'54.6" N 125°44'56.7" E	Low	
BAY-POB-239 Purok proper of Purok 13 8°42'51" N 125°44'56.3" E	Low	
BAY-POB-240 Purok proper of Purok 8 8°42'45.7" N 125°44'55.7" E	Low	
BAY-POB-242 Purok proper of Purok 14 8°42'43.5" N 125°44'55.4" E	Low	
BAY-POB-245 Barangay Hall of Poblacion 8°42'47.1" N 125°44'43.6" E	Low	
BAY-POB-246 Purok proper of Purok 18 8°42'46.3" N 125°44'41" E	Low	
BAY-POB-247 Purok proper of Purok 20 8°42'54.5" N 125°44'39.9" E	Low	
BAY-POB-248 Purok proper of Purok 11 8°42'53.4" N 125°45'2.8" E	Low	
BAY-POB-249 Purok proper of Purok 16 8°42'50.1" N 125°45'2.3" E	Low	

BAY-POB-251 Purok proper of Purok 12A 8°42'46.1" N 125°44'58.2" E	Low	No flooding recorded in the area. Maintain drainage system to prevent future flooding.
BAY-POB-252 Purok proper of Purok 12 8°42'39.1" N 125°45'1.6" E	Low	
BAY-POB-254 Purok proper of Purok 4 8°43'5.5" N 125°44'49.3" E	Low	
BAY-POB-255 Purok proper of Purok 24 8°43'8.3" N 125°44'26.5" E	Low	
<b>Barangay Sagmone</b>		
BAY-SMN-02 Residential area in Purok 6 8°44'20" N 125°42'0.2" E	Moderate	Area is prone to flooding and flashfloods.  Recommendations: Implement flood control measures. Construction of houses along creek/river banks should be monitored and prohibited/discouraged.
BAY-SMN-03 Residential area in Purok 7 8°44'18" N 125°41'56.5" E	Moderate	
BAY-SMN-04 Along the road, agricultural area in Purok 2 8°44'13.7" N 125°41'57.5" E	Moderate	
BAY-SMN-23 Residential/ Agricultural area in Purok 5 8°44'10.4" N 125°42'1.6" E	Moderate	The area is moderately susceptible to flashfloods because of its relatively low altitude.  Recommendation: Implement flood control measures to prevent/mitigate flooding.
BAY-SMN-07 Agricultural area in Purok 3 8°44'22.5" N 125°42'36.8" E	Moderate	The area is prone to intense flooding because it is situated on a flood plain of Wawa River.  Recommendations: Implement flood control measures to mitigate flooding. Develop drainage systems.
BAY-SMN-08 Agricultural area in Purok 3 8°44'20.2" N 125°42'35.4" E	Moderate	
BAY-SMN-09 Agricultural area in Purok 3 8°44'21.3" N 125°42'32.7" E	Moderate	
BAY-SMN-10 Agricultural area in Purok 3 8°44'20.4" N 125°42'27.4" E	Moderate	

BAY-SMN-11 Agricultural area in Purok 3 8°44'23.6" N 125°42'18.1" E	Moderate	The area is prone to intense flooding because it is situated on a flood plain of Wawa River.  Recommendations: Implement flood control measures to mitigate flooding. Develop drainage systems.
BAY-SMN-12 Agricultural area in Purok 3 8°44'20.1" N 125°42'13.5" E	Moderate	
BAY-SMN-13 Agricultural area in Purok 1 8°44'20.5" N 125°42'5.7" E	Moderate	
BAY-SMN-14 Agricultural area in Purok 1 8°44'24.5" N 125°42'5.1" E	Moderate	
BAY-SMN-24 Agricultural area in Purok 4 8°44'11.5" N 125°41'59.6" E	Low	Sheet/flash floods occur in this area during intense rain.  Recommendation: Implement flood control measures to prevent/mitigate flooding.
BAY-SMN-25 Agricultural area in Purok 6 8°44'10.9" N 125°41'57.9" E		
BAY-SMN-15 Residential/ Agricultural area in Purok 2 8°44'32.6" N 125°42'5.9" E	Low	The area is relatively a bit higher in altitude but flooding still occurs during intense rain due to lack of proper drainage system.  Recommendation: Develop proper drainage system and implement regular declogging of existing drainage.
BAY-SMN-16 Residential area in Purok 2 8°44'34.7" N 125°42'5.5" E	Low	
BAY-SMN-17 Residential/ Agricultural area in Purok 2 8°44'34.9" N 125°42'7.4" E	Low	
BAY-SMN-01 Residential area in Purok 6 8°44'17.9" N 125°41'56.1" E		No reported case of flooding.
BAY-SMN-05 Agricultural area in Purok 8 8°43'58.9" N 125°41'59.6" E		
BAY-SMN-06 Agricultural area in Purok 8 8°43'44" N 125°42'6.1" E		

BAY-SMN-18 Residential area in Purok 6 8°44'17.5" N 125°41'54.5" E		No reported case of flooding.
BAY-SMN-19 Residential area in Purok 6 8°44'17" N 125°41'53.3" E		
BAY-SMN-20 Residential area in Purok 6 8°44'16.9" N 125°41'51.7" E		
BAY-SMN-21 Residential area in Purok 6 8°44'18.1" N 125°41'49" E		
BAY-SMN-22 Agricultural area in Purok 6 8°44'16.2" N 125°41'46.3" E		
<b>Barangay Saguma</b>		
BAY-SGM-522 Agricultural area, barangay road in Purok 8 8°41'1.14" N 125°45'14.15" E	High	Flood water level usually reaches 2 meters during rainy season (December to February) associated mainly with irrigation and adjacent stream water overflow.  Recommendation: Construction of important infrastructures is discouraged within the identified flooded areas.
BAY-SGM-526 Santi Creek in Purok 3 8°41'1.72" N 125°44'43.48" E	High	
BAY-SGM-527 Agricultural area, barangay road in Purok Sentro 8°41'11.51" N 125°44'31.74" E	High	
BAY-SGM-528 Agricultural area, barangay road in Purok 4 8°41'2.29" N 125°44'24.54" E	High	
BAY-SGM-530 Agricultural area, barangay road, creek in Purok 4 8°40'54.98" N 125°43'57.94" E	High	
BAY-SGM-531 Agricultural area, barangay road, creek in Purok 4 8°40'50.38" N 125°43'42.89" E	High	

BAY-SGM-532 Agricultural area, barangay road in Purok 6 8°40'38.03" N 125°43'33.49" E	High	Flood water level usually reaches 2 meters during rainy season (December to February) associated mainly with irrigation and adjacent stream water overflow.  Recommendation: Construction of important infrastructures is discouraged within the identified flooded areas.
BAY-SGM-516 Agricultural area, Irrigation area in Purok 7 8°42'0.47" N 125°45'4.46" E	Moderate	Flood water level usually reaches 1 meter during rainy season (December to February) associated mainly with irrigation and adjacent stream water overflow.  Recommendation: Construction of important infrastructures is discouraged within the identified flooded areas.
BAY-SGM-511 Agricultural area, Irrigation area in Purok 2 8°42'4.64" N 125°44'22.74" E	Moderate	Flood water level usually reaches 1 meter during rainy season (December to February) associated mainly with irrigation and Bayugan River water overflow.
BAY-SGM-513 Agricultural area, Irrigation area in Purok 7 8°42'28.44" N 125°44'34.51" E		Recommendations: Construction of important infrastructures is discouraged within the identified flooded areas. Monitor rapid rise of river water level and avoid crossing the bridge when flooded.
BAY-SGM-504 Saguma Brgy. Hall, residential area 8°41'16.51" N 125°44'40.34" E		No reported case of flooding.
BAY-SGM-505 Saguma Elementary School, residential area 8°41'19.32" N 125°44'40.06" E		
BAY-SGM-506 Residential area, barangay road in Purok Sentro 8°41'22.99" N 125°44'38.11" E		
BAY-SGM-507 Residential area, barangay road in Purok Sentro 8°41'31.31" N 125°44'36.74" E		
BAY-SGM-508 Agricultural area, barangay road in Purok Sentro 8°41'36.56" N 125°44'35.38" E		
BAY-SGM-509 Agricultural area, barangay road in Purok Sentro 8°41'46.46" N 125°44'29.76" E		
BAY-SGM-510 Agricultural area, barangay road in Purok Sentro 8°41'54.13" N 125°44'25.01" E		

BAY-SGM-512 Agricultural area, Irrigation area in Purok 7 8°42'17.42" N 125°44'21.91" E		No reported case of flooding.
BAY-SGM-514 Agricultural area, Irrigation area in Purok 7 8°42'22.5" N 125°44'42.11" E		
BAY-SGM-515 Agricultural area, Irrigation area in Purok 7 8°42'6.44" N 125°44'58.49" E		
BAY-SGM-517 Agricultural area, Irrigation area in Purok 5 8°41'53.84" N 125°45'11.16" E		
BAY-SGM-518 Agricultural area, Irrigation area in Purok 5 8°41'50.93" N 125°45'14.04" E		
BAY-SGM-520 Agricultural area, barangay road in Purok 5 8°41'22.99" N 125°45'23.11" E		
BAY-SGM-521 Agricultural area, barangay road in Purok 8 8°41'13.92" N 125°45'19.19" E		
BAY-SGM-523 Agricultural area, barangay road in Purok 8 8°40'47.46" N 125°45'8.5" E		
BAY-SGM-524 Residential area, barangay road in Purok 3 8°40'34.1" N 125°44'54.13" E		
BAY-SGM-525 Residential area, barangay road in Purok 3 8°40'50.16" N 125°44'51" E		
BAY-SGM-529 Residential area, barangay road, creek in Purok 4 8°40'58.12" N 125°44'7.51" E		
BAY-SGM-533 Agricultural area, barangay road in Purok Sentro 8°41'24.22" N		

125°44'12.66" E		
<b>Barangay Salvacion</b>		
BAY-SAL-23 Creek in Purok 16 8°39'54.86" N 125°43'9.16" E	Very High	During extreme weather conditions the southwest flowing Cumpaitanay creek overflows causing sheet flooding to nearby agricultural and residential areas.  Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content). Conduct pre-emptive evacuation during extreme weather condition. Establish an adequate drainage system to facilitate surface water run off.
BAY-SAL-13 Residential area in Purok 12 8°41'1.25" N 125°42'24.16" E	Very High	Purok 12 is situated next to an elevated road which creates a damming effect during flood.  Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels. Observe for sunken or displaced road surfaces. Conduct pre-emptive evacuation during extreme weather condition. Establish an adequate drainage system to facilitate surface water run off.
BAY-SAL-21 Agricultural area in Purok 15 8°41'27.13" N 125°41'52.58" E	Very High	Several areas near Wawa river are being affected with sheet flooding when it overflows during precarious weather conditions.  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.
BAY-SAL-14 Wawa river in Purok 13 8°41'44.56" N 125°42'25.38" E	Very High	Wawa river which traverses in some of the puroks usually overflows during precarious weather condition. Progressive river bank erosion was mapped wearing down the surrounding agricultural areas. Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content). Install or establish proper engineering measures to mitigate or control further river bank erosion (e.g.: dike, gabion, dredging).
BAY-SAL-02 Creek in Purok 2 8°41'18.13" N 125°42'54.65" E	High	A southwest flowing creek which overflows during precarious weather condition floods its surrounding immediate area.  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. Establish an adequate drainage system to facilitate surface water run off.
BAY-SAL-05 Creek in Purok 5 8°41'3.7" N 125°42'49.79" E		
BAY-SAL-16 Agricultural area in Purok 13 8°41'45.49" N 125°42'34.38" E	High	Several areas near Wawa river are being affected with sheet flooding when it overflows during precarious weather conditions.  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.
BAY-SAL-17 Agricultural area in Purok 14 8°41'39.3" N 125°42'22.9" E	High	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.

BAY-SAL-18 Residential area in Purok 14 8°41'32.6" N 125°42'15.41" E	High	Several areas near Wawa river are being affected with sheet flooding when it overflows during precarious weather conditions.  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.
BAY-SAL-19 Agricultural area in Purok 14 8°41'24.07" N 125°42'6.8" E	High	
BAY-SAL-20 Residential area in Purok 14 8°41'21.88" N 125°42'22.57" E	High	
BAY-SAL-26 Residential area in Purok 19 8°40'38.39" N 125°42'8.06" E	High	Sheet flooding at the residential area is caused by the overflowing of a nearby creek.  Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content). Conduct pre-emptive evacuation during extreme weather condition. Establish an adequate drainage system to facilitate surface water run off.
BAY-SAL-07 Residential area in Purok 7 8°41'14.5" N 125°42'31.18" E	Moderate	Some of the residential area in Purok 7 are affected with sheet flooding that comes from the overflowing of southwest flowing Wawa river.  Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels. Observe for sunken or displaced road surfaces. Conduct pre-emptive evacuation during extreme weather condition. Establish an adequate drainage system to facilitate surface water run off.
BAY-SAL-08 Residential area in Purok 7A 8°41'17.16" N 125°42'33.91" E	Moderate	Some of the residential area in Purok 7A are affected with sheet flooding that comes from the overflowing of southwest flowing Wawa river.  Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels. Observe for sunken or displaced road surfaces. Conduct pre-emptive evacuation during extreme weather condition. Establish an adequate drainage system to facilitate surface water run off.
BAY-SAL-09 Residential area in Purok 8 8°41'9.74" N 125°42'33.08" E	Moderate	Some of the residential area in Purok 8 are affected with sheet flooding that comes from the overflowing of southwest flowing Wawa river.  Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels. Observe for sunken or displaced road surfaces. Conduct pre-emptive evacuation during extreme weather condition. Establish an adequate drainage system to facilitate surface water run off.
BAY-SAL-22 Residential area in Purok 16 8°39'54.76" N 125°43'2.57" E	Low	Sheet flooding at the residential area is caused by the overflowing of a nearby creek.  Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content). Conduct pre-emptive evacuation during extreme weather condition. Establish an adequate drainage system to facilitate surface water run off.

BAY-SAL-25 Residential area in Purok 18 8°40'40.69" N 125°41'57.3" E	Low	Sheet flooding at the residential area is caused by the overflowing of Wawa river.  Recommendations: Develop an early warning system. Observe for rapid increase/decrease of water levels, possibly accompanied with increased turbidity (soil content). Conduct pre-emptive evacuation during extreme weather condition. Establish an adequate drainage system to facilitate surface water run off.	
BAY-SAL-01 Residential area in Purok 1 8°41'26.23" N 125°42'59.94" E	Low	Some portion of Purok 1 is affected with sheet flooding coming from a nearby creek.  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. Establish an adequate drainage system to facilitate surface water run off.	
BAY-SAL-03 Residential area in Purok 3 8°41'13.49" N 125°42'43.52" E		No reported case of flooding.	
BAY-SAL-04 Residential area in Purok 4 8°41'12.98" N 125°42'49.64" E			
BAY-SAL-06 Covered court in Purok 7 8°41'12.26" N 125°42'36.18" E			
BAY-SAL-10 Residential area in Purok 9 8°41'3.73" N 125°42'33.44" E			
BAY-SAL-11 Residential area in Purok 10 8°41'3.62" N 125°42'35.96" E			
BAY-SAL-12 Residential area in Purok 11 8°41'1.72" N 125°42'37.3" E			
BAY-SAL-15 Residential area in Purok 13 8°41'43.37" N 125°42'40.72" E			
BAY-SAL-24 Residential area in Purok 17 8°40'17.83" N 125°42'49.1" E			
<b>Barangay San Agustin</b>			
BAY-SNA-134	High		Flooding due to overflow of Sagmone Creek.

Purok 1 Riverside Community 8°45'21.8" N 125°40'44.6" 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). Stabilize riverbanks especially at the outer bend of the meander.
BAY-SNA-135 Purok 2 Riverside Community 8°45'22.2" N 125°40'42.9" E	High	
BAY-SNA-136 Purok 2 Riverside Community 8°45'23.9" N 125°40'40.1" E	High	
BAY-SNA-137 Purok 2 Riverside Community 8°45'23.1" N 125°40'41.3" E	High	
BAY-SNA-138 Purok 2 Riverside Community 8°45'22.4" N 125°40'45.3" E	High	
BAY-SNA-133 San Agustin Barangay Hall 8°45'20.8" N 125°40'42.4" E		No reported case of flooding.
BAY-SNA-139 Purok 1 Community 8°45'24.7" N 125°40'47" E		
BAY-SNA-140 Purok 3 Community 8°45'27.1" N 125°40'48.5" E		
BAY-SNA-141 Purok 5 Community 8°45'29.5" N 125°40'50.2" E		
BAY-SNA-142 Purok 5 Community 8°45'30.5" N 125°40'51.1" E		
BAY-SNA-143 Purok 5 Community 8°45'31.2" N 125°40'52.2" E		
BAY-SNA-144 Purok 5 Community 8°45'31.9" N 125°40'53.6" E		
BAY-SNA-145 Purok 5 Community 8°45'33.5" N 125°40'54.7" E		

BAY-SNA-146 Purok 5 Community 8°45'34.3" N 125°40'56.6" E		No reported case of flooding.
BAY-SNA-147 Purok 3 Community 8°45'23.2" N 125°40'45.9" E		
BAY-SNA-148 Purok 4 Community 8°45'19.4" N 125°40'41.1" E		
BAY-SNA-149 Purok 4 Community 8°45'18.3" N 125°40'40.7" E		
BAY-SNA-150 Purok 4 Community 8°45'16.3" N 125°40'39.7" E		
BAY-SNA-151 San Agustin Elementary School 8°45'14.9" N 125°40'38.4" E		
BAY-SNA-152 Purok 4 Community 8°45'13.5" N 125°40'38.6" E		
BAY-SNA-153 Purok 4 Community 8°45'10.4" N 125°40'37.5" E		
<b>Barangay San Isidro</b>		
BAY-SDR-08 Labaw creek in Purok 5 8°40'58.3" N 125°46'24.92" E	Very High	A southwest flowing Labaw creek overflows during perilous weather conditions causing sheet flooding to the surrounding area.  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. Avoid settlements near the creek.
BAY-SDR-09 Agricultural area in Purok 5 8°40'49.44" N 125°46'17.72" E	Moderate	Sheet flooding at the low lying agricultural area is mainly caused by the overflowing of Labaw creek.  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.
BAY-SDR-10 Agricultural area in Purok 1 8°40'40.62" N 125°46'11.71" E	Moderate	
BAY-SDR-12 Agricultural area in Purok 6 8°40'28.92" N 125°45'50.94" E	Moderate	

BAY-SDR-13 Agricultural area in Purok 6 8°40'21.79" N 125°45'51.19" E	Moderate	Sheet flooding at the low lying agricultural area is mainly caused by the overflowing of Labaw creek.  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.
BAY-SDR-14 Agricultural area in Purok 6 8°40'25.43" N 125°46'8.36" E	Moderate	
BAY-SDR-16 Agricultural area in Purok 3 8°40'25.46" N 125°46'25.64" E	Moderate	
BAY-SDR-17 Agricultural area in Purok 6 8°40'18.77" N 125°46'13.04" E	Moderate	
BAY-SDR-19 Agricultural area in Purok 4 8°40'15.35" N 125°46'29.06" E	Moderate	
BAY-SDR-01 Residential near Labaw creek in Purok 5 8°40'57.25" N 125°46'25.86" E	Moderate	Sheet flooding in the area is caused by the overflowing of the nearby Labaw creek.  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. Establish adequate drainage canal to facilitate surface water runoff.
BAY-SDR-11 Agricultural area in Purok 2 8°40'39.18" N 125°46'25.97" E	Low	Sheet flooding at the low lying agricultural area is mainly caused by the overflowing of Labaw creek.  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.
BAY-SDR-15 Agricultural area in Purok 3 8°40'33.71" N 125°46'37.02" E	Low	
BAY-SDR-18 Agricultural area in Purok 4 8°40'28.6" N 125°46'48.04" E	Low	
BAY-SDR-20 Agricultural area in Purok 4 8°40'18.8" N 125°46'44.47" E	Low	
BAY-SDR-02 San Isidro Barangay Hall 8°40'48.29" N 125°46'33.28" E		

BAY-SDR-03 Residential area in Purok 2 8°40'44.83" N 125°46'34.82" E		No reported case of flooding.
BAY-SDR-04 San Isidro Elementary School 8°40'42.82" N 125°46'39.14" E		
BAY-SDR-05 Residential area in Purok 3 8°40'38.93" N 125°46'45.73" E		
BAY-SDR-06 Residential area in Purok 4 8°40'26.22" N 125°47'0.71" E		
BAY-SDR-07 Residential area in Purok 6 8°40'32.77" N 125°45'44.57" E		
<b>Barangay San Juan</b>		
BAY-SNJ-479 Residential area, brgy. Road, bridge, Andanan River in Purok 5 8°52'29.71" N 125°49'39.83" E	Very High	Flood water level usually reaches 2 meters during rainy season (December to February) associated mainly with Andanan River water overflow.  Recommendations: Construction of important infrastructures is discouraged within the identified flooded areas. Residents living within the flooded areas are advised to do preemptive evacuation when rapid rise of water level is observed.
BAY-SNJ-467 Provincial road in Purok 1 8°51'5.04" N 125°50'7.12" E		No reported case of flooding.
BAY-SNJ-468 San Juan Brgy. Hall 8°51'21.24" N 125°50'36.28" E		
BAY-SNJ-469 Residential area, provincial road in Purok 1A 8°51'21.96" N 125°50'36.42" E		
BAY-SNJ-470 Residential area, provincial road in Purok 1A 8°51'23.98" N 125°50'41.14" E		
BAY-SNJ-471 Residential area, provincial road in Purok 12 8°52'1.13" N 125°50'41.14" E		

BAY-SNJ-472 Residential area, provincial road in Purok 12 8°52'10.7" N 125°50'43.19" E		No reported case of flooding.
BAY-SNJ-473 Provincial road in Purok 12 8°52'11.06" N 125°50'44.77" E		
BAY-SNJ-474 Provincial road in Purok 12 8°52'17.47" N 125°50'38.9" E		
BAY-SNJ-475 Provincial road in Purok 12 8°52'31.26" N 125°50'16.62" E		
BAY-SNJ-476 Brgy. Road in Purok 12 8°52'9.7" N 125°50'24.54" E		
BAY-SNJ-477 Brgy. Road in Purok 12 8°52'13.73" N 125°50'11.15" E		
BAY-SNJ-478 Brgy. Road in Purok 12 8°52'17.4" N 125°49'59.66" E		
BAY-SNJ-480 Provincial road, road cut in Purok 12 8°51'51.66" N 125°50'46.39" E		
BAY-SNJ-481 Provincial road, road cut in Purok 1 8°51'29.84" N 125°50'43.3" E		
BAY-SNJ-482 Residential area, Manpalakpak Creek in Purok 1 8°51'30.1" N 125°50'41.93" E		
BAY-SNJ-483 Provincial road in Purok 1 8°51'13.97" N 125°50'27.13" E		
BAY-SNJ-484 Provincial road in Purok 1 8°51'6.84" N 125°50'19.39" E		
BAY-SNJ-485 Provincial road, residential area in Purok 1 8°51'5.9" N 125°50'17.12" E		

BAY-SNJ-486 Provincial road in Purok 1 8°51'9.43" N 125°49'56.53" E		No reported case of flooding.
BAY-SNJ-487 Provincial road, road cut in Purok 2 8°51'8.21" N 125°49'43.93" E		
BAY-SNJ-488 Provincial road, road cut, residential area in Purok 2 8°51'8.46" N 125°49'40.8" E		
BAY-SNJ-489 Provincial road, road cut in Purok 2 8°51'8.6" N 125°49'22.62" E		
BAY-SNJ-490 Provincial road, residential area in Purok 1A 8°51'23.9" N 125°50'34.26" E		
BAY-SNJ-491 Residential area in Purok 1 8°51'17.82" N 125°50'38.51" E		
BAY-SNJ-492 Residential area in Purok 1 8°51'15.55" N 125°50'38.51" E		
BAY-SNJ-493 Proposed relocation site in Purok 1 8°51'14.08" N 125°50'42.11" E		
BAY-SNJ-494 Proposed relocation site in Purok 1 8°51'11.63" N 125°50'45.42" E		
BAY-SNJ-495 Proposed relocation site in Purok 1 8°51'12.78" N 125°50'48.16" E		
BAY-SNJ-496 Open field, back of school in Purok 1 8°51'17.64" N 125°50'44.81" E		
<b>Barangay Santa Teresita</b>		
BAY-STT-1055 Labao River in Purok 8 8°41'44.2" N 125°47'15.4" E	Very High	Overflowing of Labao River is frequently experienced in the months of December to February. Flooding in the area reaches as high as 2 meters.

		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.
BAY-STT-1041 Bayugan River in Purok 6 8°42'24.3" N 125°46'52.8" E	Very High	Worst flood in Bayugan River can be experienced in the months of January and it causes flooding in the residences in Purok 6.  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.
BAY-STT-1040 Near Bayugan river in Purok 6 8°42'25.2" N 125°46'52.7" E	High	Flooding in the area is due to the overflowing of Bayugan River. Frequent flooding is experienced 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.
BAY-STT-1054 Near Labao River in Purok 8 8°41'44.5" N 125°47'15.3" E	High	Flooding in the area is due to the overflowing of Labao River. Frequent flooding is experienced 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.
BAY-STT-1039 Near Bayugan river in Purok 6 8°42'27.8" N 125°46'53" E	Moderate	Flooding in the area is due to the overflowing of Bayugan River. Frequent flooding is experienced 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.
BAY-STT-1053 Near Labao River in Purok 8 8°41'44.8" N 125°47'15.4" E	Moderate	Flooding in the area is due to the overflowing of Labao River. Frequent flooding is experienced 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.
BAY-STT-1037 Santa Teresita Barangay Hall 8°42'44.6" N 125°46'51.8" E		No reported case of flooding.
BAY-STT-1038 Purok 6 waiting shed in Purok 6 8°42'30.7" N 125°46'53.1" E		

BAY-STT-1042 Along the road in Purok 6 8°42'18.5" N 125°46'55.6" E		No reported case of flooding.
BAY-STT-1043 Along the road in Purok 7 8°42'11.8" N 125°46'59.4" E		
BAY-STT-1044 Purok 7 waiting shed 8°42'3.9" N 125°47'2.3" E		
BAY-STT-1045 Residence in Purok 7 8°42'3.9" N 125°47'2.9" E		
BAY-STT-1046 Residence in Purok 7 8°42'5.4" N 125°47'4.6" E		
BAY-STT-1047 Along the road in Purok 7 8°42'3.3" N 125°47'10.4" E		
BAY-STT-1048 Along the road in Purok 7 8°42'3.9" N 125°47'11.9" E		
BAY-STT-1049 Along the road in Purok 7 8°42'3.8" N 125°47'12.5" E		
BAY-STT-1050 Along the road in Purok 8 8°41'52.8" N 125°47'19.9" E		
BAY-STT-1051 Purok 8 waiting shed 8°41'47.3" N 125°47'16" E		
BAY-STT-1052 Along the road in Purok 8 8°41'45" N 125°47'15.4" E		
BAY-STT-1056 Along the road in Purok 8 8°41'34.5" N 125°47'13.2" E		
BAY-STT-1057 Along the road in Purok 9 8°41'22.6" N 125°47'21.9" E		
BAY-STT-1058 Along the road in Purok 9 8°41'12.1" N 125°47'23" E		

BAY-STT-1059 Purok 9 waiting shed 8°41'7.6" N 125°47'23.2" E		No reported case of flooding.
BAY-STT-1060 Along the road in Purok 6 8°42'30.5" N 125°46'53" E		
BAY-STT-1061 Proposed relocation site in Purok 6 8°42'30.4" N 125°46'49.3" E		
BAY-STT-1062 Sinadyap Elementary School 8°42'34.8" N 125°46'56.3" E		
BAY-STT-1063 Along the barangay road in Purok 5 8°42'42.6" N 125°46'59.8" E		
BAY-STT-1064 Purok 4 waiting shed 8°42'46.9" N 125°47'10.4" E		
BAY-STT-1065 Along the road in Purok 3 8°42'47.8" N 125°46'52.8" E		
BAY-STT-1066 Along the road in Purok 3 8°42'48.4" N 125°46'52.6" E		
BAY-STT-1067 Along the road in Purok 3 8°42'49.1" N 125°46'52.4" E		
BAY-STT-1068 Purok 2 waiting shed 8°42'59.1" N 125°46'51" E		
BAY-STT-1069 Along the road in Purok 1 8°43'4.6" N 125°47'5.6" E		
BAY-STT-1070 Along the road going to Barangay Pinagalaan in Purok 1 8°43'13.1" N 125°47'19" E		
BAY-STT-1071 Along the road going to Barangay Pinagalaan in Purok 1 8°43'14.3" N 125°47'19.2" E		

BAY-STT-1072 Purok 1 waiting shed 8°43'8.9" N 125°47'10.6" E		No reported case of flooding.
BAY-STT-1073 Purok 3 waiting shed 8°42'45.2" N 125°46'53" E		
<b>Barangay Santo Niño</b>		
BAY-STN-943 Awa-an Creek in Purok 1 8°48'56.3" N 125°46'16.9" E	Very High	Flooding is only restricted along the river channel of Awa-an Creek. Frequent flooding in the creek is experienced in the months of December to February.
BAY-STN-954 Awa-an Creek in Purok 5 8°49'23.7" N 125°45'55.1" E		Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
BAY-STN-969 Andanan River in Purok 1 8°49'2.7" N 125°46'40.6" E	Very High	Severe bank erosion along the outer bend of the river is the main concern of the residents that are living near Andanan River. Frequent flooding along the river is experienced 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). Installation of river wall along the outer bend of the meander is recommended to prevent further bank erosion.
BAY-STN-944 Near Awa-an Creek in Purok 1 8°48'56.3" N 125°46'17.1" E	High	Flooding is due to the overflowing of Awa-an creek. Frequent flooding is experienced in the months of December to February.
BAY-STN-953 Near Awa-an Creek in Purok 5 8°49'23.7" N 125°45'55.1" E		Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
BAY-STN-945 Near Awa-an Creek in Purok 1 8°48'56.3" N 125°46'17.2" E	Moderate	Flooding is due to the overflowing of Awa-an creek. Frequent flooding is experienced in the months of December to February.
BAY-STN-952 Near Awa-an Creek in Purok 5 8°49'23.7" N 125°45'55" E		Recommendation: Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
BAY-STN-578 Provincial road, residential area in Purok 7 8°47'28.21" N 125°47'32.39" E		No reported case of flooding.
BAY-STN-939 Santo Niño Barangay Hall 8°48'59.7" N 125°46'36.6" E		

BAY-STN-940 Purok 1-A waiting shed 8°48'57.4" N 125°46'31.6" E		No reported case of flooding.
BAY-STN-941 Along the trail in Purok 1-A 8°48'48.1" N 125°46'26.5" E		
BAY-STN-942 Along the trail in Purok 1-A 8°48'55.1" N 125°46'22.2" E		
BAY-STN-946 Along the trail in Purok 1 8°49'0.7" N 125°46'9.5" E		
BAY-STN-947 Along the trail in Purok 1 8°49'3.5" N 125°46'6.1" E		
BAY-STN-948 Along the road in Purok 5 8°49'14" N 125°46'3.8" E		
BAY-STN-949 Purok 5 waiting shed 8°49'22" N 125°45'58.5" E		
BAY-STN-950 River bank of Awaan Creek in Purok 5 8°49'21.9" N 125°45'58.4" E		
BAY-STN-951 Near Awa-an Creek in Purok 5 8°49'23.6" N 125°45'54.9" E		
BAY-STN-955 Along the trail going to Purok 10 8°49'30" N 125°45'55.4" E		
BAY-STN-956 Along the trail going to Purok 10 8°49'37.3" N 125°45'55.5" E		
BAY-STN-957 Along the trail going to Purok 10 8°49'43.5" N 125°45'52.7" E		
BAY-STN-958 Along the trail going to Purok 10 8°49'46.6" N 125°45'51.4" E		

BAY-STN-959 Along the trail going to Purok 10 8°49'50.4" N 125°45'50.3" E		No reported case of flooding.
BAY-STN-960 Along the trail going to Purok 10 8°49'56.1" N 125°45'50.1" E		
BAY-STN-961 Along the trail going to Purok 10 8°49'59.6" N 125°45'46.9" E		
BAY-STN-962 Along the trail going to Purok 10 8°50'3.5" N 125°45'47.3" E		
BAY-STN-963 Along the trail going to Purok 10 8°49'54.1" N 125°45'50.3" E		
BAY-STN-964 Along the trail going to Purok 10 8°49'14.1" N 125°46'30.2" E		
BAY-STN-965 Corn field in Purok 1 8°49'7.8" N 125°46'31.8" E		
BAY-STN-966 Along the road in Purok 1 8°49'14.8" N 125°46'33.9" E		
BAY-STN-967 Along the road in Purok 1 8°49'10.9" N 125°46'40.3" E		
BAY-STN-968 Near Andanan River in Purok 1 8°49'3.4" N 125°46'39.8" E		
BAY-STN-970 Barangay Office 8°48'58.8" N 125°46'39" E		
BAY-STN-971 Santo Niño Elementary School 8°48'52" N 125°46'33.8" E		

BAY-STN-972 Along the trail in Purok 1-A 8°48'46.8" N 125°46'40.2" E		No reported case of flooding.
BAY-STN-973 Purok 3 waiting shed 8°48'38.6" N 125°46'41.7" E		
BAY-STN-974 Along the trail in Purok 3 8°48'27" N 125°46'38.6" E		
BAY-STN-975 Along the trail in Purok 2 8°48'20" N 125°46'36.9" E		
BAY-STN-976 Along the trail in Purok 2 8°48'11.8" N 125°46'32.4" E		
BAY-STN-977 Purok 2 proper 8°47'54.1" N 125°46'21.6" E		
BAY-STN-978 Purok 2 waiting shed 8°47'50.5" N 125°46'22.4" E		
BAY-STN-979 Near the riverbank of Andanan River in Purok 2 8°47'48.3" N 125°46'24.7" E		
BAY-STN-980 Along the trail in Purok 2 8°47'44.2" N 125°46'28.1" E		
BAY-STN-981 Along the trail in Purok 2 8°47'35.5" N 125°46'35.7" E		
BAY-STN-982 Along the trail in Purok 2 8°48'21.8" N 125°47'53.9" E		
BAY-STN-983 Purok 8 waiting shed 8°48'15.3" N 125°47'49.4" E		
BAY-STN-984 Boundary between Purok 9 and 8 8°47'58.1" N 125°47'37.9" E		
BAY-STN-985 New Leyte Elementary School 8°47'50.3" N 125°47'30.6" E		

BAY-STN-986 Purok 9 waiting shed 8°47'48.1" N 125°47'30.8" E		No reported case of flooding.
BAY-STN-987 Along the road in Purok 9 8°47'47.1" N 125°47'31.6" E		
BAY-STN-988 Along the road in Purok 7 8°47'33.7" N 125°47'10.1" E		
BAY-STN-989 Purok 7 waiting shed 8°47'17.8" N 125°47'11.5" E		
<b>Barangay Sta. Irene</b>		
BAY-STR-550 Irrigation in Purok 6 8°44'25.44" N 125°44'59.78" E	Very High	Flood water level usually above 2 meters during rainy season (December to February) associated with creek overflow. River channel migration has occurred.  Recommendations: Construction of important infrastructures must consider building engineering design to address the flood related hazards. Monitor rapid rise of river water level and avoid crossing when flooded.
BAY-STR-552 Irrigation in Purok 2 8°44'16.04" N 125°44'47.33" E	Very High	Flood water level usually above 2 meters during rainy season (December to February) associated with irrigation and river water overflow. River channel migration has occurred.  Recommendations: Construction of important infrastructures must consider building engineering design to address the flood related hazards. Monitor rapid rise of river water level and avoid crossing when flooded.
BAY-STR-553 Andanan River, Irrigation in Purok 6 8°44'19.18" N 125°44'44.99" E	Very High	Flood water level usually above 2 meters during rainy season (December to February) associated with river water overflow. River channel migration has occurred. Irrigation line was severely damaged.
BAY-STR-551 Irrigation in Purok 6 8°44'33.54" N 125°45'5.08" E		Recommendations: Construction of important infrastructures must consider building engineering design to address the flood related hazards. Monitor rapid rise of river water level and avoid crossing when flooded.
BAY-STR-556 Residential, agricultural, RCP in Purok 2 8°43'37.2" N 125°44'47.9" E	High	Flood water level usually reaches 2 meters during rainy season (December to February) associated with stream and irrigation water overflow. Relatively small reinforced concrete pipe (RCP) aggravated the effects of flooding.  Recommendations: Construction of important infrastructures must consider building engineering design to address the flood related hazards. Monitor rapid rise of river water level and avoid crossing road when flooded.
BAY-STR-539 View of Purok 7 8°44'24.14" N 125°45'20.3" E	Moderate	Flood water level usually reaches 1 meter during rainy season (December to February) associated with creek overflow.  Recommendations: Construction of important infrastructures must consider building engineering design to address the flood related hazards. Monitor rapid rise of river water level and avoid crossing road when flooded.
BAY-STR-557	Moderate	Flood water level usually reaches 1 meter during rainy season

Residential, agricultural, Box culvert in Purok 3 8°43'26.18" N 125°44'37.86" E		(December to February) associated with stream water overflow.  Recommendations: Construction of important infrastructures must consider building engineering design to address the flood related hazards. Monitor rapid rise of river water level and avoid crossing when flooded.
BAY-STR-502 Provincial Road in Purok 5 8°45'9.61" N 125°46'5.48" E		No reported case of flooding.
BAY-STR-534 Residential area in Purok 1 8°43'55.13" N 125°45'3.56" E		
BAY-STR-535 Residential area, provincial road in Purok 1 8°44'5.46" N 125°45'8.21" E		
BAY-STR-536 Sta. Irene Elementary School, residential area, provincial road 8°44'5.93" N 125°45'6.66" E		
BAY-STR-537 Provincial road in Purok 1 8°44'11.62" N 125°45'9.76" E		
BAY-STR-538 Provincial road in Purok 1 8°44'19.14" N 125°45'15.3" E		
BAY-STR-540 Provincial road in Purok 4 8°44'28.18" N 125°45'24.05" E		
BAY-STR-541 Provincial road in Purok 4 8°44'38.98" N 125°45'27.65" E		
BAY-STR-542 Provincial road in Purok 4 8°44'43.26" N 125°45'24.7" E		
BAY-STR-543 Provincial road in Purok 4 8°44'45.38" N 125°45'23.36" E		
BAY-STR-544 Provincial road in Purok 5 8°44'53.59" N 125°45'20.12" E		
BAY-STR-545 Provincial road in Purok 5 8°45'0.32" N 125°45'33.34" E		

BAY-STR-546 Provincial road in Purok 5 8°45'0.22" N 125°45'39.42" E		No reported case of flooding.
BAY-STR-547 Provincial road in Purok 5 8°44'59.6" N 125°45'50.36" E		
BAY-STR-548 Provincial road in Purok 5 8°44'56.15" N 125°45'24.98" E		
BAY-STR-549 Provincial road in Purok 6 8°44'13.88" N 125°44'57.19" E		
BAY-STR-554 Provincial road in Purok 2 8°43'55.78" N 125°44'53.3" E		
BAY-STR-555 Irrigation, residential area in Purok 2 8°43'44.8" N 125°44'47.51" E		
<b>Barangay Taglatawan</b>		
BAY-TGL-436 Bayugan River bank in Purok 10 8°42'25.92" N 125°45'26.57" E	Very High	Flood water level is usually greater than 2 meters during rainy season (December to February) associated mainly with Bayugan River water overflow.
BAY-TGL-443 River bank in Purok 10 8°42'30.78" N 125°45'12.53" E	Very High	Recommendations: Construction of important infrastructures is discouraged within the identified flooded areas. Monitor rapid rise of river water level and immediately conduct preemptive evacuation. Clear river channel from debris that may aggravate flooding effects. Detailed geological assessment is recommended prior to designing long term engineered mitigating measure (e.g. dike, etc.).
BAY-TGL-451 Brgy. Road, residential area, river bank in Purok 4 8°43'6.2" N 125°45'23.76" E	Very High	
BAY-TGL-448 River bank (Bayugan River Tributary), residential and commercial area in Purok 5 8°42'53.5" N 125°45'10.76" E	High	
BAY-TGL-449 Brgy. Road, residential area in Purok 5 8°42'56.81" N 125°45'15.77" E		
BAY-TGL-435 Brgy. Road, residential area in Purok 10 8°42'29.02" N 125°45'25.45" E	Moderate	Flood water level usually reaches 1 meter during rainy season (December to February) associated mainly with Bayugan River water overflow.  Recommendations: Construction of important infrastructures is discouraged within the identified flooded areas. Monitor rapid rise of river water level and immediately conduct preemptive

		evacuation. Clear river channel from debris that may aggravate flooding effects. Detailed geological assessment is recommended prior to designing long term engineered mitigating measure (e.g. dike, etc.).
BAY-TGL-430 Purok 8 8°42'35.78" N 125°45'40.32" E		No reported case of flooding.
BAY-TGL-431 Bayugan River bank in Purok 8 8°42'35.24" N 125°45'40.75" E		
BAY-TGL-432 Brgy. Road, residential area in Purok 8 8°42'48.67" N 125°45'31.28" E		
BAY-TGL-433 Brgy. Road, residential area in Purok 10 8°42'34.38" N 125°45'26.64" E		
BAY-TGL-434 Brgy. Road, residential area in Purok 10 8°42'35.39" N 125°45'23" E		
BAY-TGL-437 Market, road, residential area in Purok 10 8°42'32.22" N 125°45'25.63" E		
BAY-TGL-438 Built up commercial area, bus terminal in Purok 3 8°42'41.15" N 125°45'23.69" E		
BAY-TGL-439 Market, road, residential area in Purok 3 8°42'44.46" N 125°45'22.93" E		
BAY-TGL-440 Brgy. Road, residential area in Purok 2A 8°42'44.64" N 125°45'18.94" E		
BAY-TGL-441 Brgy. Road, residential area in Purok 2B 8°42'43.16" N 125°45'17.57" E		
BAY-TGL-442 Brgy. Road, residential area in Purok 2C 8°42'32.83" N 125°45'13.39" E		

BAY-TGL-444 Road, residential area in Purok 1B 8°42'40.18" N 125°45'12.92" E		No reported case of flooding.
BAY-TGL-445 Brgy. Road, residential area in Purok 1A 8°42'47.45" N 125°45'10.84" E		
BAY-TGL-446 Brgy. Road, residential area in Purok 1A 8°42'51.8" N 125°45'14.76" E		
BAY-TGL-447 River bank (Bayugan River Tributary), residential and commercial area in Purok 1A 8°42'52.99" N 125°45'10.84" E		
BAY-TGL-450 Brgy. Road, residential area in Purok 11 8°43'1.85" N 125°45'20.66" E		
BAY-TGL-452 Brgy. Road, residential area in Purok 4 8°42'55.8" N 125°45'23.15" E		
BAY-TGL-453 Brgy. Road, residential area in Purok 7B 8°42'52.56" N 125°45'32" E		
BAY-TGL-454 Brgy. Road, residential area in Purok 7A 8°43'0.84" N 125°45'32.87" E		
<b>Barangay Taglibas</b>		
BAY-TLB-02 Along the Barangay road in Purok 3 8°46'16.7" N 125°41'36.1" E	High	Area is prone to flooding and flashfloods.  Recommendations: Implement flood control measures. Construction of houses along creek/river banks should be monitored and prohibited/discouraged.
BAY-TLB-03 Residential area in Purok 3 8°46'14.8" N 125°41'37.5" E	High	
BAY-TLB-04 Agricultural area in Purok 3 8°46'13.1" N 125°41'40.6" E	High	
BAY-TLB-05	Moderate	Area is prone to flooding and flashfloods.

Agricultural area in Purok 3 8°46'4.3" N 125°41'45.2" E		Recommendations: Implement flood control measures. Construction of houses along creek/river banks should be monitored and prohibited/discouraged.
BAY-TLB-06 Residential and agricultural area in Purok 3 8°46'5" N 125°41'31.3" E	Moderate	
BAY-TLB-07 Residential and agricultural area in Purok 3 8°46'6" N 125°41'30.5" E	Moderate	
BAY-TLB-20 Agricultural area in Purok 11 8°45'59.19" N 125°41'43.22" E	Moderate	Located near/along a creek. This area experiences flash flood/sheet floods during heavy rains.  Recommendations: Future habitation and construction of structures in identified flood-prone areas are discouraged. Develop a good drainage system to prevent flooding.
BAY-TLB-08 Agricultural area in Purok 3 8°46'11.1" N 125°41'17.4" E	Low	Located near/along a creek. This area experiences flash flood/sheet floods during heavy rains.  Recommendations: Future habitation and construction of structures in identified flood-prone areas are discouraged. Develop a good drainage system to prevent flooding.
BAY-TLB-09 Agricultural area in Purok 3 8°46'14.1" N 125°41'10.5" E	Low	
BAY-TLB-10 Agricultural area in Purok 3 8°46'16.9" N 125°41'4.3" E	Low	
BAY-TLB-11 Agricultural area in Purok 3 8°46'16.9" N 125°41'3.3" E	Low	
BAY-TLB-12 Water Source in Purok 3 8°46'18.3" N 125°40'59.9" E	Low	
BAY-TLB-13 Water Source in Purok 3 8°46'18.4" N 125°40'59.9" E	Low	
BAY-TLB-01 Residential area in Purok 2 8°46'0.1" N 125°41'21.4" E		
BAY-TLB-14 Agricultural area in Purok 3 8°46'18" N 125°41'0.5" E		
BAY-TLB-15 Agricultural area in Purok 2 8°46'2.4" N 125°41'26.1" E		

BAY-TLB-16 Residential area in Purok 2 8°45'59.6" N 125°41'22.8" E		Located on a roughly elevated terrain. No reported case of flooding.
BAY-TLB-17 Residential area in Purok 1 8°45'57" N 125°41'19.6" E		
BAY-TLB-18 Residential and agricultural area in Purok 1 8°45'55" N 125°41'16.5" E		
BAY-TLB-19 Residential and agricultural area in Purok 1 8°45'55" N 125°41'16.5" E		
<b>Barangay Tagubay</b>		
BAY-TBY-86 Purok 7 Riverside Community 8°46'36.7" N 125°43'37.9" E	High	Some settlements in the Purok are situated approximately 10 meters away from the stream.  Recommendations: Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains. Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content).
BAY-TBY-100 Purok 6 Community 8°46'17.2" N 125°43'28.2" E		No reported case of flooding.
BAY-TBY-101 Along the road purok 6 8°46'35.7" N 125°43'32.5" E		
BAY-TBY-102 Purok 6 Community 8°46'38.2" N 125°43'31.6" E		
BAY-TBY-103 Along the road purok 7 8°47'5" N 125°43'57.7" E		
BAY-TBY-82 Tagubay Barangay Hall 8°46'12.2" N 125°43'18" E		
BAY-TBY-83 Purok 6 Community 8°46'33.6" N 125°43'32.8" E		
BAY-TBY-84 Purok 6 Community 8°46'33.7" N 125°43'32.7" E		

BAY-TBY-85 Purok 7 Community 8°46'35.1" N 125°43'34.8" E		No reported case of flooding.
BAY-TBY-87 Along the road Purok 7 8°46'42.3" N 125°43'42" E		
BAY-TBY-88 Along the road Purok 7 8°46'51.2" N 125°43'44.1" E		
BAY-TBY-89 Along the road Purok 7 8°46'55.8" N 125°43'42.9" E		
BAY-TBY-90 Along the road Purok 7 8°46'31.7" N 125°43'31.9" E		
BAY-TBY-91 Purok 5 Community 8°46'28.7" N 125°43'31.2" E		
BAY-TBY-92 Along the road Purok 5 8°46'26.9" N 125°43'30.8" E		
BAY-TBY-93 Purok 4 Community 8°46'20.8" N 125°43'30.1" E		
BAY-TBY-94 Purok 3 Community 8°46'16.4" N 125°43'27.2" E		
BAY-TBY-95 Along the road Purok 3 8°46'14" N 125°43'20.6" E		
BAY-TBY-96 Purok 2 Community 8°46'9.8" N 125°43'17.6" E		
BAY-TBY-97 Purok 1 Community 8°46'6.8" N 125°43'15.1" E		
BAY-TBY-98 Along the road Purok 1 8°46'6" N 125°43'13.4" E		
BAY-TBY-99 Purok 2 Community 8°46'14.5" N 125°43'23.2" E		
<b>Barangay Verdu</b>		
BAY-VRD-181 Agriland in Purok 5	Very High	Flooding due to overflowing of Wawa River.

8°42'36.7" N 125°42'49.7" 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). Observe for sunken or displaced road surface. Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains.
BAY-VRD-212 Purok 5 Community area and agriland 8°42'30.7" N 125°42'32.6" E	Very High	
BAY-VRD-226 Agriland in Purok 5 8°42'40.1" N 125°42'36.6" E	Very High	
BAY-VRD-218 Purok 7 Agriland and Community area 8°42'19.1" N 125°42'12.8" E	High	Flooding due to overflowing of a creek connected to Wawa 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). Observe for sunken or displaced road surface. Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains.
BAY-VRD-219 Purok 7 Agriland and Community area 8°42'16.7" N 125°42'11.4" E		
BAY-VRD-200 Purok 4 Community area 8°43'4.7" N 125°42'26" E	High	Flooding due to overflowing of Wawa 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). Observe for sunken or displaced road surface. Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains.
BAY-VRD-201 Barangay road in Purok 4 8°43'1.8" N 125°42'27" E	High	
BAY-VRD-202 Purok 4 Community area 8°43'0.1" N 125°42'26.9" E	High	
BAY-VRD-203 Purok 4 Community area 8°42'59" N 125°42'28.5" E	High	
BAY-VRD-204 Purok 4 Community area 8°42'57.1" N 125°42'28" E	High	
BAY-VRD-205 Barangay road and agriland in Purok 4 8°42'54.9" N 125°42'29.5" E	High	
BAY-VRD-206 Barangay road and agriland in Purok 4 8°42'54.4" N 125°42'30.2" E	High	
BAY-VRD-207 Barangay road and agriland in Purok 4 8°42'50.2" N 125°42'32.1" E	High	

BAY-VRD-208 Barangay road and agriland in Purok 5 8°42'44.2" N 125°42'33.9" E	High	<p>Flooding due to overflowing of Wawa River.</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). Observe for sunken or displaced road surface. Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains.</p>
BAY-VRD-209 Barangay road and agriland in purok 5 8°42'39.8" N 125°42'31.6" E	High	
BAY-VRD-210 Purok 5 Community area 8°42'39.1" N 125°42'31.3" E	High	
BAY-VRD-211 Purok 5 Community area 8°42'35.3" N 125°42'29.9" E	High	
BAY-VRD-213 Barangay road in Purok 6 8°42'37.2" N 125°42'18.6" E	High	
BAY-VRD-214 Agriland in Purok 7 8°42'27.2" N 125°42'18.1" E	High	
BAY-VRD-215 Agriland in Purok 7 8°42'23.3" N 125°42'16.9" E	High	
BAY-VRD-216 Agriland in Purok 7 8°42'22.7" N 125°42'15.8" E	High	
BAY-VRD-217 Purok 7 Agriland and Community area 8°42'21.8" N 125°42'13.4" E	High	
BAY-VRD-220 Purok 7 Agriland and Community area 8°42'14" N 125°42'8.3" E	High	
BAY-VRD-221 Purok 7 Community area 8°42'15.2" N 125°42'3.6" E	High	
BAY-VRD-222 Purok 7 Community area 8°42'15.4" N 125°42'2.4" E	High	
BAY-VRD-223 Purok 7 Community area 8°42'17.8" N 125°42'3.6" E	High	
BAY-VRD-182 Verdu Barangay hall 8°43'23.7" N	Moderate	<p>Flooding due to overflowing of Kaulingnang Creek.</p> <p>Recommendations: Develop an early warning system (e.g.,</p>

125°42'17.7" E		signage). Observe for rapid increase/decrease in river/creek water level, possibly accompanied by increased turbidity (soil/rock content). Observe for sunken or displaced road surface. Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains.
BAY-VRD-183 Verdu Elementary School 8°43'28.1" N 125°42'15.5" E	Moderate	
BAY-VRD-184 Purok 1 School And Community 8°43'28.3" N 125°42'16" E	Moderate	
BAY-VRD-185 Barangay road in Purok 1A 8°43'38" N 125°42'11.9" E	Moderate	<p>Flooding due to overflowing of Tagpungi Creek.</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). Observe for sunken or displaced road surface. Advise for pre-emptive evacuation during inclement weather condition and occasions of heavy and prolonged rains.</p>
BAY-VRD-224 Purok 6 Community area 8°42'38.3" N 125°42'5.6" E	Moderate	<p>Flooding due to overflowing of Wawa River.</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>
BAY-VRD-225 Purok 6 Community area 8°42'38" N 125°42'5" E		
BAY-VRD-186 Purok 1A Community 8°43'50.6" N 125°42'6.5" E		No reported case of flooding.
BAY-VRD-187 Barangay road in Purok 1A 8°43'54.9" N 125°42'4.4" E		
BAY-VRD-188 Purok 1A Community 8°43'51.9" N 125°42'5.9" E		
BAY-VRD-189 Purok 1A Community 8°43'49.6" N 125°42'6.9" E		
BAY-VRD-190 Purok 1A Community 8°43'47.1" N 125°42'8.1" E		
BAY-VRD-191 Purok 1A Community 8°43'44.1" N 125°42'9.3" E		
BAY-VRD-192 Purok 1A Community 8°43'41.8" N 125°42'10.3" E		
BAY-VRD-193 Purok 1A Community 8°43'39.7" N 125°42'11.1" E		

BAY-VRD-194 Purok 1A Community 8°43'36.7" N 125°42'12.6" E		No reported case of flooding.
BAY-VRD-195 Purok 1A Community 8°43'32.7" N 125°42'14.3" E		
BAY-VRD-196 Purok 1 Community area 8°43'30.4" N 125°42'14.8" E		
BAY-VRD-197 Purok 2 Community area 8°43'21.1" N 125°42'18.8" E		
BAY-VRD-198 Purok 2 Community area 8°43'16.3" N 125°42'21" E		
BAY-VRD-199 Purok 3 Community area 8°43'10.7" N 125°42'23.3" E		
<b>Barangay Villa Undayon</b>		
BAY-VLO-336 Riverside Community in Purok Wakay Wakay 8°43'48.5" N 125°51'25.4" E	High	Riverside community is highly susceptible to flooding.  Recommendations: Develop an early warning system (e.g., signage). 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). Use Multipurpose Hall as evacuation center during extreme weather condition.
BAY-VLO-312 Along the Road purok 6 8°45'31.4" N 125°52'8.6" E		No reported case of flooding.
BAY-VLO-313 Purok 6 Community 8°45'18" N 125°52'15.5" E		
BAY-VLO-314 Purok 6 Community 8°45'16.8" N 125°52'15.7" E		
BAY-VLO-315 Along the Road purok 6 8°44'58.5" N 125°51'57.7" E		
BAY-VLO-316 Along the Road purok 6 8°44'50.5" N 125°52'0.8" E		
BAY-VLO-317 Along the Road purok 6 8°44'39.7" N 125°51'57.6" E		

BAY-VLO-318 Along the Road purok 6 8°44'36.8" N 125°51'58.4" E		No reported case of flooding.
BAY-VLO-319 Along the Road purok 6 8°44'32.7" N 125°51'57" E		
BAY-VLO-320 Along the Road purok 6 8°44'28.7" N 125°51'55.9" E		
BAY-VLO-321 Along the Road purok 6 8°44'18.9" N 125°51'54.4" E		
BAY-VLO-322 Along the Road purok 6 8°44'9.6" N 125°51'55.7" E		
BAY-VLO-323 Purok 1A Community 8°44'6.8" N 125°51'37.2" E		
BAY-VLO-324 Purok 1A Community 8°43'47.4" N 125°51'29.7" E		
BAY-VLO-325 Purok 1B Community 8°43'47.4" N 125°51'29.7" E		
BAY-VLO-326 Purok 1B Community 8°43'41.9" N 125°51'22.8" E		
BAY-VLO-327 Purok 1B Community 8°43'37.7" N 125°51'21" E		
BAY-VLO-328 Purok 1B Community 8°43'31.1" N 125°51'9.8" E		
BAY-VLO-329 Purok 1B Community 8°43'18.8" N 125°51'5.6" E		
BAY-VLO-330 Purok 3 Community 8°43'15.6" N 125°51'8.1" E		
BAY-VLO-331 Purok 2 Community 8°43'29.8" N 125°51'5.3" E		

BAY-VLO-332 Purok 4 community 8°43'47" N 125°51'38.7" E		No reported case of flooding.
BAY-VLO-333 Purok 1C community 8°43'44.6" N 125°51'36.4" E		
BAY-VLO-334 Along the road Purok 4 8°43'24" N 125°51'38.51" E		
BAY-VLO-335 Along the road Purok 4 8°43'49.9" N 125°51'35.9" E		
<b>Barangay Wawa (Del Carmen)</b>		
BAY-WAW-04 Agricultural area in Purok 3 8°48'10.2" N 125°42'18.4" E	High	The area is susceptible to flash floods and sheet floods during heavy rains. Strong erosion/scouring of river banks and abundant sediment and debris load have been observed along the river.
BAY-WAW-06 Artifacts in Purok 3 8°48'15.36" N 125°42'29.84" E		Recommendations: Desiltation of river channel may be an option. Develop an early warning system such as warning/information signage and conduct IECs.
BAY-WAW-12 Residential area in Purok 4 8°47'57.4" N 125°42'31.2" 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.
BAY-WAW-20 Agricultural area in Purok 2 8°47'26.6" N 125°42'48.9" E	Moderate	
BAY-WAW-21 Residential and agricultural area in Purok 2 8°47'22.74" N 125°42'47.96" E	Moderate	
BAY-WAW-22 Residential and agricultural area in Purok 2 8°47'24.1" N 125°42'40.8" E	Moderate	
BAY-WAW-03 Residential and agricultural area in Purok 3 8°48'5.77" N 125°42'25.76" E	Moderate	The area is susceptible to flash floods and sheet floods during heavy rains. Strong erosion/scouring of river banks and abundant sediment and debris load have been observed along the river.
BAY-WAW-05 Residential area in Purok 3 8°48'13.7" N 125°42'23.4" E		Recommendations: Desiltation of river channel may be an option. Develop an early warning system such as warning/information signage and conduct IECs.
BAY-WAW-07 Along the road in Purok 3 8°48'10.2" N 125°42'28.5" E	Low	No recorded flooding in the area. Improve drainage system to prevent flooding.

BAY-WAW-08 Along the road in Purok 3 8°48'3.89" N 125°42'33.74" E	Low	No recorded flooding in the area. Improve drainage system to prevent flooding.
BAY-WAW-09 Along the road in Purok 3 8°48'1.5" N 125°42'34.15" E	Low	
BAY-WAW-10 Along the road in Purok 3 8°47'58.89" N 125°42'34.25" E	Low	
BAY-WAW-11 Residential area in Purok 1 8°47'55.65" N 125°42'35.28" E	Low	
BAY-WAW-13 Along the road in Purok 4 8°47'57.1" N 125°42'30.2" E	Low	
BAY-WAW-14 Residential area in Purok 4 8°48'2.81" N 125°42'37.03" E	Low	
BAY-WAW-15 Agricultural area in Purok 5 8°47'43.2" N 125°42'52.3" E	Low	
BAY-WAW-16 Agricultural area in Purok 5 8°47'36.4" N 125°42'50.1" E	Low	
BAY-WAW-17 Residential and agricultural area in Purok 2 8°47'33.9" N 125°42'52.5" E	Low	
BAY-WAW-18 Residential and agricultural area in Purok 2 8°47'29.12" N 125°43'2.81" E	Low	
BAY-WAW-19 Agricultural area in Purok 2 8°47'32" N 125°42'59.9" E	Low	
BAY-WAW-23 Coconut Plantation in Purok 2 8°47'23.9" N 125°42'37.7" E	Low	

<p>BAY-WAW-01 Residential area in Purok 3 8°48'9.7" N 125°42'24.7" E</p>	<p>Low</p>	<p>The area is relatively higher than the river. Sheet flood occurs during heavy rains.</p>
<p>BAY-WAW-02 Residential area in Purok 3 8°48'11.6" N 125°42'31.2" E</p>		<p>Recommendation: Improve drainage system to prevent flooding.</p>

## PHOTOS

### Barangay Berseba



Barangay road, Purok 6. Photo showing gully formation in Purok 6. Note for the abandoned houses. Soil creep was also observed in the area. Minor landslides were observed adjacent to the area indicating unstable slope. GPS Coordinate: 125°8'25.8" E 8°51'6.2" N



Road cut, Purok 10. Photo showing a mitigated slope in Purok 10. Although benching was applied, few portions of this slope continue to collapse. GPS Coordinates: 125°8'48.8" E 8°49'16.1" N

**Barangay Bucac**



Images of Hamogaway Creek at Purok 1 with active river bank erosion(left) and Labaw Creek at Purok 6 (right).



Areas affected by sheet flooding coming from the overflowing Hamogaway Creek at Purok 1 (left) and from Labaw Creek at Purok 5 (right).

**Barangay Cagbas**



Bayugan River, Purok 1. Very High. Photo showing Bayugan River draining towards Wawa River. Frequently flooded during typhoon season and heavy rainfall. Highest recorded flooding was during Typhoon Agaton where floodwater reached up to 5 meters. Bayugan River serves as boundary between Barangay Poblacion and Barangay Cagbas. View towards downstream of the river. GPS Coordinates: 125°44'21.8" E 8°42'30.9" N



Cagbas Creek, Purok 4-B. High. Photo showing Cagbas Creek that serves as boundary between Barangay Cagbas and Barangay Salvacion. Frequently flooded during typhoon and heavy rainfall. Highest flood recorded was during typhoon Agaton where flood water reached up to 1.8 meters high. GPS Coordinates: 125°43'7.8" E 8°41'33.4" N

## Barangay Calaitan

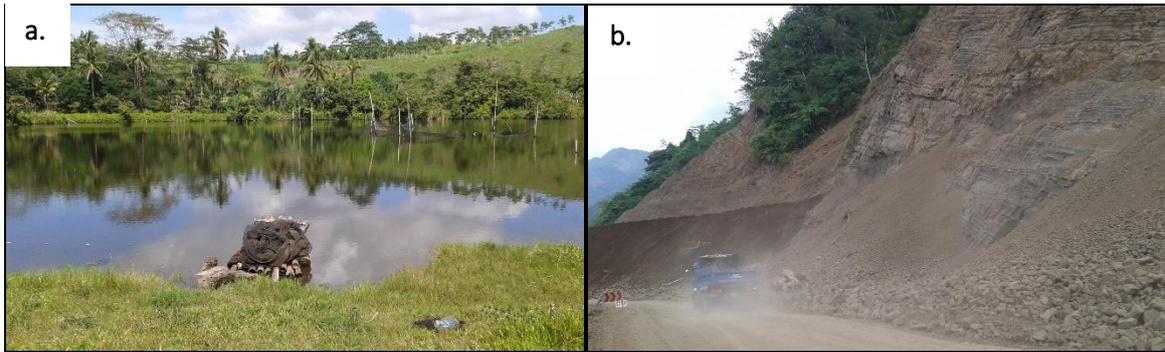


Photo a. Lake along Purok 7 affected by low level flooding during rainy season. b. Active earthmoving works along the provincial road going to Brgy. San Juan. Shown also are steep road cut exposing the tilted sedimentary rocks and talus material generated during excavation.

## Barangay Charito



Culvert/Labao Creek, Sitio Azucena. Photo showing a culvert that was destroyed during Typhoon Agaton. Scouring of bank is active. Area is inaccessible during flooding. Flood water reaches up to 2.7 meters. GPS Coordinates: 125°45'29.8" E 8°39'52.8" N



Creek, Purok 2. Photo showing a creek traversing Purok 2 proper. Water from rice paddies/NIA canal is adding water to this creek aggravating flooding hazards during heavy rainfall. Purok 2 experienced 0.8 m flood. GPS Coordinates: 125°45'21.8" E 8°39'33.2" N

**Barangay Claro Cortez**



Photo A and B shows settlements in Purok 6 that experiences up to 0.5m depth of flood during intense downpour of rain. Photo C is an intermittent creek in Purok 5 that causes flooding in the area.

**Barangay Fili**



Photos A and B. The area is highly prone to high flooding mainly associated with creek overflowing (a tributary to Andanan River) adjacent to the residential area. Flood depths on this area could reach about 2meters (localized). Photo C. Clogged drainage canal due to improper garbage disposal.

**Barangay Gamao**



Mahabo Creek, Purok 5. Photo showing Mahabo Creek and NIA dam gate. Frequently flooded during heavy rainfall. Situation is becomes worst when NIA releases water from the dam. GPS Coordinates: 125°43'29.3" E 8°39'14.8" N



Mahabo Creek, Purok 1. Mahabo Creek is frequently flooded during heavy rainfall aggravated during water release from NIA dam. Photo taken upstream. GPS Coordinates: 125°44'28.5" E 8°39'49.2" N

**Barangay Getsemane**



Photo of Sianib River in which flood height reaches as high as 2m. Flooding is restricted along river channel. (Geographic Location: 8° 45' 27.7" N 125° 50' 31.6" E)

**Barangay Hamogaway**



Photos. Flooded segments of Maytibog River in Purok 6 (a.), Purok 4B (b.) and Purok 3 (c.) affected by flooding during rainy season. Junction of Maytibog and Bayugan Rivers both eventually drain to Wawa River (d.).

**Barangay Katipunan**



Purok 9 (8° 36' 21.8" N, 125° 48' 43.3"E) Very high. This photo shows a local resident pointing at the approximate flood water level in the area.



Purok 9 (8° 36' 21.9" N 125° 48' 49.4"E) Photo showing the approximate flood level (red line) reported by the purok residents. Flood height is approximately 2.5 meters.

**Barangay Mabuhay**



Photo A and B. Localized landslide (20m) in Purok 4 during Bagyong Pablo.



Terracets along the road cut of Purok 4. Mass movement is triggered by ground saturation during intense rain.



Intense riverbank erosion in Wawa River. This river overflows, caused flooding to portions of the rice paddies.

**Barangay Mahayag**



Purok 3 (8° 47' 48.9"N, 125° 45' 10.2"E) Very High. This photo show tension cracks along barangay road in Purok 3, measuring approximately 100m trending SE.



Purok 2 (8° 47' 53.1" N, 125° 45' 0.1"E). A photo showing the residential area in Purok 2. The area is underlain by steeply dipping sedimentary rocks.

### **Barangay Marcelina**



Panaytay Creek, Purok 1. Photo showing Panaytay Creek with normal water level of about 0.3m. During heavy downpour flood water reaches up to 2.0 meter high. Bank erosion is active. GPS Coordinates: 125°46'26.7" E 8°39'37.4" N



Hagab Creek, Purok 4. Photo showing Hagab Creek near Purok 4 draining to Panaytay Creek. Flood height reaches up to 1.4 meters high. GPS Coordinates: 125°46'7.7" E 8°39'51.6" N

### **Barangay Maygatasan**



Wawa River, Hanging Bridge. Photo showing lateral spreading caused by bank erosion along Wawa River. Flood water level usually above 5 meters during rainy season (December to February) associated with river water overflow. River channel migration has occurred. GPS Coordinates: 125°42'50.8" E 8°42'39.31" N



Andanan River, Purok 7. Photo showing Andanan River passing Purok 7. Worst flooding occurred during typhoon Agaton. Flood height reached up to 5 meters. GPS Coordinates: 125°44'2.6" E 8°43'45.7" N

### **Barangay Montevista**

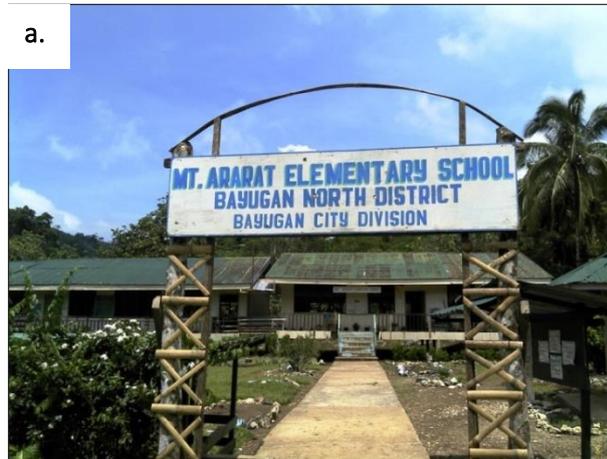


Purok 5 (8° 43' 21" N, 125° 40' 38.3"E) Photo showing segment of Kubo River, where active bank erosion has been mapped. The area is also flooded during rainy season.

**Barangay Mt. Ararat**



Intermittent creek at Purok 1 which causes sheet flooding in the surrounding area (left) and Minto Creek at Purok 3 Sitio Moriah which overflows to the adjacent residential areas (right).



Photos. Mt. Ararat Elementary School at Purok 8 situated within a flat to gently rolling terrain (a) and New Moriah Adventist Elementary School located near base of slope (b). Residential area at Purok 1 (c) on a gently rolling ground and Purok 6 (d).

**Barangay Mt. Carmel**



Clockwise: Images of residential areas along steep slopes in the following puroks; Purok 1A, Purok 3A, Purok 7A and Purok 7C.



Image of Wilderness Elementary School at Purok 7A (left) and Mt. Carmel National High School at Purok 4 (right) both are situated near steep sloping ground.

## Barangay Mt. Olive

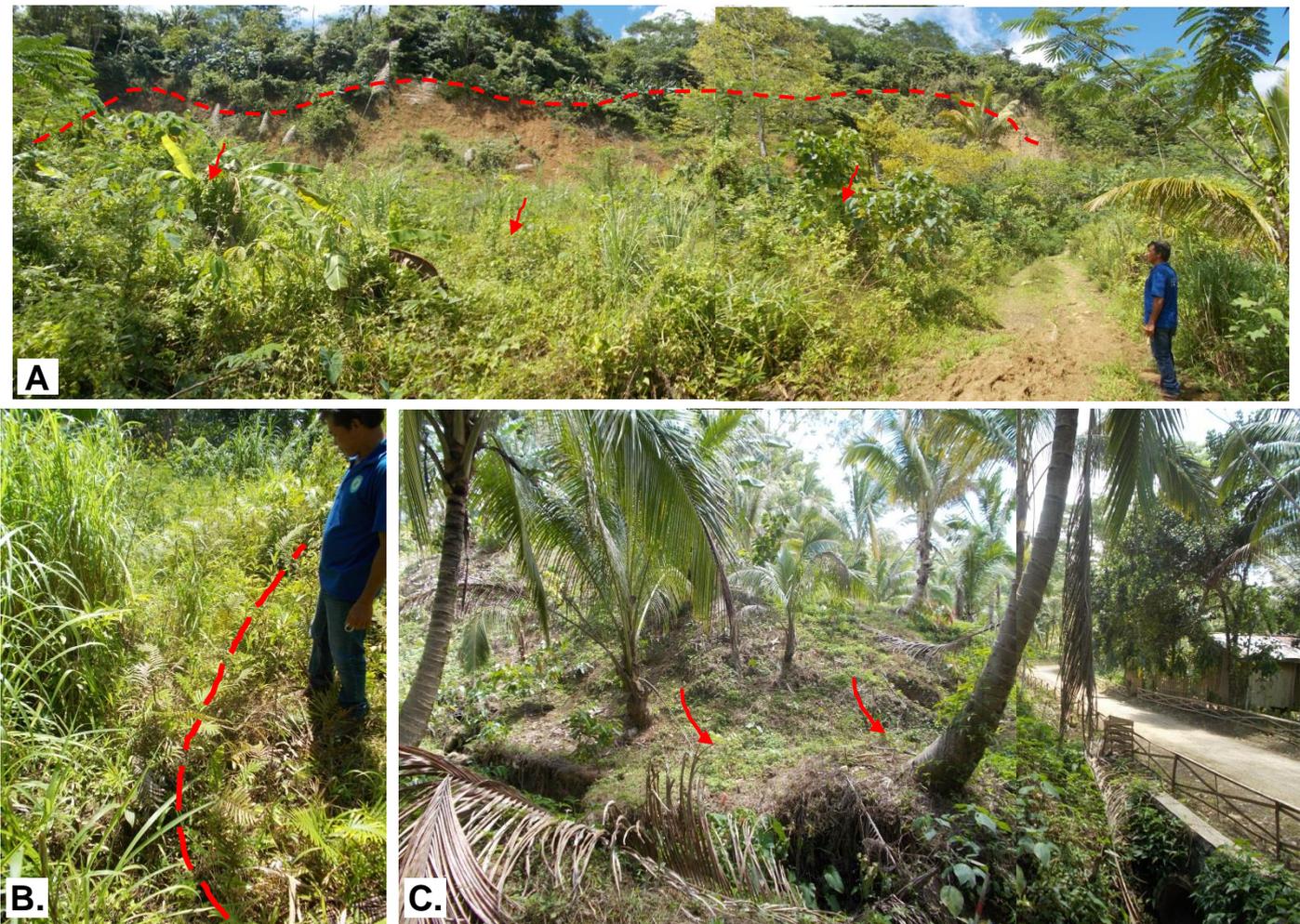


Photo A. Shows a 100-meter landslide in Purok 9 reportedly triggered by the intense rain during Typhoon Pablo. Seepages are present. (B) Tension cracks are present. (C) Soil creep (slow mass movement) is observed indicated by bent vegetation (e.g. coconut trees, etc).

**Barangay New Salem**



Purok 3 (8° 45' 49.1" N, 125° 51' 30.8"E) Moderate. A photo showing New Salem Elementary School. The site is situated in moderate slope underlain by interbedded sedimentary rocks.

**Barangay Noli**



Images of Wawa River at Purok 6 (left) and Andanan River at Purok 7 (right).



Some of the areas affected with sheet flooding at Purok 7 (left, agricultural area) and Purok 9 (right, residential area).

**Barangay Osmeña**



Public Cemetery, Purok 5. Photo showing active landslide near the public cemetery. Approximate length of landslide is 100 meters traversing in WNW direction. Overturned tombstones were observed. GPS Coordinates: 125°49'43.3" E 8°41'33.1" N



Osmeña Sr. Elementary School. Purok 4. Photo showing abandoned building of Osmeña Sr. Elementary School due to presence of cracks on its walls caused by mass movement probably associated with a fault trending WNW. Direction of collapsed material is ENE. GPS Coordinates: 125°49'16.4" E 8°41'50.2" N



Osmeña Sr. Elementary School, Purok 4. Another photo showing cracks in an abandoned school building caused by ground movement. GPS Coordinates: 125°49'16.4" E 8°41'50.2" N

**Barangay Panaytay**



This photo shows a possible soil creep (slow mass movement) indicated by tilted vegetation. Purok 3 ( $8^{\circ} 40' 8.3''$  N,  $125^{\circ} 49' 6.5''$ E).



Photo showing a crack at the basketball court probably associated with tension cracks. Purok 3 ( $8^{\circ} 40' 4.5''$  N,  $125^{\circ} 49' 2.3''$ E).

**Barangay Pinagalaan**



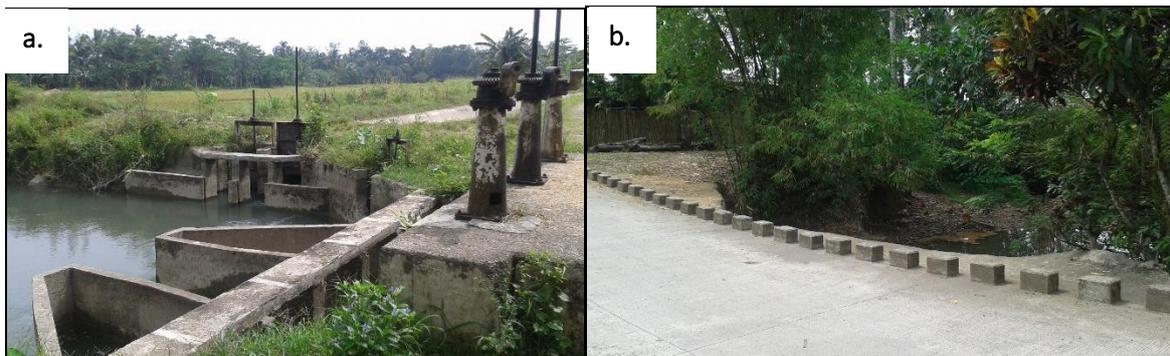
Photograph of a steep road cut along segment of barangay road in Purok 6

**Barangay Sagmone**



Photo A (Purok 3) and B (Purok 1) shows an agricultural area that is prone to intense flooding where flood water reaches 1.5meter.

## Barangay Saquma



Photos. Irrigation gate at Purok 7 (a) and Santi Creek in Purok 3 (b). These areas are susceptible to flooding.

## Barangay Salvacion



Clockwise: Residential and agricultural areas affected by sheet flooding at Purok 8, Purok 12, Purok 13, and Purok 14.



Photographs of Wawa River taken at Purok 13 (left) with notable bank erosion towards the agricultural area. Wawa River is the main source of sheet flooding in the area.

### **Barangay San Agustin**



This photo shows a settlement area adjacent to a moderate-steep slopes in Purok 5 where previous landslide has occurred. Purok 5 (8° 45' 31.2" N, 125° 40' 52.2"E)

**Barangay San Isidro**



Clockwise: Image of Labaw Creek taken at Purok 5. This is the creek where most of the sheet flooding along the agricultural area, Purok 2, Purok 4, and Purok 6 is associated (succeeding photos).

**Barangay San Juan**



Road cut in Purok 12 showing the benching applied to reduce slope (a) and increase slope stability. Very steep slope along road bend downslope of Purok 12 (b).



View of Andanan River (c) taken from the bridge showing portion of the residential area (left side of the Photo c). Tilted coconut trees indicating mass movement/ground instability observed in Purok 1A (d).

**Barangay Santa Irene**



Irrigation line destroyed by flood water along Andanan River (a). Tilted sedimentary rocks exposed along provincial highway going to Barangay San Juan (b). Stream migration observed in google generated image, red polygon is the current river channel which diverted from the previous course (c.).

**Barangay Santa Teresita**



This photo shows a 20-meter long tension crack and has a vertical displacement of 0.5 to 1.5 meters. Reportedly associated with the prolonged heavy rains during typhoon Agaton. (Geographical Location: 8° 42' 3.9" N 125° 47' 11.9" E)



Panoramic view of a 20-meter long tension crack with vertical displacement of 1 to 1.5 meters observed along the road. (Geographical Location: 8° 42' 47.8" N 125° 46' 52.8" E)



A resident of Purok 6 shows the approximate flood height of about 1 meter in his house. Residential areas near Bayugan River usually experienced flooding in the months of December to February. (Geographical Location: 8° 42' 25.2" N 125° 46' 52.7" E)

### **Barangay Santo Niño**



Panoramic view of the road cut along the barangay road in Purok 9. Boulder size fragments found at the base of the slope indicating slope instability. (Geographical Location: 8° 47' 47.1" N 125° 47' 31.6" E)

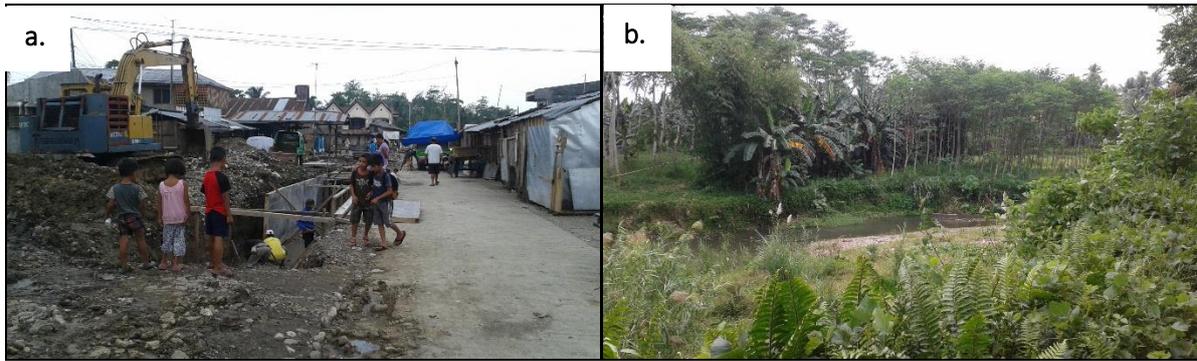


Photo of 100-meter long tension crack with horizontal displacement of 1.5 to 2 meters that dips towards the southwest. (Geographical Location: 8° 49' 56.1" N 125° 45' 50.1" E)



Photo of 30-meters high bank erosion along the riverbank of Andanan River underlain mainly by bedded sandstone and siltstone. (Geographical Location: 8° 49' 3.4" N 125° 46' 39.8" E)

**Barangay Taglatawan**



Active drainage construction along the market/commercial area (a). Segment of Bayugan River along Purok 2C where localized river bank erosion has been mapped (b).

**Barangay Taglibas**



Photo A and B shows Localized landslide in Purok 1 covering the pipeline from the Barangay's water source.



Photo C shows an agricultural area in Purok 3 that is affected by sheet flooding with depths of up to 1meter.

**Barangay Tagubay**



Photograph of the residential area near Tagubay River. Purok 4 (8° 46' 36.7" N, 125° 43' 37.9"E)

**Barangay Verdu**



This two photo shows Kaulingnang Creek within the premises of Verdu Elementary School. Note the destroyed concrete fence associated with flood water action (left). Purok 1 (8° 43' 28.3" N, 125° 42' 16"E)



This photo shows the old channel of Wawa River which caused flooding in Puroks 4, 5, 6 and 7 including the adjacent agricultural areas.

**Barangay Villa Ondayon**



Photograph of the residential area in Purok Wakay-Wakay (left) and Sianib River (right) located near the where flooding is associated. Purok Wakay Wakay (8° 43' 48.5" N, 125° 51' 25.4"E).

**Barangay Wawa (Del Carmen)**

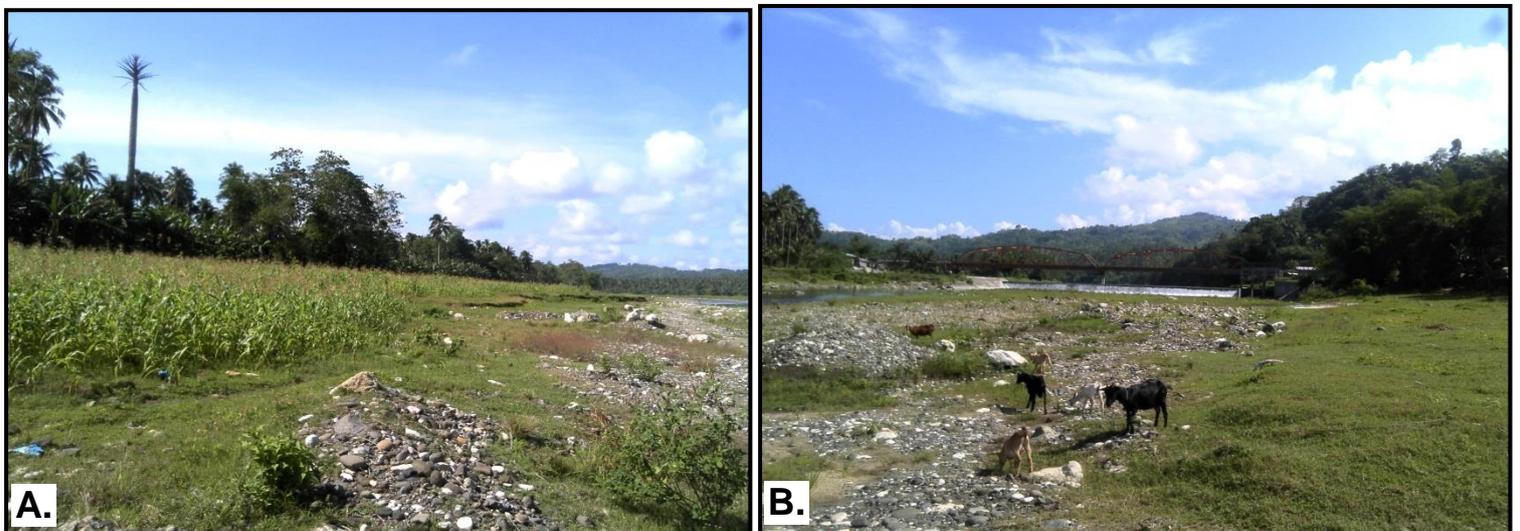


Photo (A and B) Shows the floodplain of Wawa River.



**C.**



**D.**

(C) House adjacent to a slope where soil creep is observed indicated by bent coconut trees. (D) Clogged creek due to accumulation of garbage and plants at the back of Wawa Elementary School in Purok 1 where minor flooding is partly associated.