

**TABULATED GEOHAZARD SUSCEPTIBILITY ASSESSMENT OF THE BARANGAY CENTERS WITHIN THE MUNICIPALITY OF SAN MIGUEL, ZAMBOANGA DEL SUR**

| BRGY       | MUNICIPALITY | LONGITUDE  | LATITUDE | LANDSLIDE SUSCEPTIBILITY RATING                              | FLOOD SUSCEPTIBILITY RATING | LANDSLIDE REMARKS/RECOMMENDATIONS  | FLOOD REMARKS/RECOMMENDATIONS   | AS OF | ASSESSED BY/DATA SOURCE |
|------------|--------------|------------|----------|--|-----------------------------|--|---|-------|-------------------------|
| Betinan    | SAN MIGUEL   | 123.279556 | 7.655861 | none   | high                        |  | Flood depth >1m during rainy season. Flash flood is very common. Flooding is caused by overflowing of creeks. No community along the creek. | 2008  | JOINT                   |
| Bulawan    | SAN MIGUEL   | 123.253167 | 7.628639 | none   | high                        |  | Flood depth >1m during rainy season. Presence of creek along highway.   | 2008  | JOINT                   |
| Calube     | SAN MIGUEL   | 123.276778 | 7.707694 | Low at barangay proper; moderate-slope bounding the barangay | none                        | Observe for presence of mass movement (e.g. landslides, tension cracks) especially for slope bounding the barangay. Observe for saturated ground or seeps in areas that are not typically wet.   |   | 2008  | JOINT                   |
| Concepcion | SAN MIGUEL   | 123.254139 | 7.713694 | moderate   | none                        | Observe for presence of mass movement (e.g. landslides, tension cracks). Observe for saturated ground or seeps in areas that are not typically wet. Slope along the road between Calube and Concepcion has low to moderate landslide susceptibility. Slope immediately to the east of the barangay proper has moderate to high landslide susceptibility. |   | 2008  | JOINT                   |

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|----------|------------|------------|----------|----------|----------|--|--|------|-------|
| Dao-an   | SAN MIGUEL | 123.292139 | 7.676444 | none     | high     |  | Flood depth >1m during rainy season. Puroks Sta. Lucia, Matinabangon and San Francisco are affected by flood; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). | 2008 | JOINT |
| Dumalian | SAN MIGUEL | 123.241444 | 7.724639 | low      | moderate | Observe for presence of mass movement (e.g. landslides, tension cracks). Observe for saturated ground or seeps in areas that are not typically wet. Observe for sunken or displaced road surfaces.   | Flood depth 0.5-1m along river banks, corn fields and rice fields during rainy season. Flashflood is common with moderate turbidity (soil content).  | 2008 | JOINT |
| Fatima   | SAN MIGUEL | 123.258639 | 7.686111 | low      | low      | Observe for presence of mass movement (e.g. landslides, tension cracks). Observe for saturated ground or seeps in areas that are not typically wet. Observe for sunken or displaced road surfaces. Develop an early warning device/ system intended for landslide-related hazard Identify evacuation site. | Flooding occurs rarely, with depth 0-0.5m. Flashflood occurs rarely with low turbidity (soil content).   | 2008 | JOINT |
| Lantawan | SAN MIGUEL | 123.261972 | 7.668583 | moderate | low      | Observe for presence of mass movement (e.g. landslides, tension cracks). Develop an early warning device/ system intended for landslide-related hazard. Identify evacuation site. Observe for saturated ground or seeps in areas that are not typically wet. Observe for sunken or displaced road surfaces | Flooding occurs rarely, with depth 0-0.5m. Flashflood occurs rarely with low turbidity (soil content).   | 2008 | JOINT |

|           |            |            |          |      |                 |   |  |      |       |
|-----------|------------|------------|----------|------|-----------------|---|--|------|-------|
| Langilan  | SAN MIGUEL | 123.310306 | 7.695833 | low  | none            | Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks).   |  | 2008 | JOINT |
| Laperian  | SAN MIGUEL | 123.274361 | 7.690389 | none | high            |   | Flood depth >1m during rainy season. Flashflood turbidity (soil content) is high. Flooding is caused by overflowing of 2 creeks. No community affected; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). | 2008 | JOINT |
| Libuganan | SAN MIGUEL | 123.269361 | 7.663444 | low  | low to moderate | Observe for presence of mass movement (e.g. landslides, tension cracks). Develop an early warning device/ system intended for landslide-related hazard. Identify evacuation site. Observe for saturated ground or seeps in areas that are not typically wet. Observe for sunken or displaced road surfaces. | Flooding occurs rarely, with depth 0-0.5m. 0.5-1m flood depth along rice fields. Flashflood occurs rarely with low turbidity (soil content);   | 2008 | JOINT |
| Limonan   | SAN MIGUEL | 123.294778 | 7.684972 | none | high            |   | Flood depth >1m during rainy season. Barangay center is not affected by flooding; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content).   | 2008 | JOINT |

|           |            |            |          |      |                |  |   |      |       |
|-----------|------------|------------|----------|------|----------------|--|---|------|-------|
| Mati      | SAN MIGUEL | 123.290472 | 7.706000 | none | high           |  | Flood depth >1m during rainy season between the boundary of barangays Mati, Calube, and Concepcion. River erosion and scouring along Manumag-Mati River. Develop an early warning device/ system intended for flood-related hazard prevention. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). | 2008 | JOINT |
| Ocapan    | SAN MIGUEL | 123.270806 | 7.724694 | high | high (Purok 4) | 1 house destroyed at Purok 4 (Sitio Tibloto & Sitio Kasahan) by landslide last April 2008 due to continuous rainfall (3 days). Monitor progress of mass movement (e.g. landslides, tension cracks). Observe for presence of mass movement (e.g. landslides, tension cracks). Develop an early warning device/ system intended for landslide-related hazard. Identify evacuation site. Observe for sunken or displaced road surfaces. Organize and activate BDCC (Barangay Disaster Coordinating Council) | Flood depth >1m at Sitio Tibloto & Sitio Kasahan (Purok 4). Develop an early warning device/ system intended for flood-related hazard prevention. Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increased turbidity (soil content). Organize and activate BDCC (Barangay Disaster Coordinating Council).                         | 2008 | JOINT |
| Poblacion | SAN MIGUEL | 123.266278 | 7.651167 | low  | low            | Observe for presence of mass movement (e.g. landslides, tension cracks).   | Flooding occurs rarely, with depth of 0-0.5m.   | 2008 | JOINT |

|            |            |            |          |          |      |   |  |      |       |
|------------|------------|------------|----------|----------|------|---|--|------|-------|
| San Isidro | SAN MIGUEL | 123.253417 | 7.694111 | moderate | low  | Observe for presence of mass movement (e.g. landslides, tension cracks). Develop an early warning device/ system intended for landslide-related hazard. Identify evacuation site. Observe for saturated ground or seeps in areas that are not typically wet. Observe for sunken or displaced road surfaces. | Flooding occurs rarely, with depth 0-0.5m. Flashflood occurs rarely with low turbidity (soil content). | 2008 | JOINT |
| Sayog      | SAN MIGUEL | 123.247750 | 7.655583 | none     | low  |   | Flooding occurs rarely, with depth of 0-0.5m. There are no communities near the creek.                 | 2008 | JOINT |
| Tapian     | SAN MIGUEL | 123.257528 | 7.616667 | moderate | none | Monitor progress of mass movement (e.g. landslides, tension cracks).  |  | 2008 | JOINT |