

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

| <b>BRGY</b> | <b>MUNICIPALITY/<br/>CITY</b> | <b>LONGITUDE</b> | <b>LATITUDE</b> | <b>LANDSLIDE<br/>SUSCEPTIBILITY RATING</b>                          | <b>FLOOD SUSCEPTIBILITY<br/>RATING</b> | <b>LANDSLIDE<br/>REMARKS/RECOMMENDATIONS</b>  | <b>FLOOD REMARKS/RECOMMENDATIONS</b>   | <b>AS OF</b> | <b>ASSESSED<br/>BY/DATA<br/>SOURCE</b> |
|-------------|-------------------------------|------------------|-----------------|---|--|---|--|--------------|--|
| Batayan     | <b>KALAWIT</b>                | 122.5713611      | 7.9366944       | low to moderate   | none to low (localized flooding)       | Observe for and/or monitor for presence of mass movement Activate Barangay Disaster Coordinating Council (BDCC);  | Address and/or improve storm water drainage network.   | 2007         | MGB-RO                                 |
| Botong      | <b>KALAWIT</b>                | 122.5915000      | 7.9803889       | low to moderate (brgy. center); high (steep slopes of Mt. Dansalan) | none to low (localized flooding)       | Observe for presence of mass movement;<br>(e.g landslide, tension cracks); Monitor and observe for progress and presence of mass movement along the slopes of the valley sides. Observe for displace ground surfaces or seeps in areas that are not typically wet; activate Barangay Disaster Coordinating Council (BDCC); identify evacuation and/or relocation        | Address and/or improve storm water drainage network; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase turbidity (soil content); Identify evacuation and/or relocation sites for settlers near the creek channels. | 2007         | MGB-RO                                 |
| Concepcion  | <b>KALAWIT</b>                | 122.6181667      | 7.9829722       | moderate to high  | none to low (localized flooding)       | Observe for presence of mass movement;<br>(e.g landslide, tension cracks); Monitor and observe for progress and presence of mass movement along the slopes of the valley sides. Observe for displace ground surfaces or seeps in areas that are not typically wet; activate Barangay Disaster Coordinating Council (BDCC); identify evacuation and/or relocation sites. | Address and/or improve storm water drainage network.   | 2007         | MGB-RO                                 |

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| Daniel Maing<br>(Dominolog) | <b>KALAWIT</b> | 122.5256389 | 7.9581944 | low (brgy center);<br>moderate to high<br>(steeply sloping ground) | none to low (localized<br>flooding) | Observe for presence of mass<br>movement;<br>(e.g landslide, tension cracks); Monitor<br>and observe for progress and presence<br>of<br>mass movement along the slopes of<br>the<br>valley sides. Observe for displace<br>ground surfaces or seeps in areas that<br>are not<br>typically wet; activate Barangay<br>Disaster Coordinating Council (BDCC);<br>identify evacuation and/or relocation<br>sites. | Address and/or improve storm water<br>drainage network.  | 2007 | MGB-RO |
| Fatima<br>(Lacsutan)        | <b>KALAWIT</b> | 122.5968056 | 8.0000833 | moderate to high   | Moderate to high<br>(creek)         | Observe for presence of mass<br>movement;<br>(e.g landslide, tension cracks); Monitor<br>and observe for progress and presence<br>of<br>mass movement along the slopes of<br>the<br>valley sides. Observe for displace<br>ground surfaces or seeps in areas that<br>are not<br>typically wet; activate Barangay<br>Disaster Coordinating Council (BDCC);<br>identify evacuation and/or relocation<br>sites. | Address and/or improve storm water<br>drainage network; Observe for rapid<br>increase/decrease in creek/river water<br>levels, possibly accompanied by increase<br>turbidity (soil content); Identify<br>evacuation and/or relocation sites for<br>settlers near the creek channels. | 2007 | MGB-RO |

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| Gatas          | <b>KALAWIT</b> | 122.5993333 | 7.9226111 | none to low (brgy. center); moderate to high (sloping ground east of the brgy. center)  | Moderate to high (Titay Valley)  | Observe for presence of mass movement; (e.g landslide, tension cracks); Monitor and observe for progress and presence of mass movement along the slopes of the valley sides. Observe for displace ground surfaces or seeps in areas that are not typically wet; activate Barangay Disaster Coordinating Council (BDCC); identify evacuation and/or relocation sites. | Address and/or improve storm water drainage network; Identify evacuation and or relocation sites for settlers within the low lying Titay Valley zone. | 2007 | MGB-RO |
| Kalawit (Pob.) | <b>KALAWIT</b> | 122.5246944 | 7.9060278 | none to low (brgy. center); moderate to high (sloping ground north of the brgy. center) | Moderate to high (Titay Valley)  | Observe for presence of mass movement; (e.g landslide, tension cracks); Monitor and observe for progress and presence of mass movement along the slopes of the valley sides. Observe for displace ground surfaces or seeps in areas that are not typically wet; activate Barangay Disaster Coordinating Council (BDCC); identify evacuation and/or relocation sites. | Address and/or improve storm water drainage network; Identify evacuation and or relocation sites for settlers within the low lying Titay Valley zone. | 2007 | MGB-RO |
| Marcelo        | <b>KALAWIT</b> | 122.4552500 | 7.8810556 | low   | none to low (localized flooding) | Observe for presence of mass movement Activate Barangay Disaster Coordinating Council (BDCC);  | Address and/or improve storm water drainage network.  | 2007 | MGB-RO |

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| New Calamba | <b>KALAWIT</b> | 122.6164167 | 7.9392778 | low (gentle slopw toward Titay Valley; moderate to high (steep slopes ) | none to low (brgy.center); low to moderate (lowlying section towards Titay Valley floor)) | Observe for presence of mass movement; (e.g landslide, tension cracks); Monitor and observe for progress and presence of mass movement along the slopes of the valley sides. Observe for displace ground surfaces or seeps in areas that are not typically wet; activate Barangay Disaster Coordinating Council (BDCC); identify evacuation and/or relocation sites. | Address and/or improve storm water drainage network; Identify evacuation and or relocation sites for settlers within the low lying Titay Valley zone. | 2007 | MGB-RO |
| Palalian    | <b>KALAWIT</b> | 122.4782778 | 7.9051944 | low   | none to low (localized flooding)  | Observe for presence of mass movement Activate Barangay Disaster Coordinating Council (BDCC);  | Address and/or improve storm water drainage network.  | 2007 | MGB-RO |
| Paraiso     | <b>KALAWIT</b> | 122.4603333 | 7.9840000 | Low (brgy. center); Moderate to High (sloping areas and road cuts)      | none to low (localized flooding)  | Observe for presence of mass movement; (e.g landslide, tension cracks); Monitor and observe for progress and presence of mass movement along the slopes of the valley sides. Observe for displace ground surfaces or seeps in areas that are not typically wet; activate Barangay Disaster Coordinating Council (BDCC); identify evacuation and/or relocation sites. | Address and/or improve storm water drainage network.  | 2007 | MGB-RO |

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| Pianon   | <b>KALAWIT</b> | 122.6088056 | 8.0337500 | moderate to high | Moderate to high (flashflood along creeks draining Mt. Dansalan, west of the brgy center) | Observe for presence of mass movement; (e.g landslide, tension cracks); Monitor and observe for progress and presence of mass movement along the slopes and valley sides. Observe for displaced ground surfaces or seeps in areas that are not typically wet; activate Barangay Disaster Coordinating Council (BDCC); identify evacuation and/or relocation sites. | Address and/or improve storm water drainage network; Observe for rapid increase/decrease in creek/river water levels, possibly accompanied by increase in turbidity (soil content); Identify evacuation and/or relocation sites for settlers near the creek channels. | 2007 | MGB-RO |
| San Jose | <b>KALAWIT</b> | 122.6219444 | 8.0134167 | moderate         | none to low   | Observe for and/or monitor for presence of mass movement Activate Barangay Disaster Coordinating Council (BDCC).   | Address and/or improve storm water drainage network.  | 2007 | MGB-RO |
| Tugop    | <b>KALAWIT</b> | 122.4743056 | 7.8634444 | none to low      | Low to moderate (Titay valley area)   | Observe for presence of mass movement Activate Barangay Disaster Coordinating Council (BDCC).  | Address and/or improve storm water drainage network; Identify evacuation and or relocation sites for settlers within the low lying Titay Valley zone.   | 2007 | MGB-RO |

