

FLOOD SUSCEPTIBILITY MAP OF ADTUGAN QUADRANGLE

SHEET 3943 III



Scale 1:50,000
0 3 6
kilometers

LEGEND:

Flood Prone Areas

Barangay
 Minor Contour
 Major Contour
 Reef/ Coral
 Highway/ Road
 Trails
 Provincial Boundary
 River/ Creek

Data Sources:
 Geohazard Assessment Team - Region 10
 Geosciences Division
 MOB Region 10

Base Map:
 NAMRIA Topographic Map
 Scale 1:50,000
 Sheet No. 3943 III
 "Adtugan Quadrangle"

INDEX MAP



Note:

For corrections and suggestions on this Geohazard Map, please notify the Mines and Geosciences Bureau, Regional Office No. 10, DENR Compound, Macabalan, Cagayan de Oro City.
 Tel. Nos. (088) 858-1331



Republic of the Philippines
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
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 Macabalan, Cagayan De Oro City

LANDSLIDE SUSCEPTIBILITY MAP OF ADTUGAN QUADRANGLE

SHEET 3943 III



Scale 1:50,000
0 3 6
kilometers

LEGEND:

- High
- Moderate
- None to Low
- + Barangay
- Minor Contour
- Major Contour
- ~~~~~ Reef Corals
- Highway/ Road
- Trails
- Provincial Boundary
- River/ Creek

Data Sources:
Geohazard Assessment Team - Region 10
Geosciences Division
MOB Region X

Base Map:
NAMRIA Topographic Map
Scale 1:50,000
Sheet No. 3943 III
"Adtugan Quadrangle"

INDEX MAP



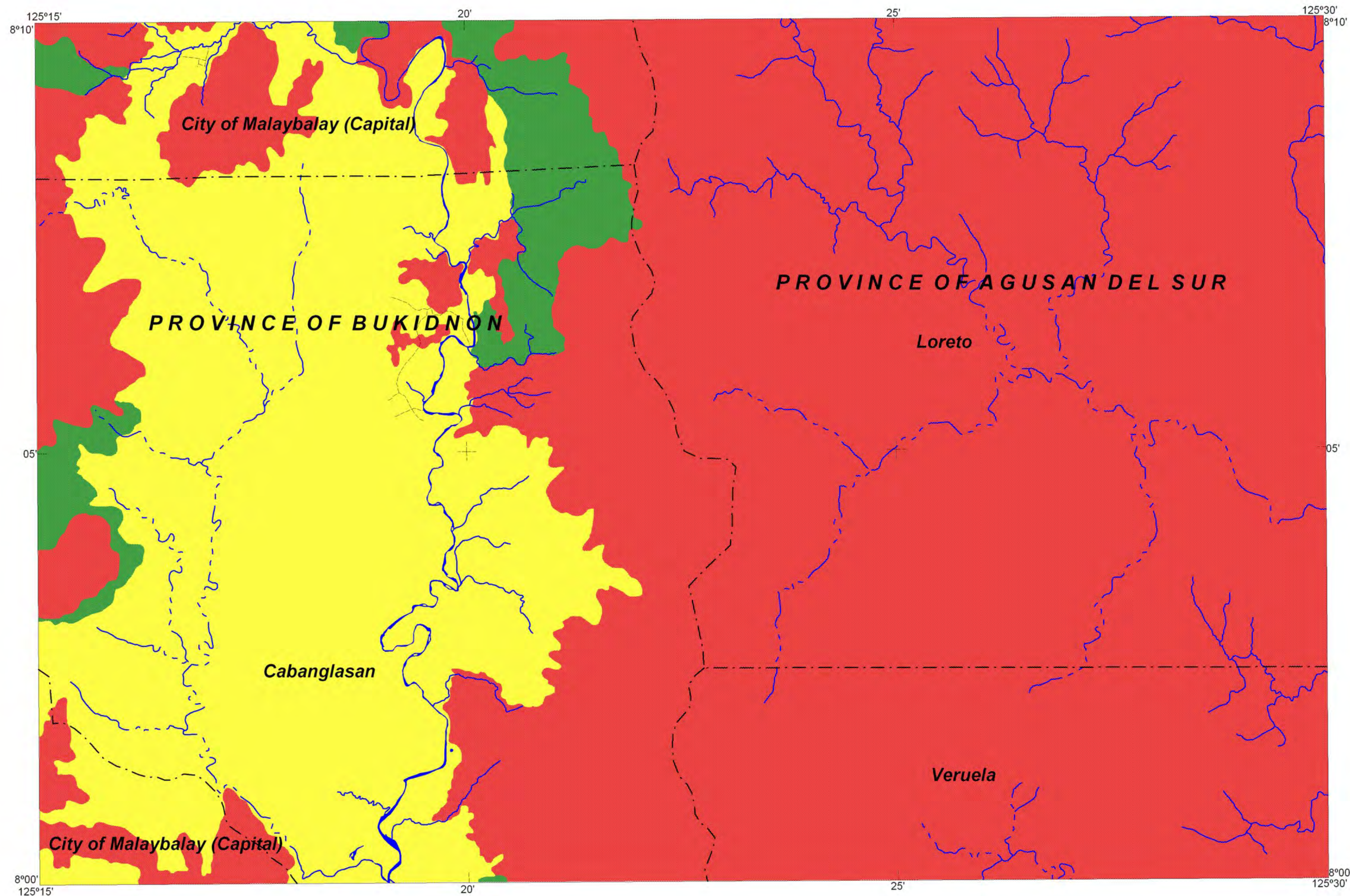
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Tel. Nos. (088) 858-1331

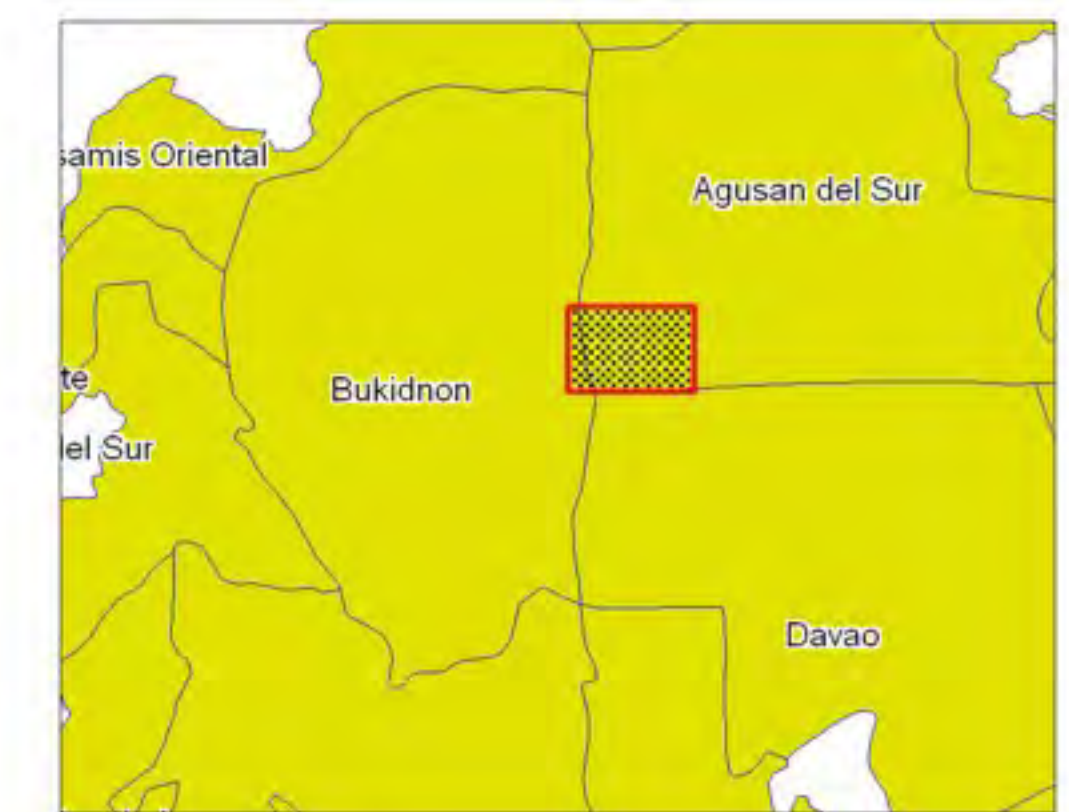


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LANDSLIDE SUSCEPTIBILITY MAP OF CABANGLASAN QUADRANGLE, BUKIDNON AND AGUSAN DEL SUR PROVINCES, PHILIPPINES



INDEX MAP



LEGEND :

- **High Susceptibility to Landslide**
Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- **Moderate Susceptibility to Landslide**
Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.
- **Low Susceptibility to Landslide**
Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.
- Trails
- River
- Municipal boundary



0 1.5 3
kilometers

TRANSVERSE MERCATOR PROJECTION
MAPPING SCALE 1:50,000

GIS Processing :
Lands Geological Survey Division

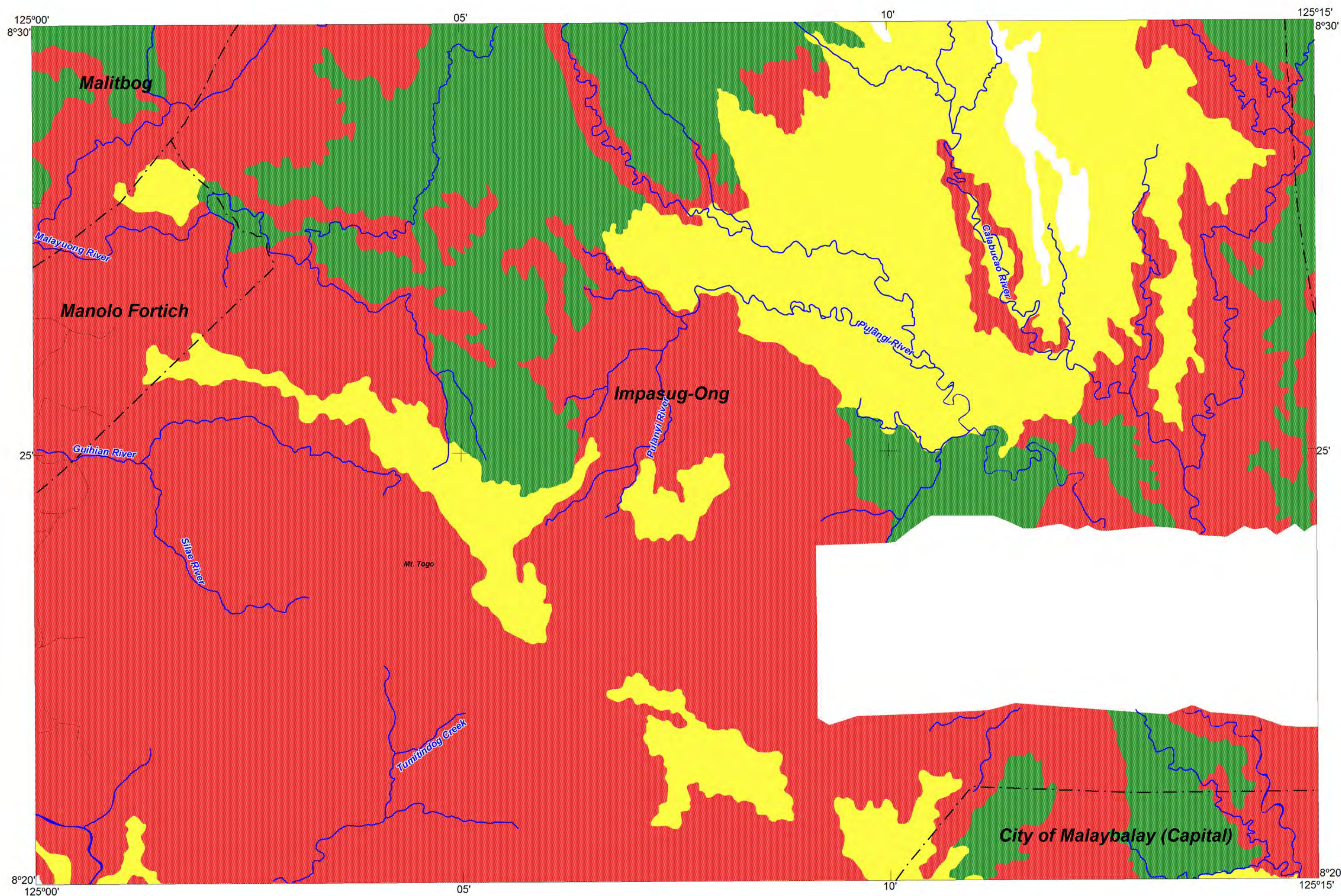
Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X and XIII

Base Map :
Sheet No. 4044 II "Cabanglasan Quadrangle"

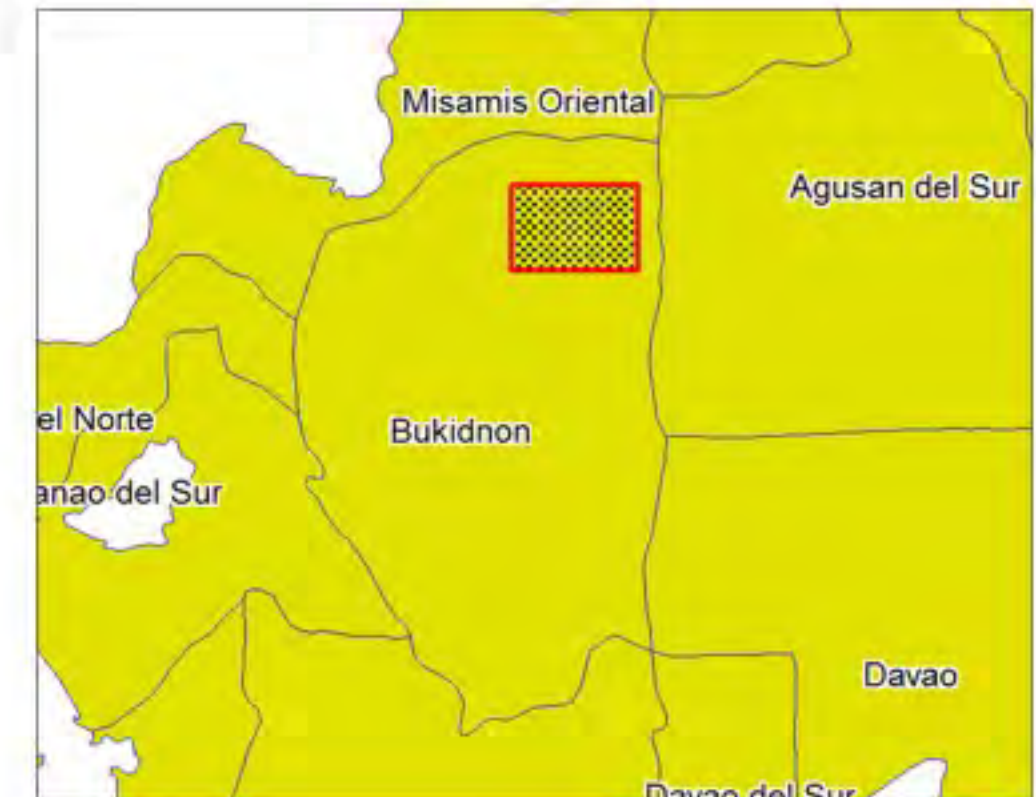


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LANDS GEOLOGICAL SURVEY DIVISION

LANDSLIDE SUSCEPTIBILITY MAP OF DUMALAGUING QUADRANGLE BUKIDNON PROVINCE, PHILIPPINES



INDEX MAP



LEGEND :

- High Susceptibility to Landslide**
- Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- Moderate Susceptibility to Landslide**
- Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.
- Low Susceptibility to Landslide**
- Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.

- Roads
- River
- Municipal boundary
- Barangay center location



0 1.5 3
kilometers

TRANSVERSE MERCATOR PROJECTION
MAPPING SCALE 1:50,000

GIS Processing :
Lands Geological Survey Division

Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X

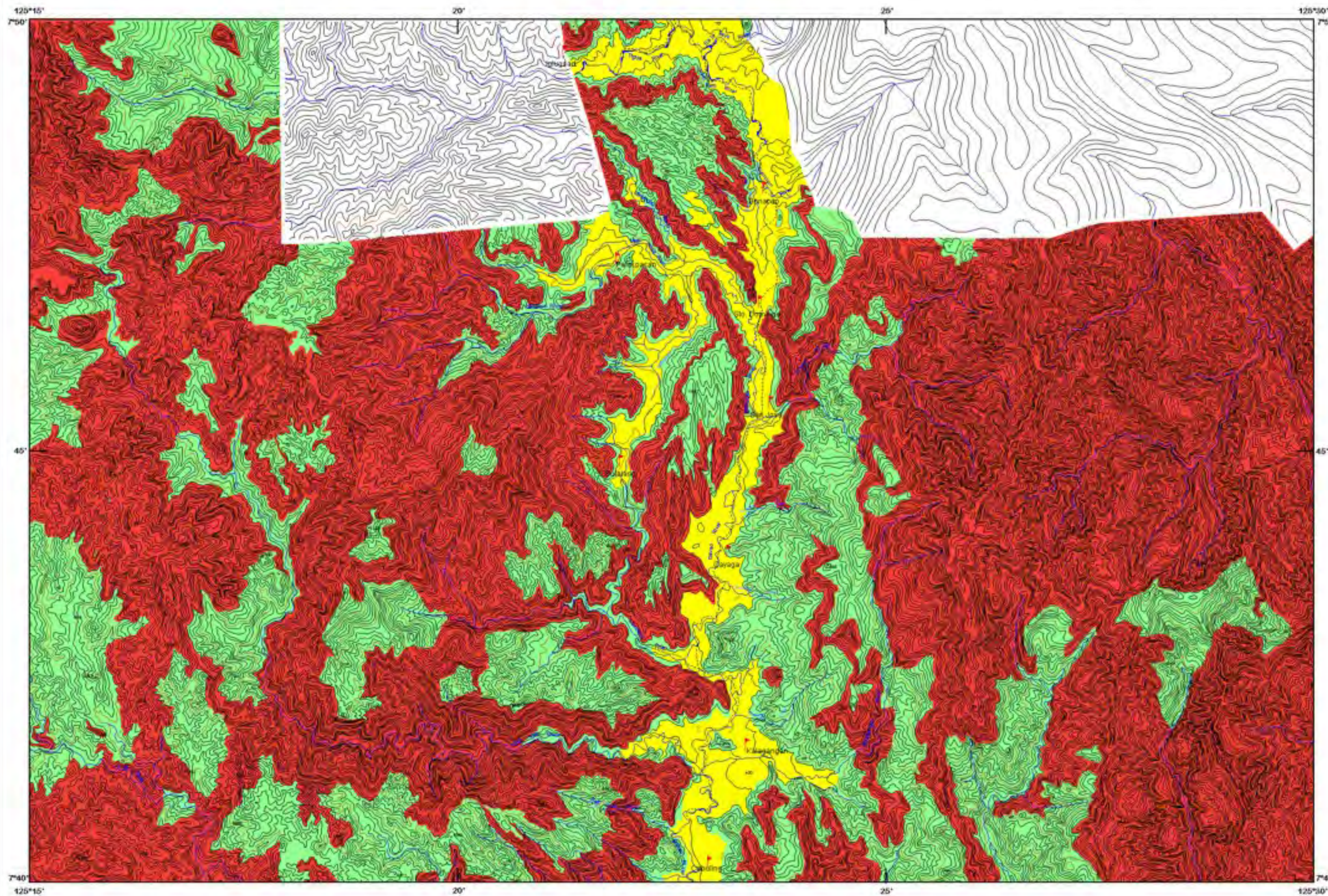
Base Map :
Sheet No. 4045 III "Dumalaguing Quadrangle"



DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
MINES AND GEOSCIENCES BUREAU
LANDS GEOLOGICAL SURVEY DIVISION

LANDSLIDE SUSCEPTIBILITY MAP OF IGLOGSAD QUADRANGLE

SHEET 4043 II



Scale 1:50,000
0 3 6
kilometers

LEGEND:

- High
- Moderate
- None to Low

- Barangay
- Minor Contour
- Major Contour
- Reef Corals
- Highway/ Road
- Trails
- Provincial Boundary
- River/ Creek

Data Sources:
Geohazard Assessment Team - Region 10
Geosciences Division
MOB Region X

Base Map:
NAMRIA Topographic Map
Scale 1:50,000
Sheet No. 4043 II
"Iglogad Quadrangle"

INDEX MAP



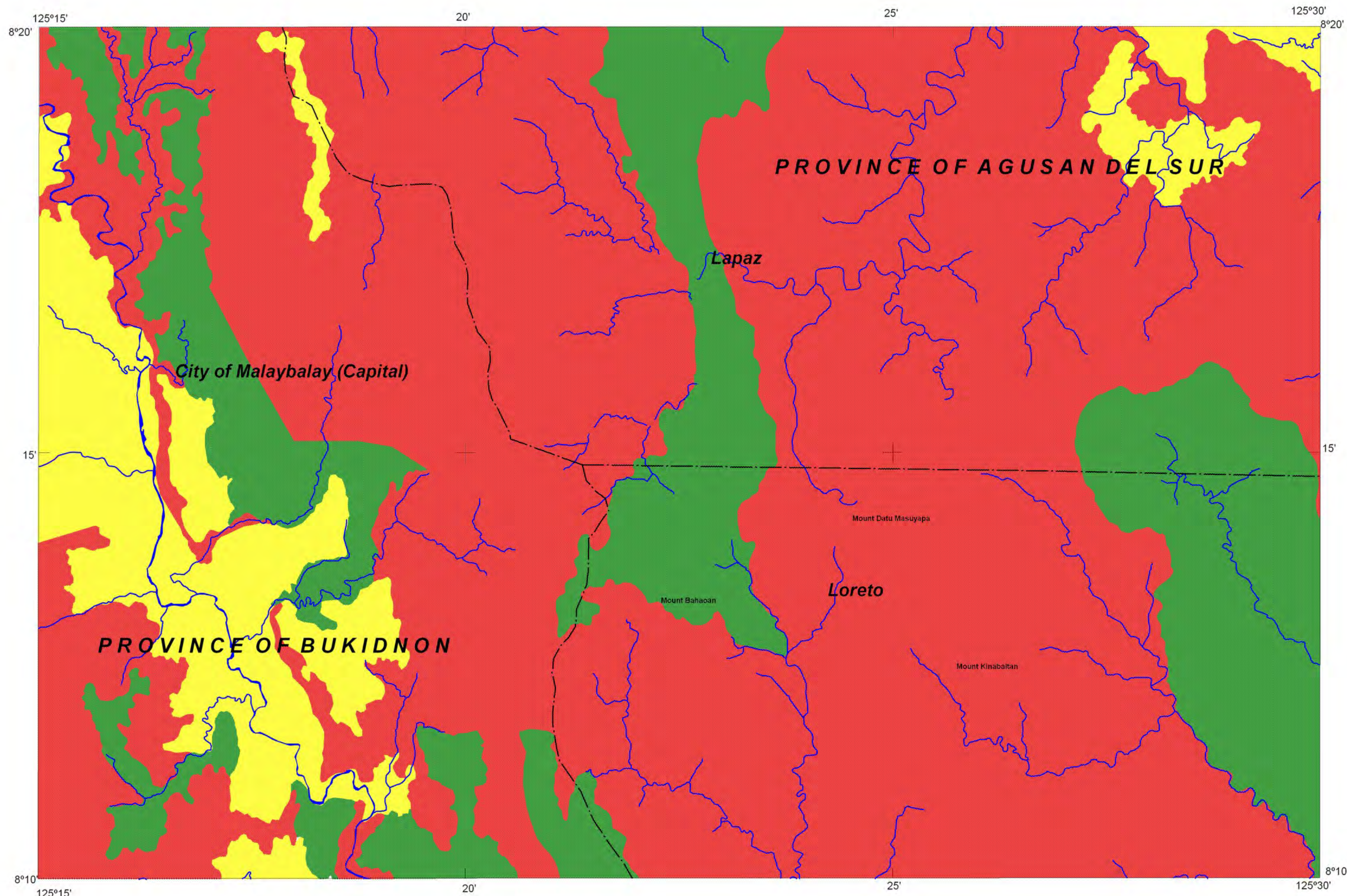
Note:

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Macabalan, Cagayan De Oro City

LANDSLIDE SUSCEPTIBILITY MAP OF KABURACANAN QUADRANGLE BUKIDNON AND AGUSAN DEL SUR PROVINCES, PHILIPPINES



INDEX MAP



LEGEND :

- **High Susceptibility to Landslide**
Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- **Moderate Susceptibility to Landslide**
Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.
- **Low Susceptibility to Landslide**
Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.
- River
- Municipal boundary



0 1.5 3
kilometers

TRANSVERSE MERCATOR PROJECTION
MAPPING SCALE 1:50,000

GIS Processing :
Lands Geological Survey Division

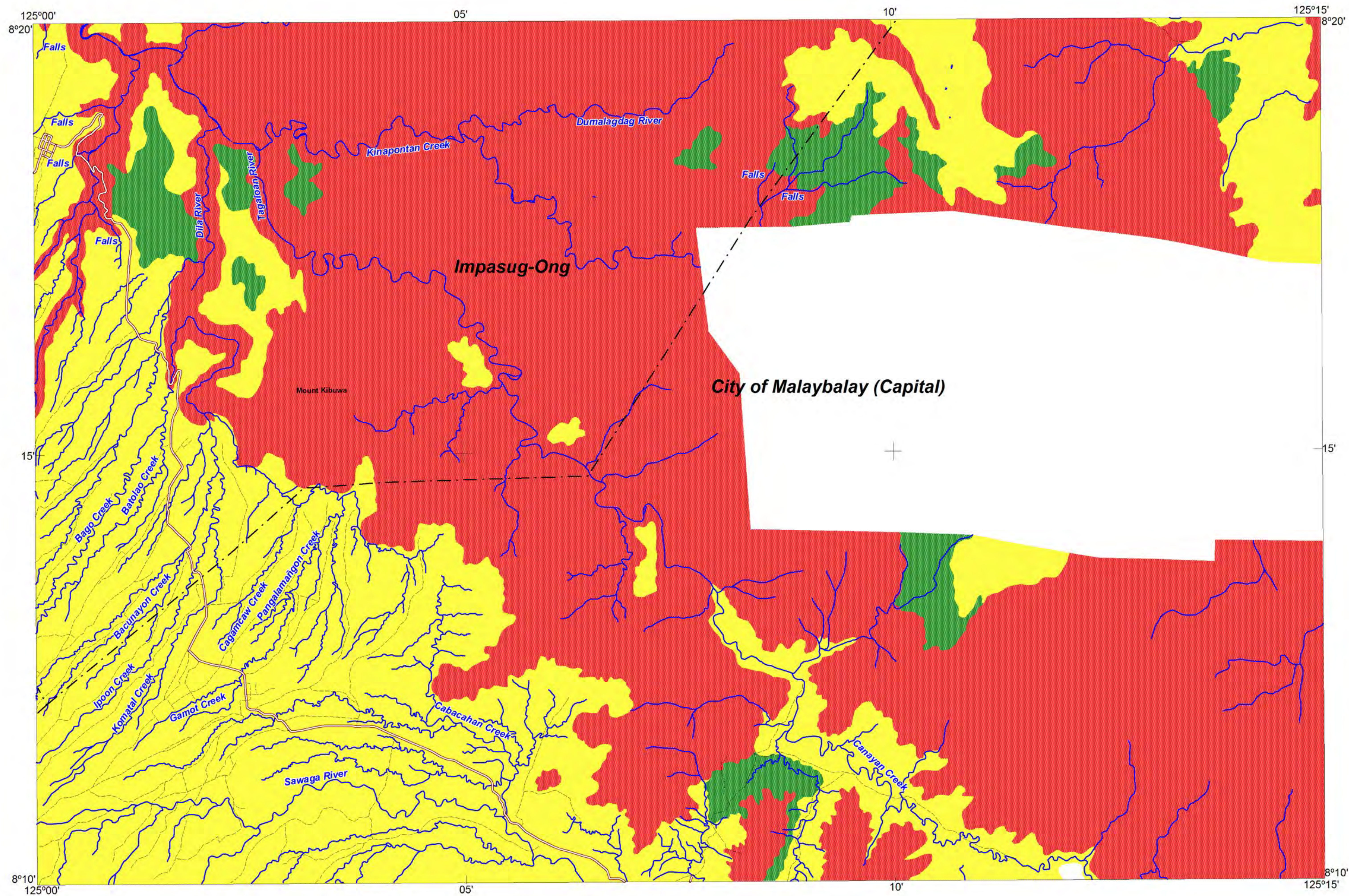
Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X and XIII

Base Map :
Sheet No. 4044 I "Kaburacanan Quadrangle"

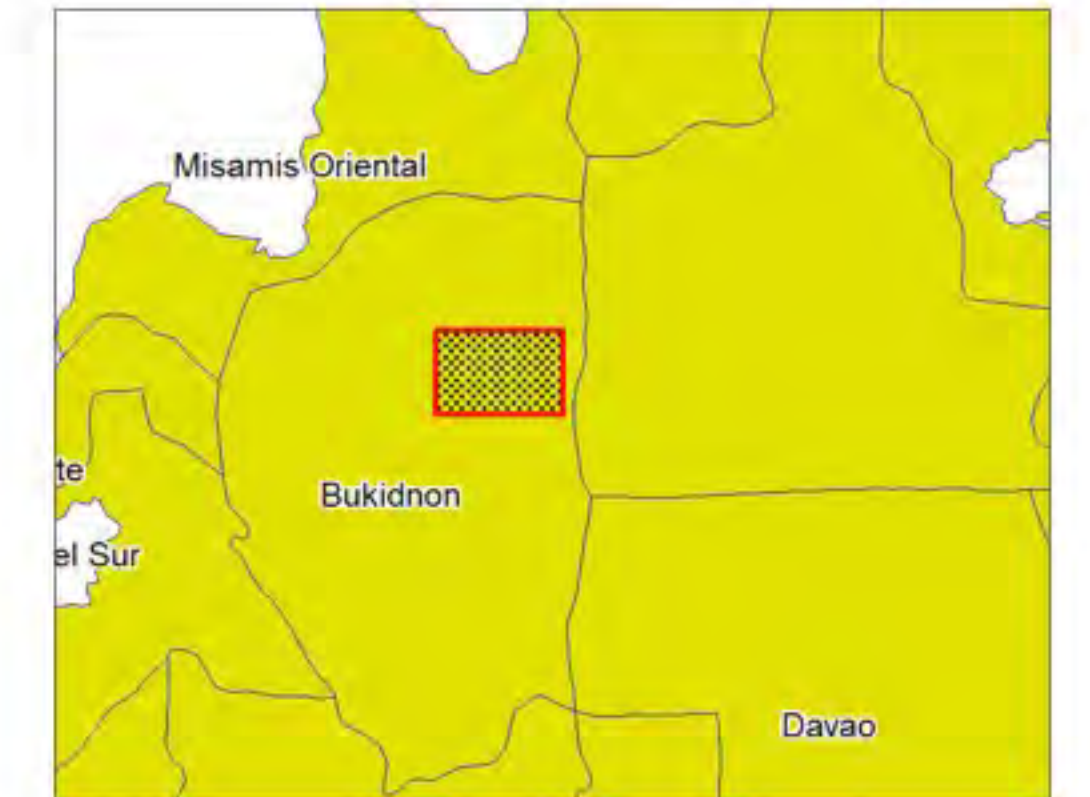


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LANDS GEOLOGICAL SURVEY DIVISION

LANDSLIDE SUSCEPTIBILITY MAP OF KALASUNGAY QUADRANGLE BUKIDNON PROVINCE, PHILIPPINES



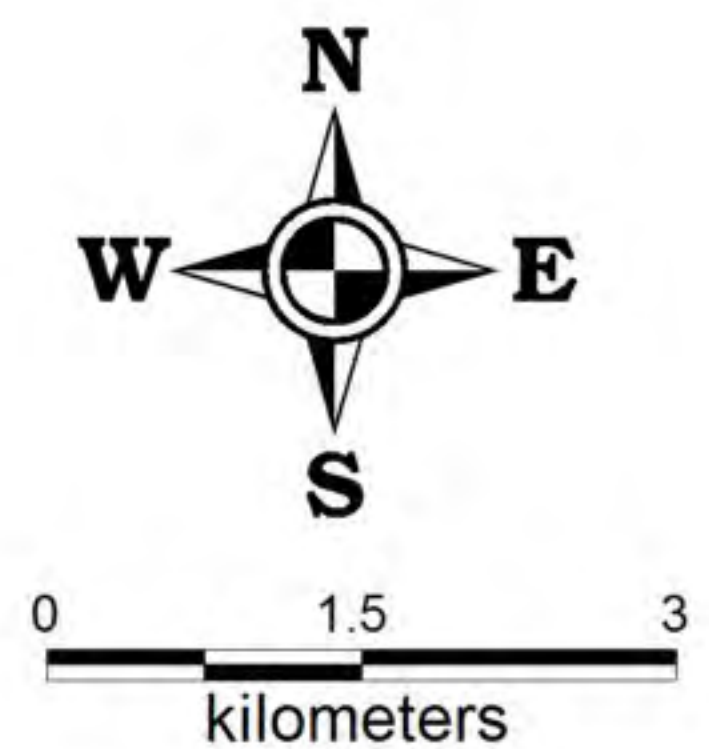
INDEX MAP



LEGEND :

- **High Susceptibility to Landslide**
Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- **Moderate Susceptibility to Landslide**
Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.
- **Low Susceptibility to Landslide**
Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.

- Roads
- River
- Municipal boundary
- Barangay center location



TRANSVERSE MERCATOR PROJECTION
MAPPING SCALE 1:50, 000

GIS Processing :
Lands Geological Survey Division

Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X

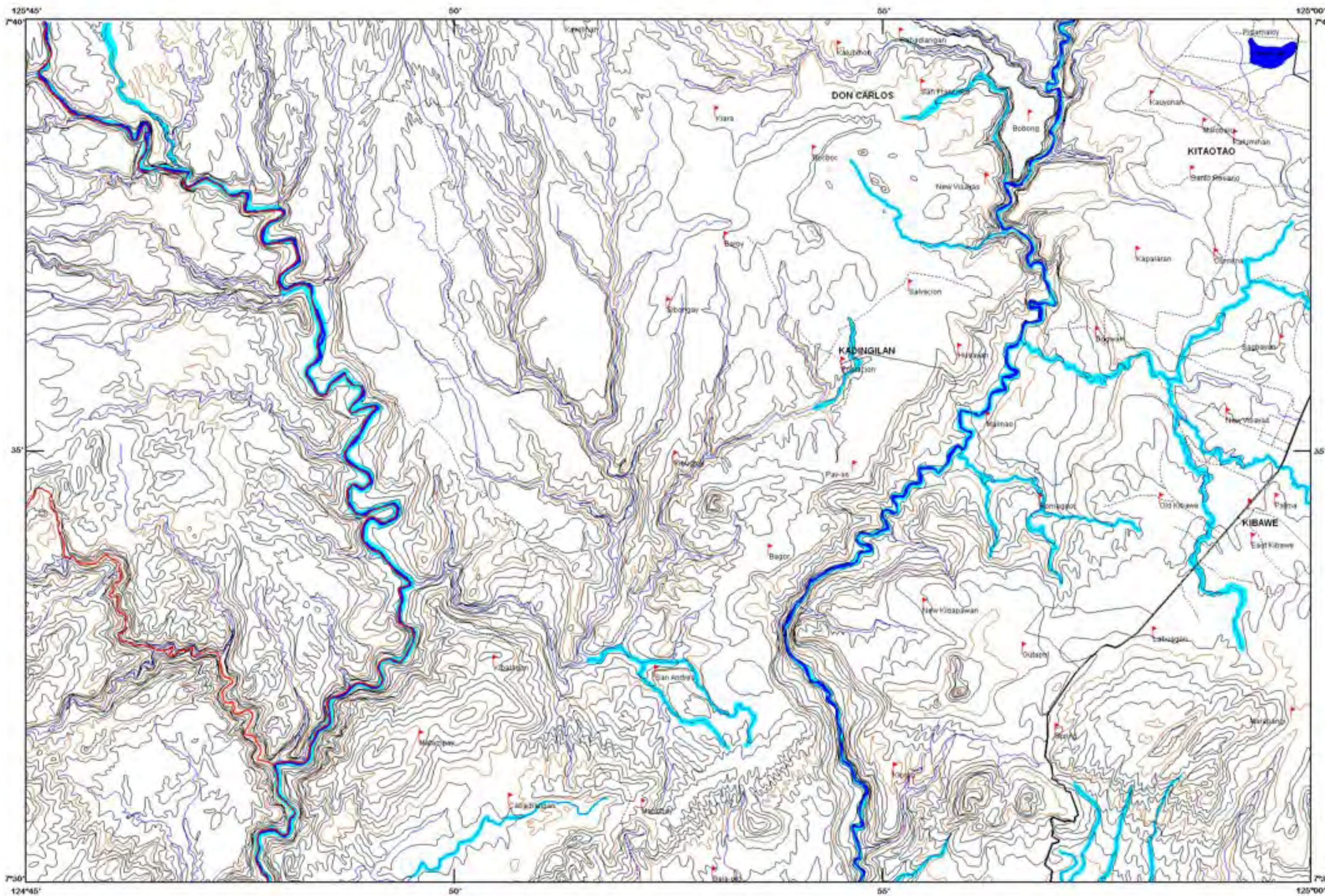
Base Map :
Sheet No. 4044 IV "Kalasungay Quadrangle"



DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
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LANDS GEOLOGICAL SURVEY DIVISION

FLOOD SUSCEPTIBILITY MAP OF KIBAWE QUADRANGLE

SHEET 3942 I



Scale 1:50,000
0 3 6
kilometers

LEGEND:

- Flood Prone Areas
- Barangay
- Minor Contour
- Major Contour
- Reef Corals
- Highway Road
- Trails
- Provincial Boundary
- River/Creek

Data Sources:
Geohazard Assessment Team - Region 10
Geosciences Division
MOB Region X

Base Map:
NAMRIA Topographic Map
Scale 1:50,000
Sheet No. 3942 I
"Kibawe Quadrangle"

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Note:

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LANDSLIDE SUSCEPTIBILITY MAP OF KIBAWE QUADRANGLE

SHEET 3942 I



Scale 1:50,000
0 3 6
kilometers

LEGEND:

- High
- Moderate
- None to Low

- Barangay
- Minor Contour
- Major Contour
- Reef Corals
- Highway/ Road
- Trails
- Provincial Boundary
- River/ Creek

Data Sources:
Geohazard Assessment Team - Region 10
Geosciences Division
MOB Region X

Base Map:
NAMRIA Topographic Map
Scale 1:50,000
Sheet No. 3942 I
"Kibawe Quadrangle"

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Note:

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Macabalan, Cagayan De Oro City

LANDSLIDE SUSCEPTIBILITY MAP OF LUMBAYAO QUADRANGLE

SHEET 4043 I



Scale 1:50,000
0 3 6
kilometers

LEGEND:

- High
- Moderate
- None to Low

- Barangay
- Minor Contour
- Major Contour
- Reef Corals
- Highway/ Road
- Trails
- Provincial Boundary
- River/ Creek

Data Sources:
Geohazard Assessment Team - Region 10
Geosciences Division
MOB Region X

Base Map:
NAMRIA Topographic Map
Scale 1:50,000
Sheet No. 4043 I
"Lumbayao Quadrangle"

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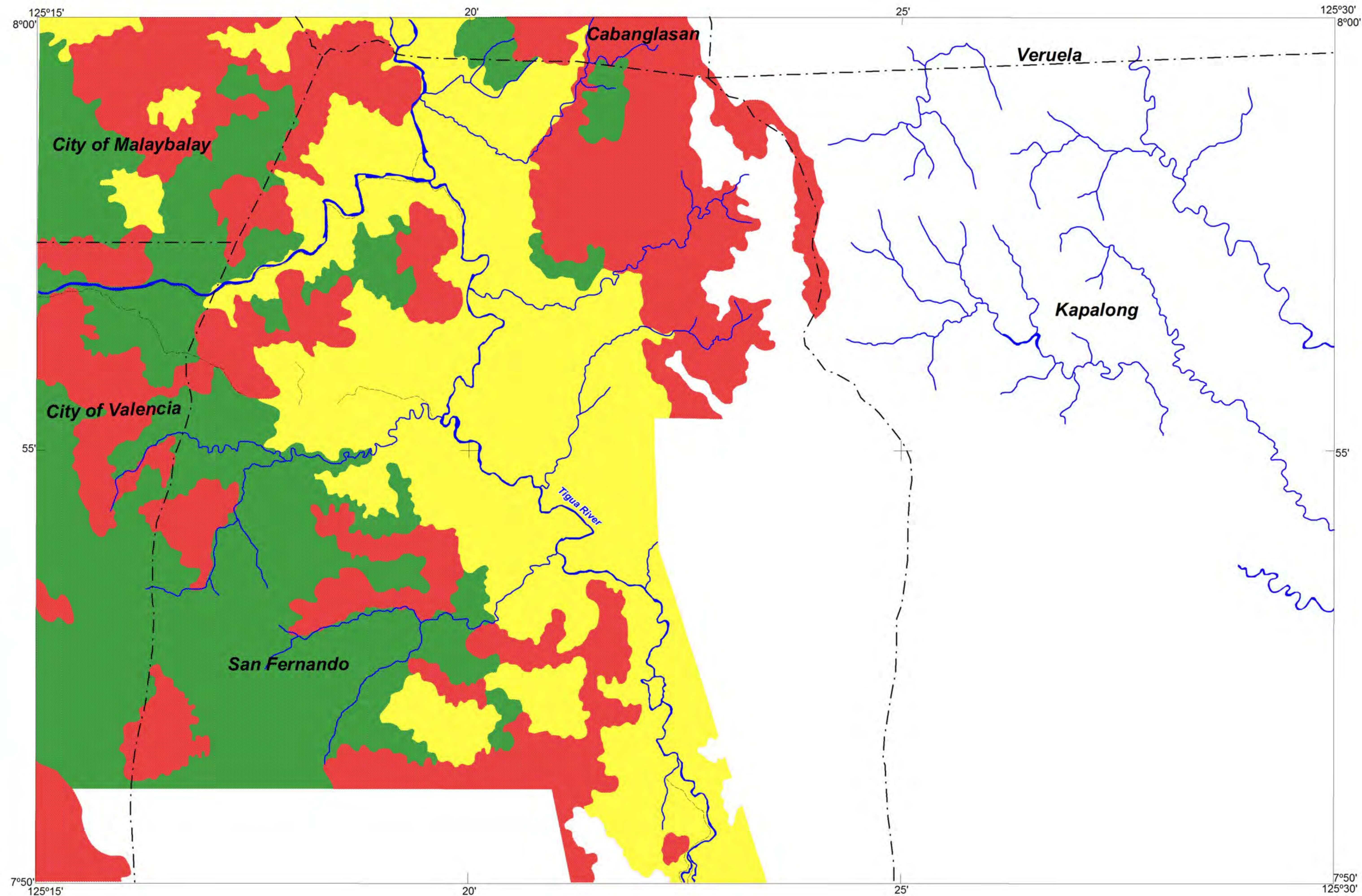
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Tel. Nos. (088) 858-1331

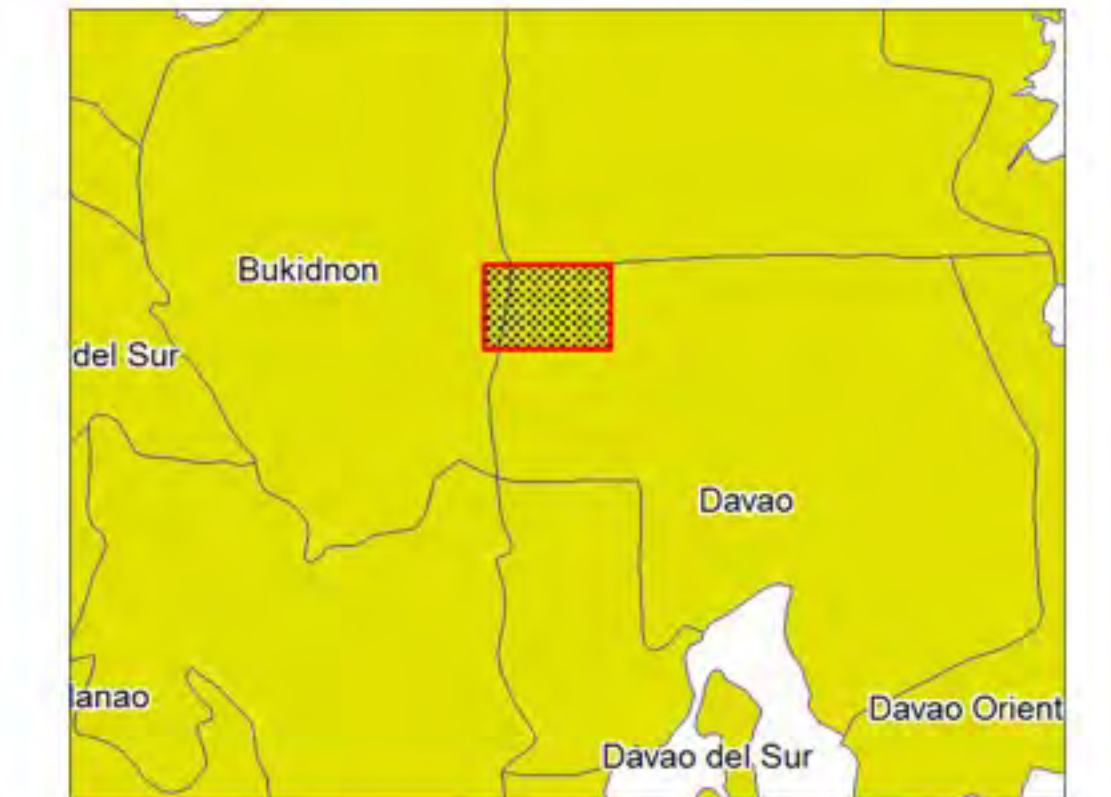


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Macabalan, Cagayan De Oro City

LANDSLIDE SUSCEPTIBILITY MAP OF LUMBAYAO QUADRANGLE BUKIDNON PROVINCE, PHILIPPINES



INDEX MAP



LEGEND :

- **High Susceptibility to Landslide**
Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- **Moderate Susceptibility to Landslide**
Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.
- **Low Susceptibility to Landslide**
Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.

- Roads
- River
- Municipal boundary
- Barangay center location



0 1.5 3
kilometers

TRANSVERSE MERCATOR PROJECTION
MAPPING SCALE 1:50, 000

GIS Processing :
Lands Geological Survey Division

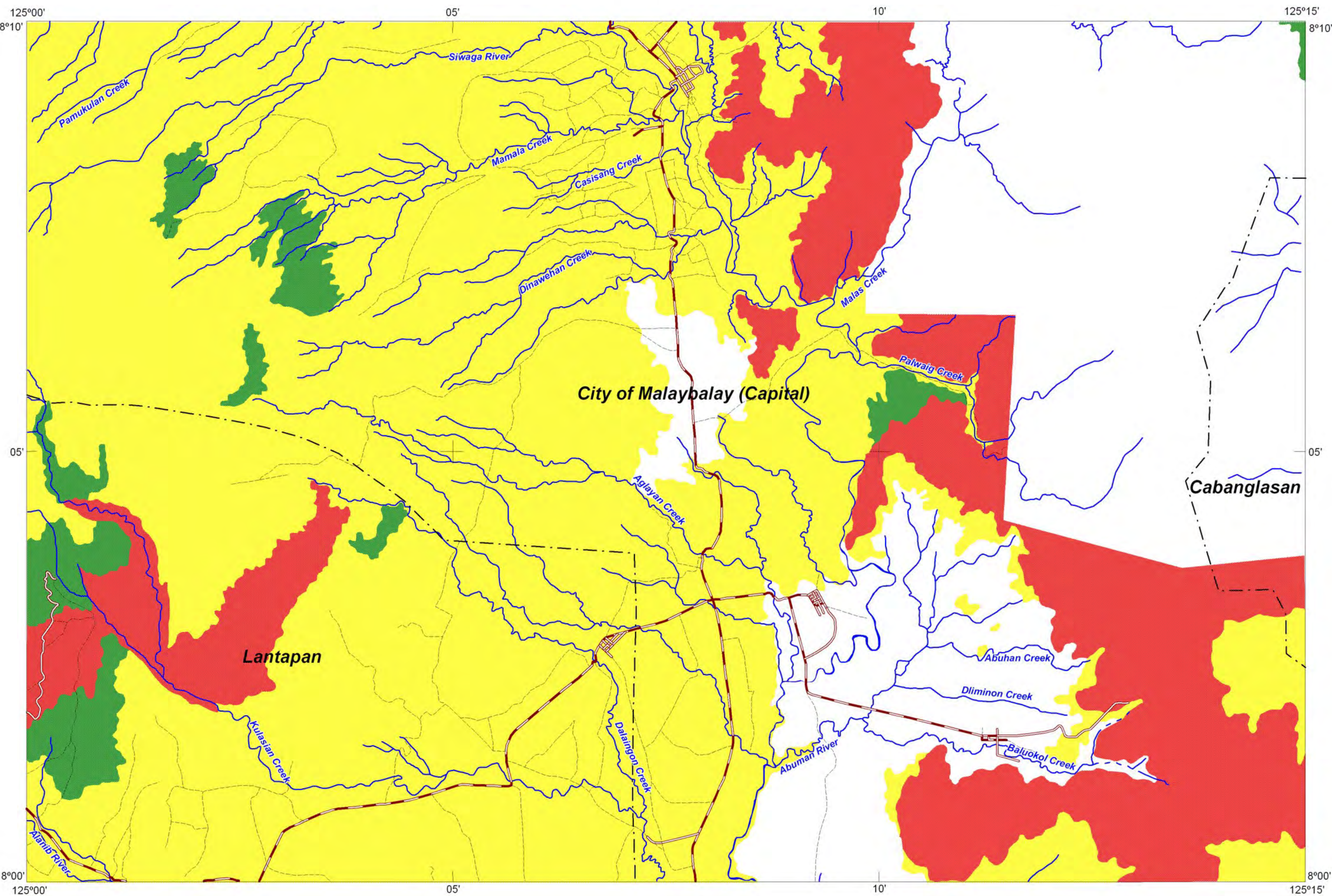
Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X

Base Map :
Sheet No. 4043 I "Lumbayao Quadrangle"

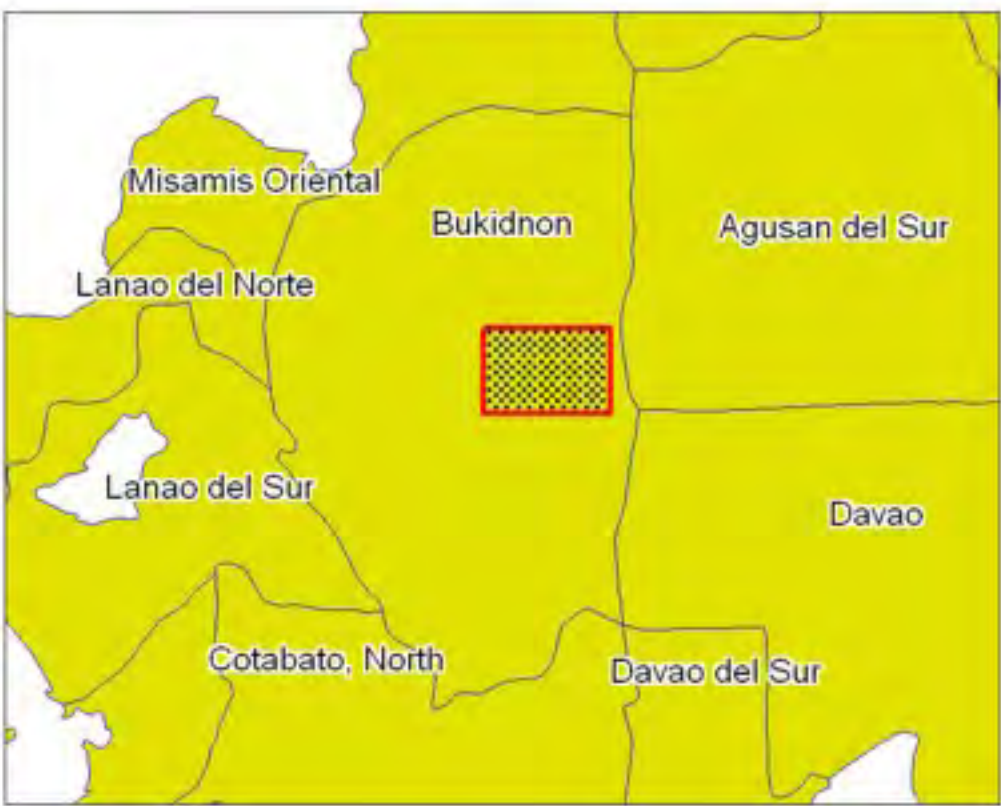


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LANDS GEOLOGICAL SURVEY DIVISION

LANDSLIDE SUSCEPTIBILITY MAP OF MALAYBALAY QUADRANGLE BUKIDNON PROVINCE, PHILIPPINES



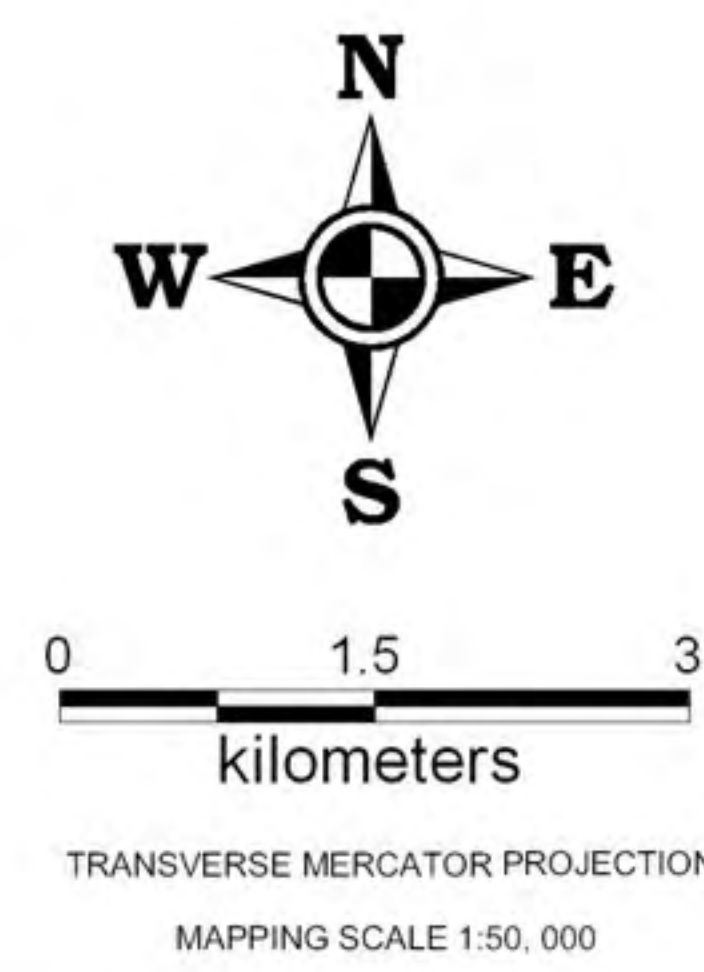
INDEX MAP



LEGEND :

- High susceptibility to landslide**
Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- Moderate susceptibility to landslide**
Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.
- Low susceptibility to landslide**
Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.

- Roads
- River
- Municipal boundary
- Barangay center location

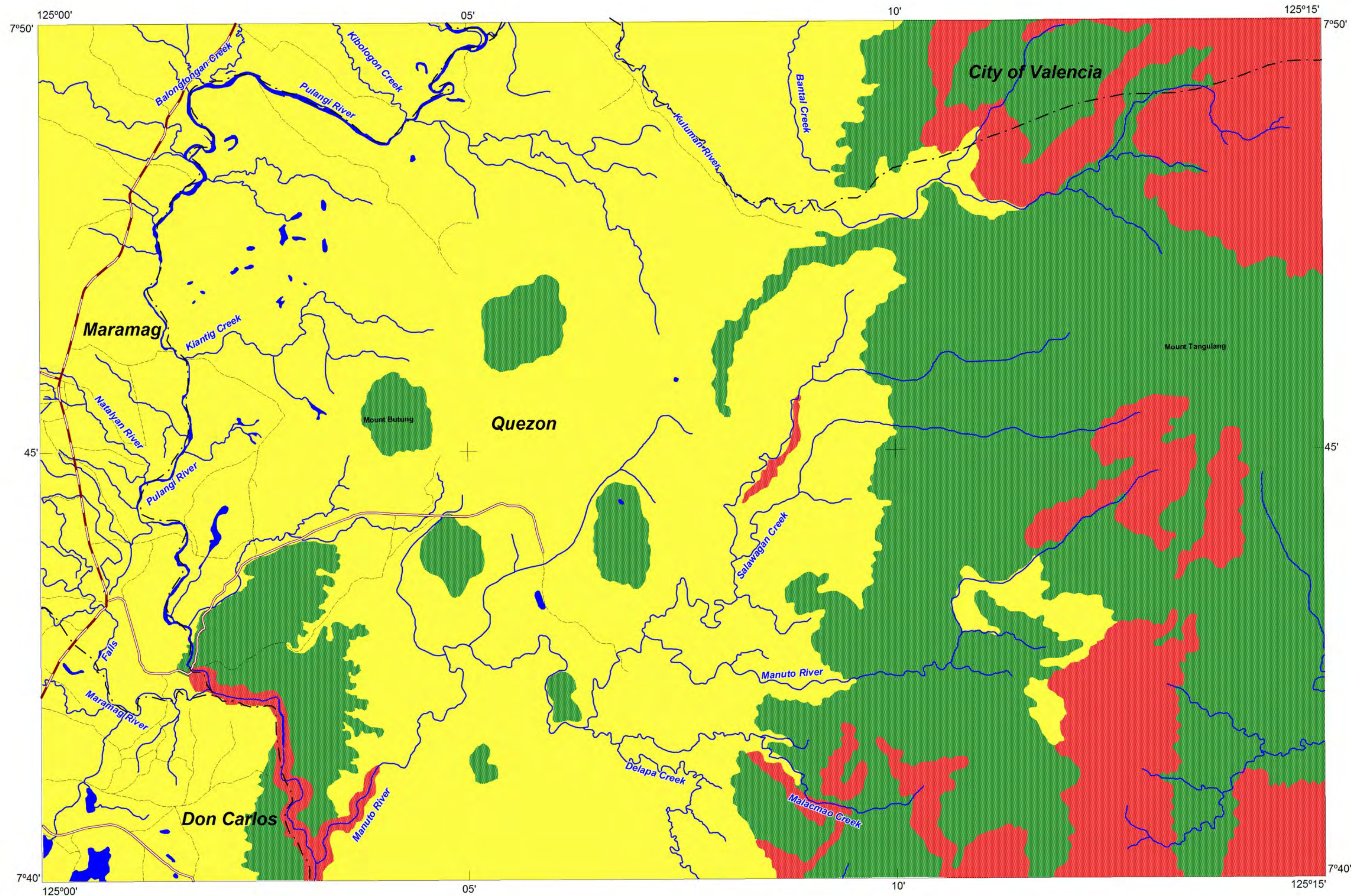


GIS Processing :
Lands Geological Survey Division

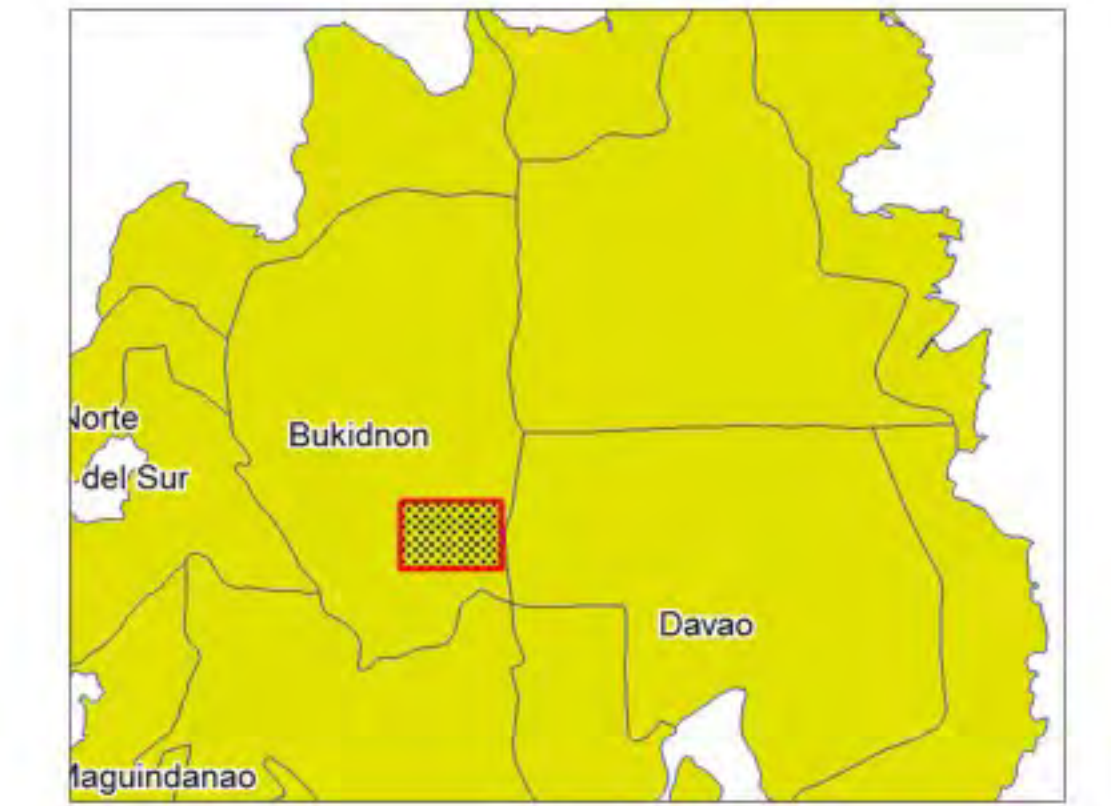
Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X

Base Map :
Sheet No. 4044 III "Malaybalay Quadrangle"

LANDSLIDE SUSCEPTIBILITY MAP OF MARAMAG QUADRANGLE BUKIDNON PROVINCE, PHILIPPINES



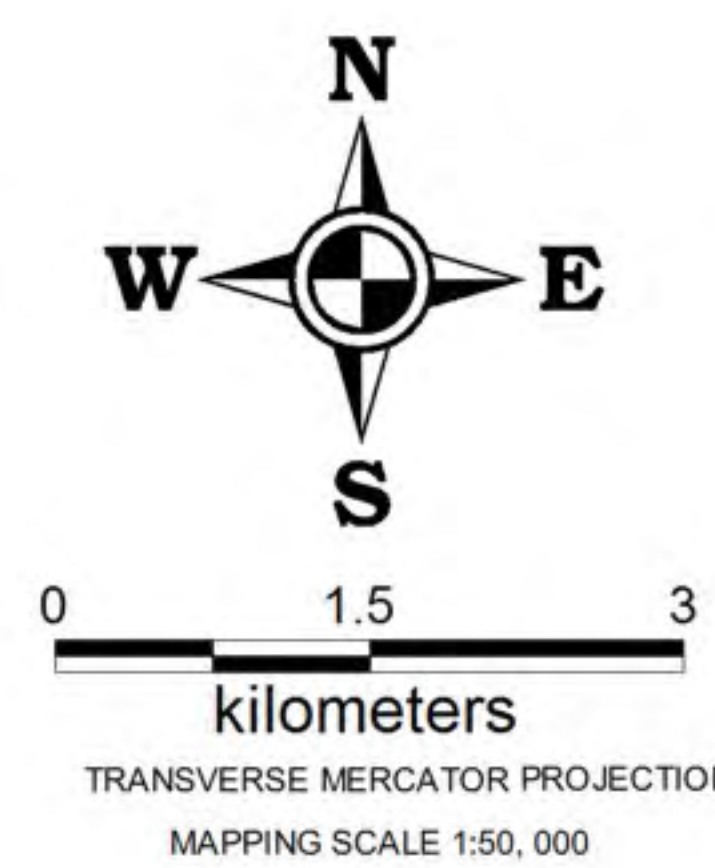
INDEX MAP



LEGEND :

- **High Susceptibility to Landslide**
Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- **Moderate Susceptibility to Landslide**
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- **Low Susceptibility to Landslide**
Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.

- Roads
- River
- Municipal boundary
- Barangay center location

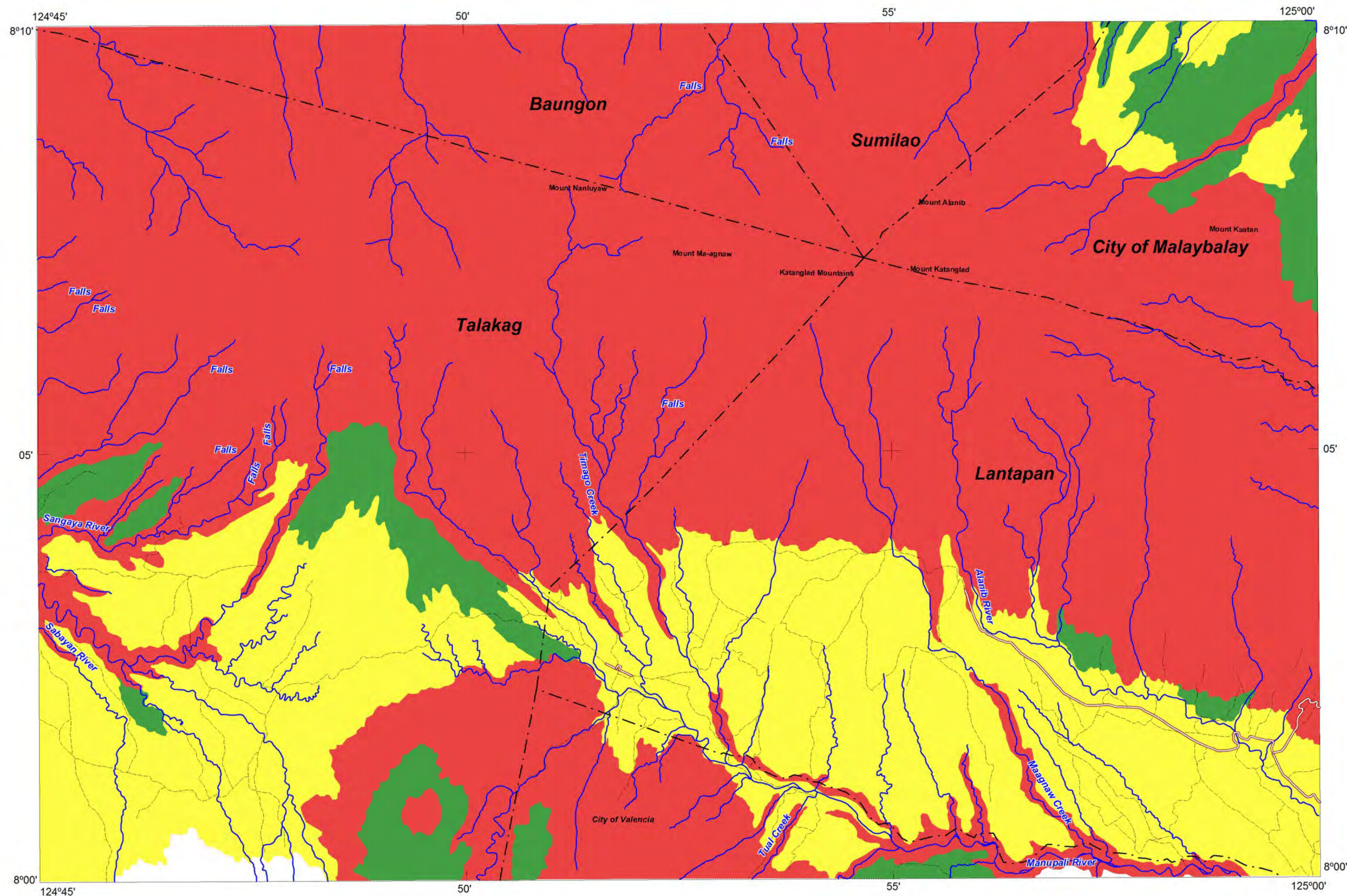


GIS Processing :
Lands Geological Survey Division

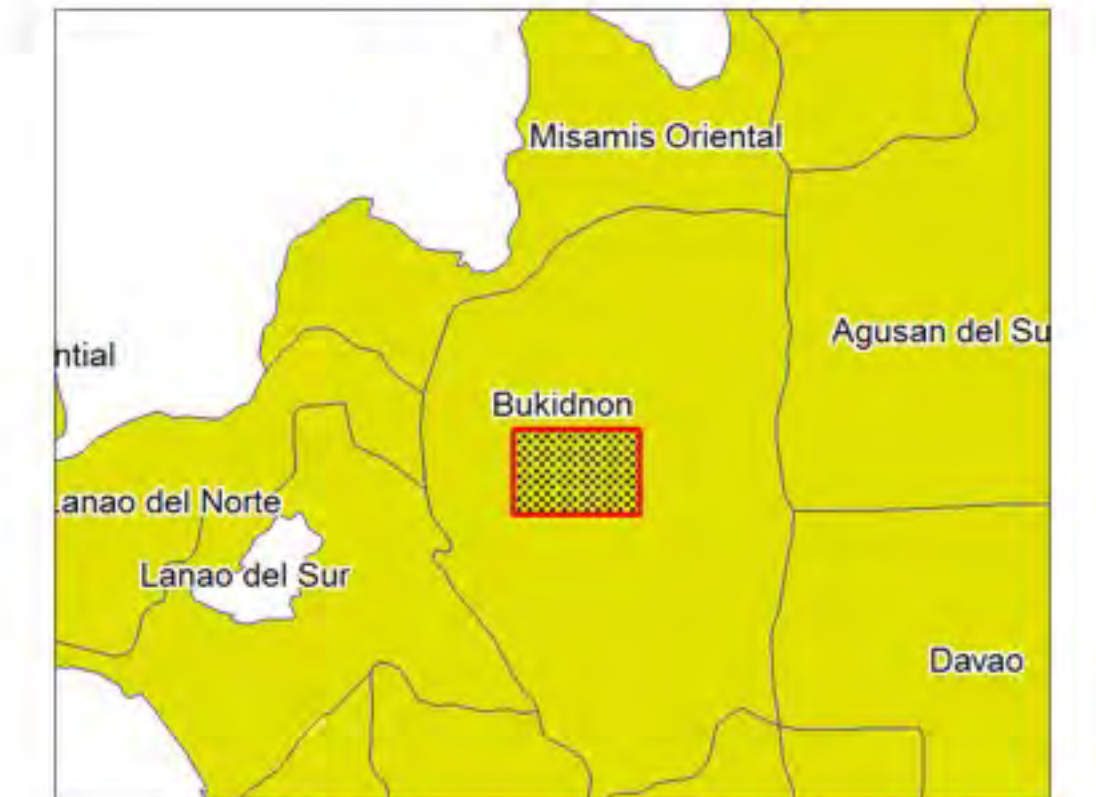
Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X

Base Map :
Sheet No. 4043 III "Maramag Quadrangle"

LANDSLIDE SUSCEPTIBILITY MAP OF MOUNT KATANGLAD QUADRANGLE BUKIDNON PROVINCE, PHILIPPINES



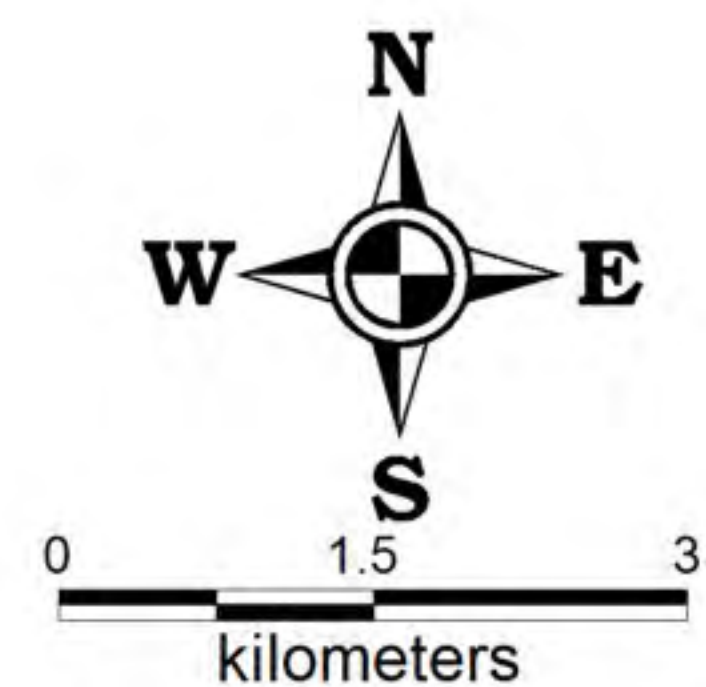
INDEX MAP



LEGEND :

- **High Susceptibility to Landslide**
Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- **Moderate Susceptibility to Landslide**
Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.
- **Low Susceptibility to Landslide**
Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.

- Roads
- River
- Municipal boundary
- Barangay center location



TRANSVERSE MERCATOR PROJECTION
MAPPING SCALE 1:50,000

GIS Processing :
Lands Geological Survey Division

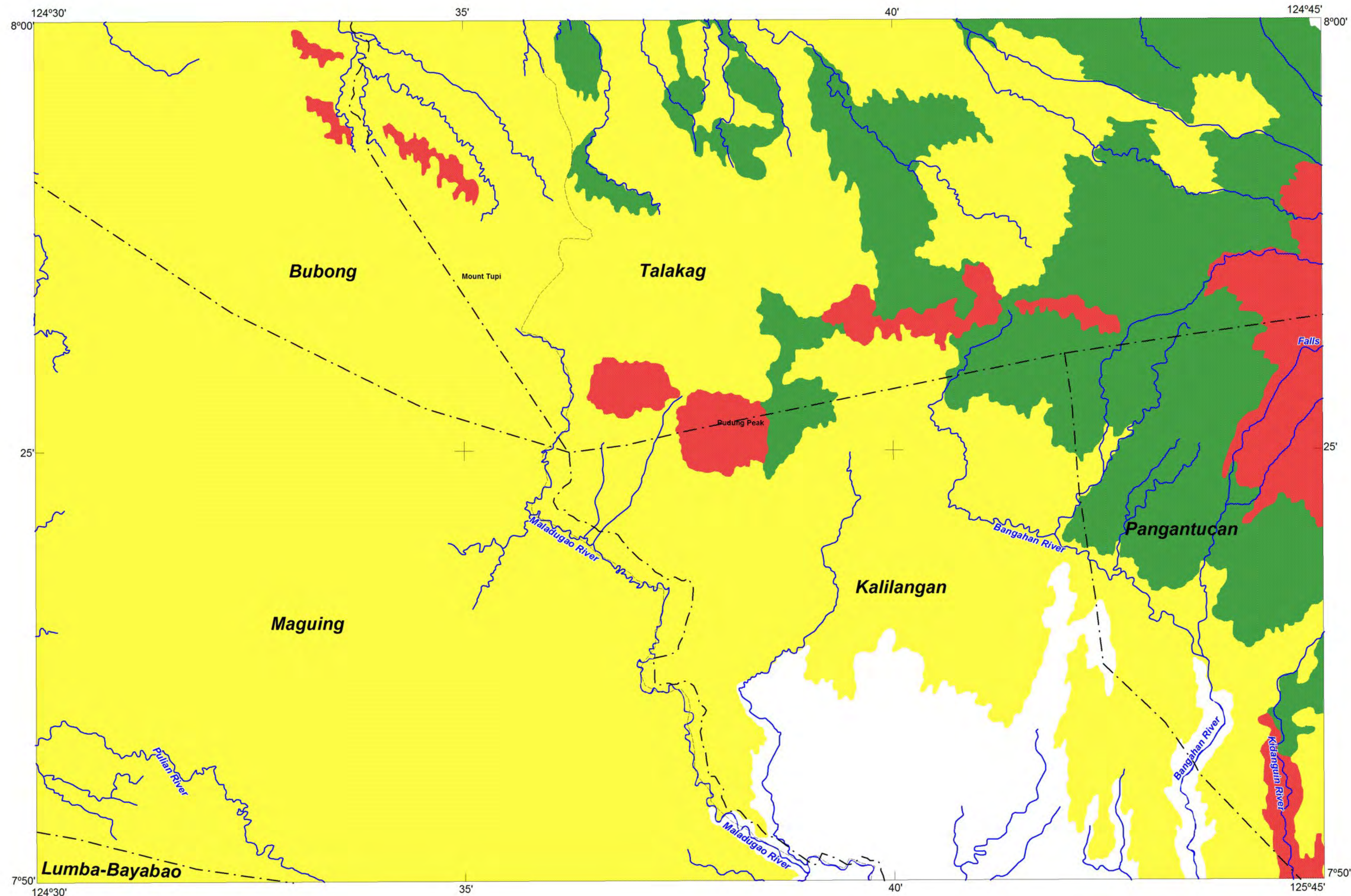
Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X

Base Map :
Sheet No. 3944 II "Mount Katanglad Quadrangle"

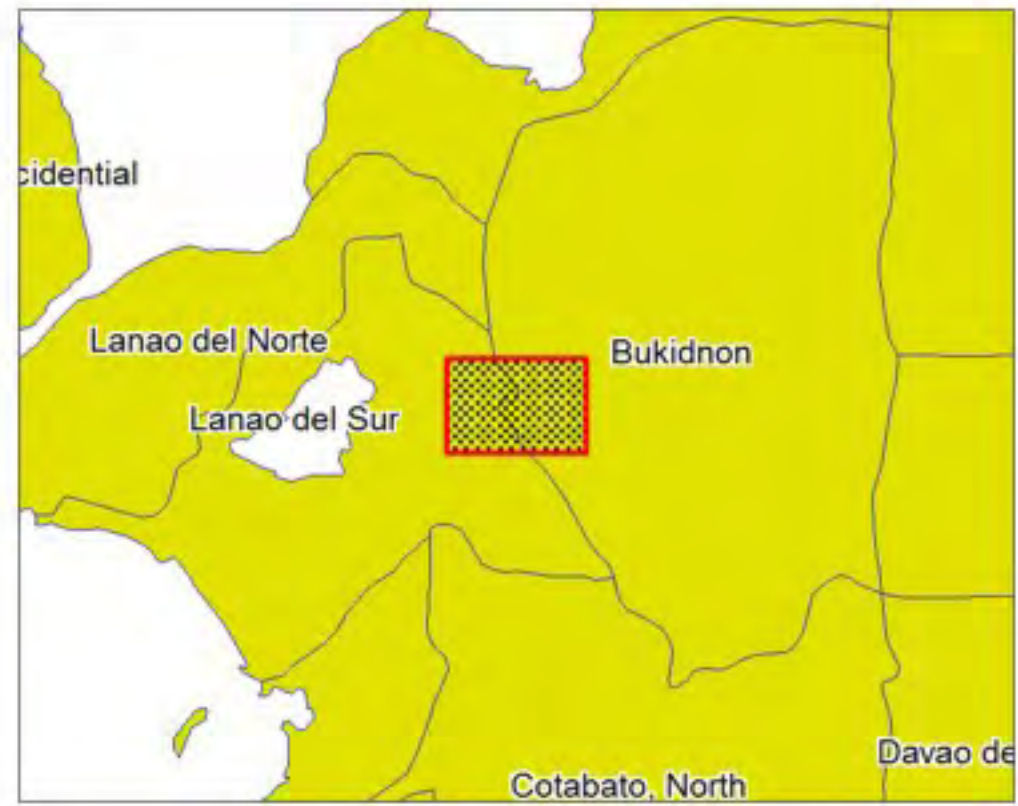


DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
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LANDS GEOLOGICAL SURVEY DIVISION

LANDSLIDE SUSCEPTIBILITY MAP OF PUDUNG PEAKS QUADRANGLE BUKIDNON PROVINCE, PHILIPPINES



INDEX MAP



LEGEND :

- High Susceptibility to Landslide**
- Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- Moderate Susceptibility to Landslide**
- Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.
- Low Susceptibility to Landslide**
- Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.

- Roads
- River
- Municipal boundary
- Barangay center location



0 1.5 3
kilometers

TRANSVERSE MERCATOR PROJECTION
MAPPING SCALE 1:50, 000

GIS Processing :
Lands Geological Survey Division

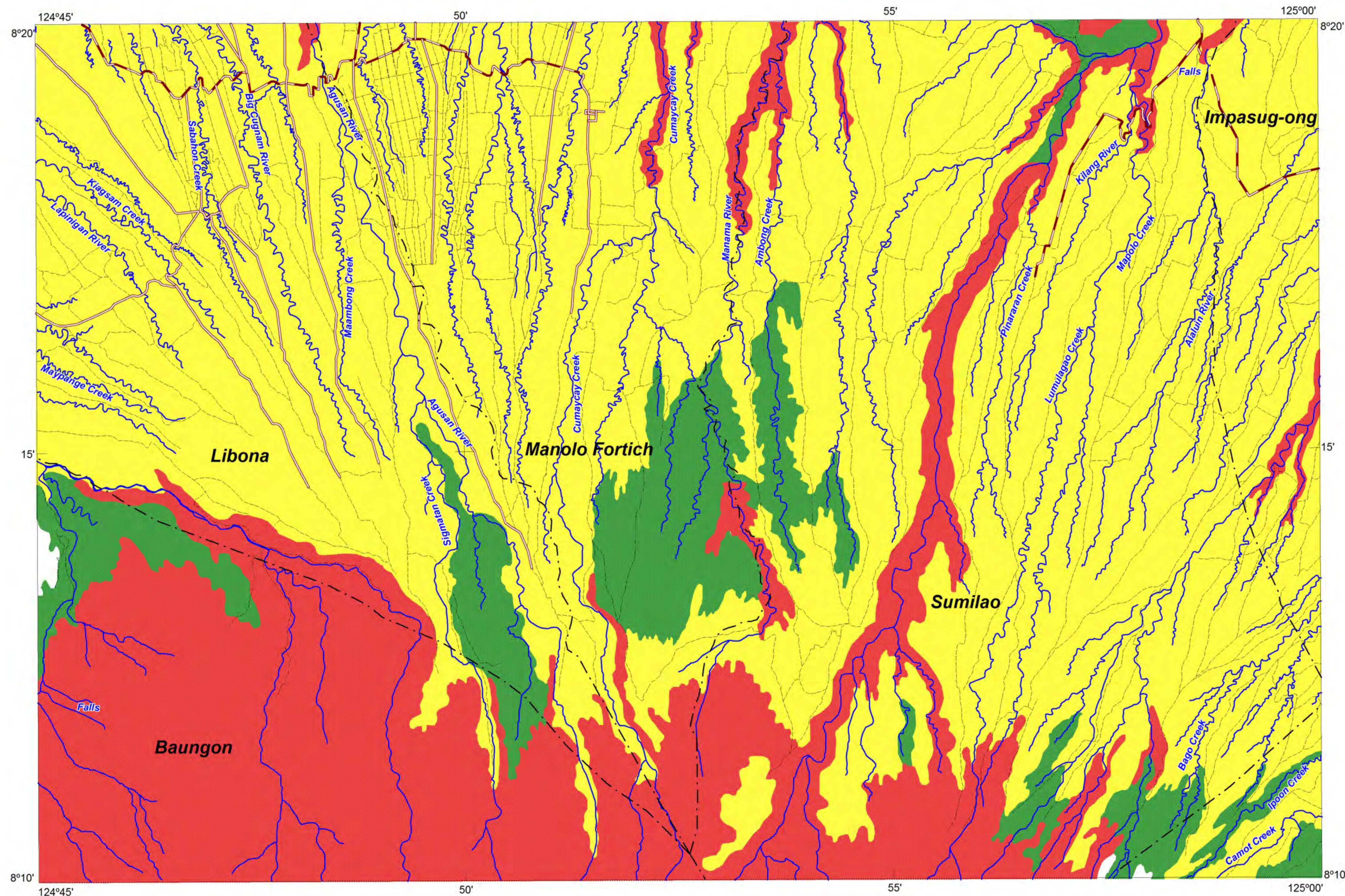
Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X

Base Map :
Sheet No. 3943 IV "Pudung Peaks Quadrangle"

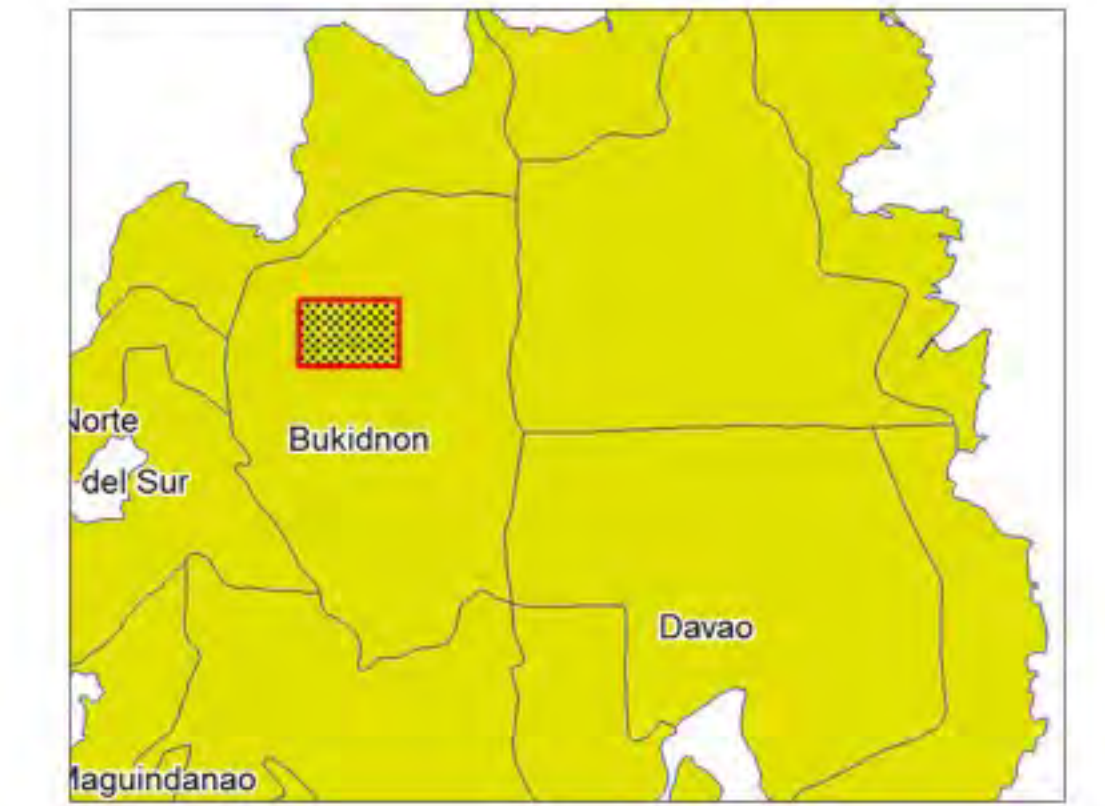


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LANDS GEOLOGICAL SURVEY DIVISION

LANDSLIDE SUSCEPTIBILITY MAP OF SUMILAO QUADRANGLE BUKIDNON PROVINCE, PHILIPPINES



INDEX MAP



LEGEND :

- **High Susceptibility to Landslide**
Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- **Moderate Susceptibility to Landslide**
Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.
- **Low Susceptibility to Landslide**
Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.
- Roads
- River
- Municipal boundary
- Barangay center location



0 1.5 3
kilometers

TRANSVERSE MERCATOR PROJECTION
MAPPING SCALE 1:50, 000

GIS Processing :
Lands Geological Survey Division

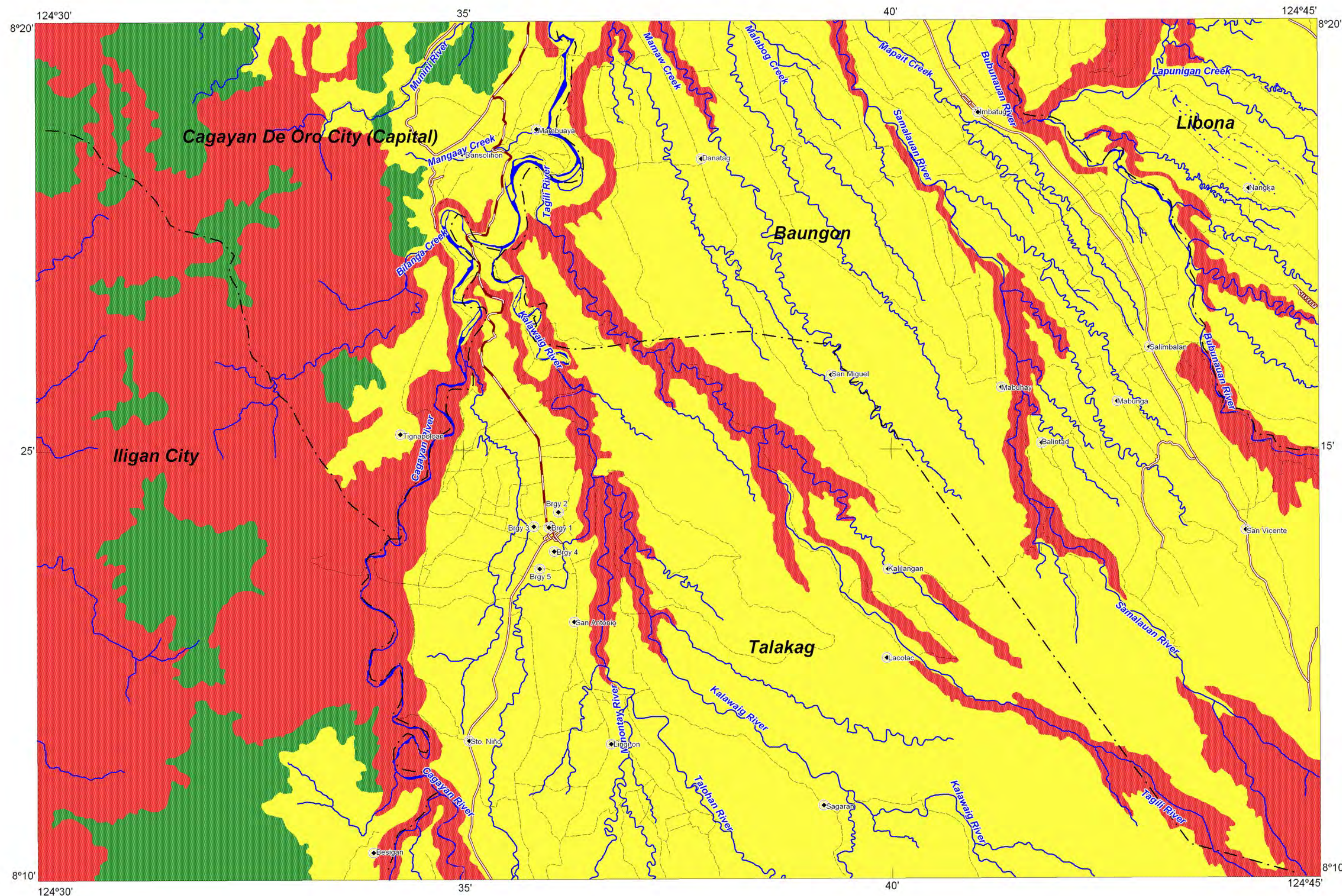
Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X

Base Map :
Sheet No. 3944 I "Sumilao Quadrangle"



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LANDS GEOLOGICAL SURVEY DIVISION

LANDSLIDE SUSCEPTIBILITY MAP OF TALAKAG QUADRANGLE MISAMIS ORIENTAL AND BUKIDNON PROVINCES, PHILIPPINES



INDEX MAP



LEGEND :

- **High Susceptibility to Landslide**
Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- **Moderate Susceptibility to Landslide**
Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.
- **Low Susceptibility to Landslide**
Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.
- Roads
- River
- Municipal boundary
- Barangay center location



0 1.5 3
kilometers

TRANSVERSE MERCATOR PROJECTION
MAPPING SCALE 1:50, 000

GIS Processing :
Lands Geological Survey Division

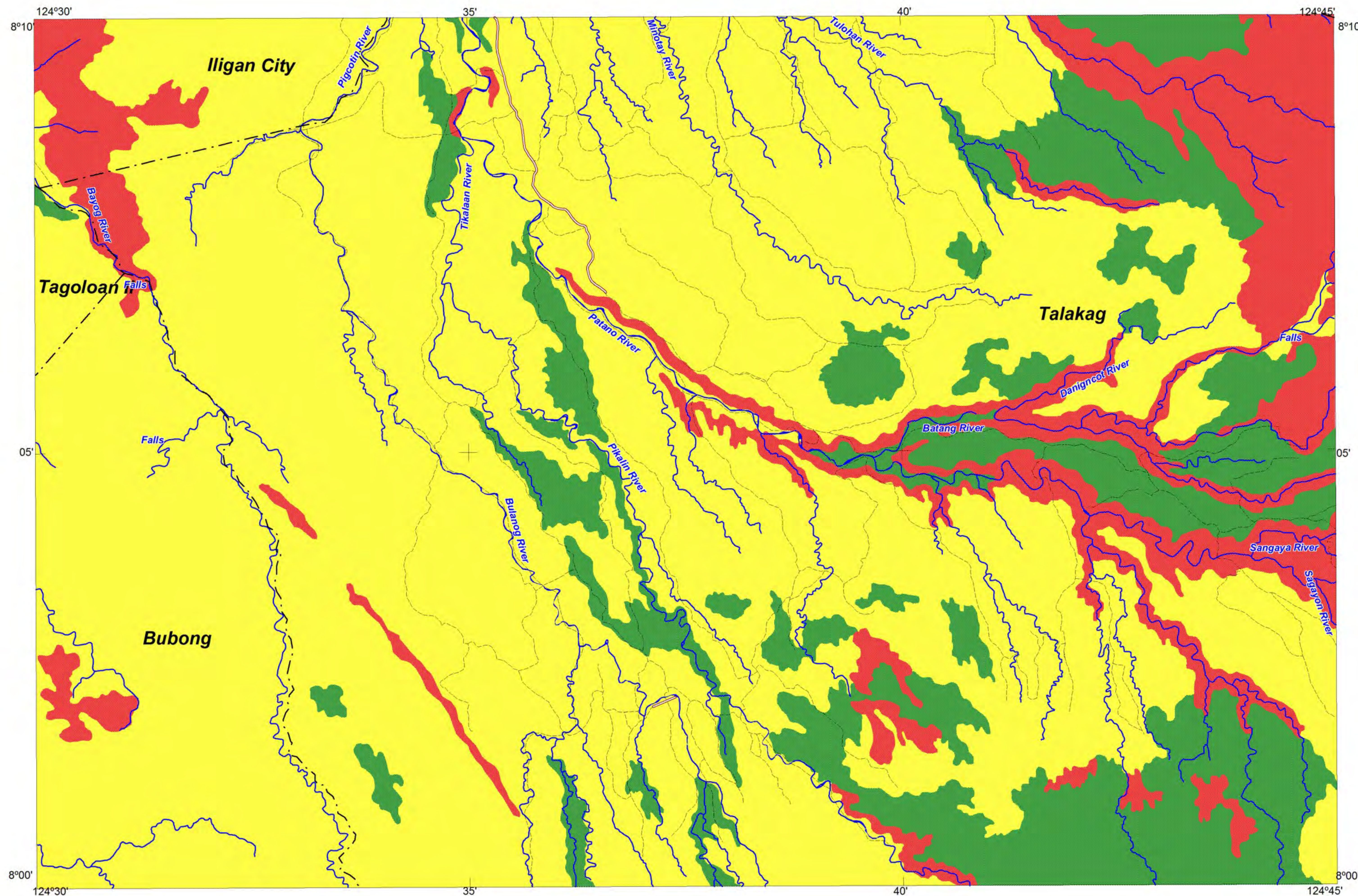
Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X

Base Map :
Sheet No. 3944 IV "Talakag Quadrangle"

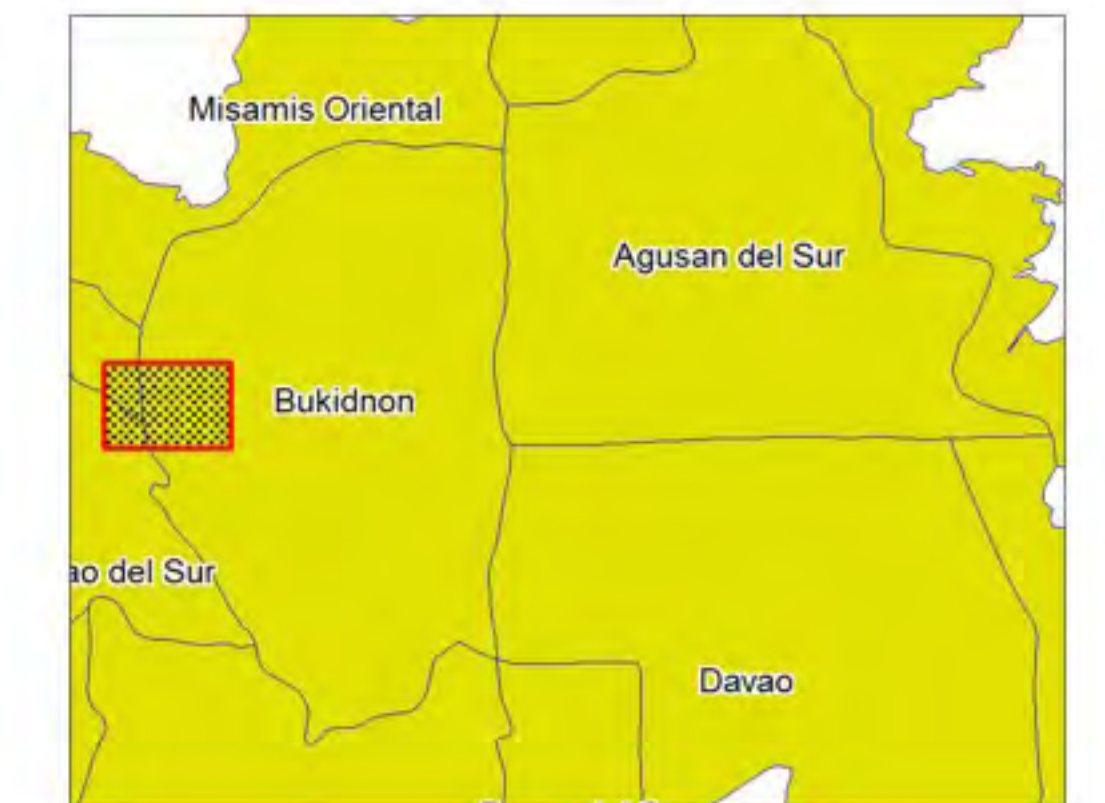


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MINES AND GEOSCIENCES BUREAU
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

LANDSLIDE SUSCEPTIBILITY MAP OF TAMPOLONG QUADRANGLE BUKIDNON PROVINCE, PHILIPPINES



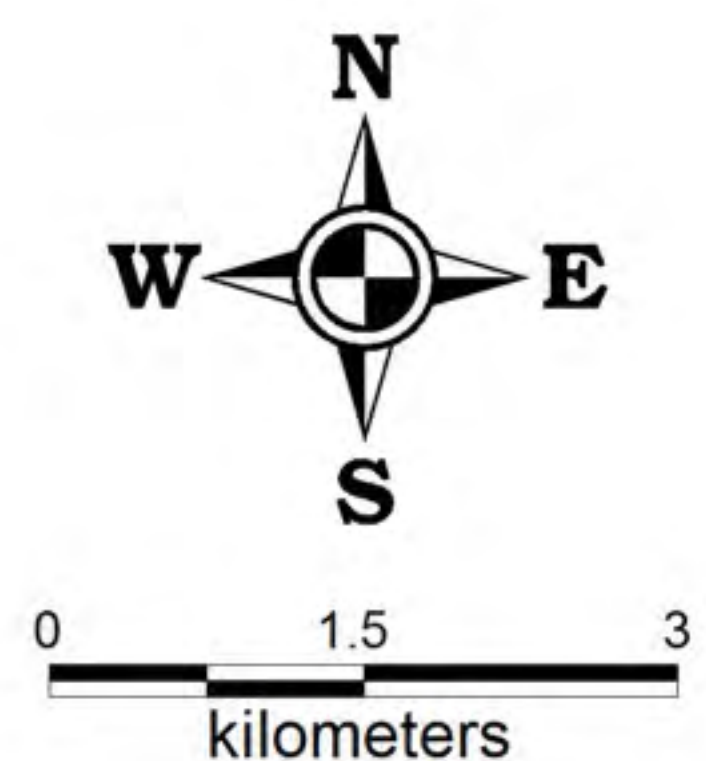
INDEX MAP



LEGEND :

- **High Susceptibility to Landslide**
Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- **Moderate Susceptibility to Landslide**
Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.
- **Low Susceptibility to Landslide**
Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.

- Roads
- River
- Municipal boundary
- Barangay center location



TRANSVERSE MERCATOR PROJECTION
MAPPING SCALE 1:50,000

GIS Processing :
Lands Geological Survey Division

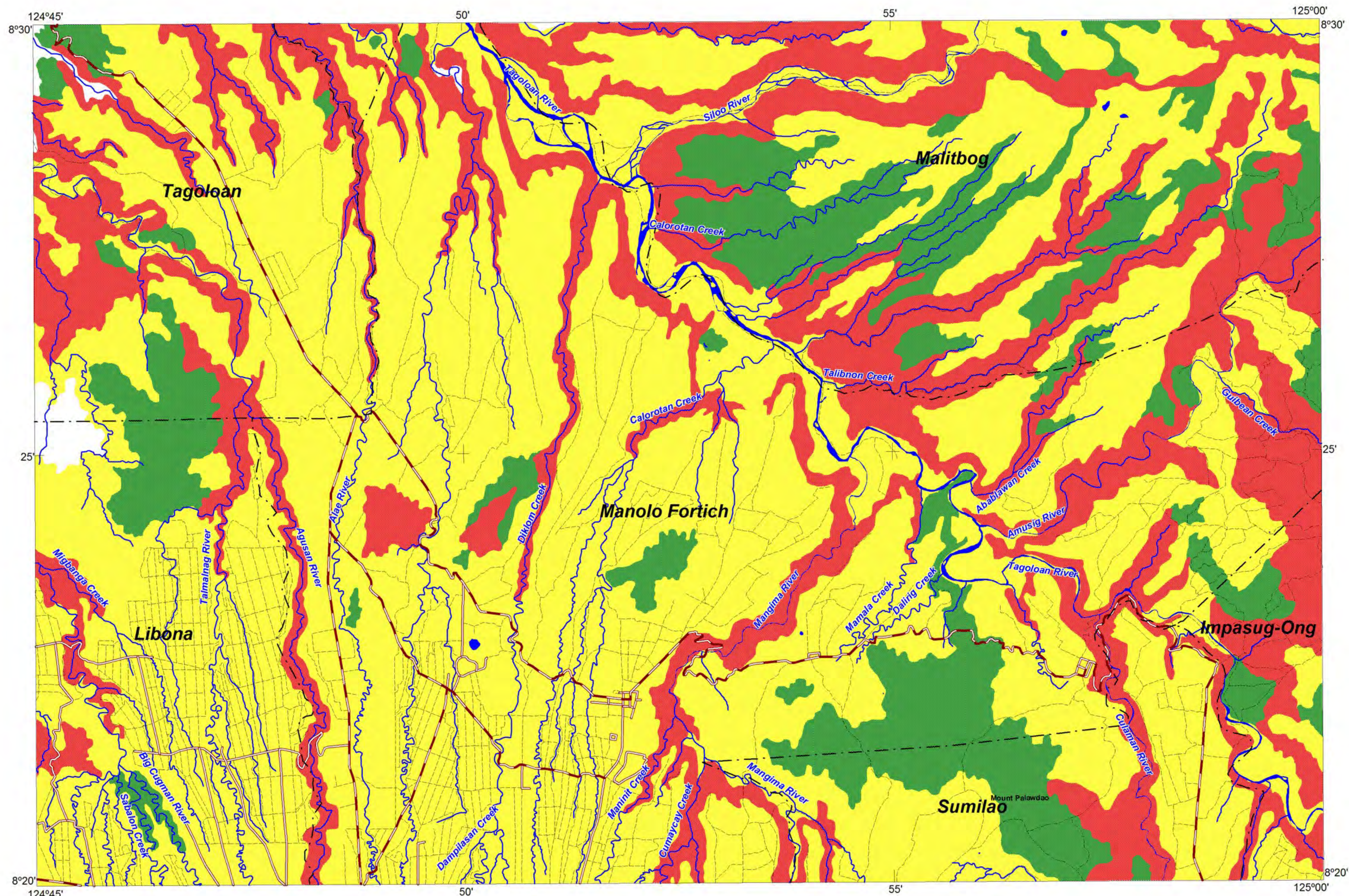
Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X

Base Map :
Sheet No. 3944 III "Tampolong Quadrangle"



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LANDS GEOLOGICAL SURVEY DIVISION

LANDSLIDE SUSCEPTIBILITY MAP OF TANKULAN QUADRANGLE BUKIDNON PROVINCE, PHILIPPINES



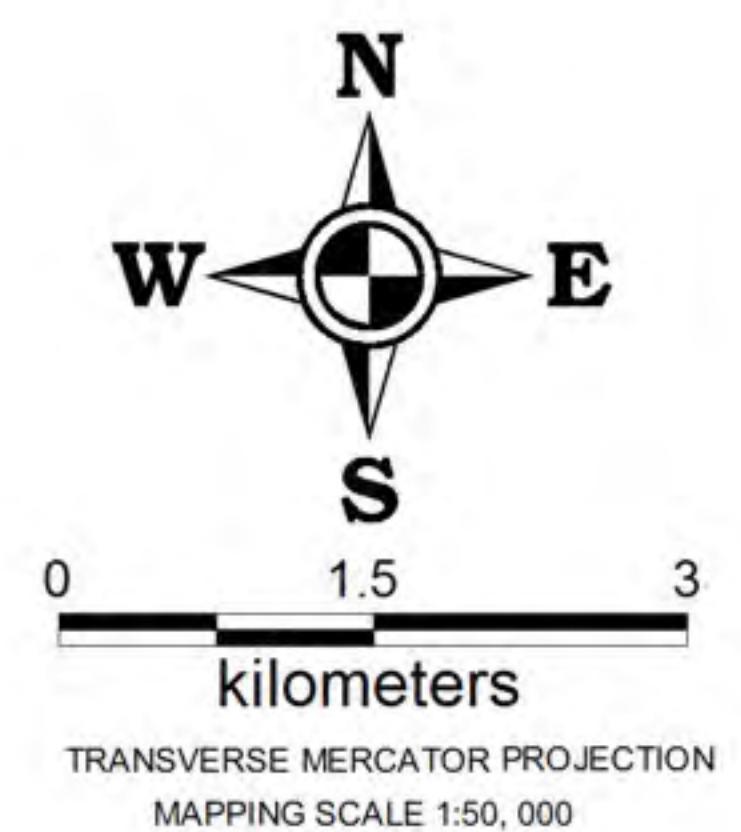
INDEX MAP



LEGEND :

- **High Susceptibility to Landslide**
Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- **Moderate Susceptibility to Landslide**
Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.
- **Low Susceptibility to Landslide**
Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.

- Roads
- River
- Municipal boundary
- Barangay center location



GIS Processing :
Lands Geological Survey Division

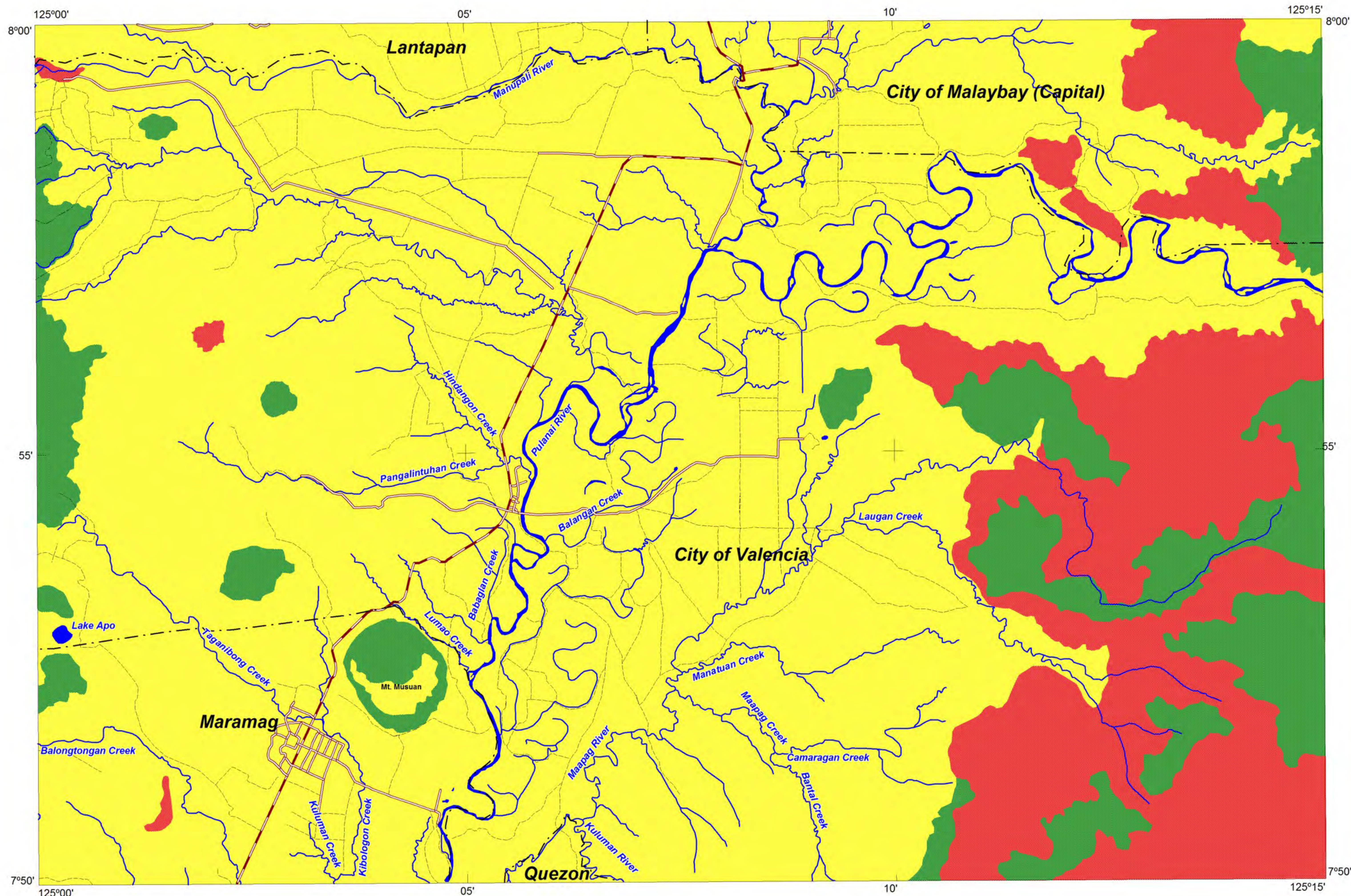
Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X

Base Map :
Sheet No. 3945 II "Tankulan Quadrangle"

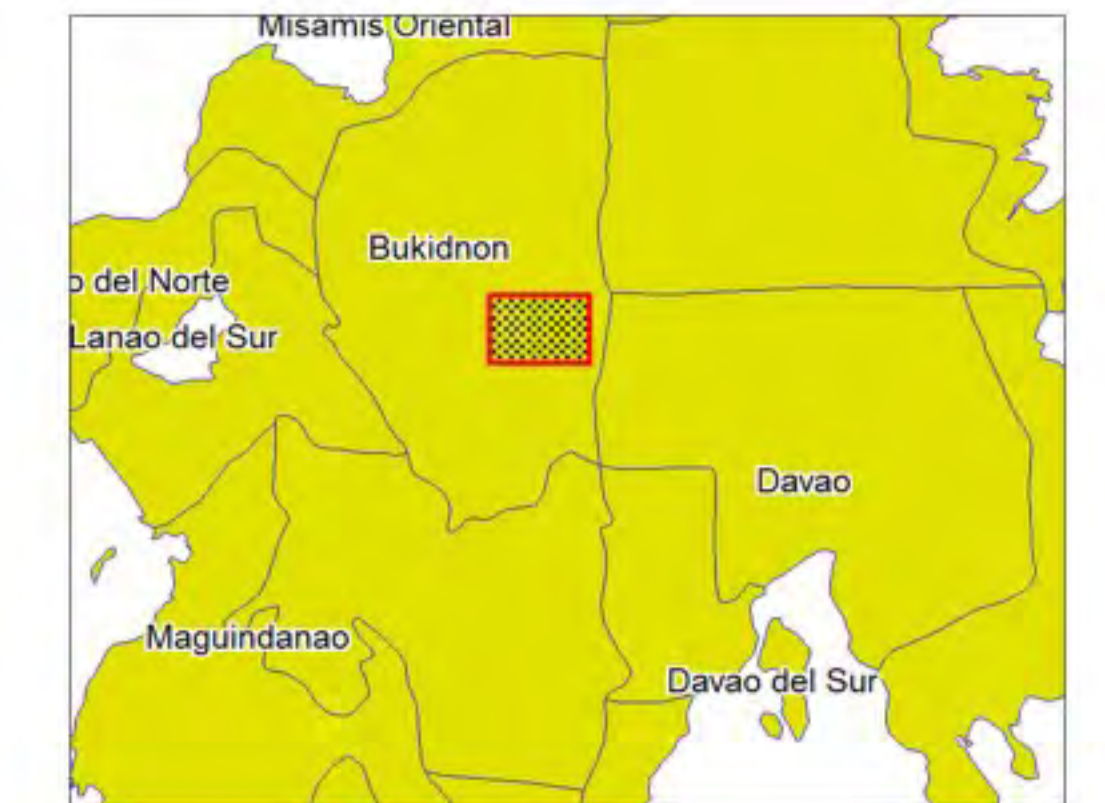


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LANDSLIDE SUSCEPTIBILITY MAP OF VALENCIA QUADRANGLE BUKIDNON PROVINCE, PHILIPPINES



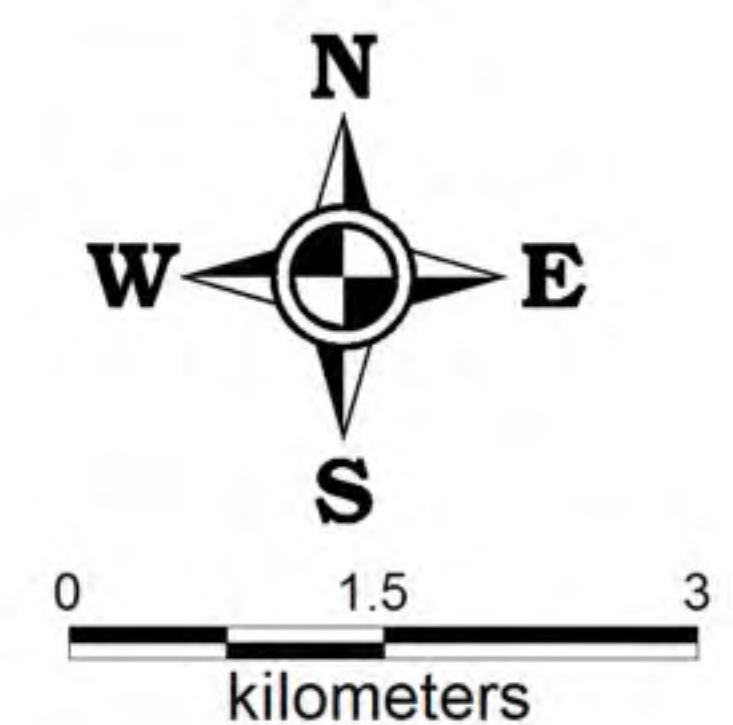
INDEX MAP



LEGEND :

- **High Susceptibility to Landslide**
Areas with high landslide susceptibility rating have active/recent landslides and tension cracks that would directly affect the community. Those with steep slopes and drainages that are prone to landslide damming are also highly susceptible to landslides.
- **Moderate Susceptibility to Landslide**
Areas with moderate landslide susceptibility rating have inactive/old landslides and tension cracks which are located away from the community. These areas usually have moderate slopes.
- **Low Susceptibility to Landslide**
Areas with low to gentle slopes and lacking tension cracks have low landslide susceptibility rating.

- Roads
- River
- Municipal boundary
- Barangay center location



TRANSVERSE MERCATOR PROJECTION
MAPPING SCALE 1:50, 000

GIS Processing :
Lands Geological Survey Division

Data Sources:
MGB Geohazard Assessment Team
Geological Database and Information Systems Section
Lands Geological Survey Division
Geosciences Division MGB RO X

Base Map :
Sheet No. 4043 IV "Valencia Quadrangle"



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