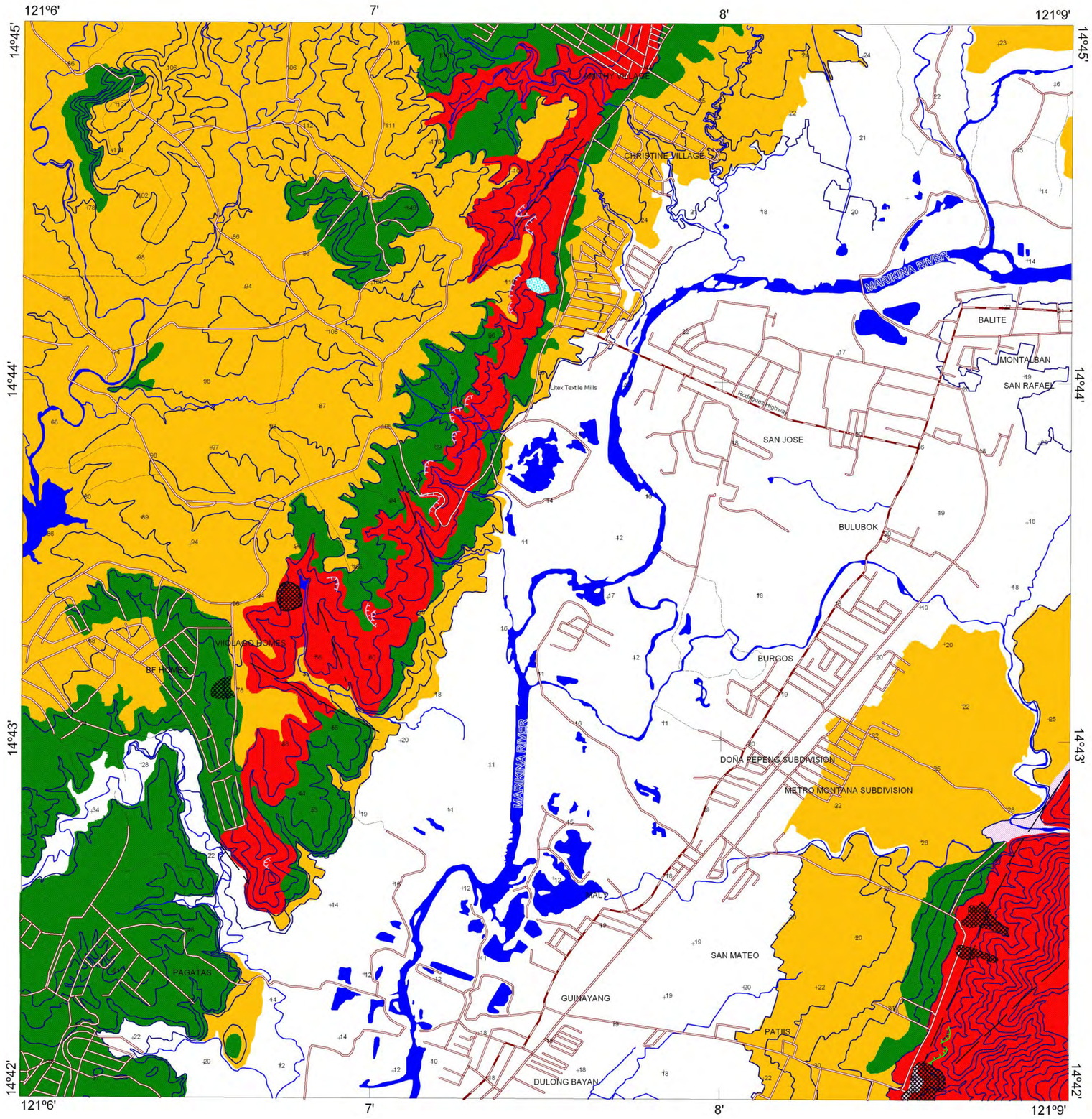
DETAILED LANDSLIDE HAZARD MAP OF MONTALBAN, RIZAL PROVINCE, PHILIPPINES



N
W E
S

0 0.5 1
kilometers

UTM Zone 51 Clarke 1866 Luzon Datum
MAPPING SCALE 1 : 10,000

LEGEND :

High Landslide Susceptibility
Unstable areas. Highly susceptible to mass movements.

Moderate Landslide Susceptibility
Stable areas with occasional and localized mass movement.

Low Landslide Susceptibility
Stable areas with no identified landslide scars, either inactive or active.

Possible Landslide Debris Accumulation Zone
These are areas where landslide debris could accumulate.

Recent landslide deposit

Old landslide deposit

Old Escarpment

Recent Escarpment

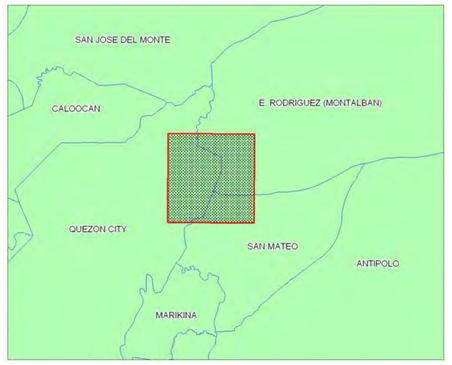
Fault

River

Roads

Base Map :
1:10, 000 Topographic Map
"Montalban Quadrangle"

Index Map



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MINES AND GEOSCIENCES BUREAU
LANDS GEOLOGICAL SURVEY DIVISION

READY CSCAND UNDP OCD NDCC NAMRIA PAGASA PHIVOLCS

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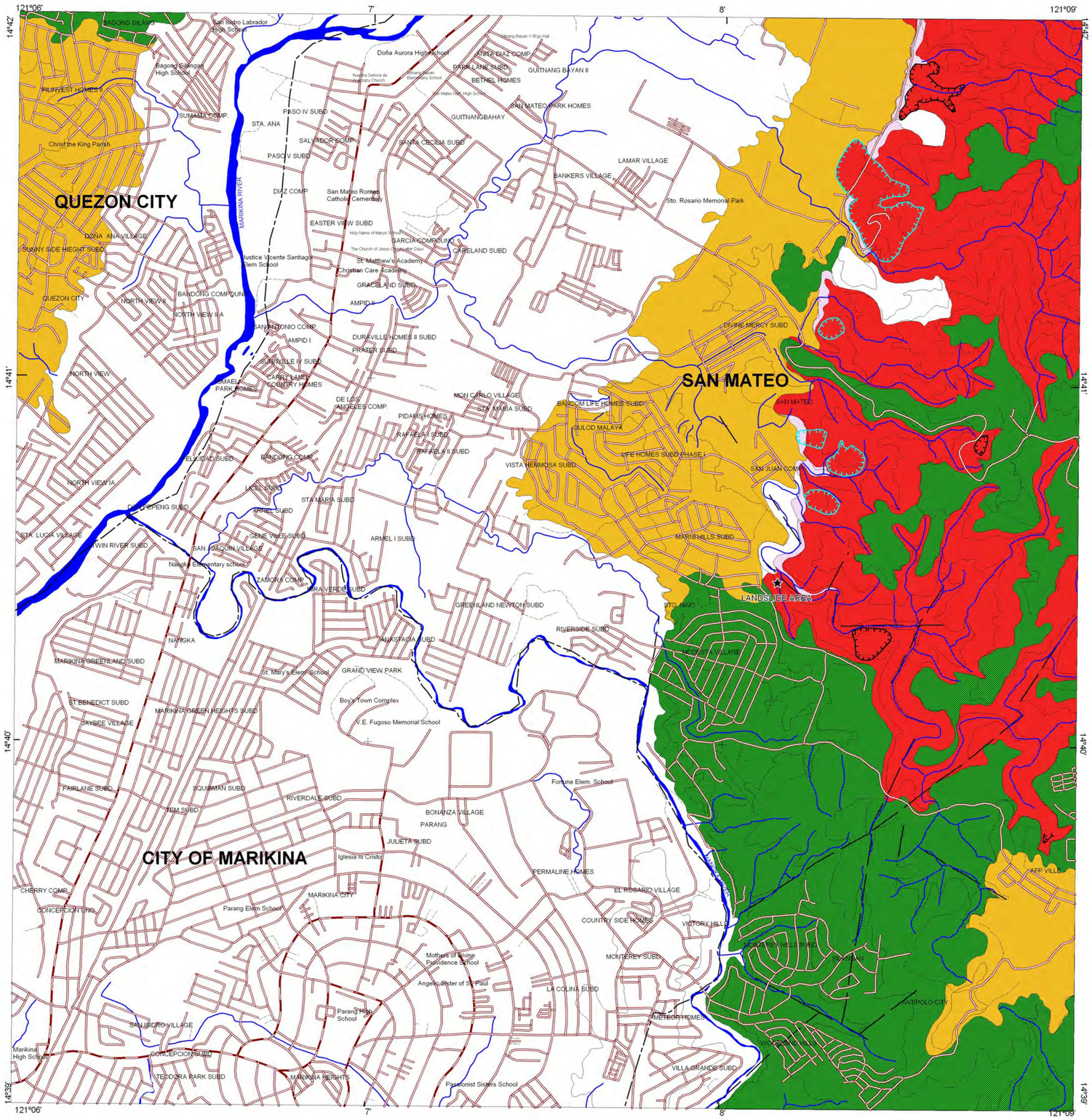
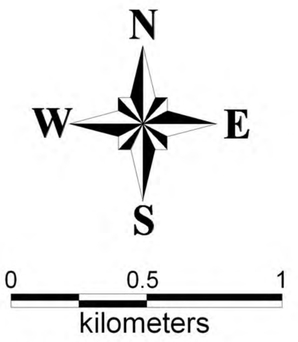
DETAILED LANDSLIDE HAZARD MAP OF SAN MATEO, RIZAL PROVINCE, PHILIPPINES





UTM Zone 51 Clarke 1866 Luzon Datum

MAPPING SCALE 1 : 10,000

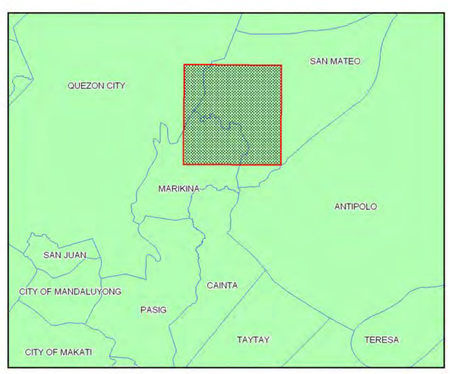
LEGEND :

- **High Landslide Susceptibility**
  Unstable areas. Highly susceptible to mass movements.
- **Moderate Landslide Susceptibility**
  Stable areas with occasional and localized mass movement.
- **Low Landslide Susceptibility**
  Stable areas with no identified landslide scars, either inactive or active.
- **Possible Landslide Debris Accumulation Zone**
  These are areas where landslide debris could accumulate.
- ★ Landslide area
- Active landslide
- Old landslide
- Fault
- River
- Roads

Base Map :

1:10, 000 Topographic Map
"San Mateo Quadrangle"

Index Map



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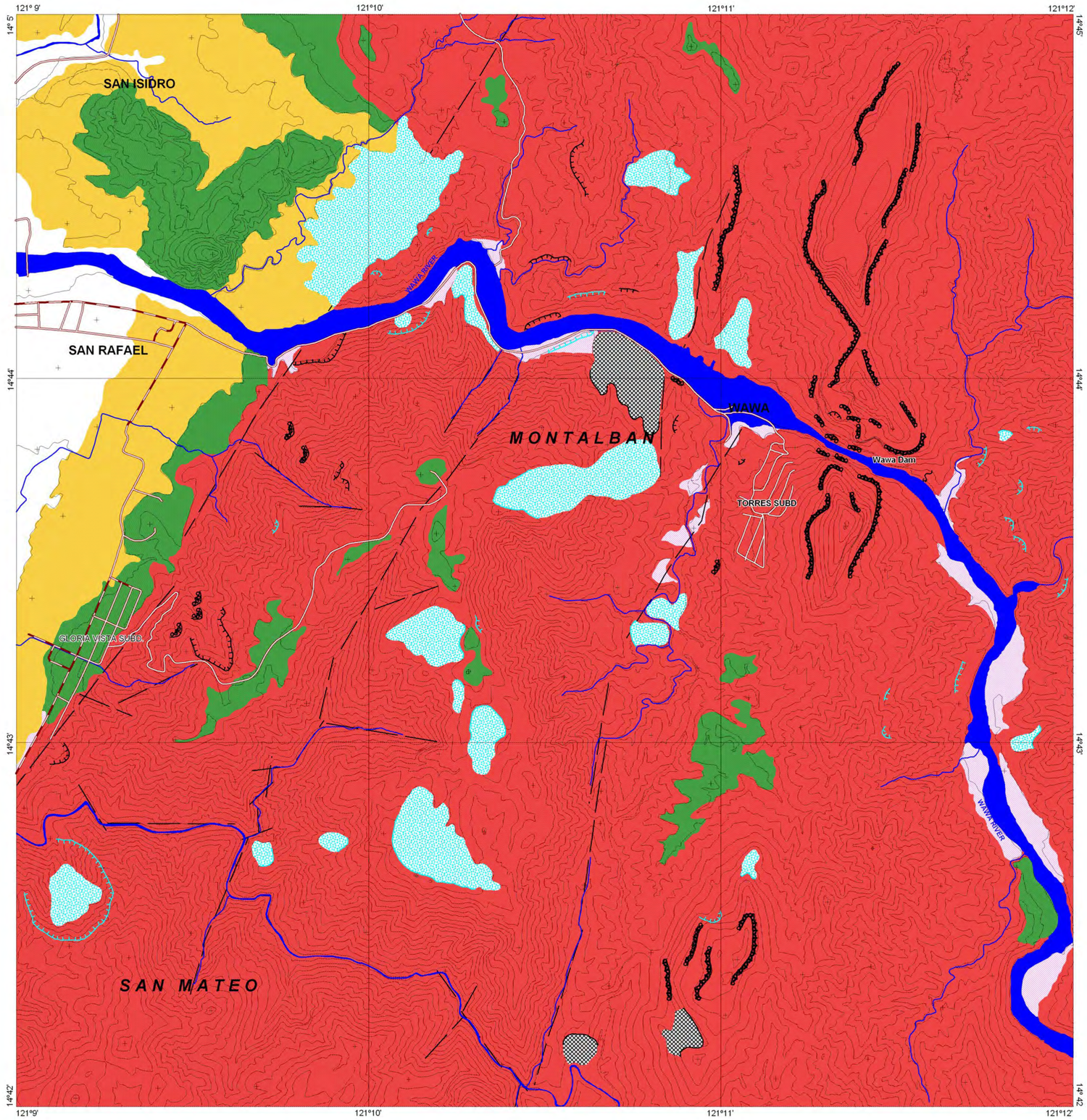
DETAILED LANDSLIDE HAZARD MAP OF SAN RAFAEL, RIZAL PROVINCE, PHILIPPINES



N

W E

S

0 0.5 1

kilometers

UTM Zone 51 Clarke 1866 Luzon Datum

MAPPING SCALE 1 : 10,000

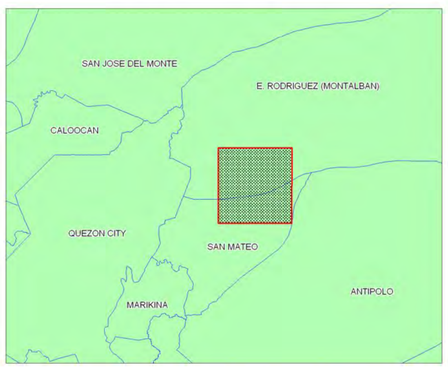
LEGEND :

- **High Landslide Susceptibility**
  Unstable areas. Highly susceptible to mass movements.
- **Moderate Landslide Susceptibility**
  Stable areas with occasional and localized mass movement.
- **Low Landslide Susceptibility**
  Stable areas with no identified landslide scars, either inactive or active.
- **Possible Landslide Debris Accumulation Zone**
  These are areas where landslide debris could accumulate
- Areas susceptible to rockfall
- Recent landslide deposit
- Old landslide deposit
- Active landslide
- Old landslide
- Soil Creep
- Fault
- River
- Roads

Base Map :

1:10, 000 Topographic Map
"San Rafael Quadrangle"

Index Map



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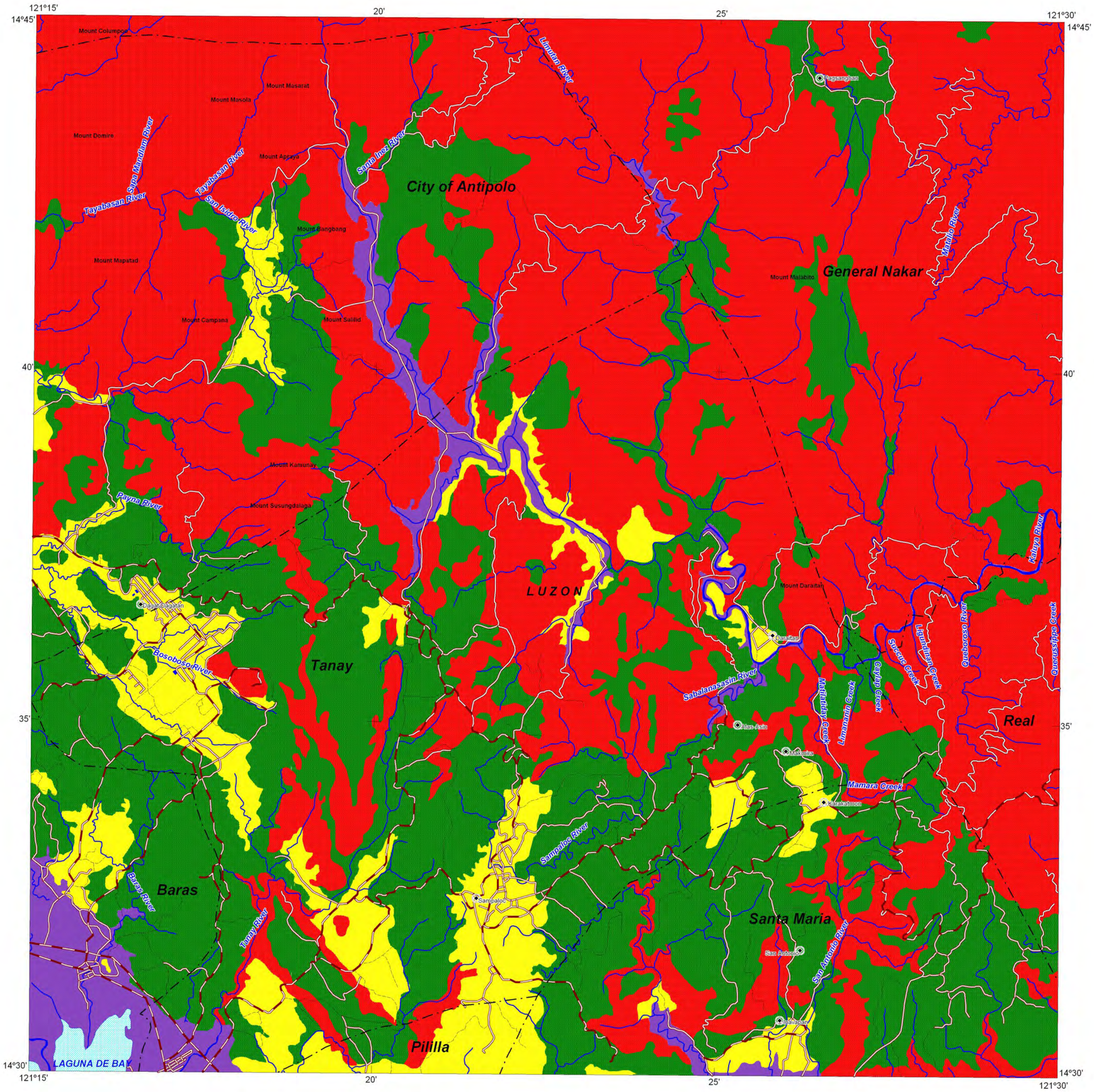
LANDSLIDE AND FLOOD SUSCEPTIBILITY MAP OF BARAS QUADRANGLE
RIZAL PROVINCE, PHILIPPINES



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.

High susceptibility to flooding

Areas with greater than 1 meter flood height. These areas are usually flooded for several hours during heavy rains; include landforms of topographic lows such as active river channels, abandoned river channels and areas along river banks; also prone to flashfloods.

Roads

River

Municipal boundary

Barangay center location

N
W E
S

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 IV-A

Base Map :
Sheet No. 7272 II "Baras Quadrangle"

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