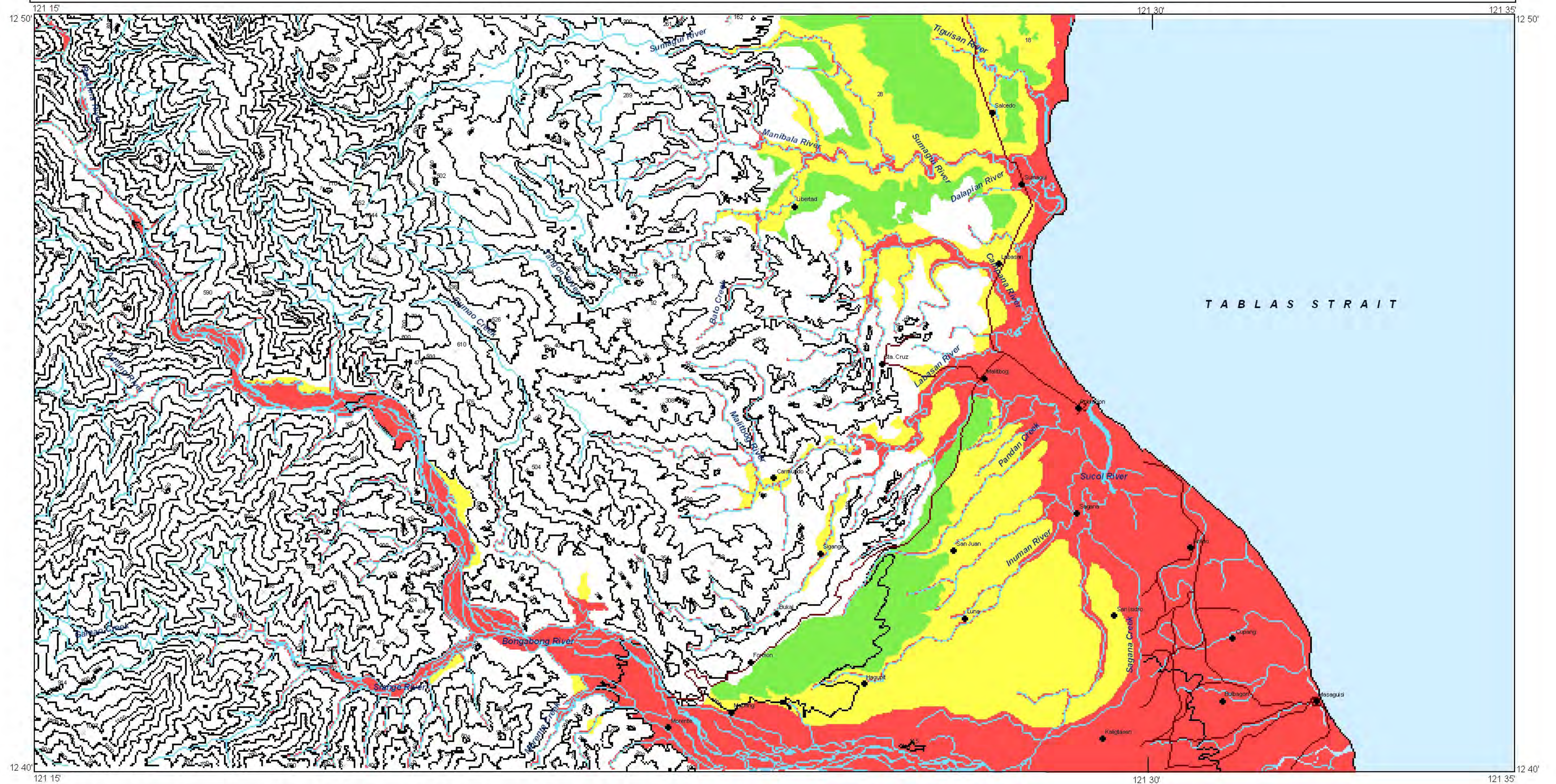
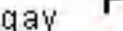


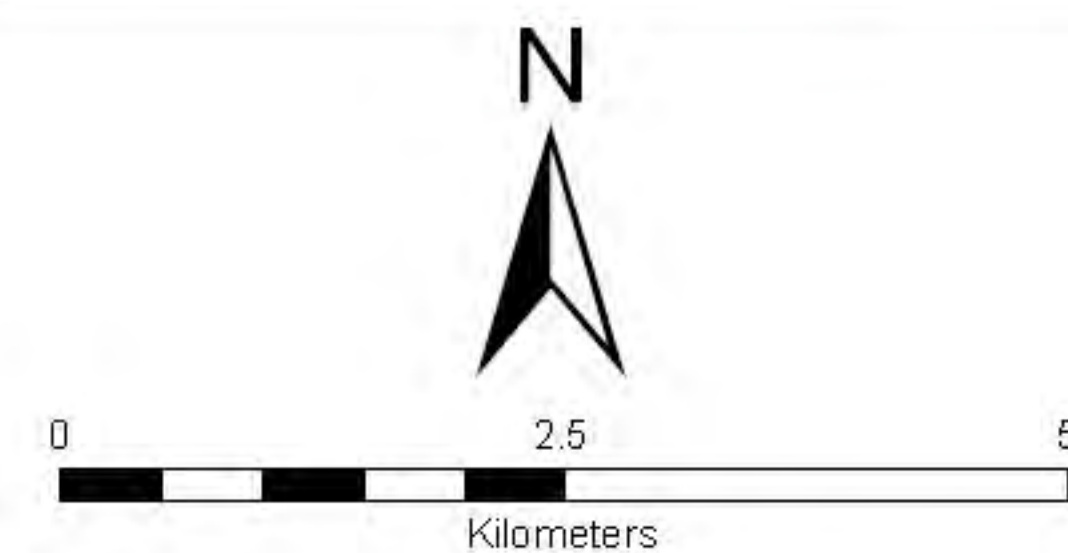
FLOOD SUSCEPTIBILITY MAP OF BONGABONG AND MASAGUISI QUADRANGLE



LEGEND

- Flood Susceptibility Zonation**
- | | | | |
|---|------------------------|---|--------|
|  | Municipality, Barangay |  | High |
|  | Spot elevation |  | Medium |
|  | River |  | Low |
|  | Road |  | None |
|  | Contour | | |

CONTOUR INTERVAL : 100 METERS



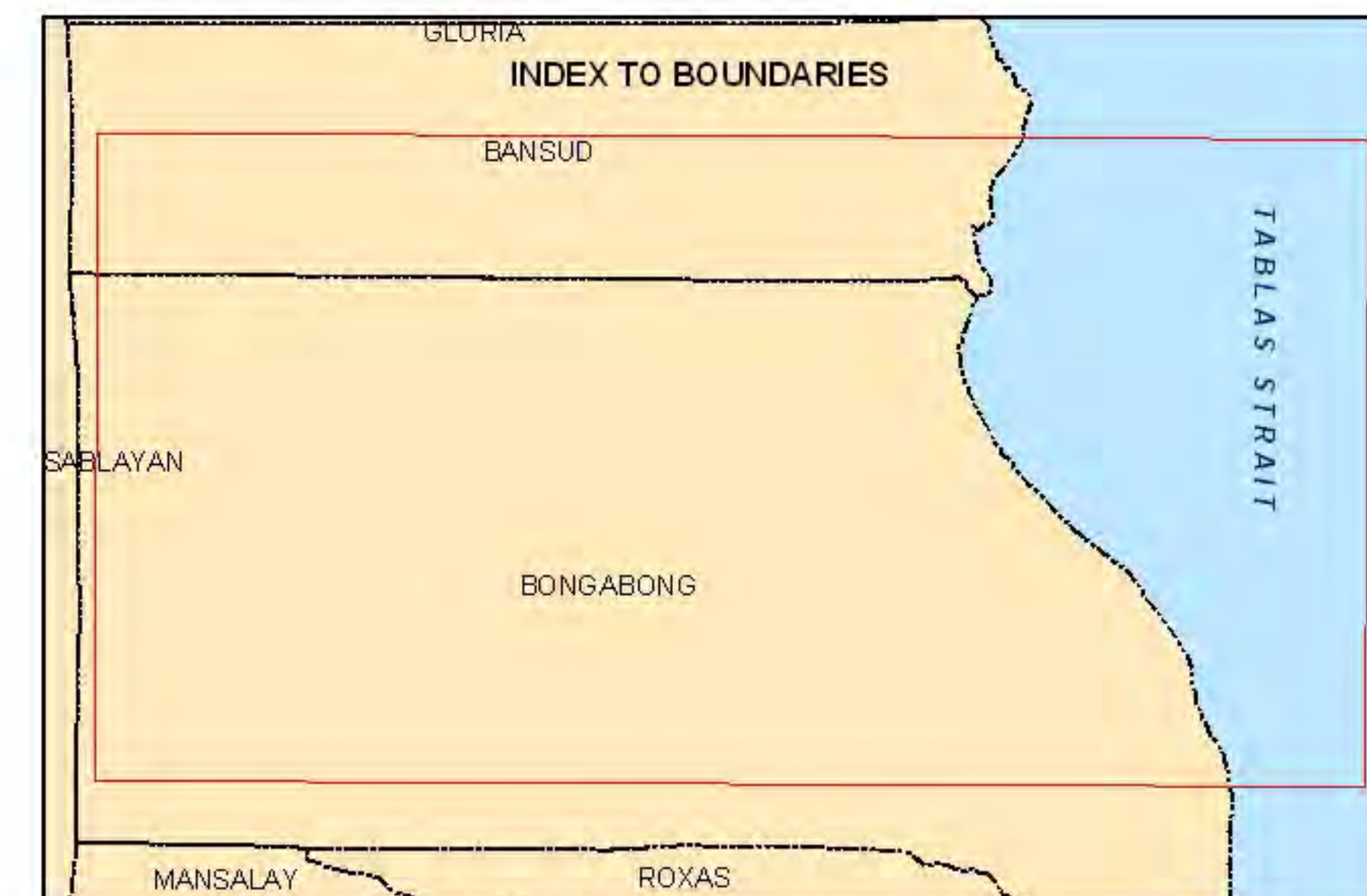
Topographic Map Source:
Bongabong Sheet 3258 II and Masaguisi Sheet 3358 III
(NAMRIA)

Universal Transverse Mercator Projection - Luzon Datum

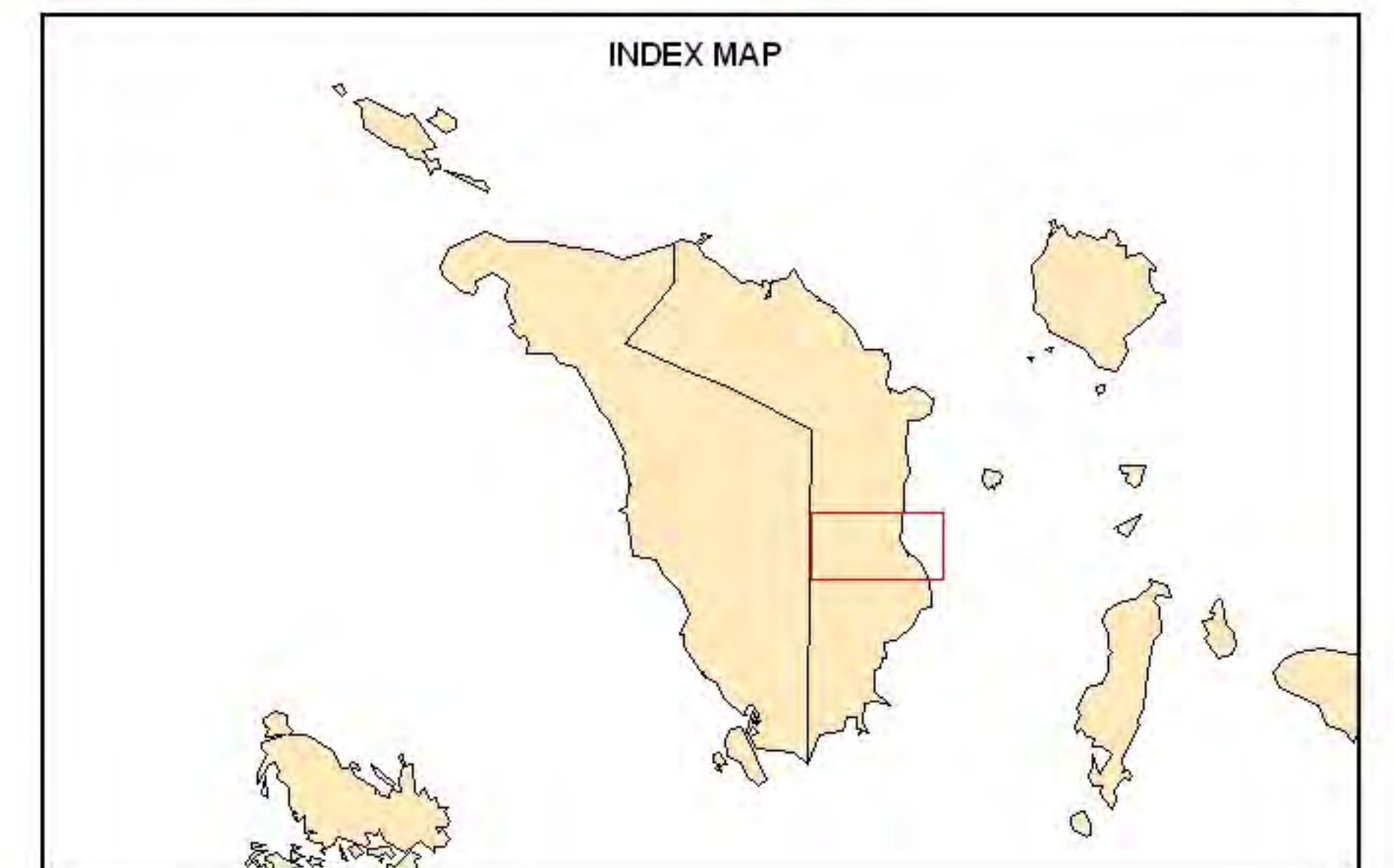
Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Blvd., Ermita, Manila



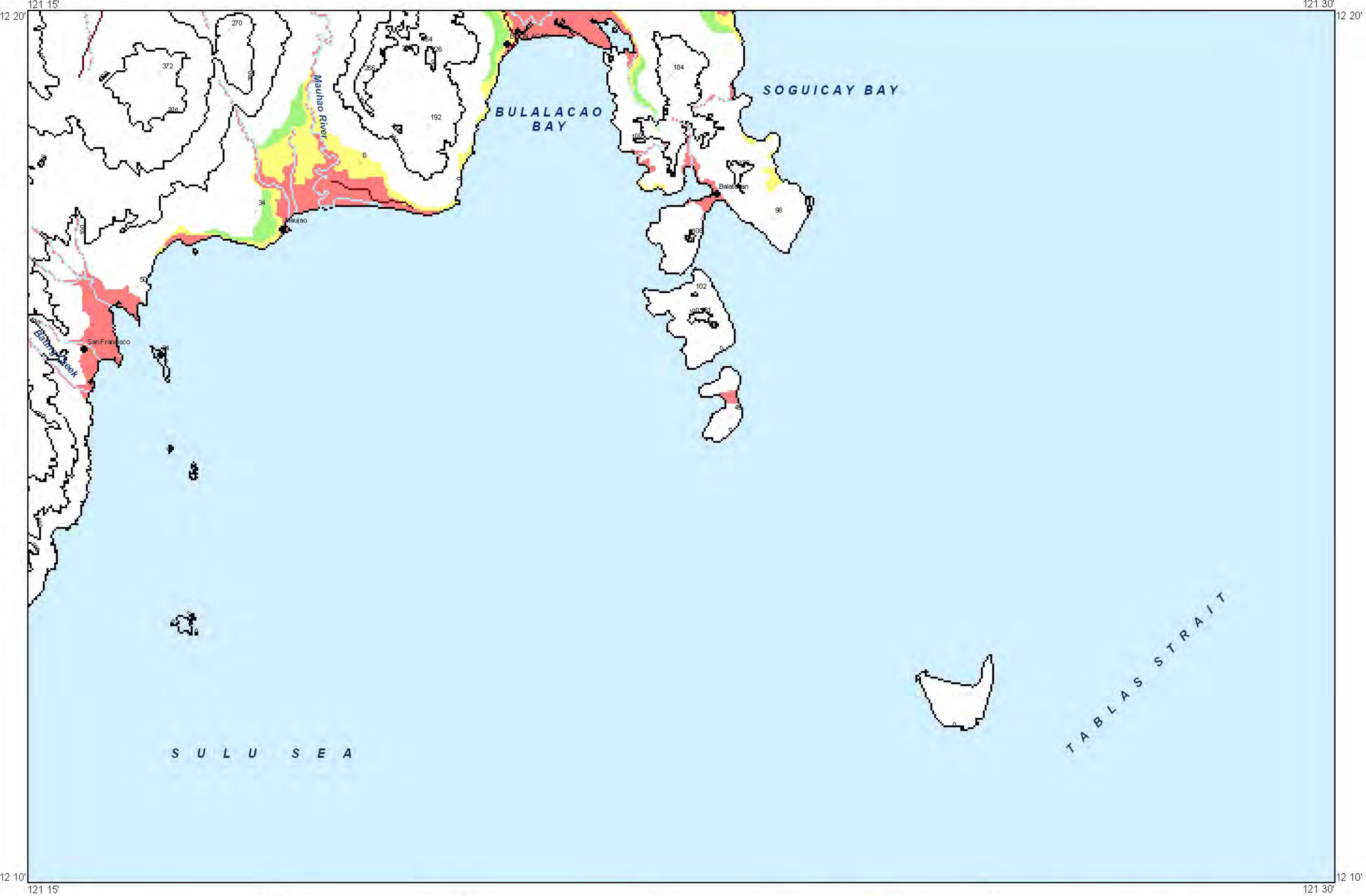
INDEX TO BOUNDARIES



INDEX MAP



FLOOD SUSCEPTIBILITY MAP OF BULALACAO QUADRANGLE



LEGEND

- Municipality, Barangay
- × Spot elevation
- River
- Road
- Contour

Flood Susceptibility Zonation

- High
- Moderate
- Low

CONTOUR INTERVAL : 100 METERS

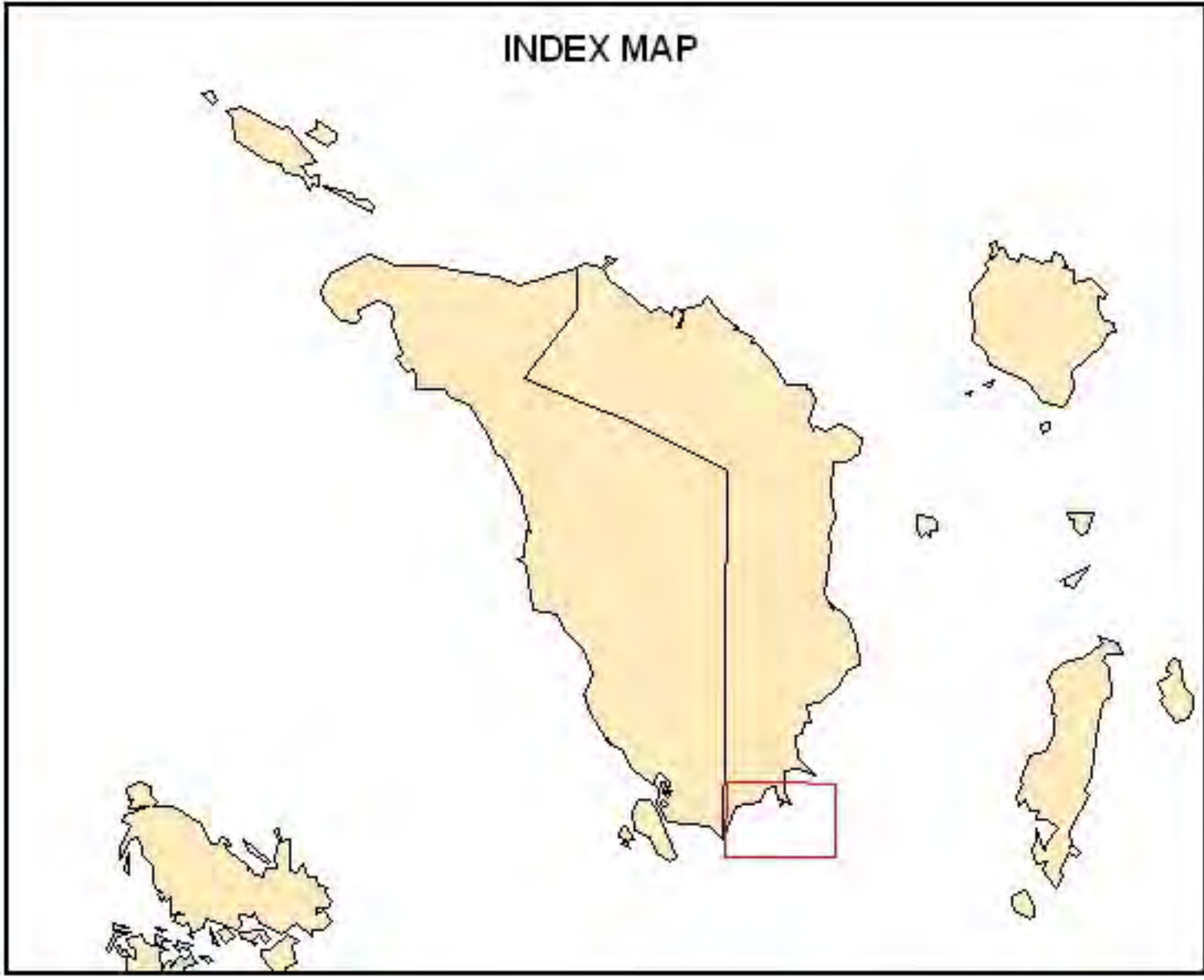
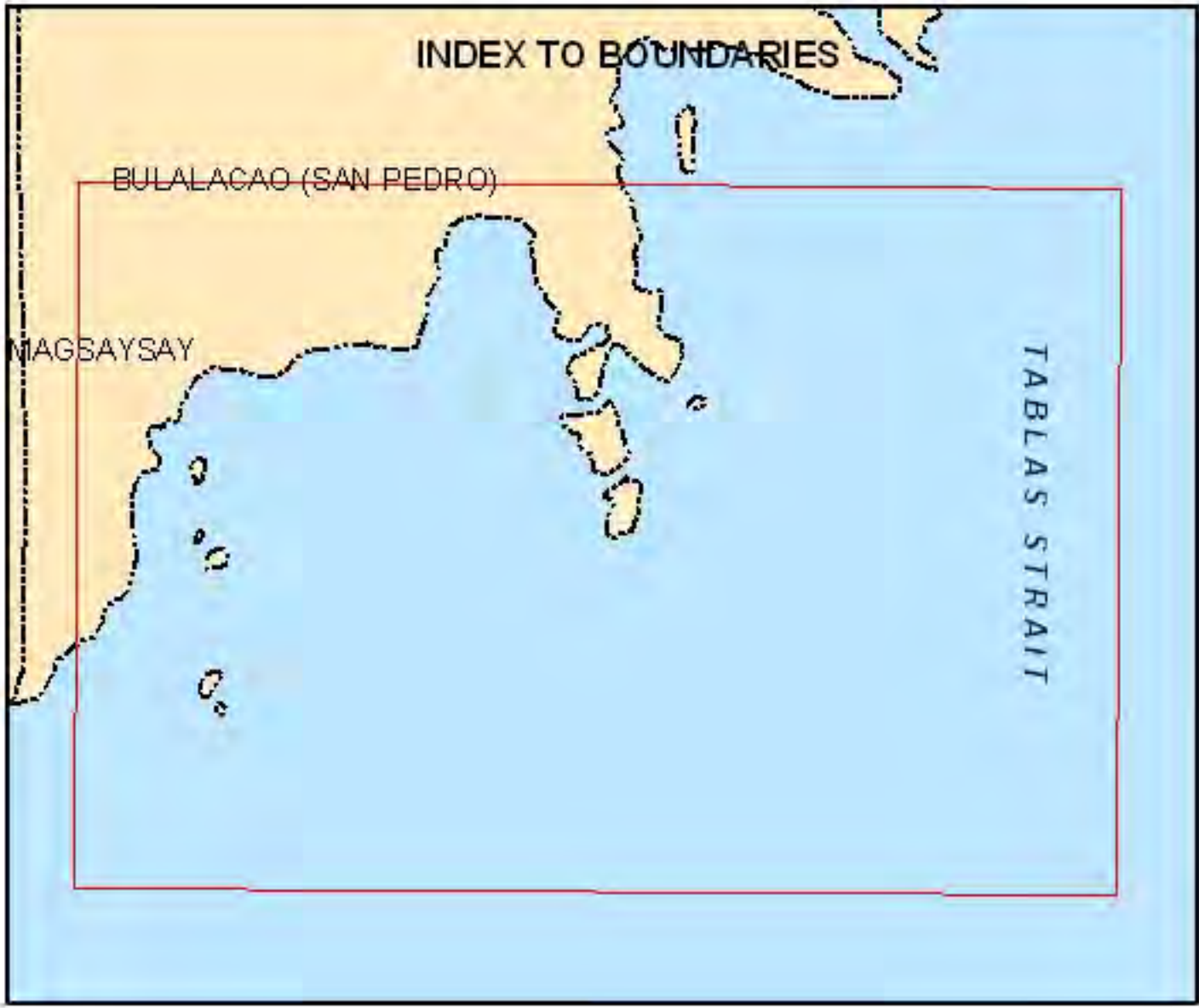
Scale and Orientation

0 2.5 5
Kilometers

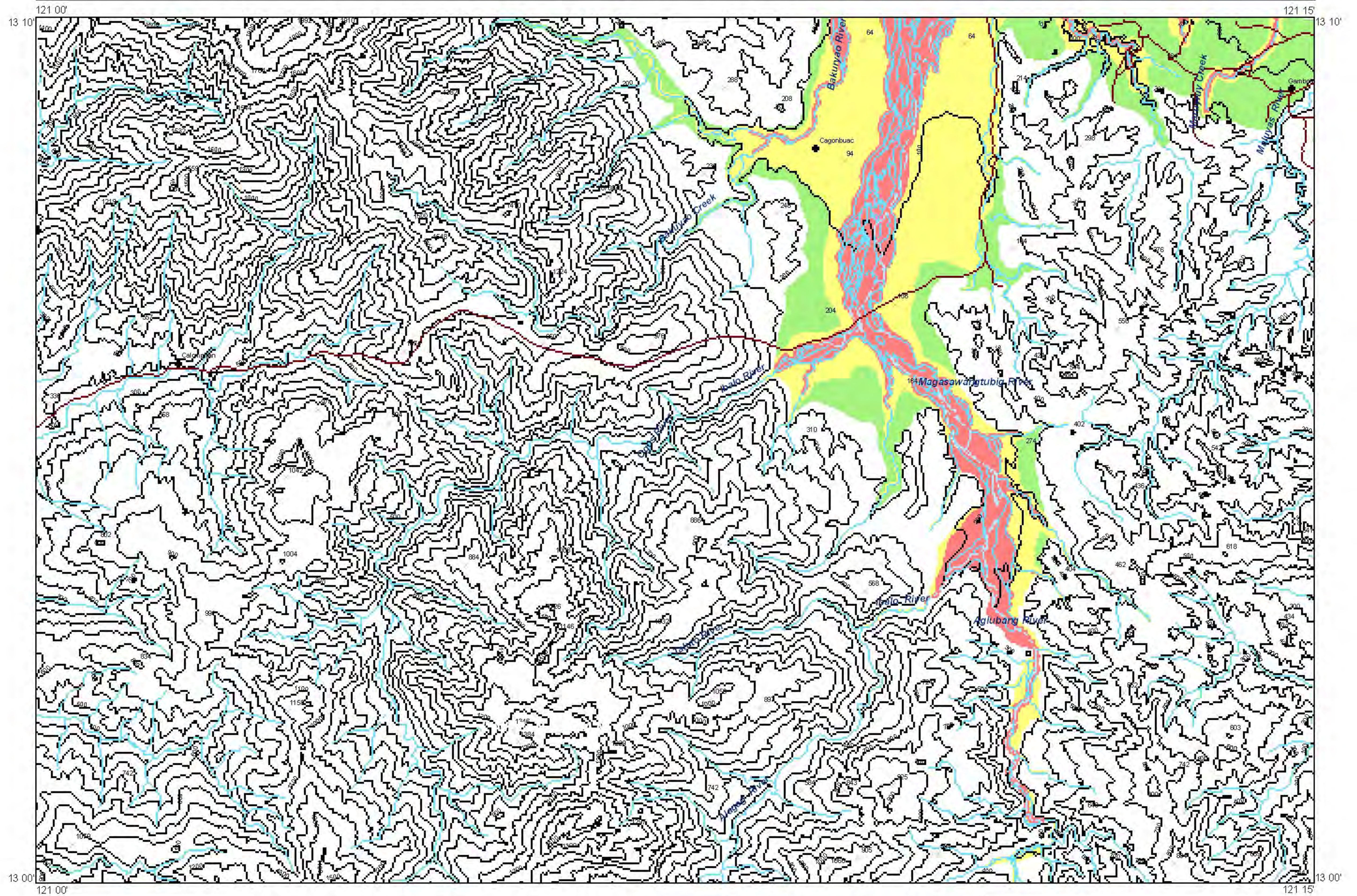
Topographic Map Source:
Bulalacao Sheet 3256 I (NAMRIA)

Geographic Coordinate System - Luzon 1911 Datum

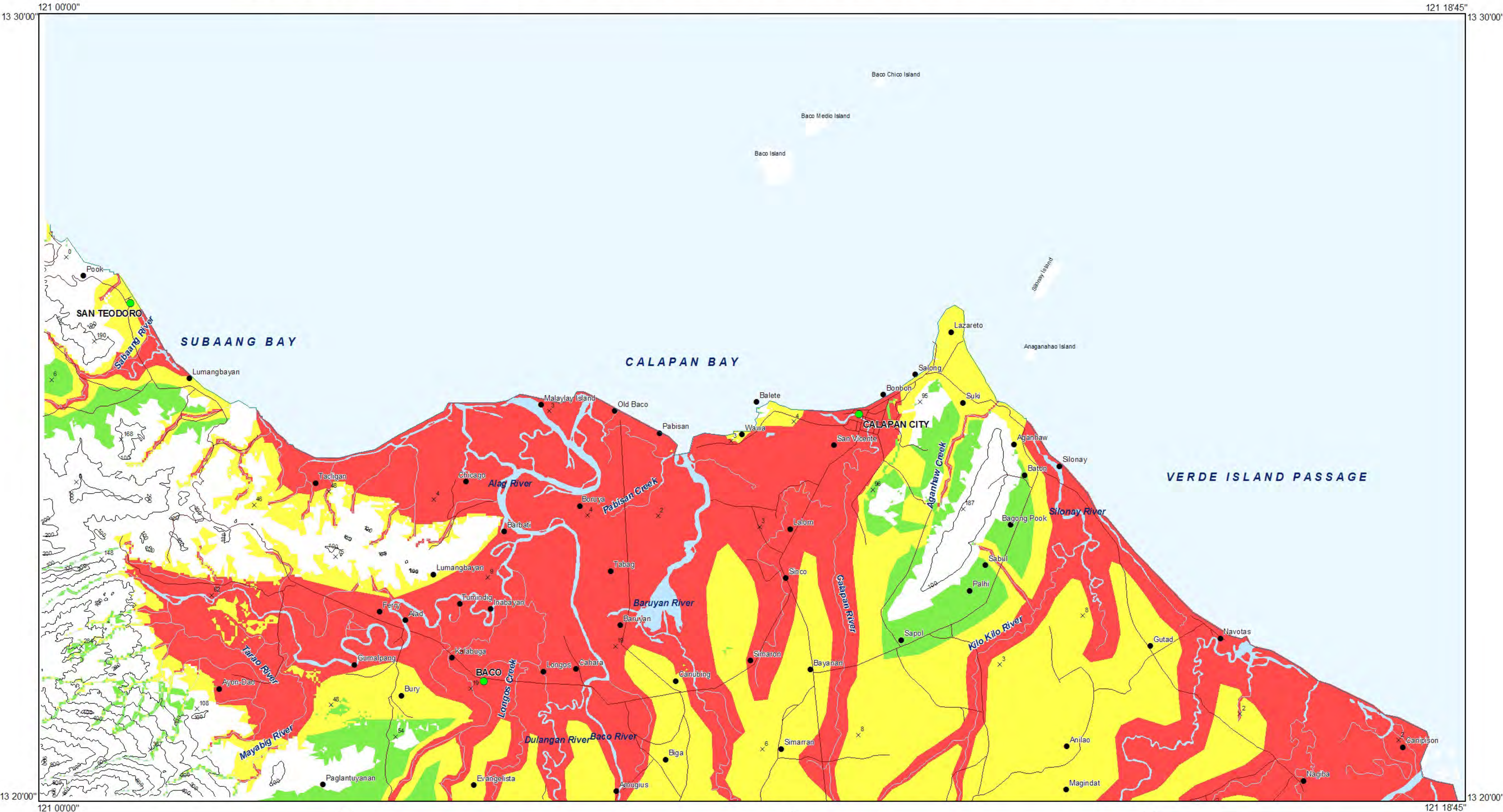
Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Blvd., Ermita, Manila



FLOOD SUSCEPTIBILITY MAP OF CAGONBUAC QUADRANGLE



FLOOD SUSCEPTIBILITY MAP OF CALAPAN AND NAGIBA QUADRANGLE



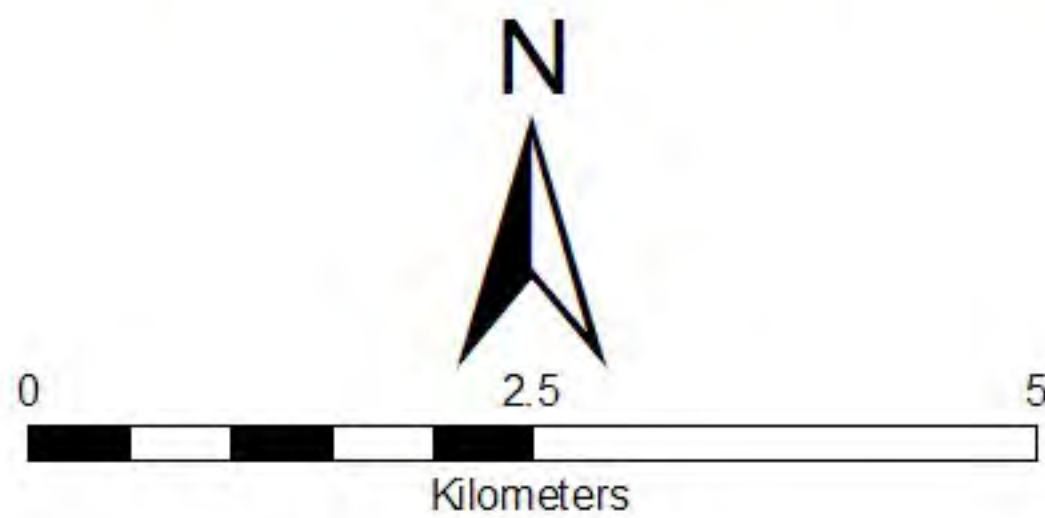
LEGEND

- Municipality
- Barangays
- x Spot elevation
- River
- Road
- Contour

Flood Susceptibility Zonation

- High
- Moderate
- Low to None

CONTOUR INTERVAL : 100 METERS

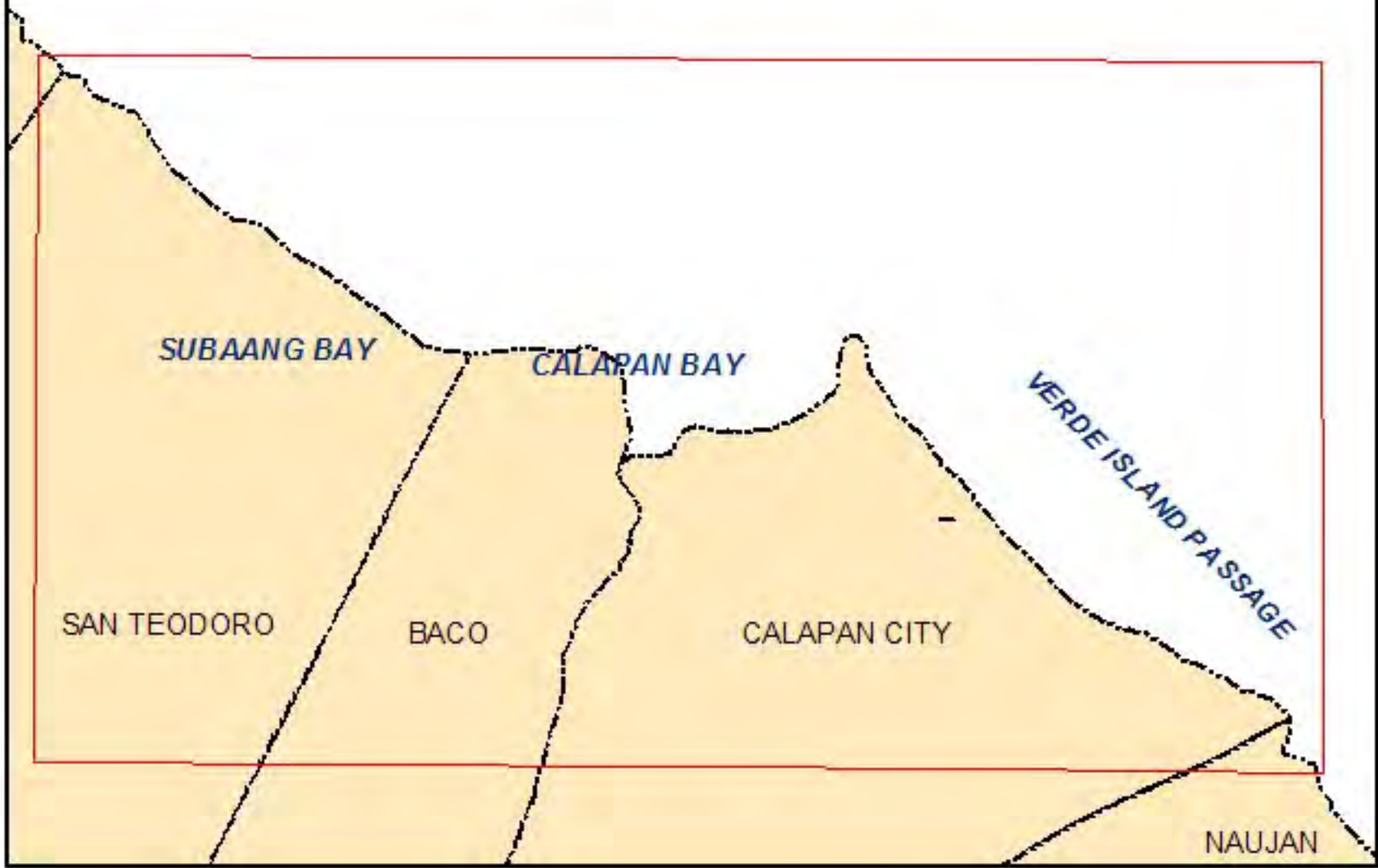


Topographic Map Source:
Calapan Sheet 3260 III and Nagiba Sheet 3260 II (NAMRIA)
Geographic Coordinate System - Luzon 1911 Datum

Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Bld., Ermita, Manila



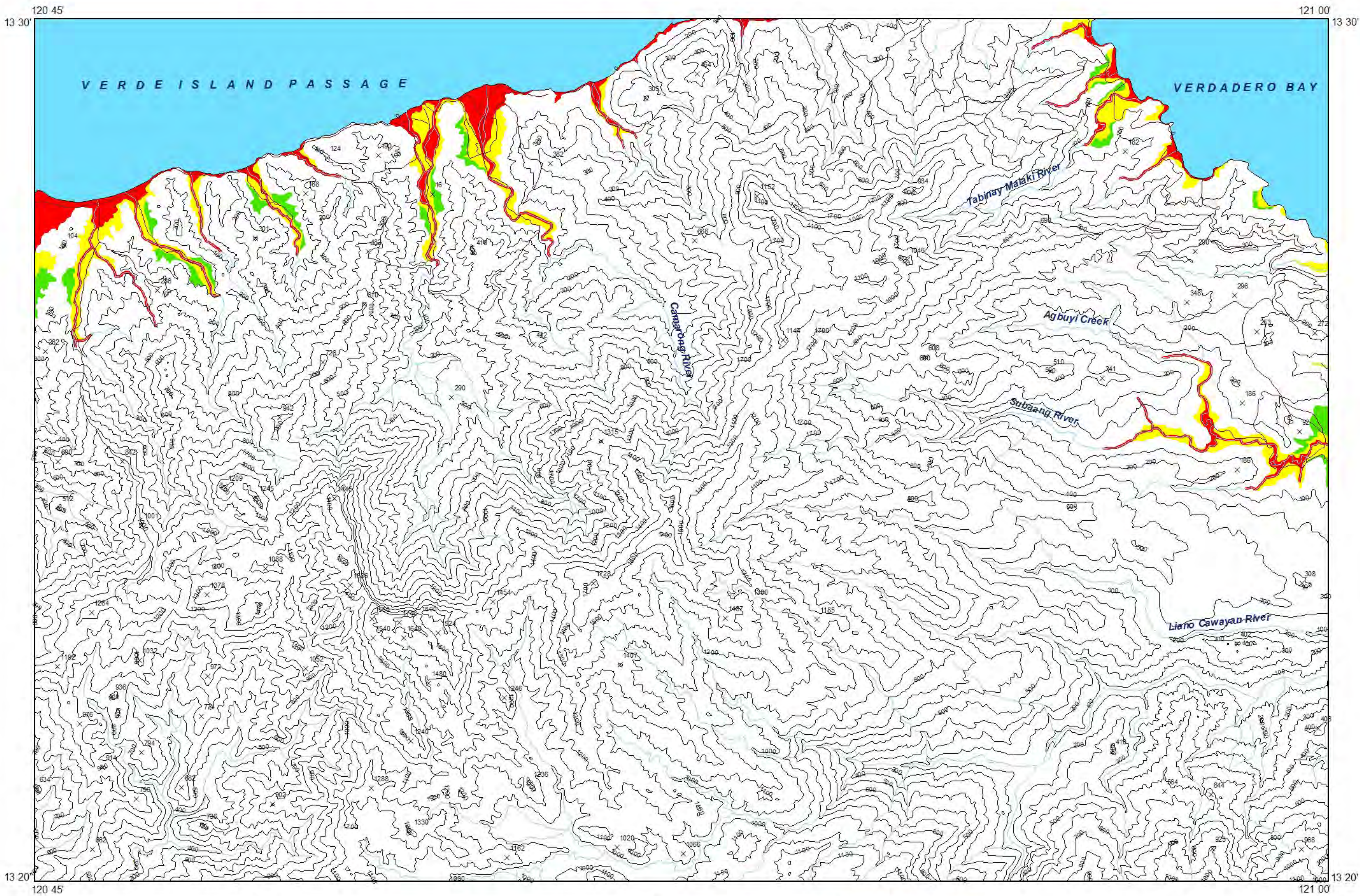
INDEX TO BOUNDARIES



INDEX MAP



FLOOD SUSCEPTIBILITY MAP OF DULANGAN QUADRANGLE



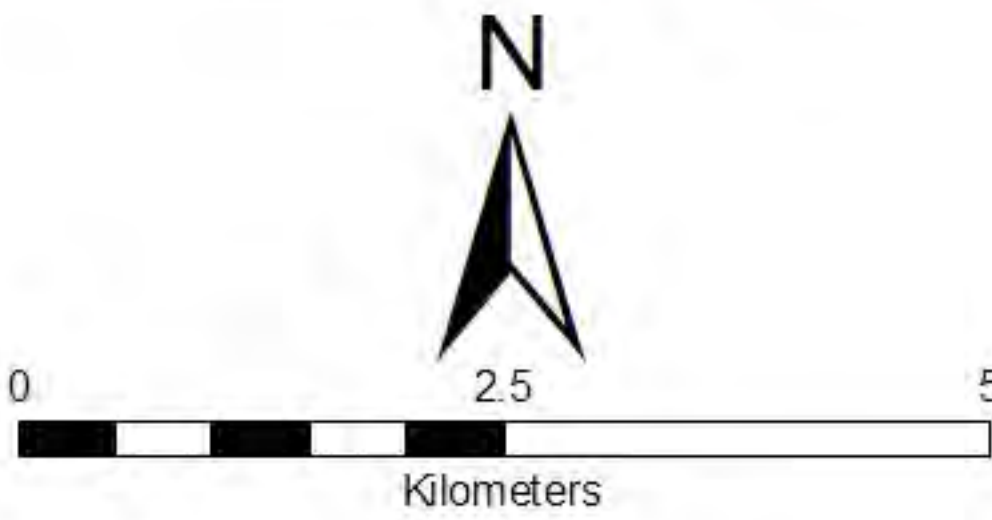
LEGEND

- Barangay
- Spot elevation
- River
- Road
- Contour

Flood Susceptibility Zonation

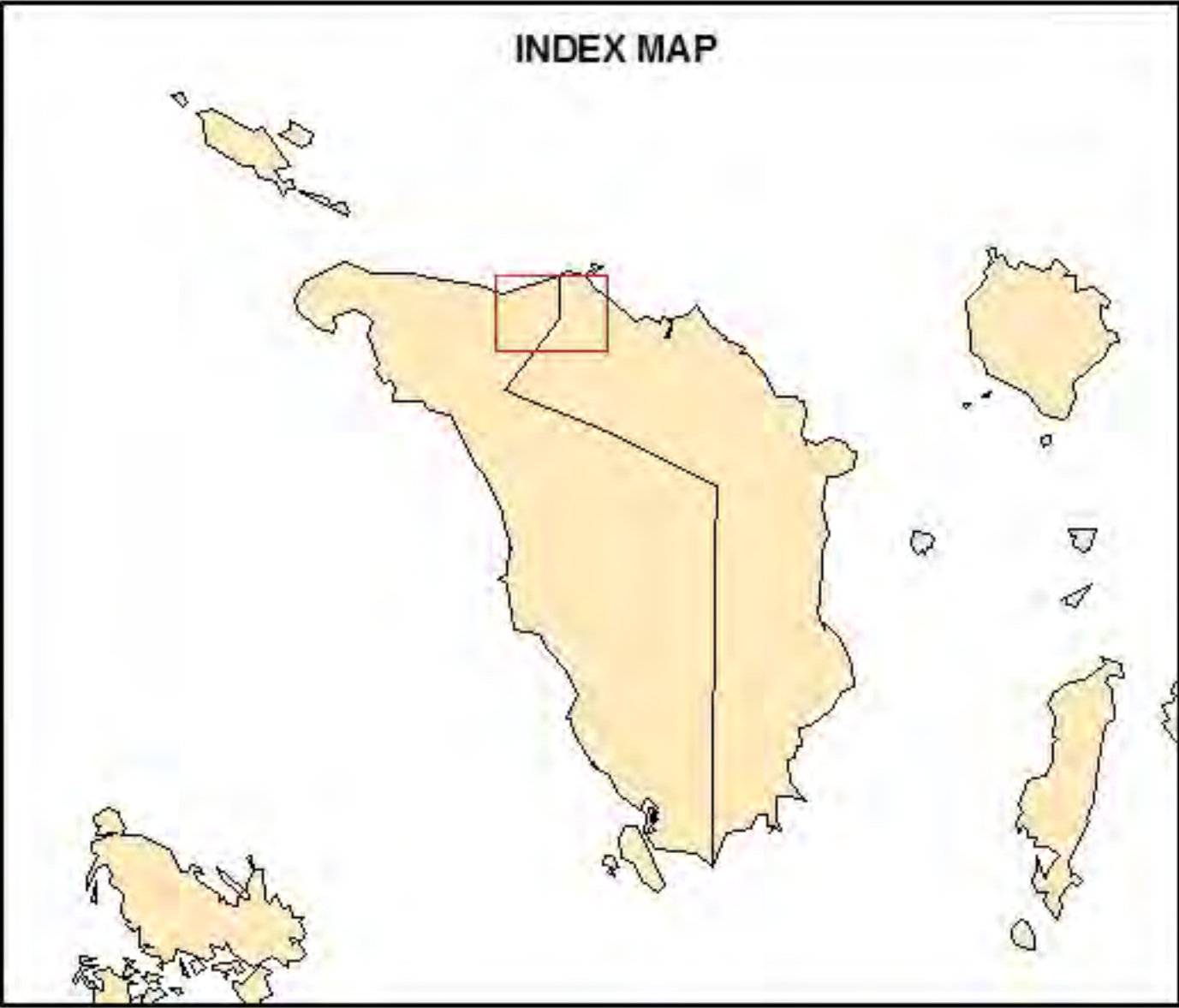
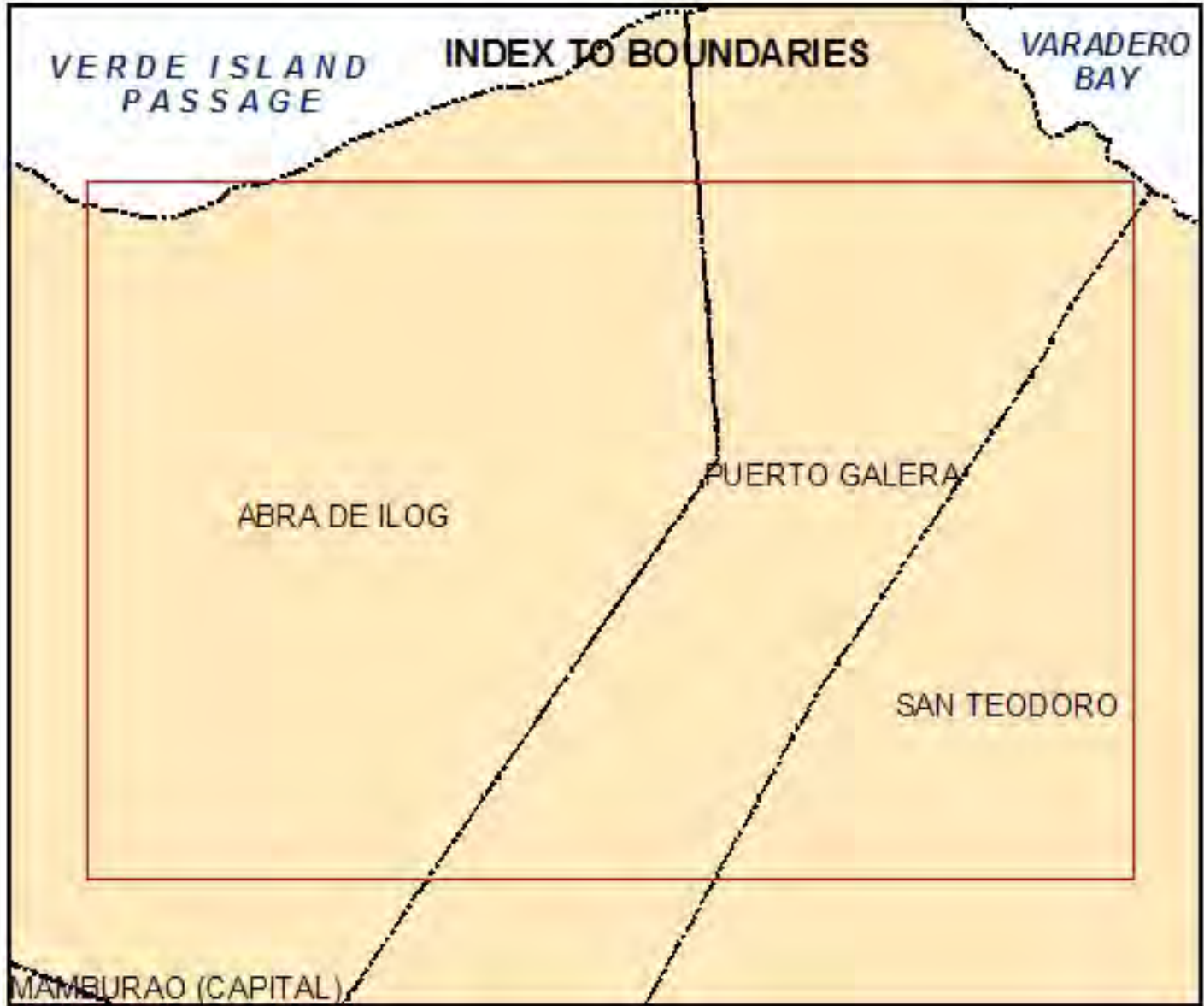
- High
- Moderate
- Low to None

CONTOUR INTERVAL - 100 METERS

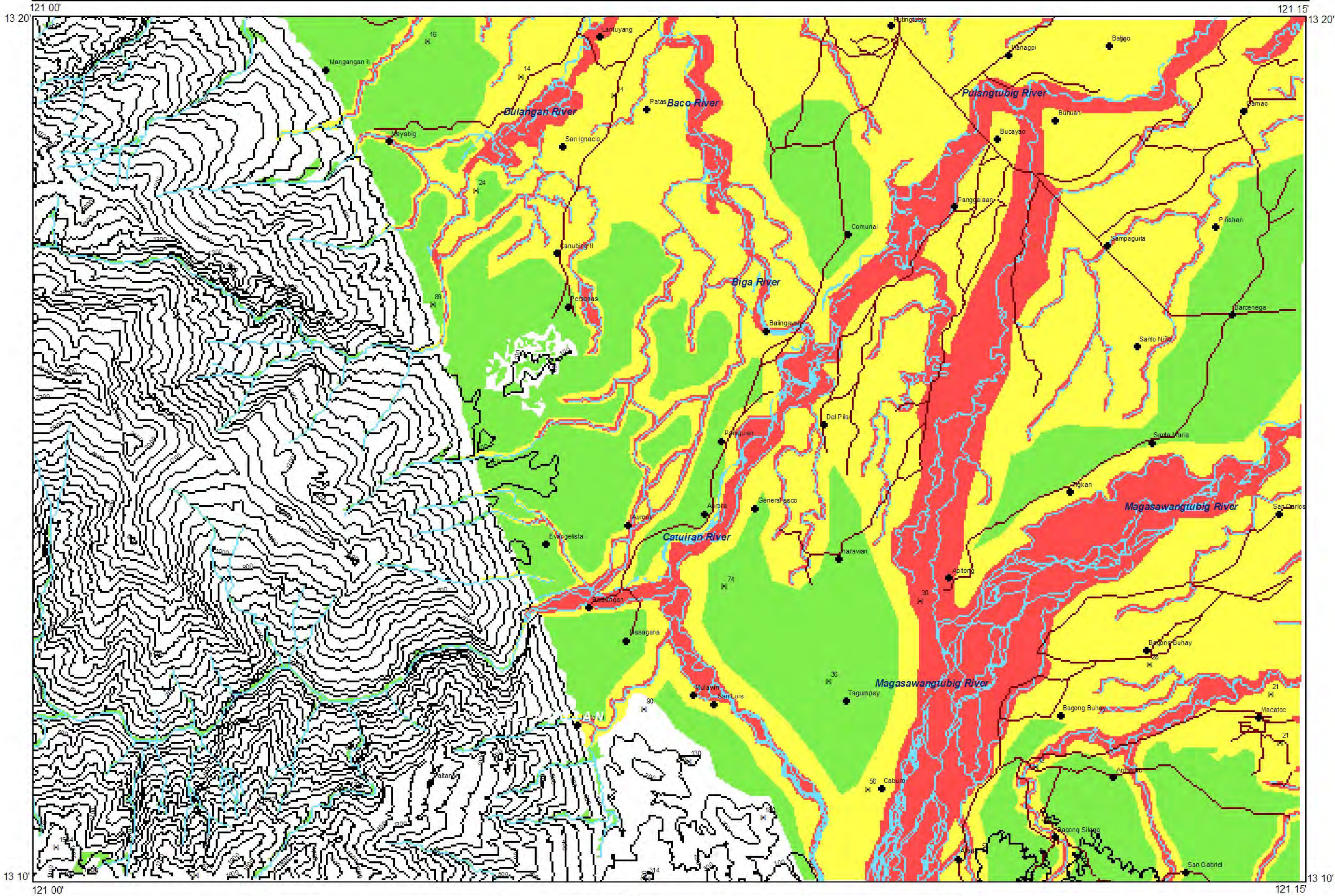


Topographic Map Source:
Dulangan Sheet 3160 II (NAMRIA)
Geographic Coordinate System - Luzon 1911 Datum

Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Blvd., Ermita, Manila



FLOOD SUSCEPTIBILITY MAP OF NEW MACATOC QUADRANGLE



LEGEND

- Municipality, Barangay
- × Spot elevation
- River
- Road
- Contour

Flood Susceptibility Zonation

- High
- Moderate
- Low to None

CONTOUR INTERVAL : 100 METERS

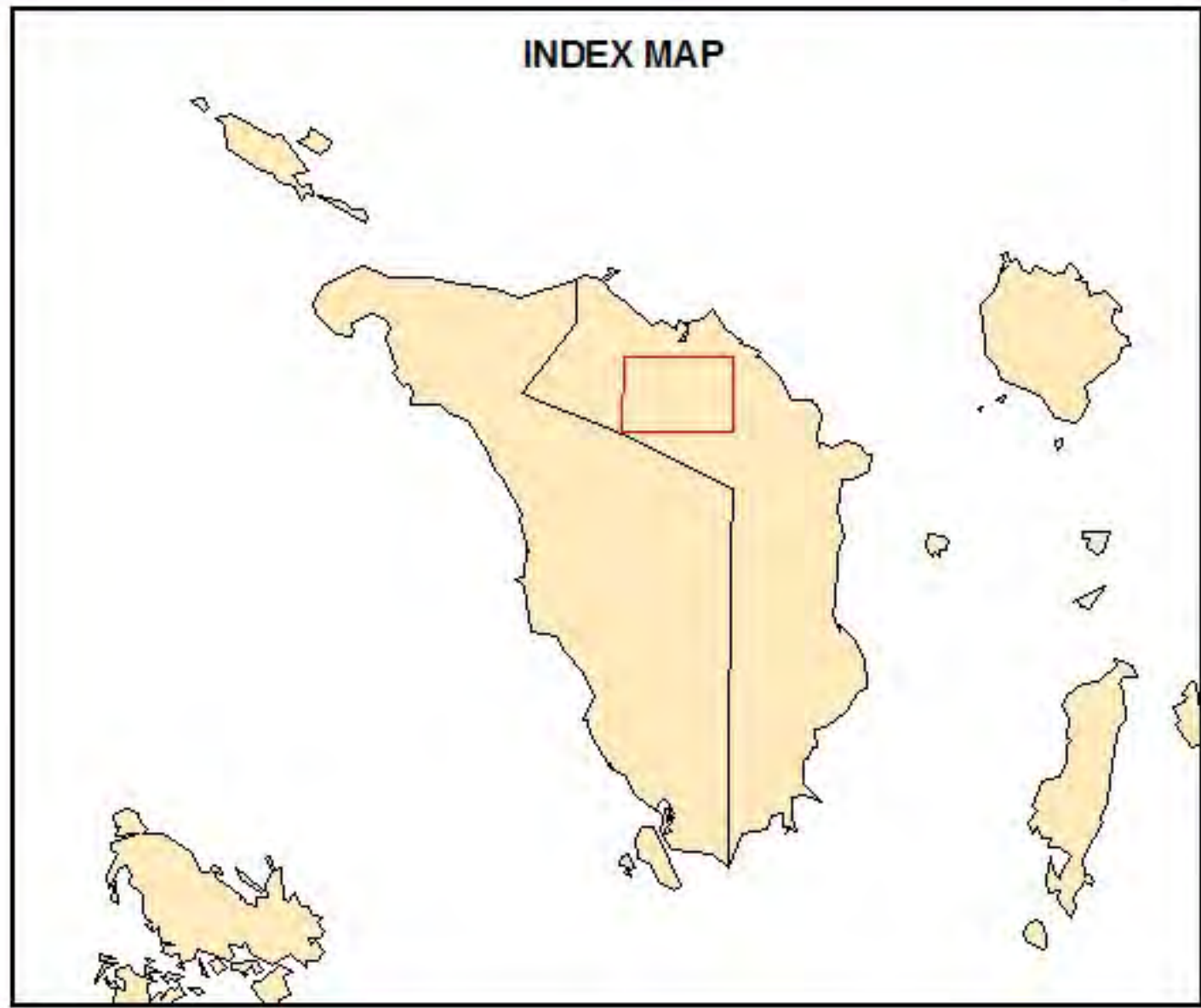
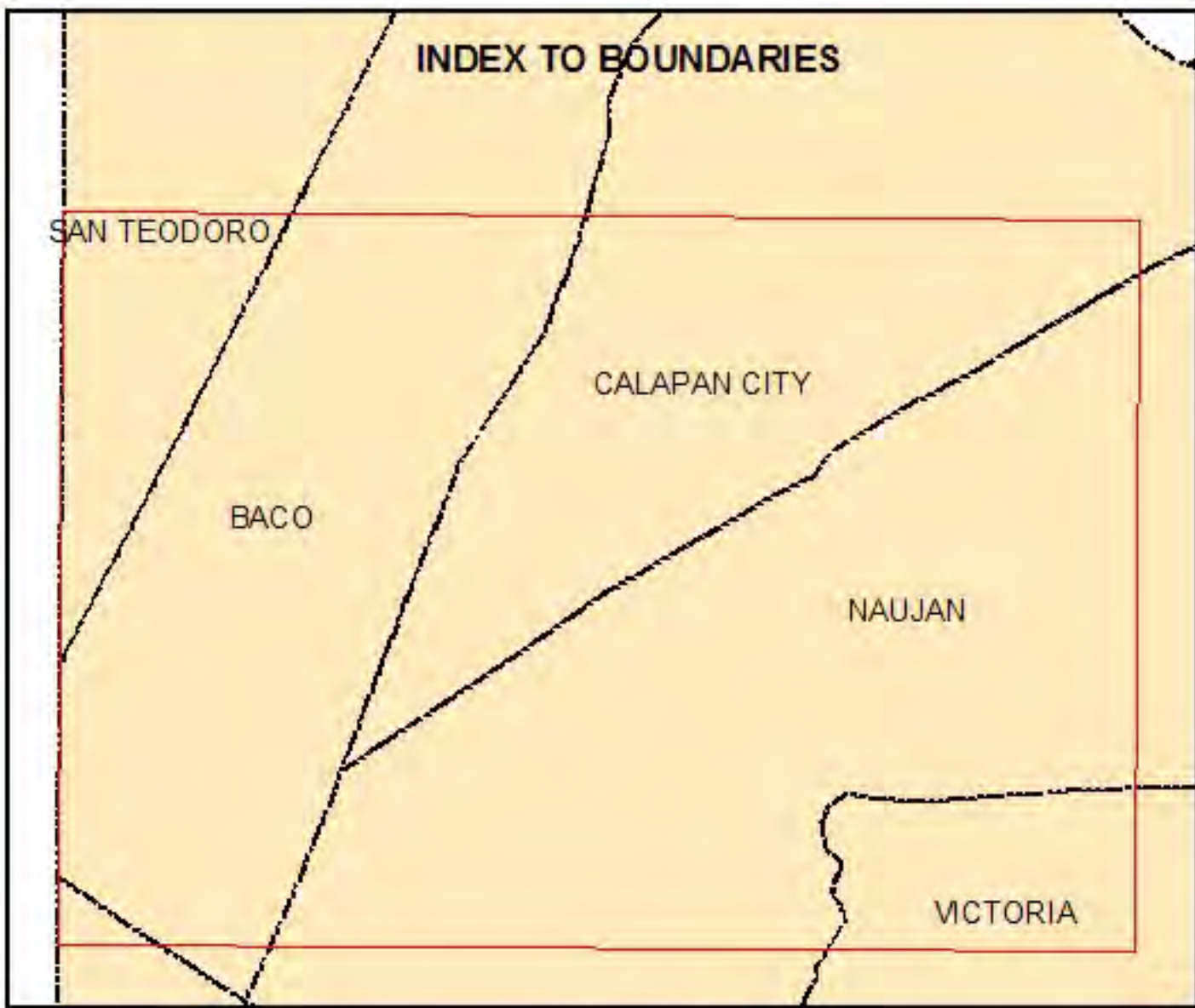
N

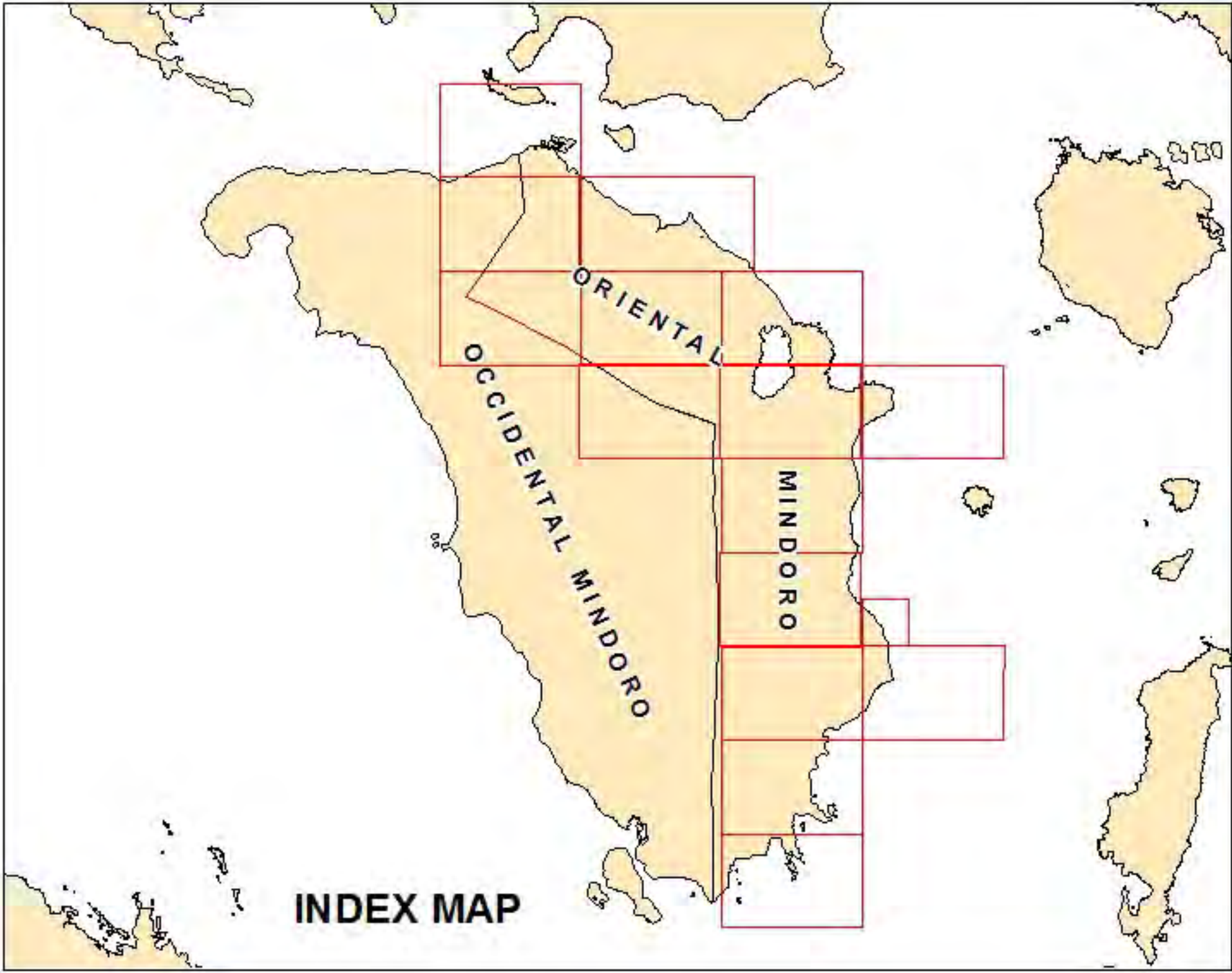
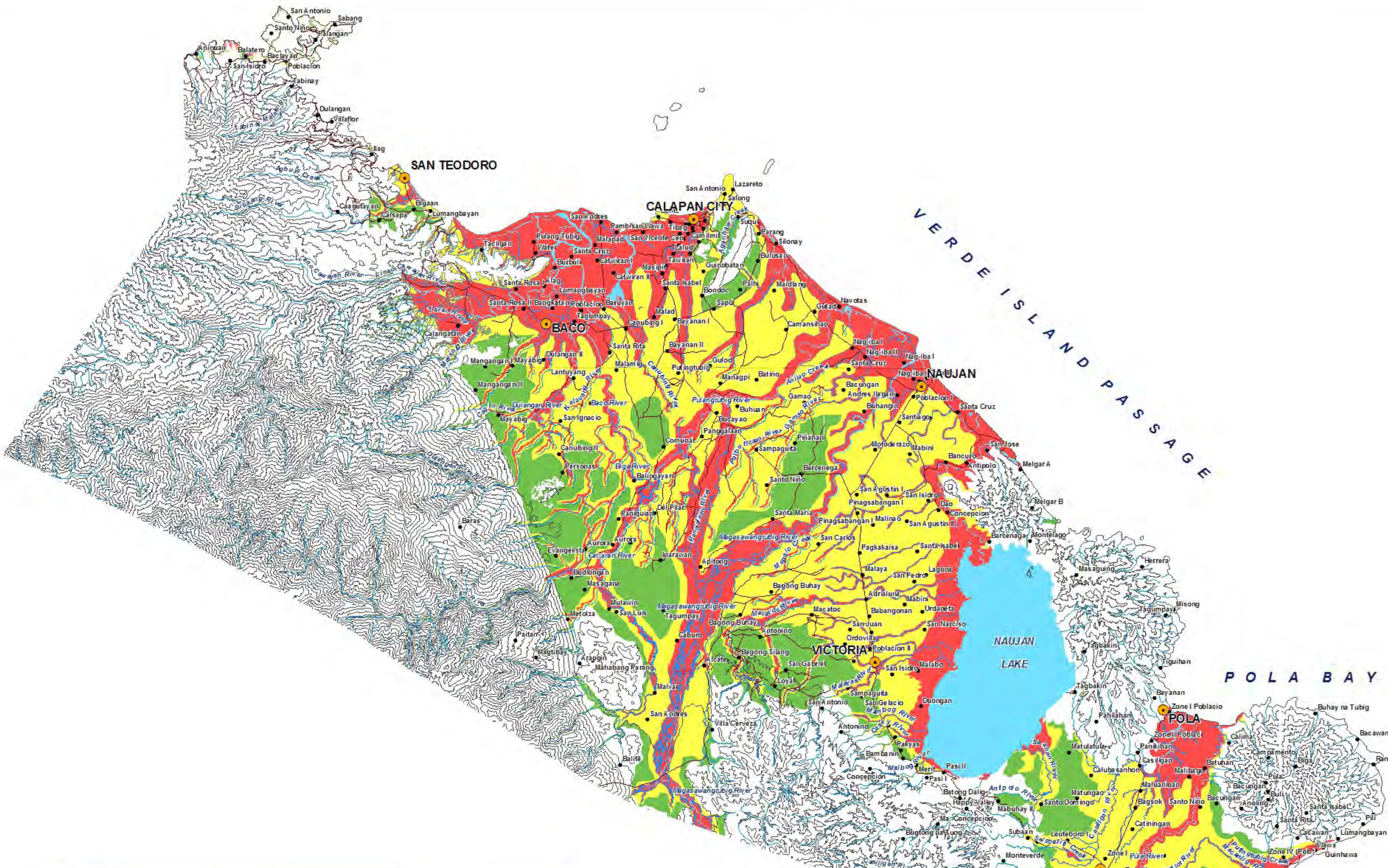
0 2.5 5
Kilometers

Topographic Map Source:
New Macatoc Sheet 3259 IV (NAMRIA)

Geographic Coordinate System - Luzon 1911 Datum

Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Blvd., Ermita, Manila





FLOOD SUSCEPTIBILITY CATEGORIES

High Susceptibility

Areas for which the combination of factors is likely to create adverse flood and inundation problems. This category includes areas along large streams with very small channel slopes and broad floodplains; landforms of topographic lows, particularly active river systems, deltas, abandoned river channels, and areas adjacent to river banks; also include portions of the river system where channels are perched due to repeated deposition of sediments; and part of the coastal areas affected by storm surge and fluctuating sea tide levels.

Moderate Susceptibility

Areas for which the combination of factors is less likely to create serious flood problems. These areas are the less-inundated portion of the floodplains, deltas river terraces, and old channels; also include the less flood-prone areas near the coast.

Low Susceptibility

Areas for which the combination of factors is unlikely to create serious flood problems; include low lying topographic landforms least affected by flood and inundation.

No Susceptibility to Flooding Hazard

NOTE:
This flood susceptibility map should not be used as a substitute for detailed geologic / geotechnical site investigation.

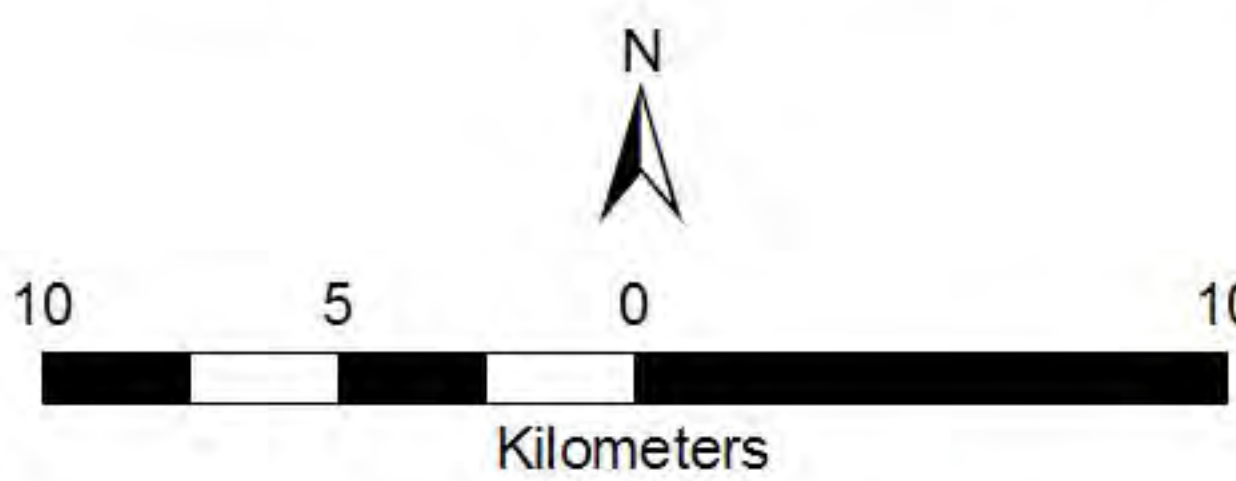
Legend

- Municipality
- Barangay
- Road
- River
- Contour

TOPOGRAPHIC MAP SOURCE

- | | |
|-------------------------------|------------------------------|
| 1. Puerto Galera Sheet 3160 I | 2. Dulangan Sheet 3160 II |
| 3. Calapan Sheet 3260 III | 4. Nagiba Sheet 3260 II |
| 5. New Macatoc Sheet 3259 IV | 6. Naujan Sheet 3259 I |
| 7. Cagonbuac Sheet 3259 III | 8. Pinamalayan Sheet 3259 II |
| 9. Mt. Dumali Sheet 3359 III | 10. Quinabigan Sheet 3258 I |
| 11. Bongabong Sheet 3258 II | 12. Masaguisi Sheet 3358 III |
| 13. Mansalay Sheet 3257 I | 14. Dangay Sheet 3357 IV |
| 15. Soguica Sheet 3257 II | 16. Bulalacao Sheet 3256 I |
| 17. Caratungan Sheet 3159 I | |

(National Mapping and Resource Information Authority)

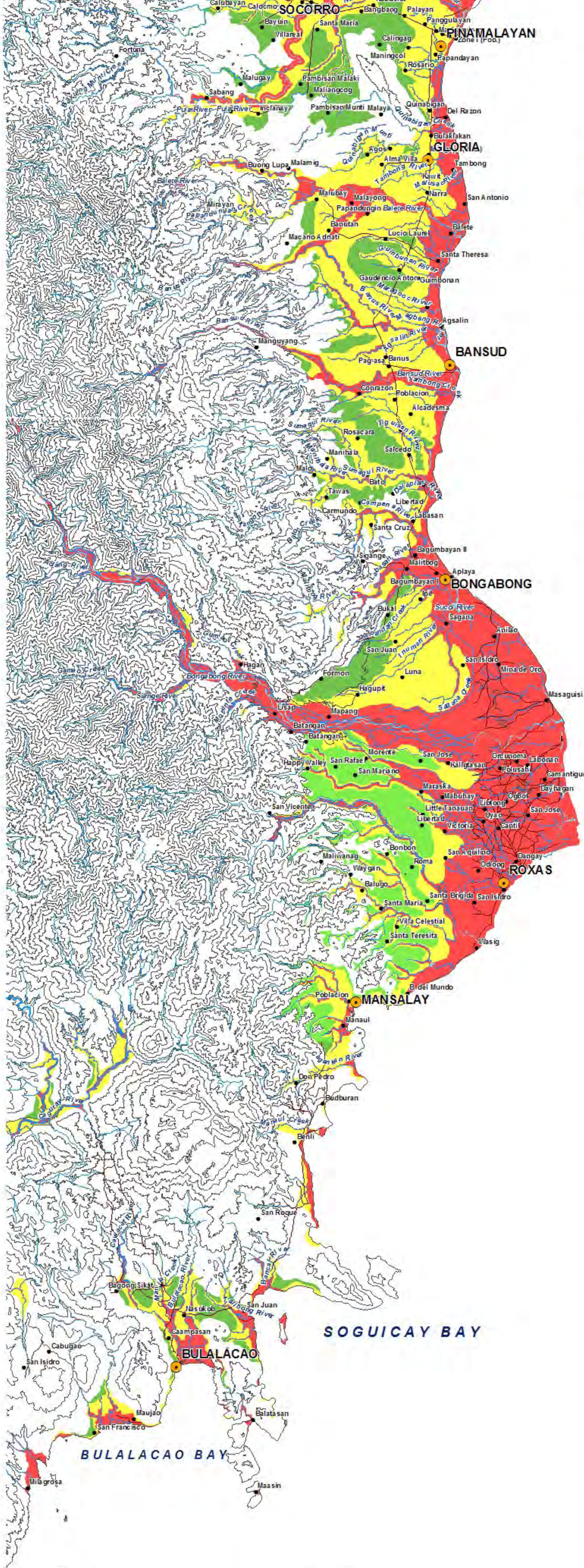


Geographic Coordinate System
Luzon 1911 Datum

Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Blvd., Ermita, Manila

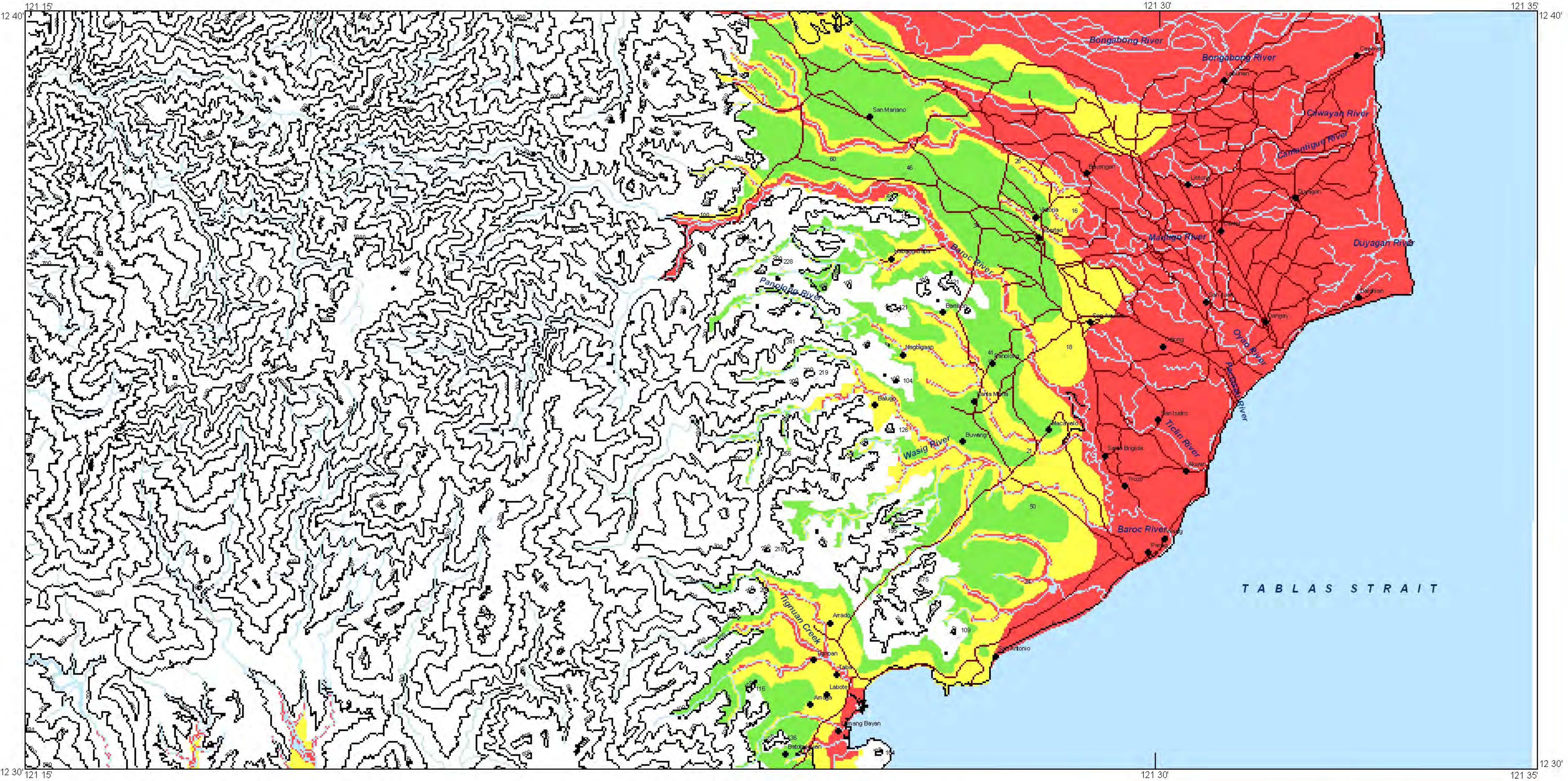


FLOOD SUSCEPTIBILITY
MAP OF ORIENTAL MINDORO



T A B L A S S T R A I T

FLOOD SUSCEPTIBILITY MAP OF MANSALAY AND DANGAY QUADRANGLE



LEGEND

- Municipality, Barangays
- × Spot elevation
- Road
- River
- Contour

Flood Susceptibility Zonation

- High (Red)
- Moderate (Yellow)
- Low (Green)
- None (White)

CONTOUR INTERVAL : 100 METERS

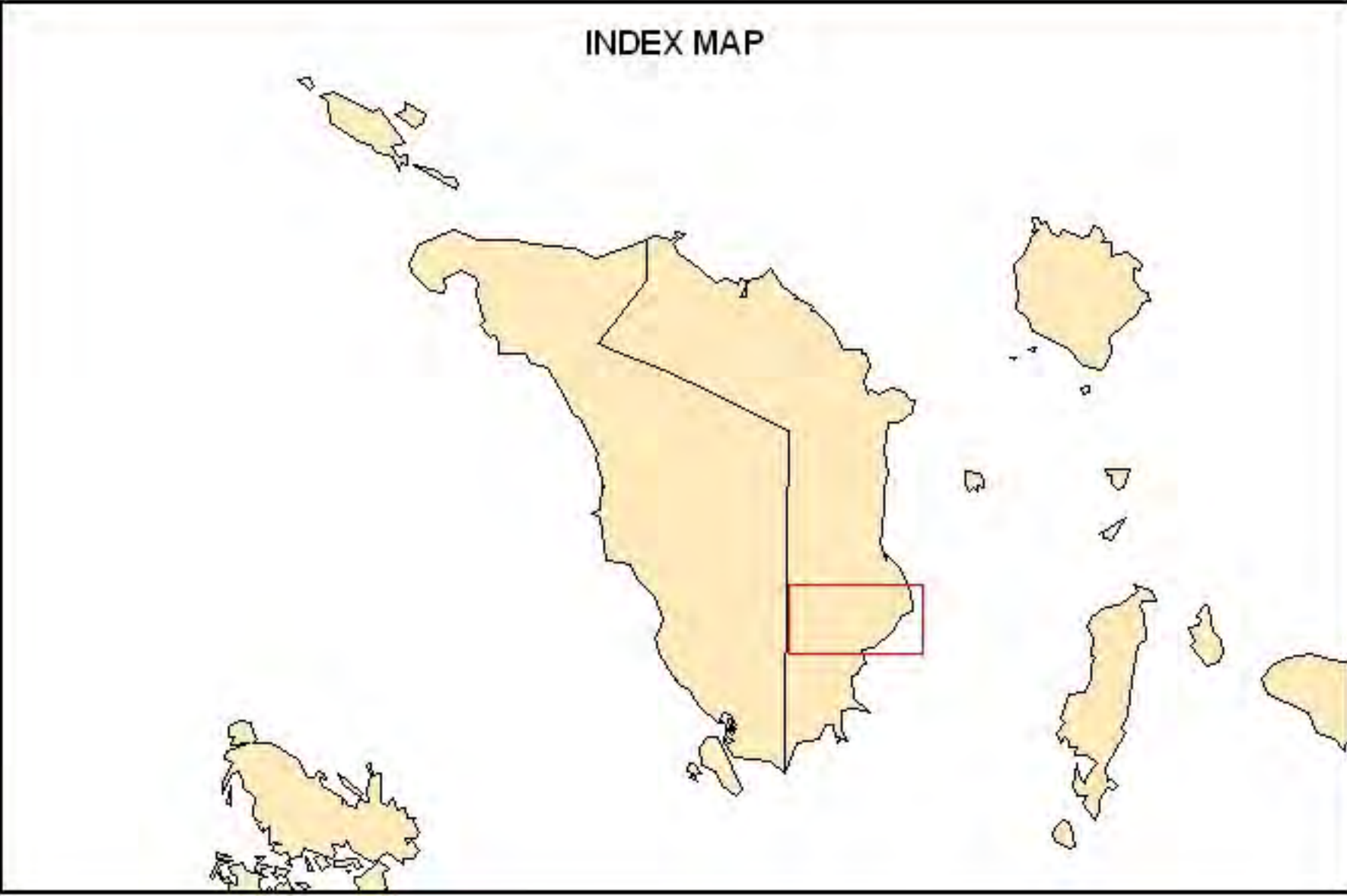
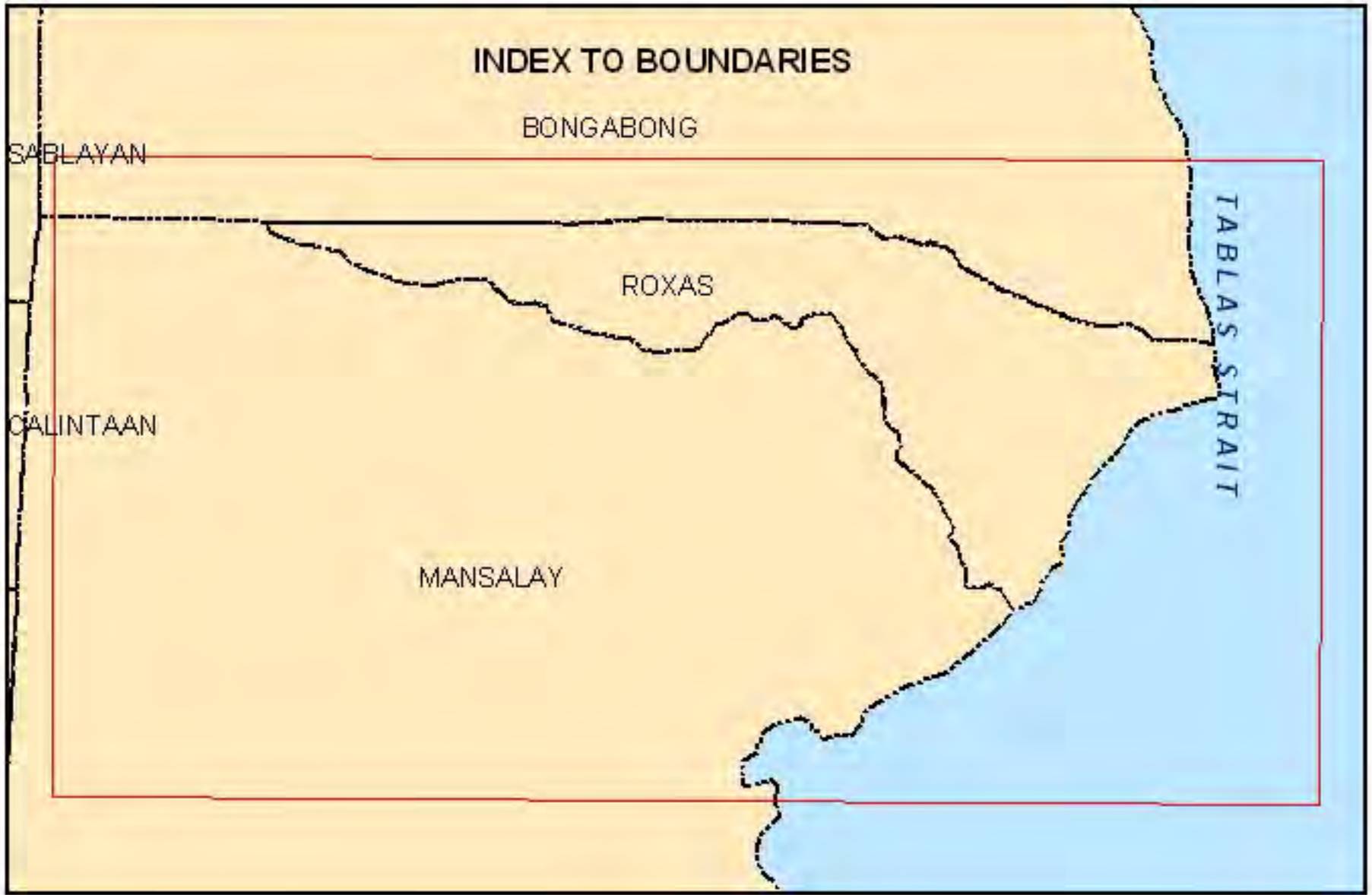
N

0 2.5 5
Kilometers

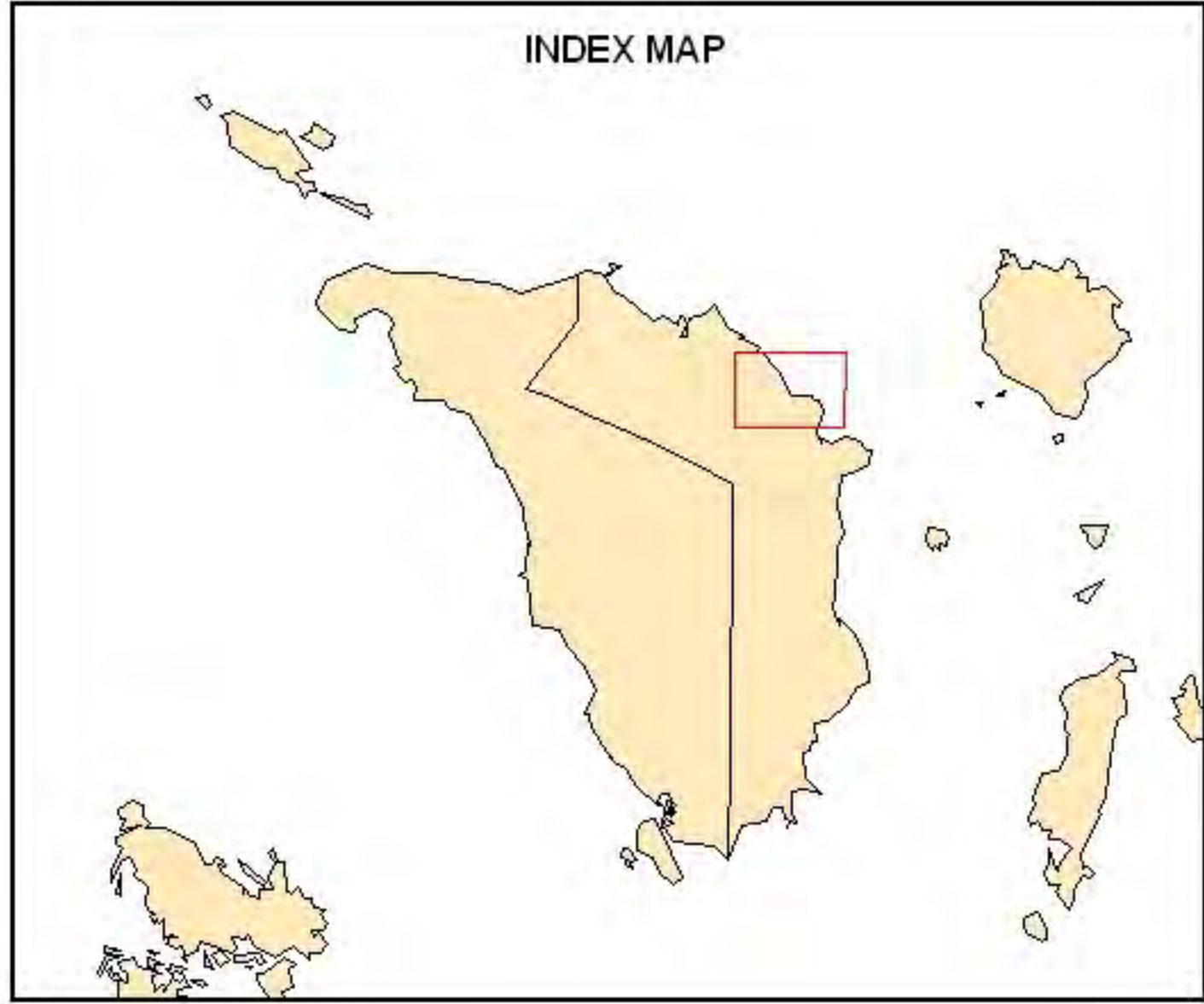
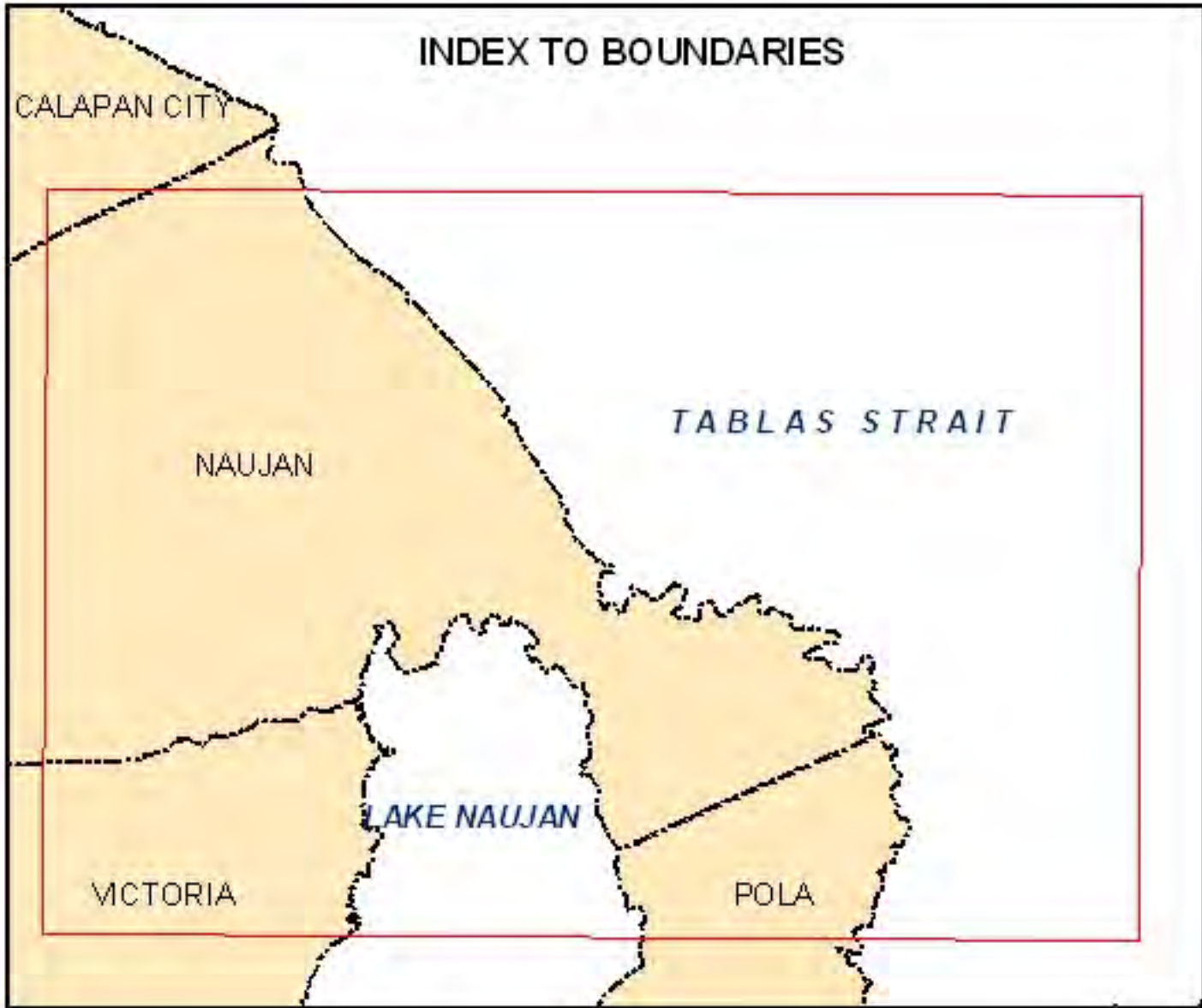
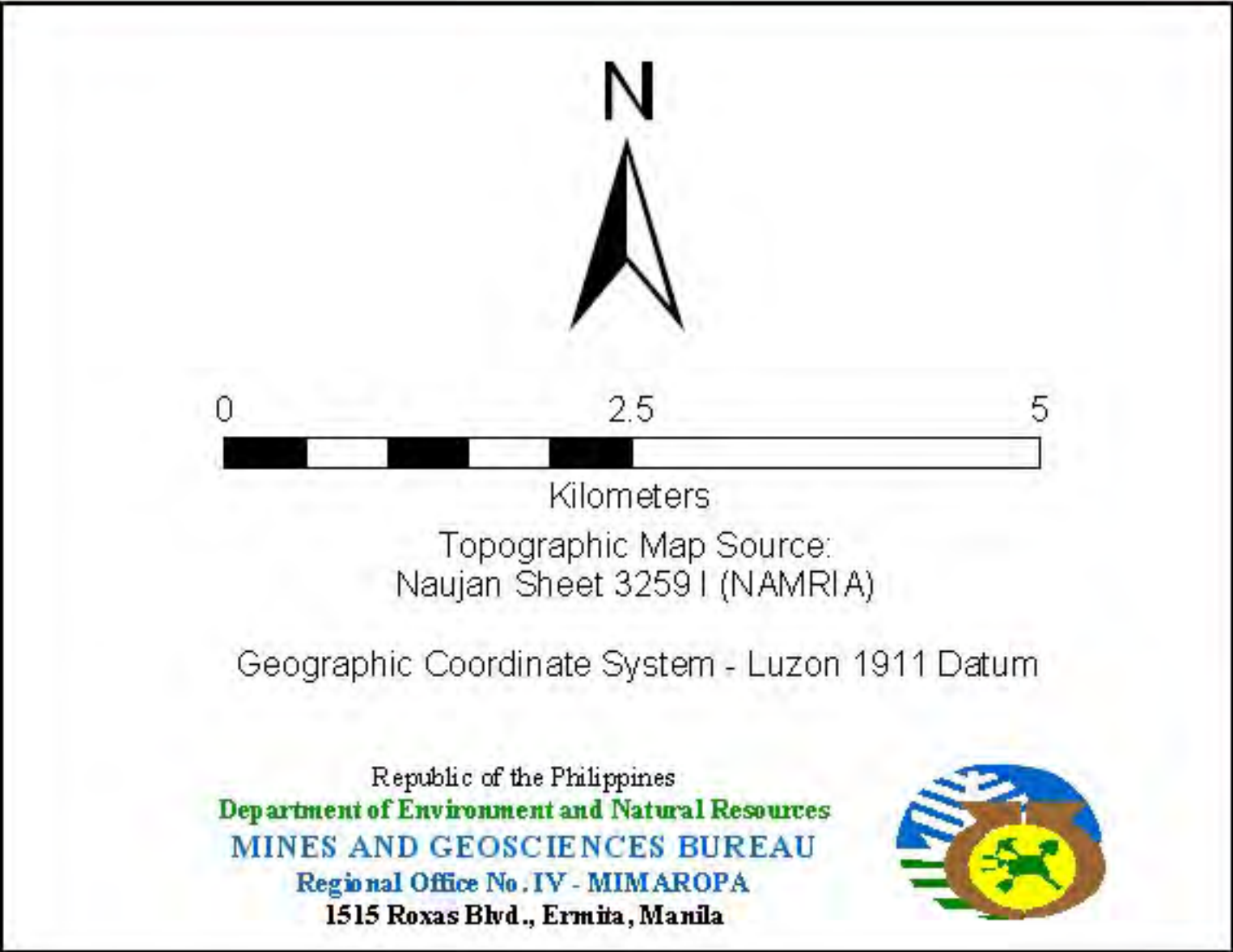
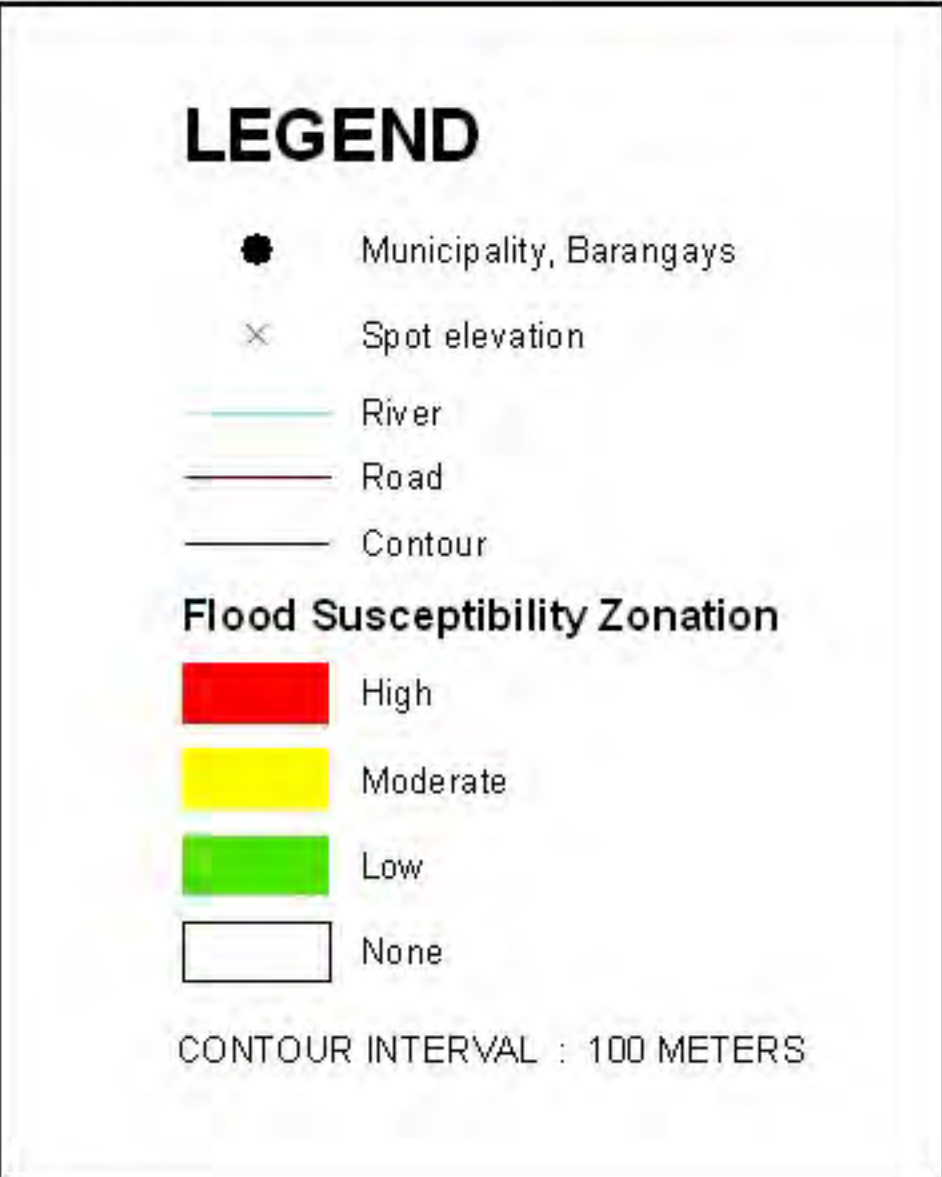
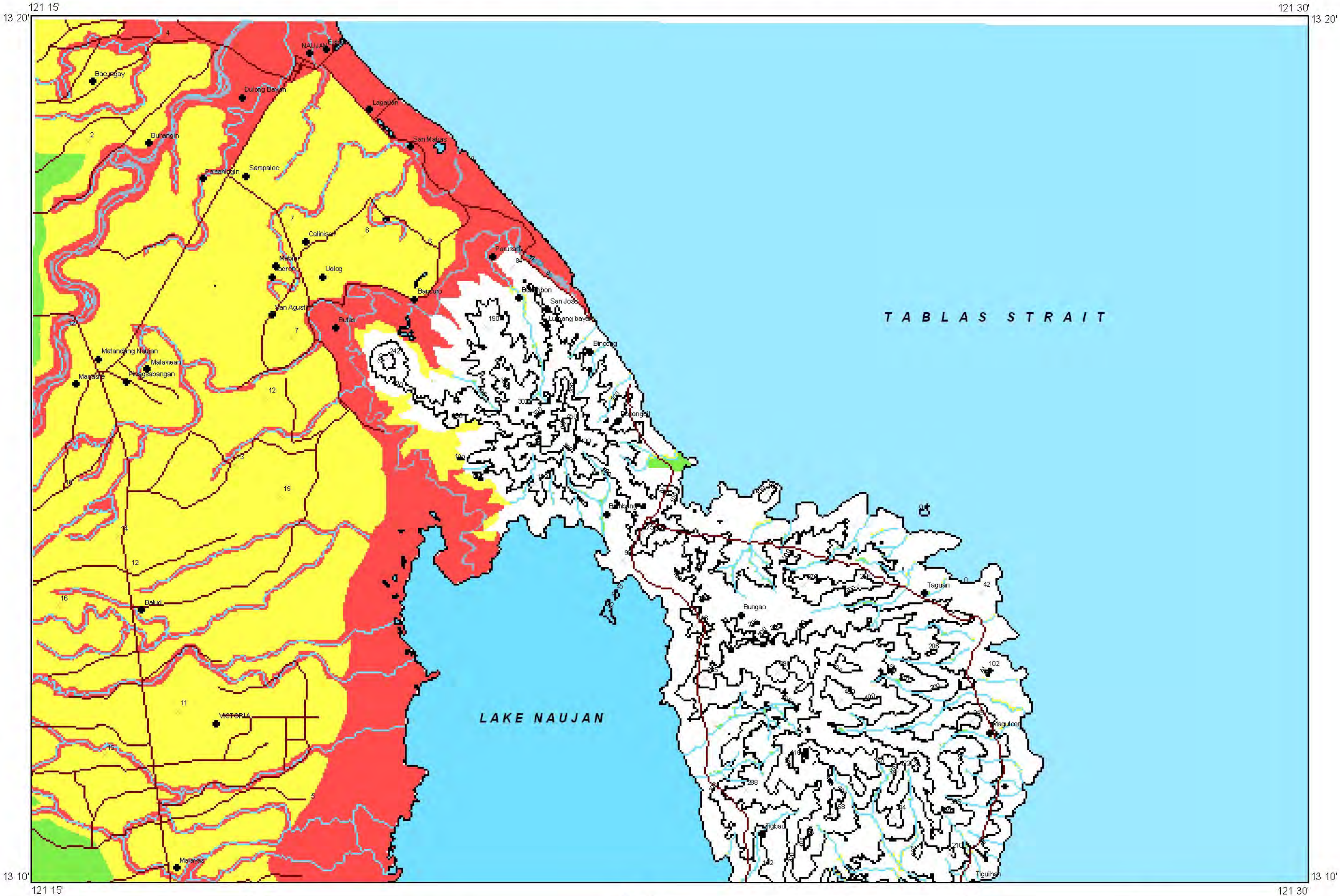
Topographic Map Source:
Mansalay Sheet 3257 I and Dangay Sheet 3357 IV
(NAMRIA)

Geographic Coordinate System - Luzon 1911 Datum

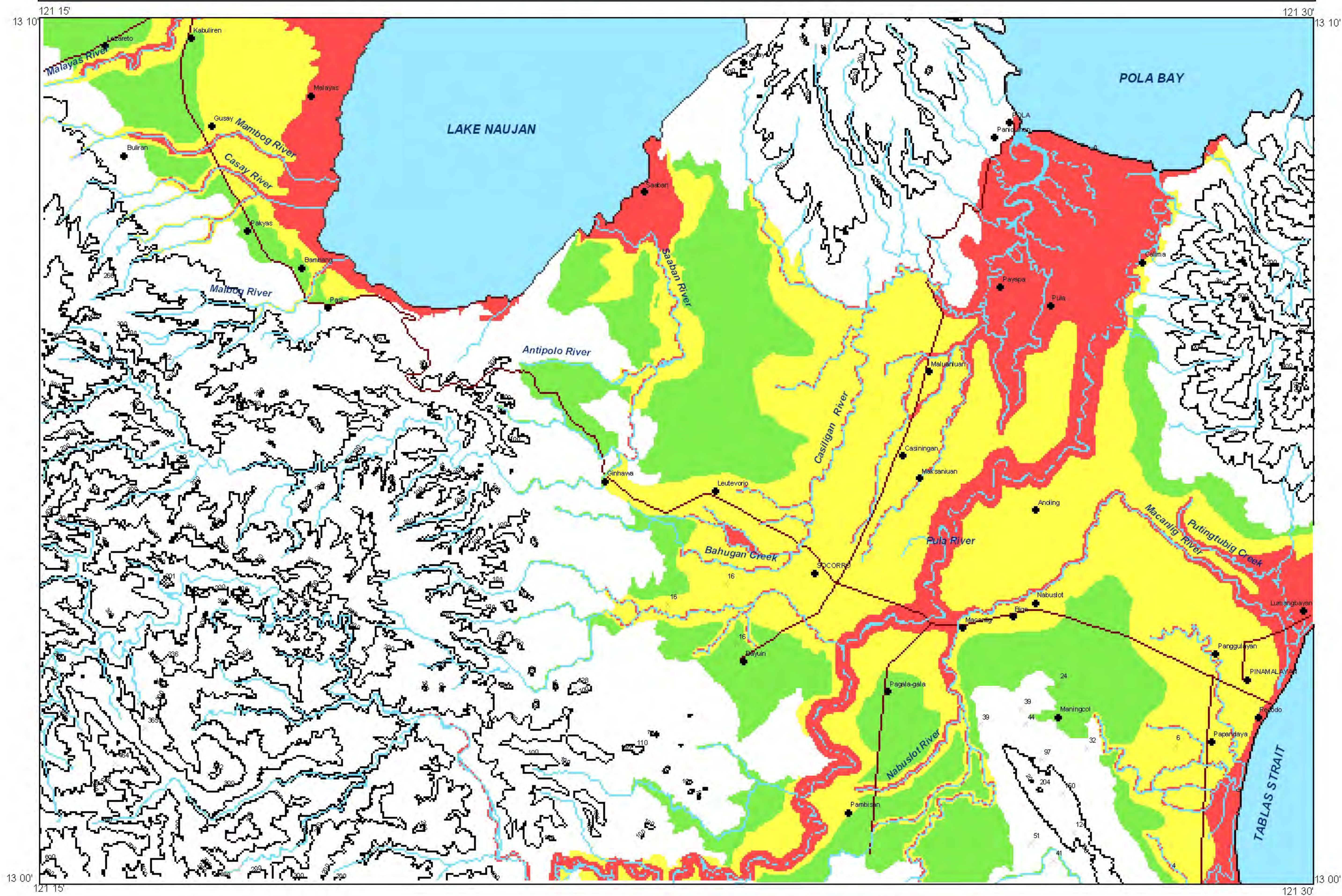
Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Blvd., Ermita, Manila



FLOOD SUSCEPTIBILITY MAP OF NAUJAN QUADRANGLE



FLOOD SUSCEPTIBILITY MAP OF PINAMALAYAN QUADRANGLE



LEGEND

- Municipality, Barangays
- × Spot elevation
- River
- Road
- Contour

Flood Susceptibility Zonation

- High
- Moderate
- Low
- None

CONTOUR INTERVAL : 100 METERS

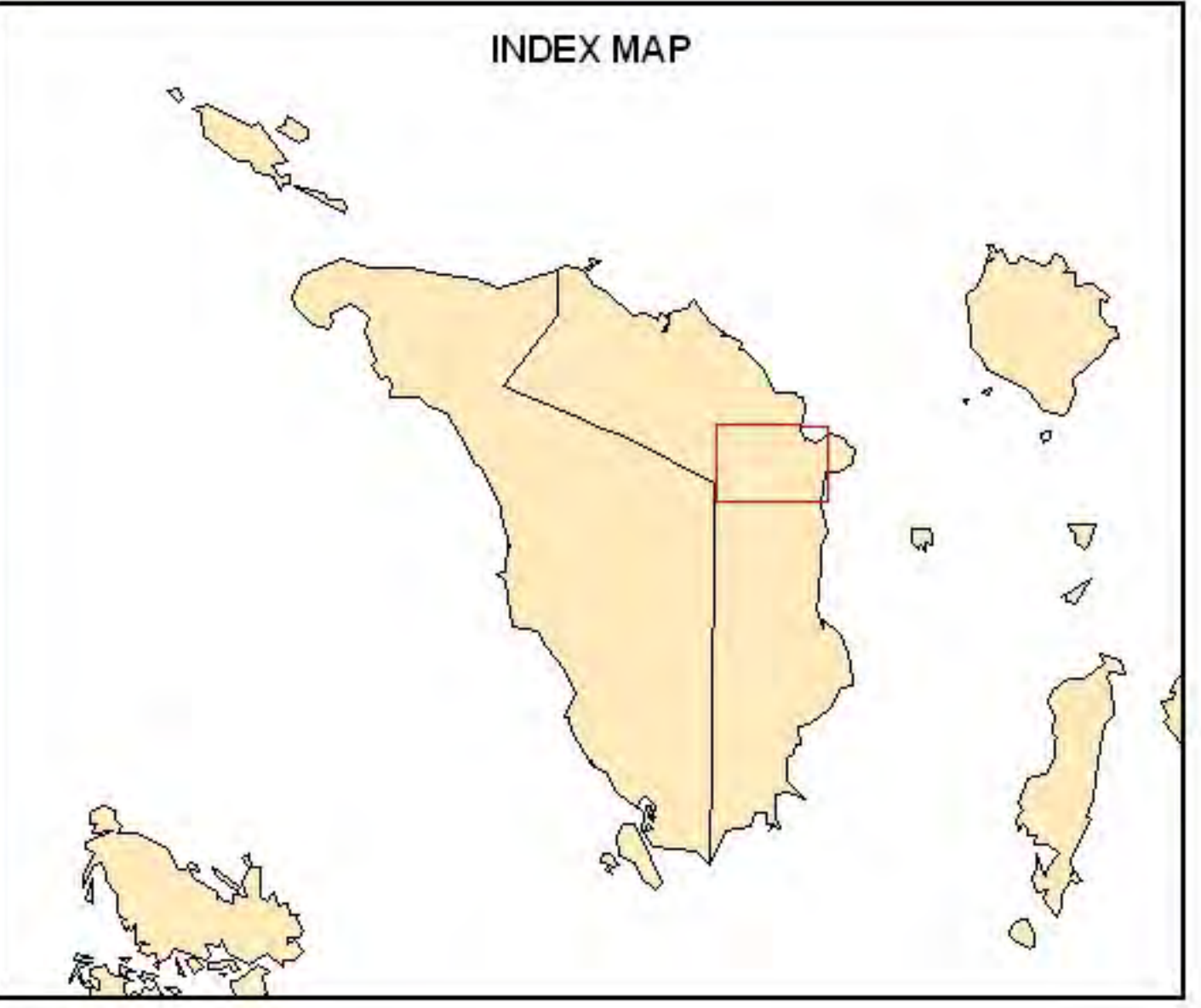
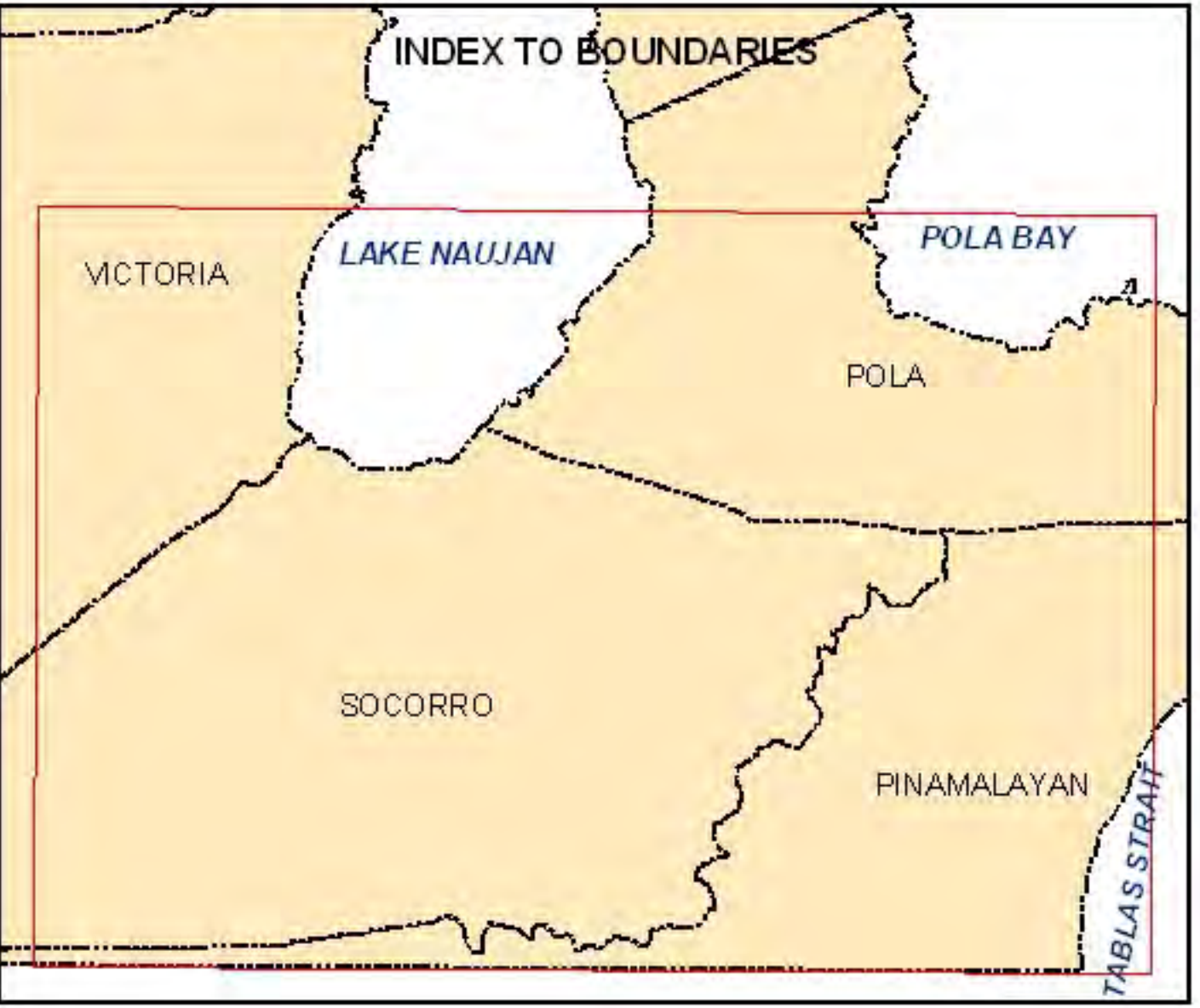
N

0 2.5 5
Kilometers

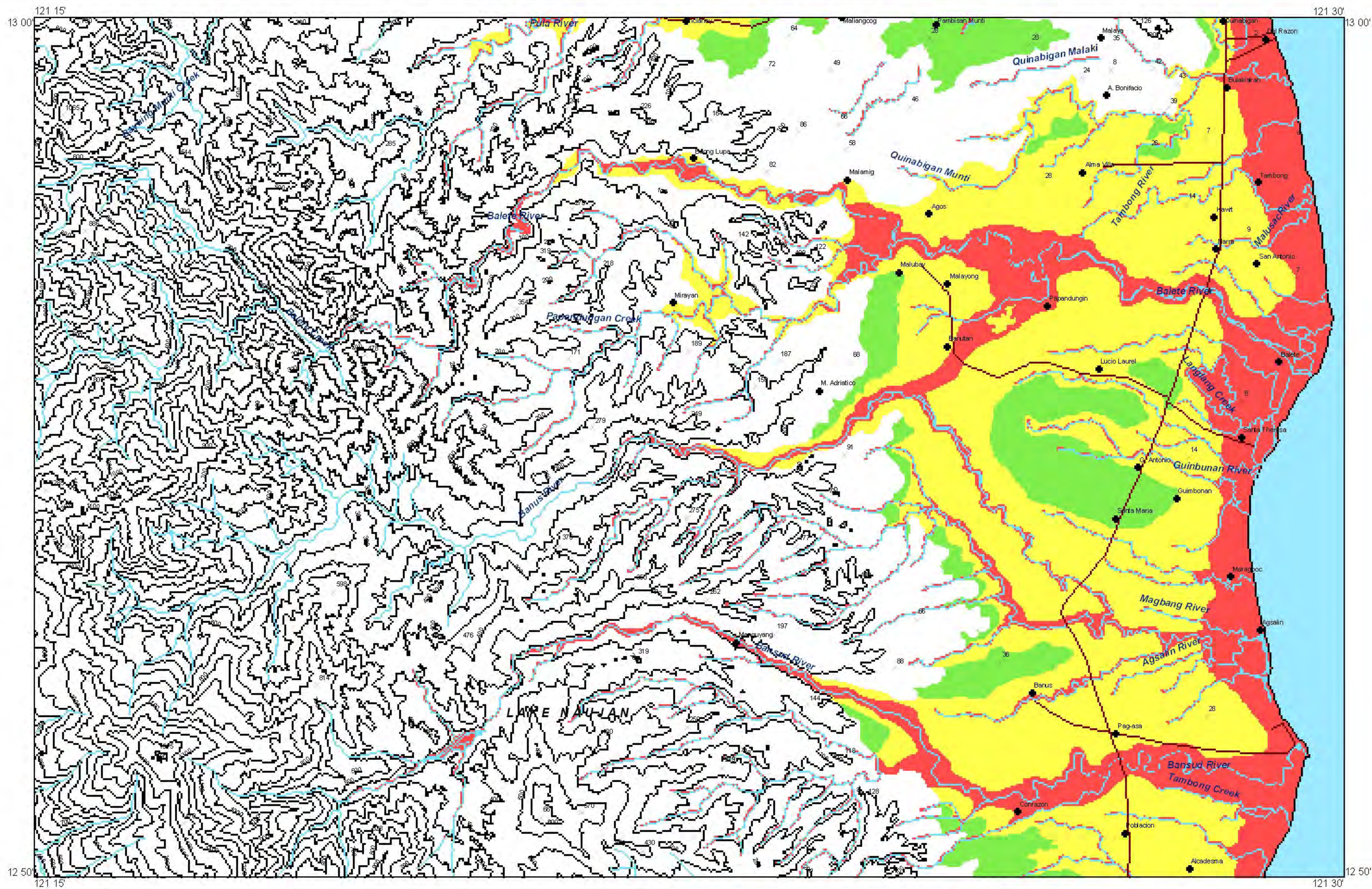
Topographic Map Source:
Pinamalayan Sheet 3259 II (NAMRIA)

Geographic Coordinate System - Luzon 1911 Datum

Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Blvd., Ermita, Manila



FLOOD SUSCEPTIBILITY MAP OF QUINABIGAN QUADRANGLE



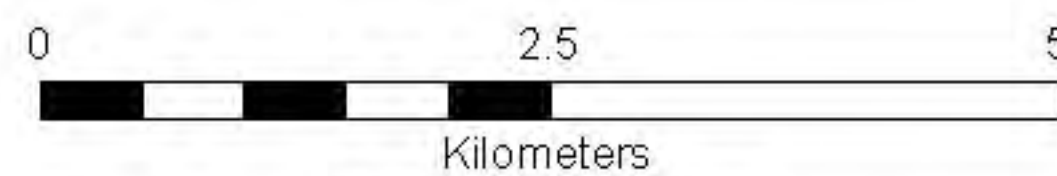
LEGEND

- Municipality, Barangay
- × Spot elevation
- River
- Road
- Contour

Flood Susceptibility Zonation

- High
- Medium
- Low
- None

CONTOUR INTERVAL : 100 METERS



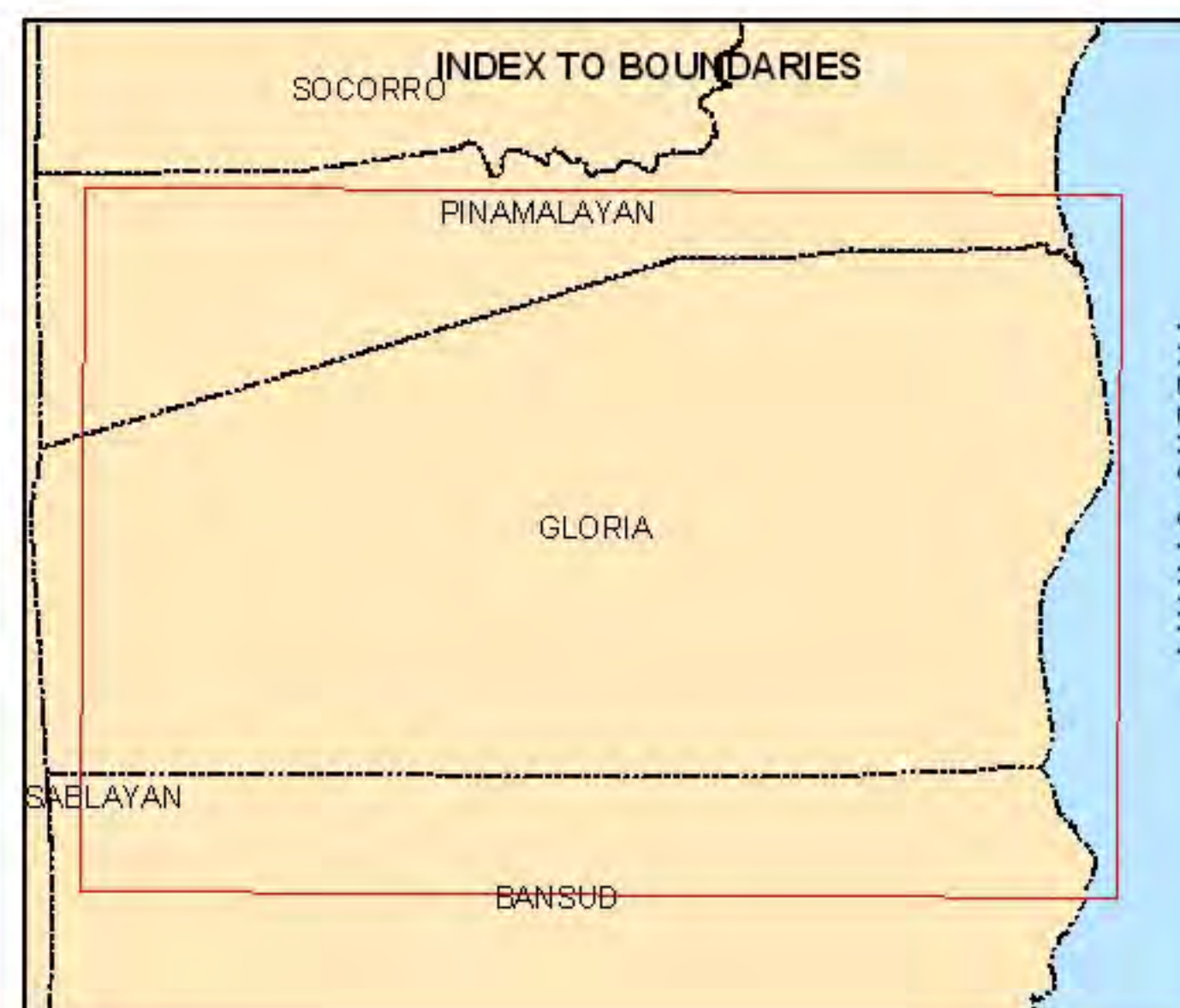
Topographic Map Source:
Quinabigan Sheet 32581 (NAMRIA)

Geographic Coordinate System - Luzon 1911 Datum

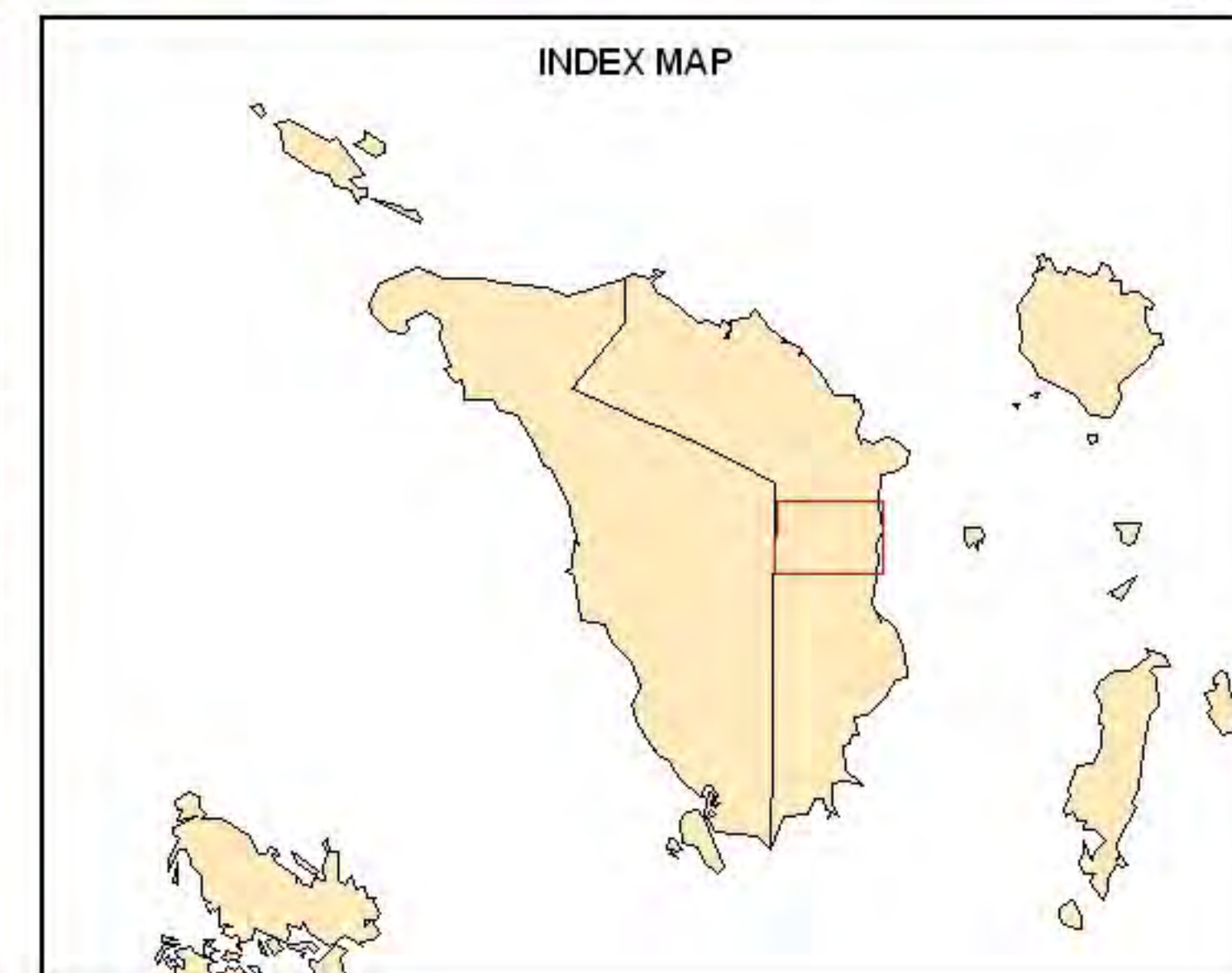
Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Blvd., Ermita, Manila



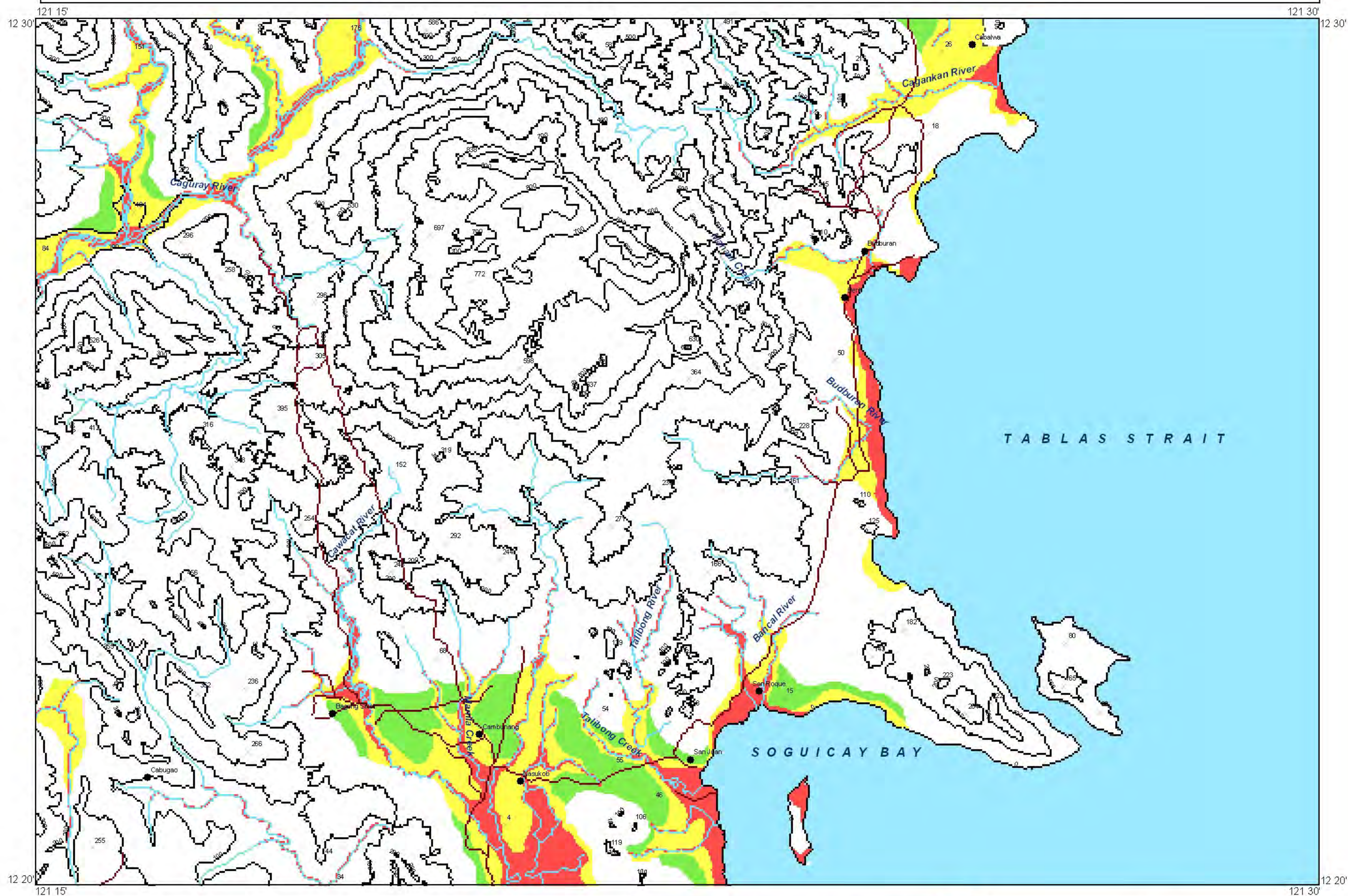
INDEX TO BOUNDARIES



INDEX MAP



FLOOD SUSCEPTIBILITY MAP OF SOGUICA QUADRANGLE



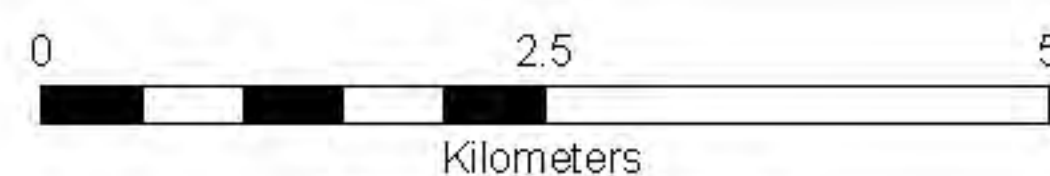
LEGEND

- Municipality, Barangay
- × Spot elevation
- Road
- River
- Contour

Flood Susceptibility Zonation

- High
- Moderate
- Low
- None

CONTOUR INTERVAL : 100 METERS



Topographic Map Source:
Soguica Sheet 3257 II (NAMRIA)

Geographic Coordinate System - Luzon 1911 Datum

Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Blvd., Ermita, Manila



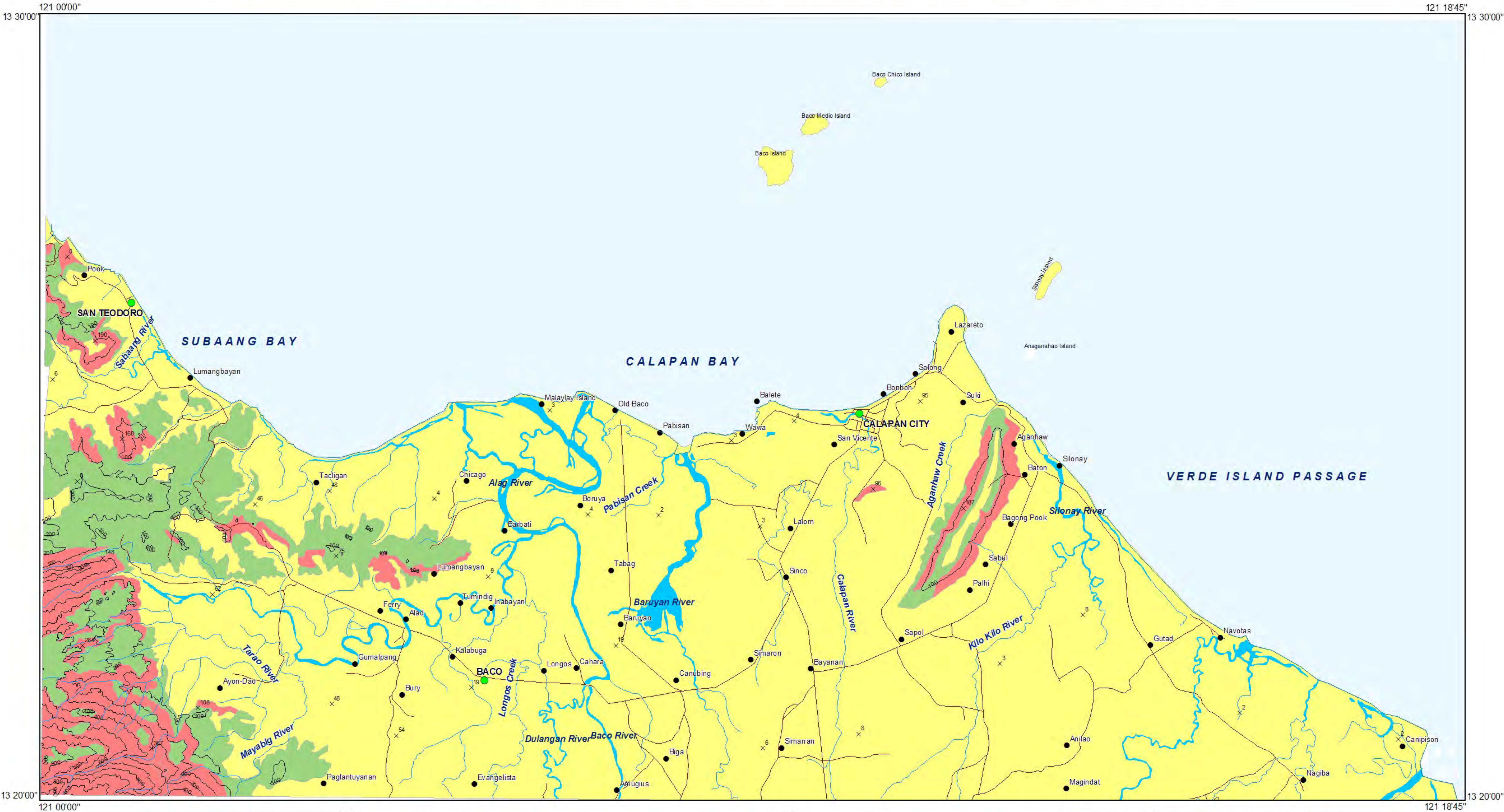
INDEX TO BOUNDARIES



INDEX MAP

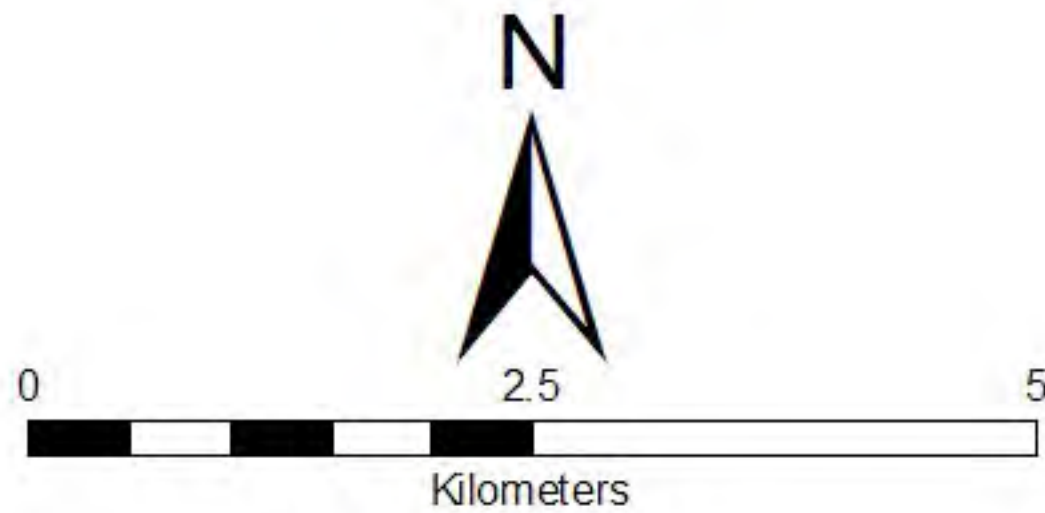


LANDSLIDE SUSCEPTIBILITY MAP OF CALAPAN AND NAGIBA QUADRANGLE



LEGEND

- Municipality
 - Barangays
 - × Spot elevation
 - River
 - Road
 - Contour
- Landslide Susceptibility Zonation**
- High
 - Moderate
 - Low to None
- CONTOUR INTERVAL : 100 METERS



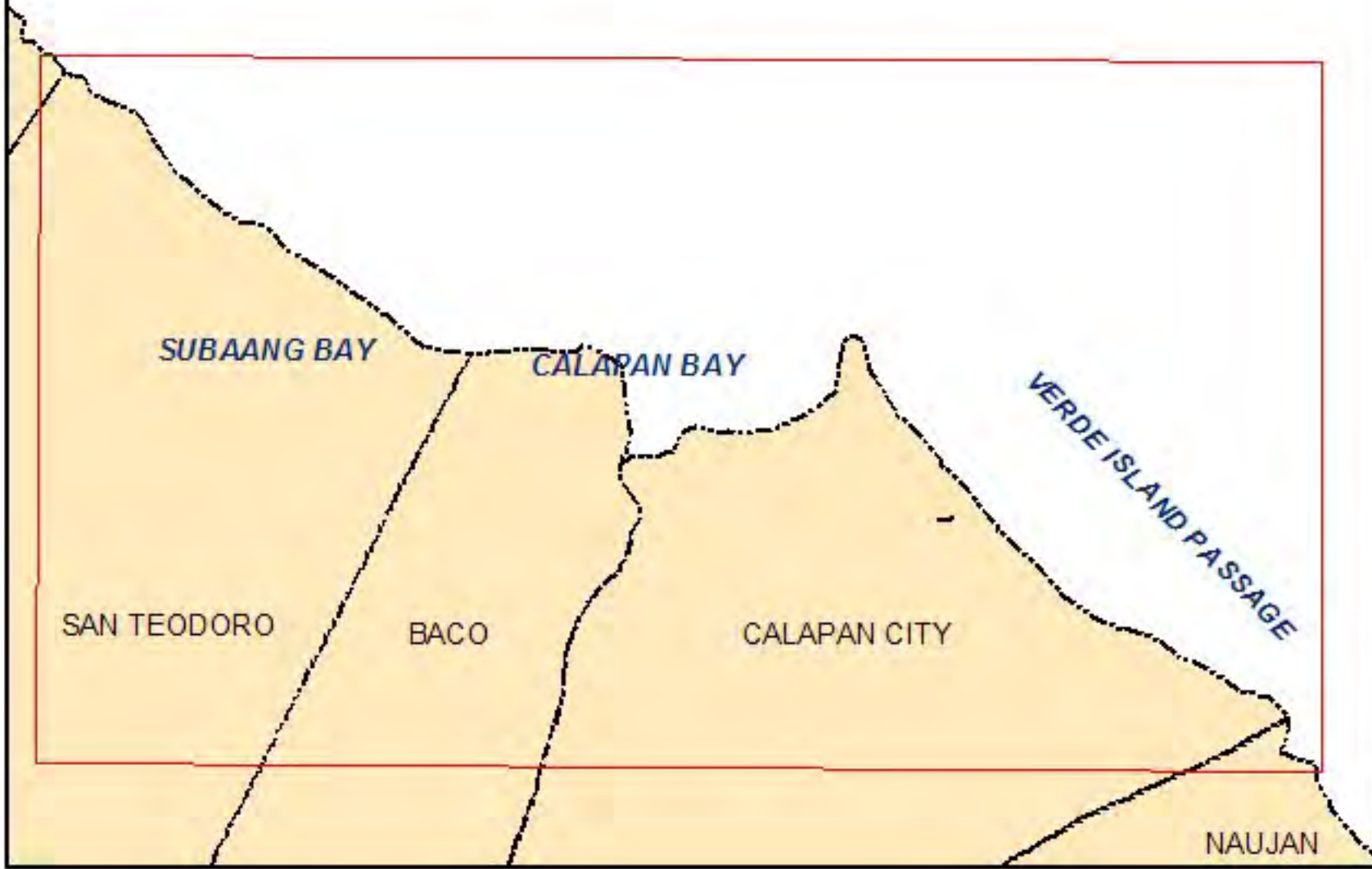
Topographic Map Source:
Calapan Sheet 3260 III and Nagiba Sheet 3260 II (NAMRIA)

Geographic Coordinate System - Luzon 1911 Datum

Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Bld., Ermita, Manila



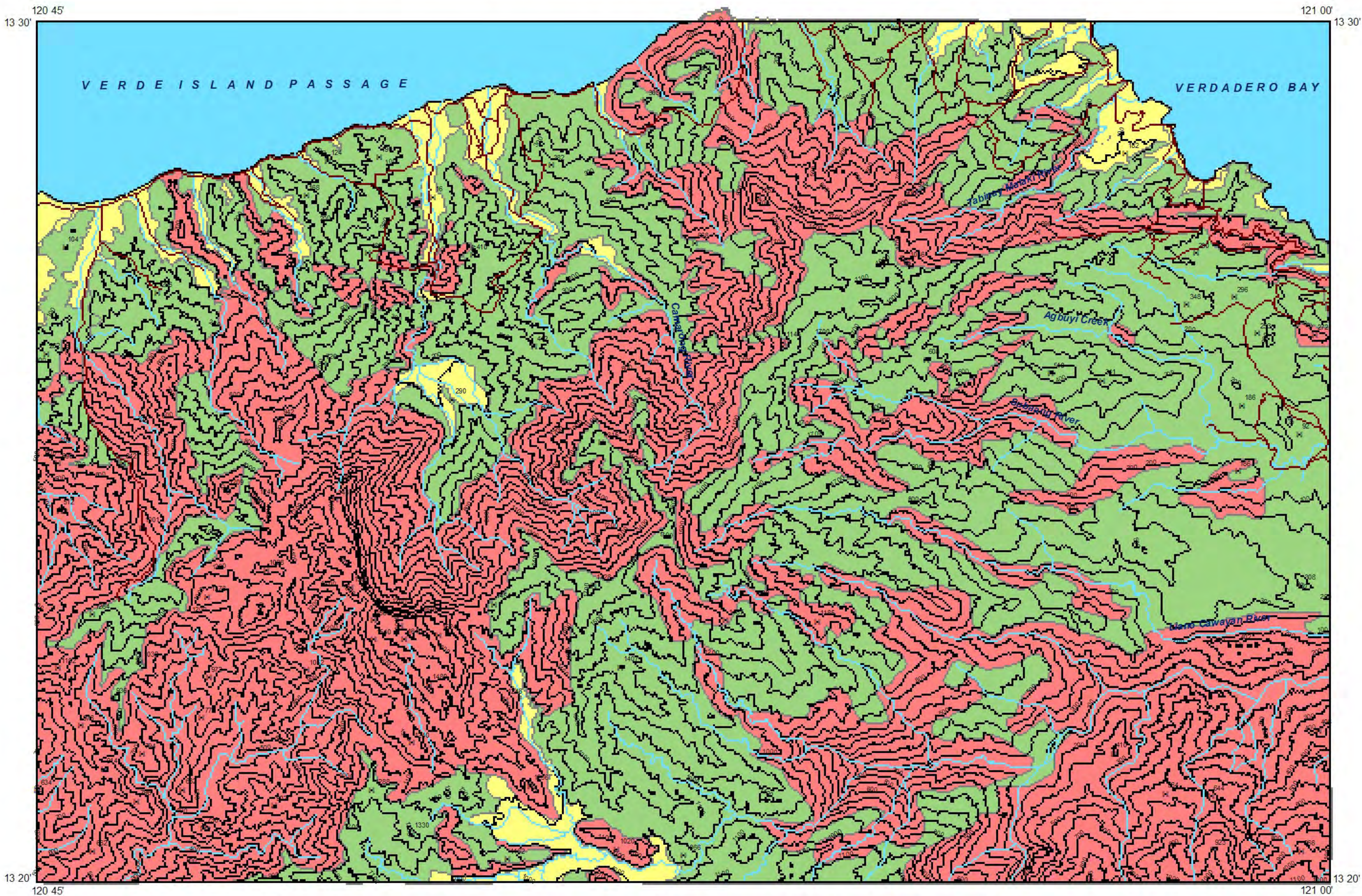
INDEX TO BOUNDARIES



INDEX MAP



LANDSLIDE SUSCEPTIBILITY MAP OF DULANGAN QUADRANGLE



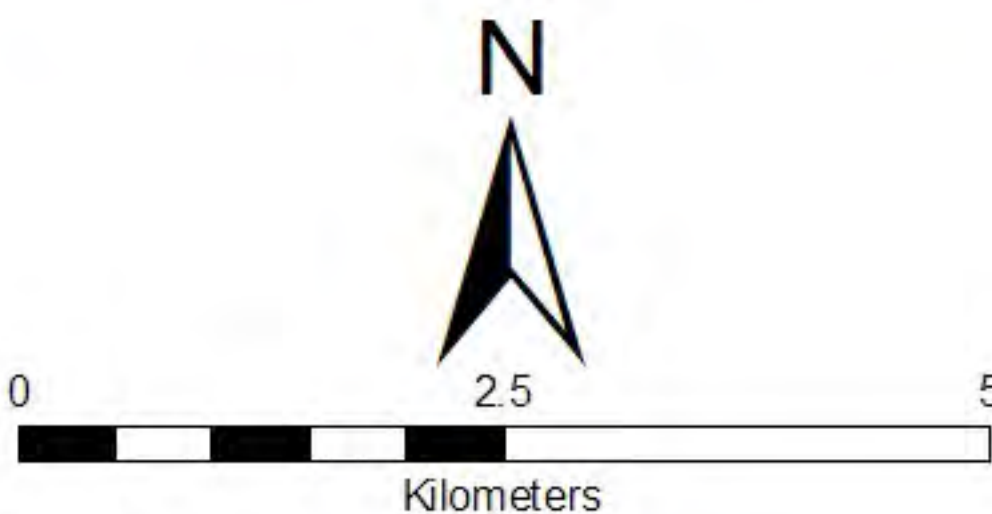
LEGEND

- Barangay
- × Spot elevation
- River
- Road
- Contour

Landslide Susceptibility Zonation

- High
- Moderate
- Low to Moderate

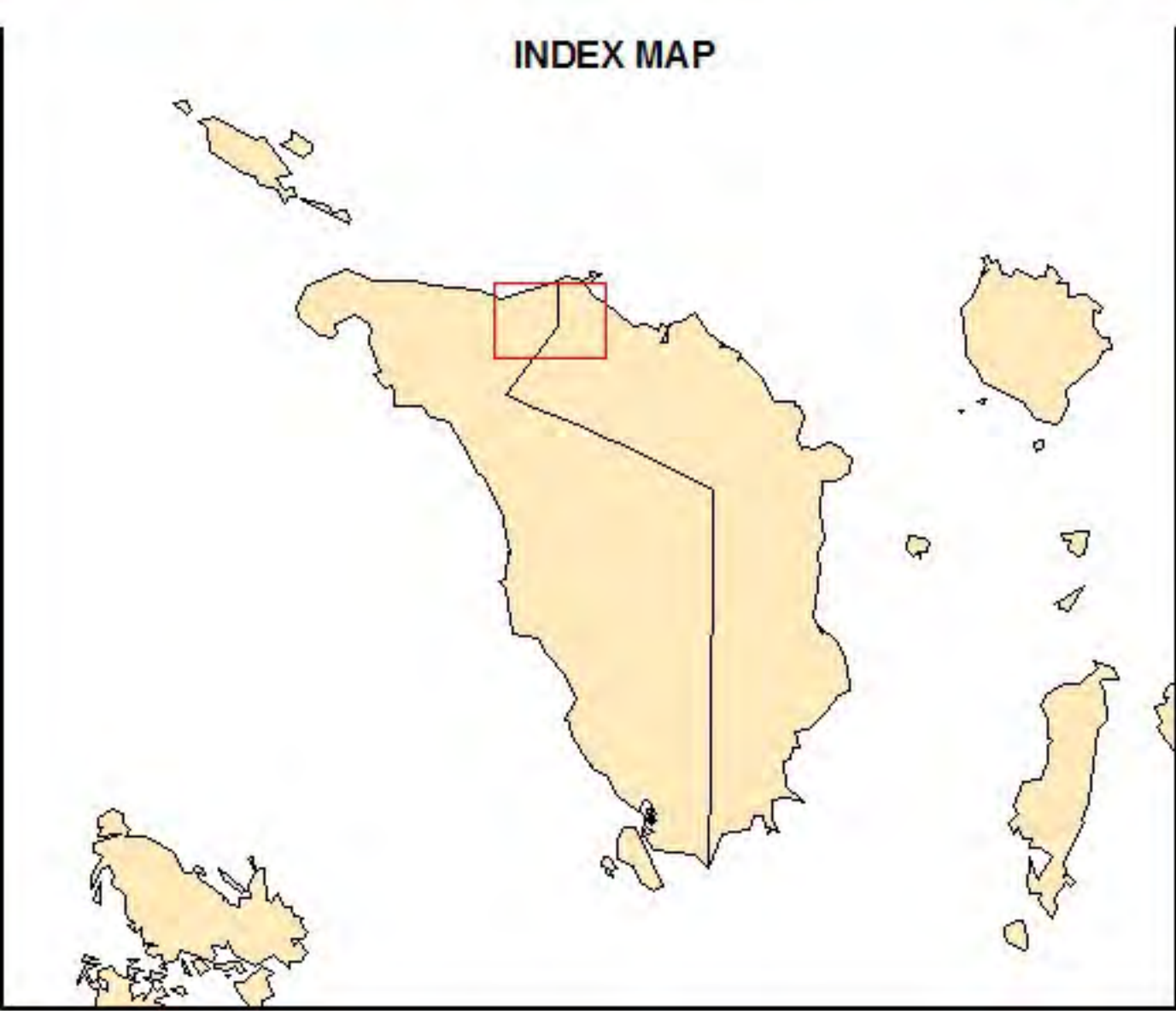
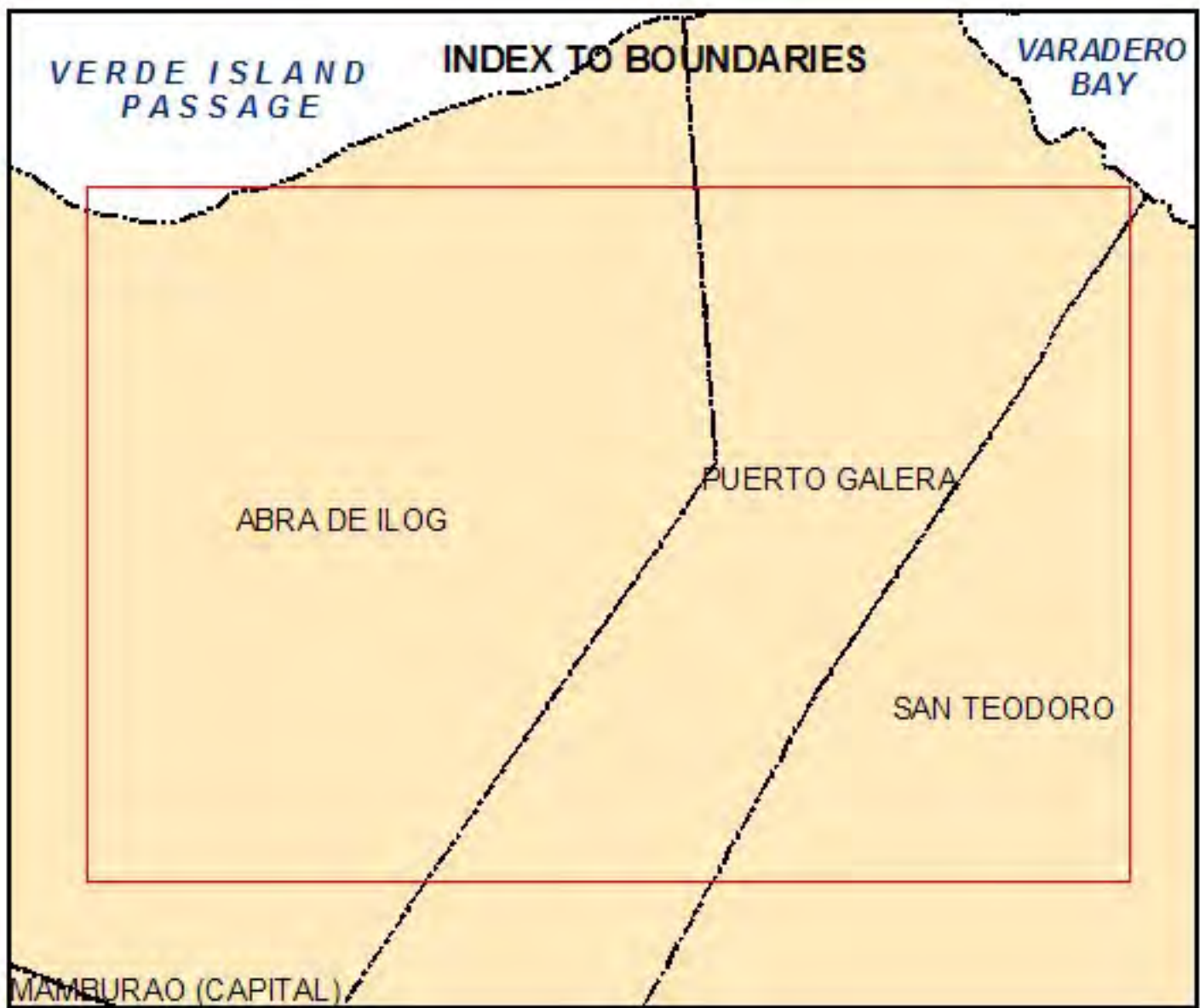
CONTOUR INTERVAL : 100 METERS



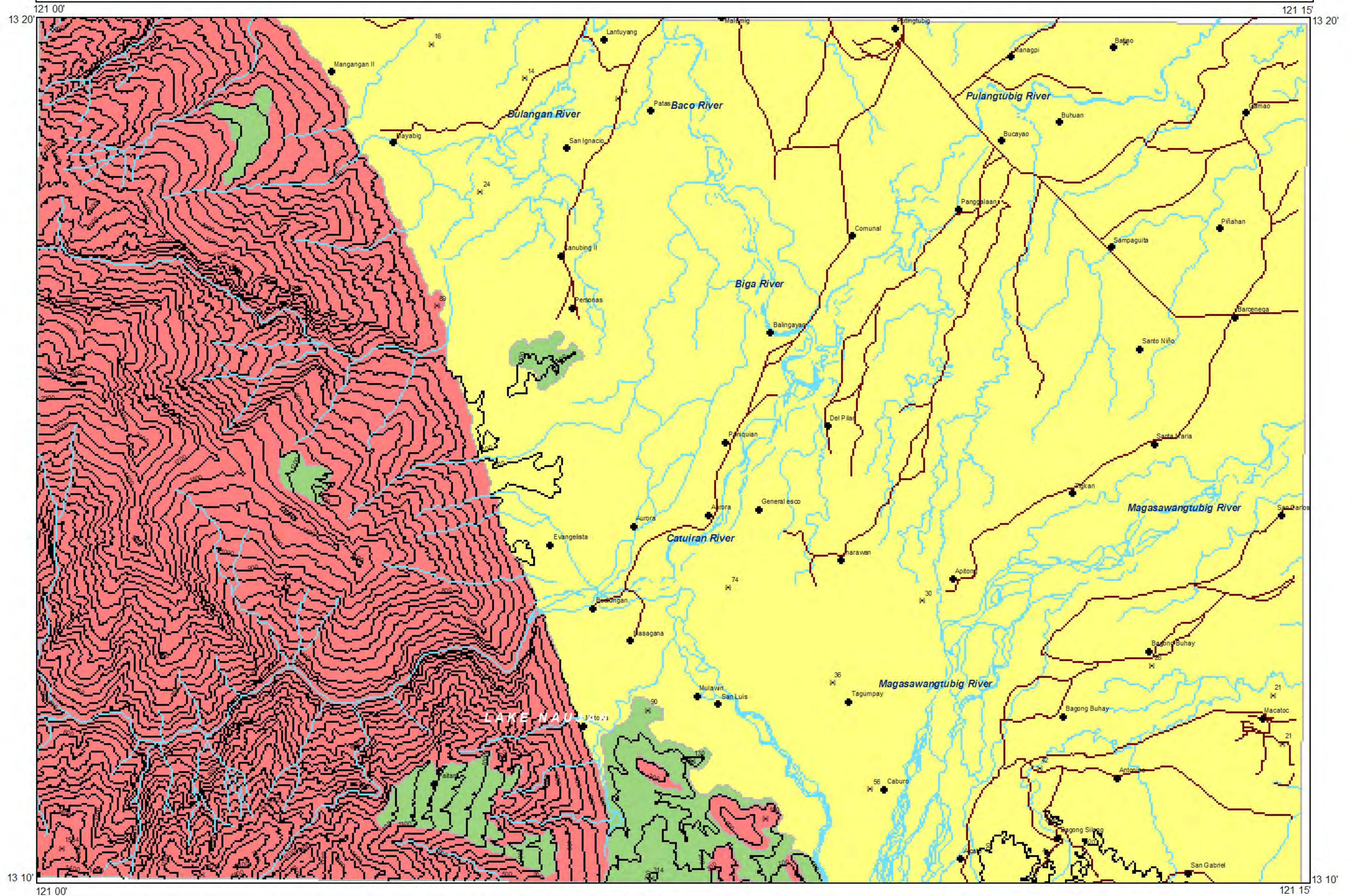
Topographic Map Source:
Dulangan Sheet 3160 II (NAMRIA)

Geographic Coordinate System - Luzon 1911 Datum

Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Blvd., Ermita, Manila



LANDSLIDE SUSCEPTIBILITY MAP OF NEW MACATOC QUADRANGLE



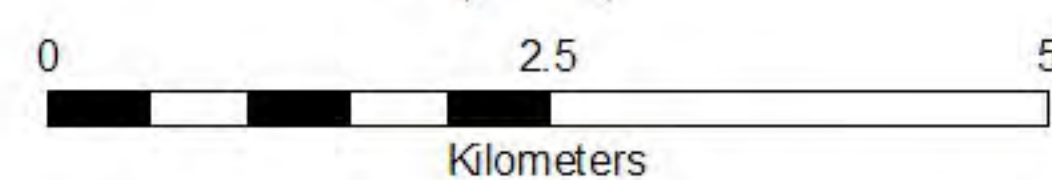
LEGEND

- Municipality, Barangay
- × Spot elevation
- River
- Road
- Contour

Landslide Susceptibility Zonation

- High
- Moderate
- Low to None

CONTOUR INTERVAL : 100 METERS



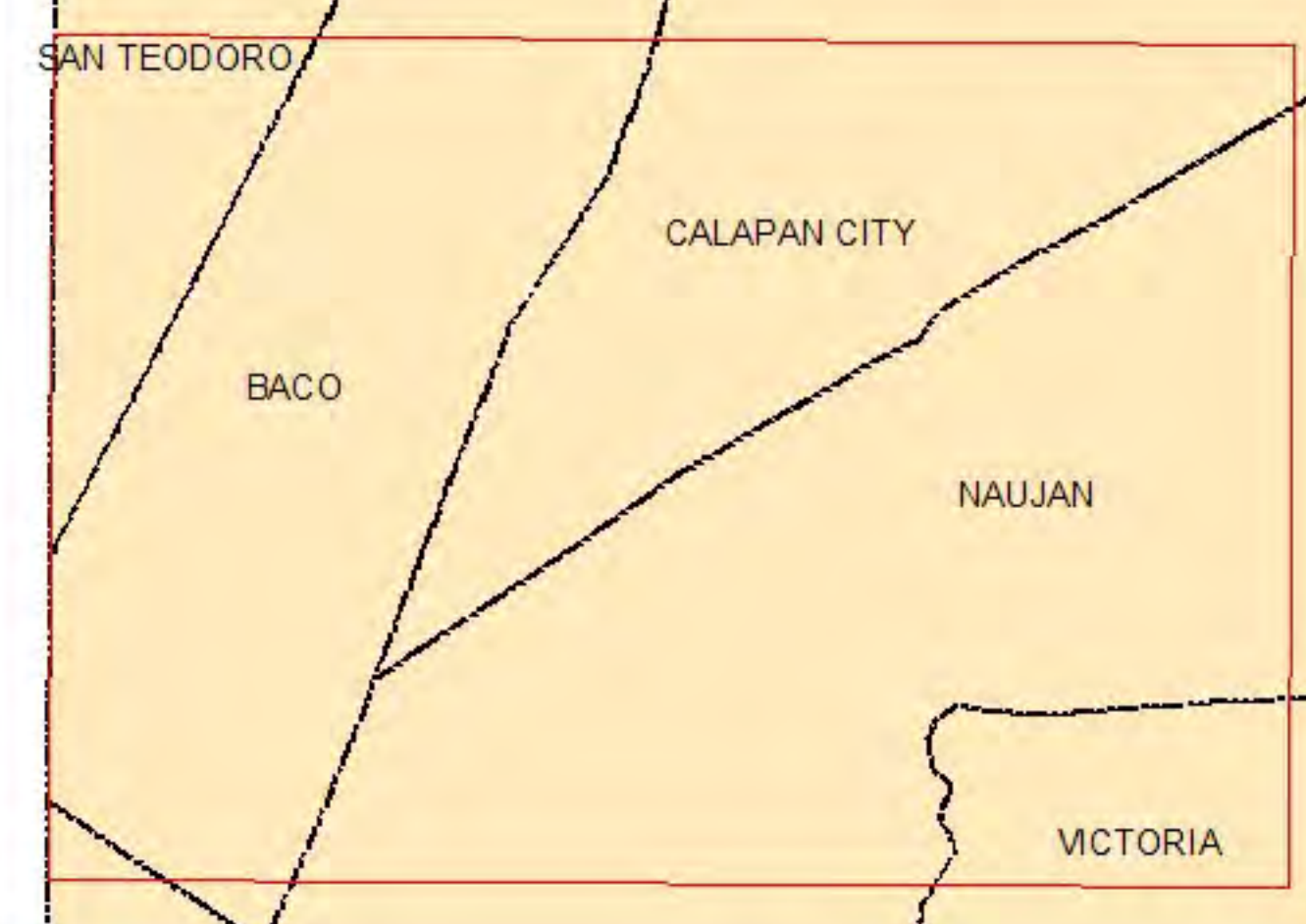
Topographic Map Source:
New Macatoc Sheet 3259 IV (NAMRIA)

Geographic Coordinate System - Luzon 1911 Datum

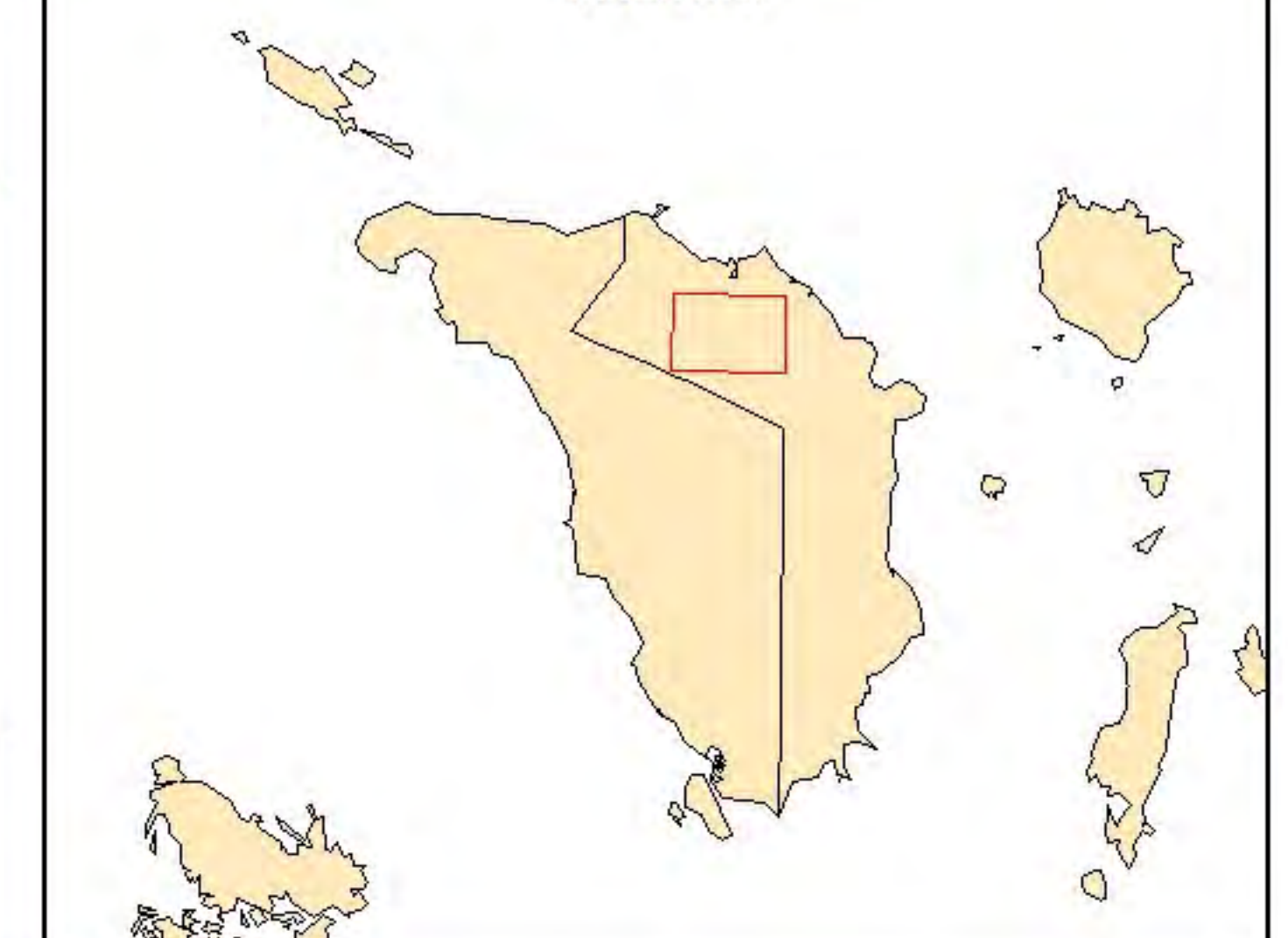
Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Blvd., Ermita, Manila

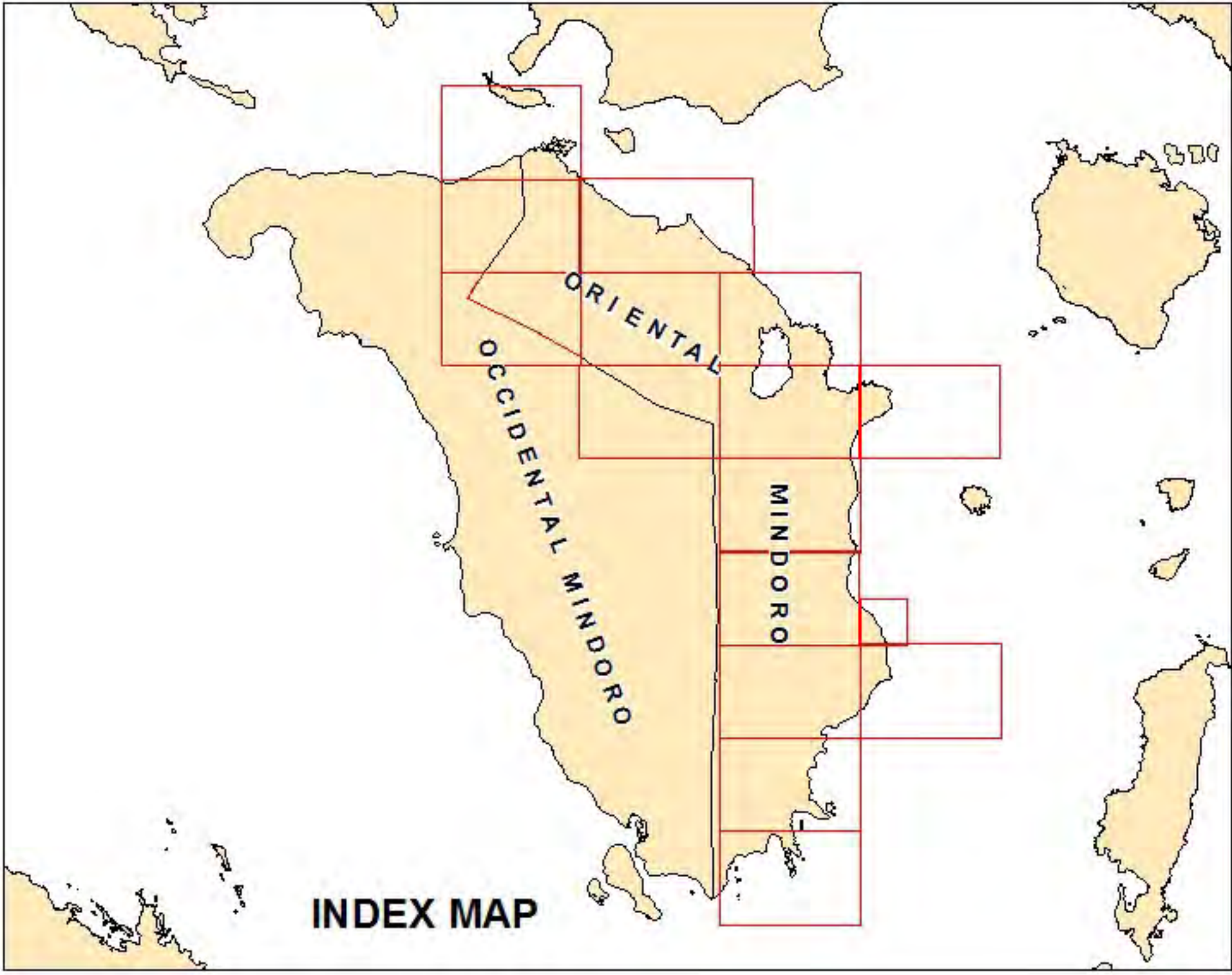
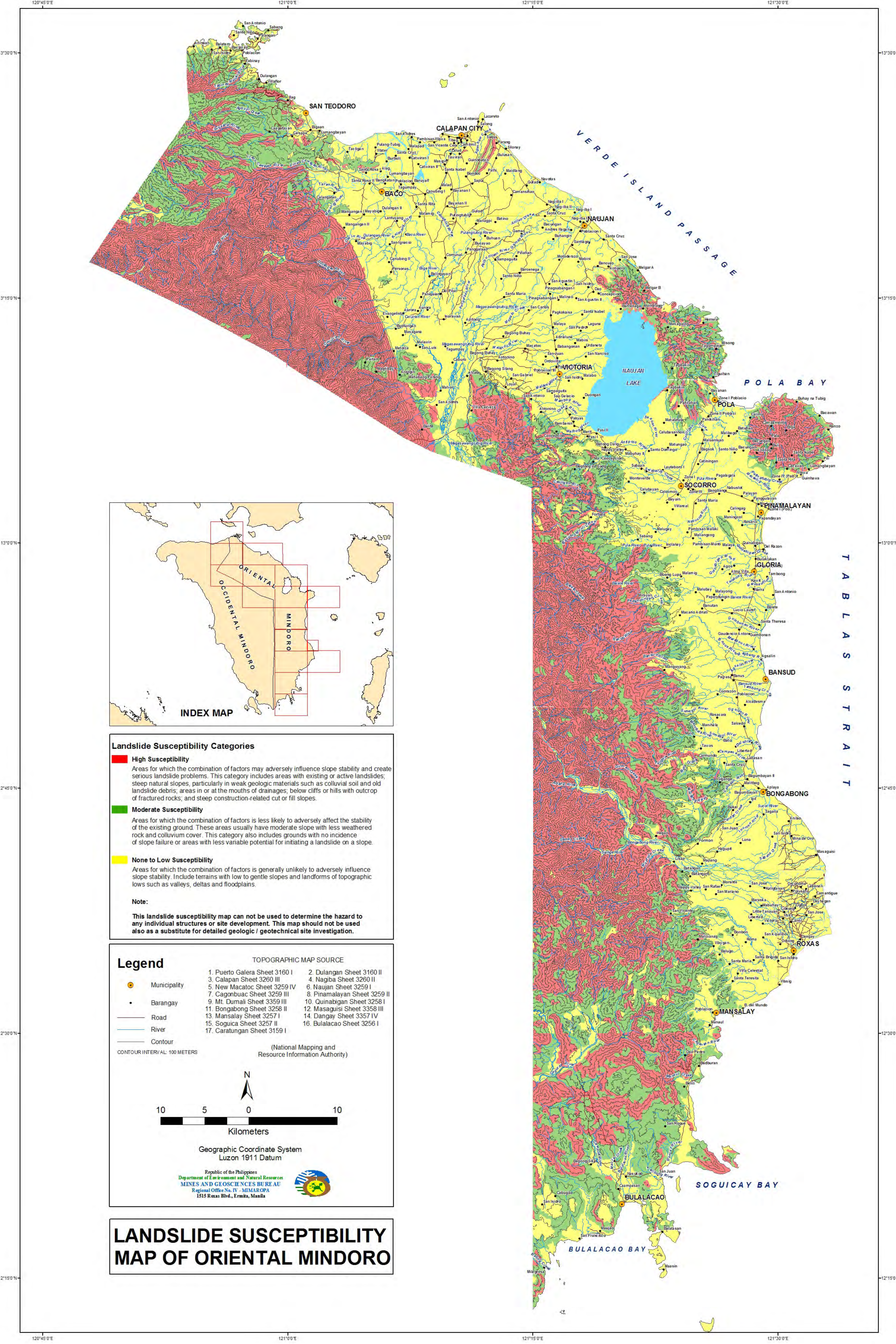


INDEX TO BOUNDARIES



INDEX MAP





Landslide Susceptibility Categories

High Susceptibility
Areas for which the combination of factors may adversely influence slope stability and create serious landslide problems. This category includes areas with existing or active landslides; steep natural slopes, particularly in weak geologic materials such as colluvial soil and old landslide debris; areas in or at the mouths of drainages; below cliffs or hills with outcrop of fractured rocks; and steep construction-related cut or fill slopes.

Moderate Susceptibility
Areas for which the combination of factors is less likely to adversely affect the stability of the existing ground. These areas usually have moderate slope with less weathered rock and colluvium cover. This category also includes grounds with no incidence of slope failure or areas with less variable potential for initiating a landslide on a slope.

None to Low Susceptibility
Areas for which the combination of factors is generally unlikely to adversely influence slope stability. Include terrains with low to gentle slopes and landforms of topographic lows such as valleys, deltas and floodplains.

Note:
This landslide susceptibility map can not be used to determine the hazard to any individual structures or site development. This map should not be used also as a substitute for detailed geologic / geotechnical site investigation.

Legend

TOPOGRAPHIC MAP SOURCE

1. Puerto Galera Sheet 3160 I	2. Dulangan Sheet 3160 II
3. Calapan Sheet 3260 III	4. Nagiba Sheet 3260 II
5. New Macatoc Sheet 3259 IV	6. Naujan Sheet 3259 I
7. Cagonbuac Sheet 3259 III	8. Pinamalayan Sheet 3259 II
9. Mt. Dumali Sheet 3359 III	10. Quinabigan Sheet 3258 I
11. Bongabong Sheet 3258 II	12. Masaguisi Sheet 3358 III
13. Mansalay Sheet 3257 I	14. Dangay Sheet 3357 IV
15. Soguica Sheet 3257 II	16. Bulalacao Sheet 3256 I
17. Caratungan Sheet 3159 I	

(National Mapping and Resource Information Authority)

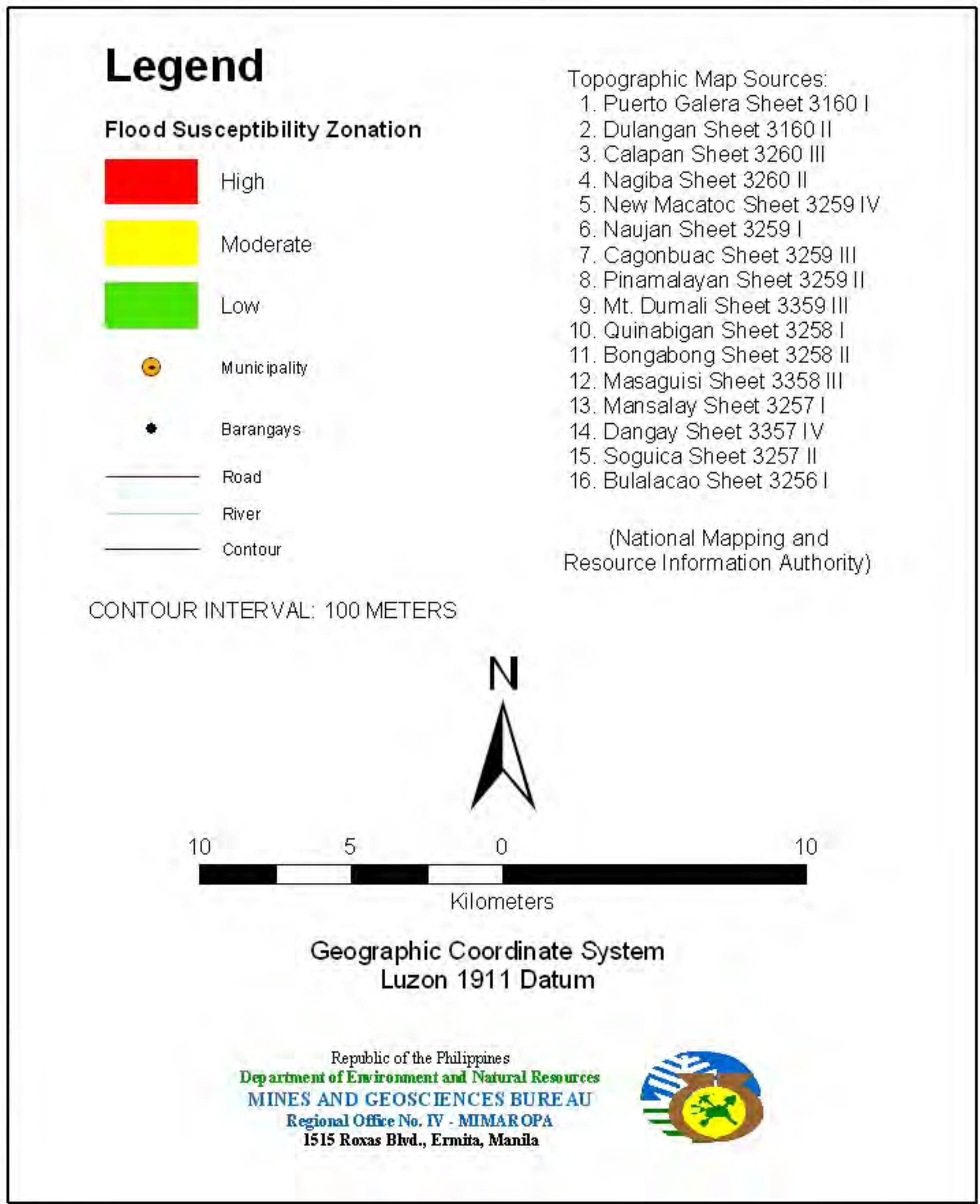
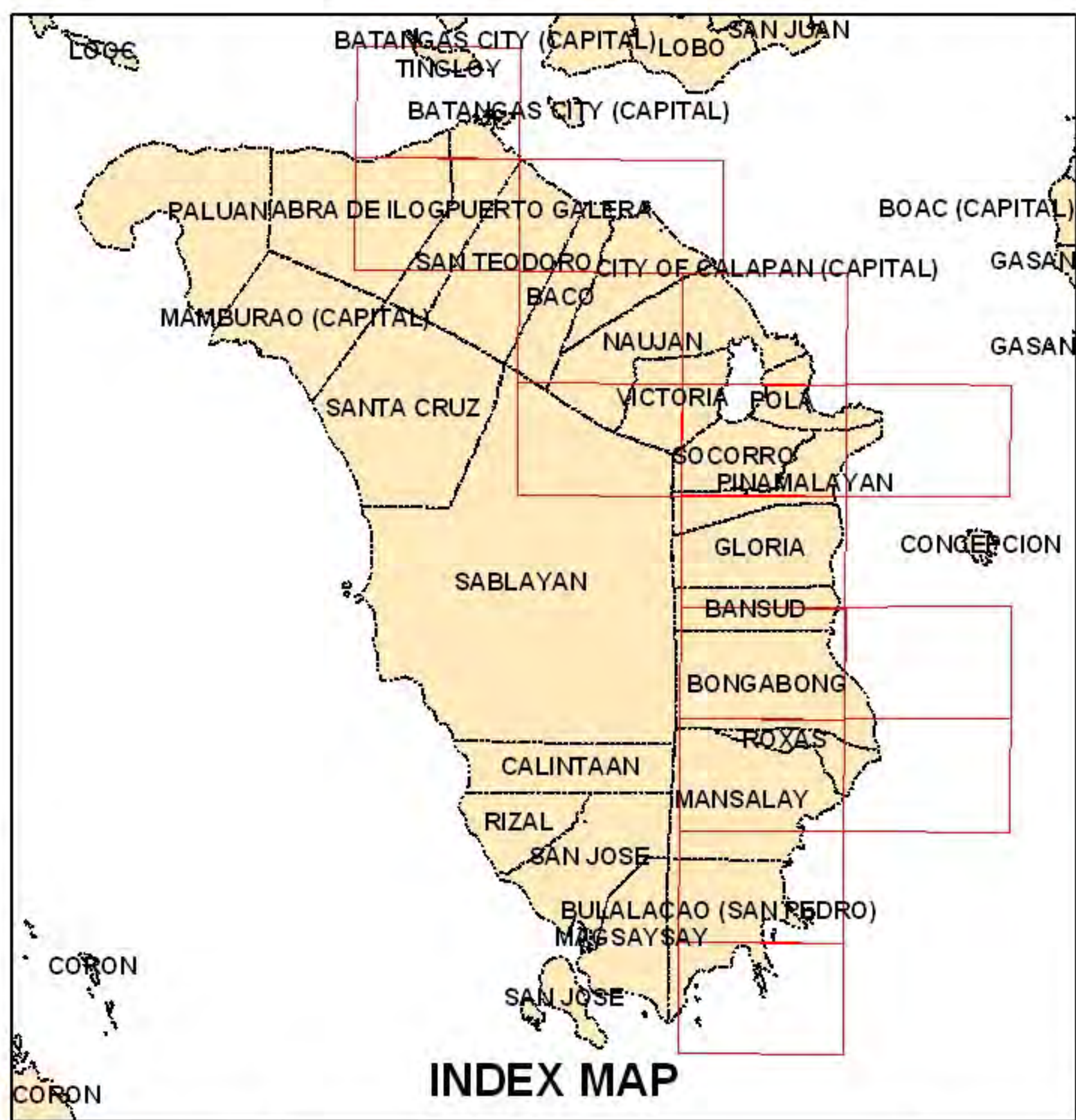
CONTOUR INTERVAL: 100 METERS

10 5 0 10
Kilometers

Geographic Coordinate System
Luzon 1911 Datum

Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
Regional Office No. IV - MIMAROPA
1515 Roxas Blvd., Ermita, Manila

**LANDSLIDE SUSCEPTIBILITY
MAP OF ORIENTAL MINDORO**



FLOOD SUSCEPTIBILITY MAP OF ORIENTAL MINDORO

