

## Inventory Survey of Major Hillside Slope Failures in the Intensive Area

Name of the Slope Failure

Kaayuran Atas

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Survey Date 16-Oct-00

### 1) Location

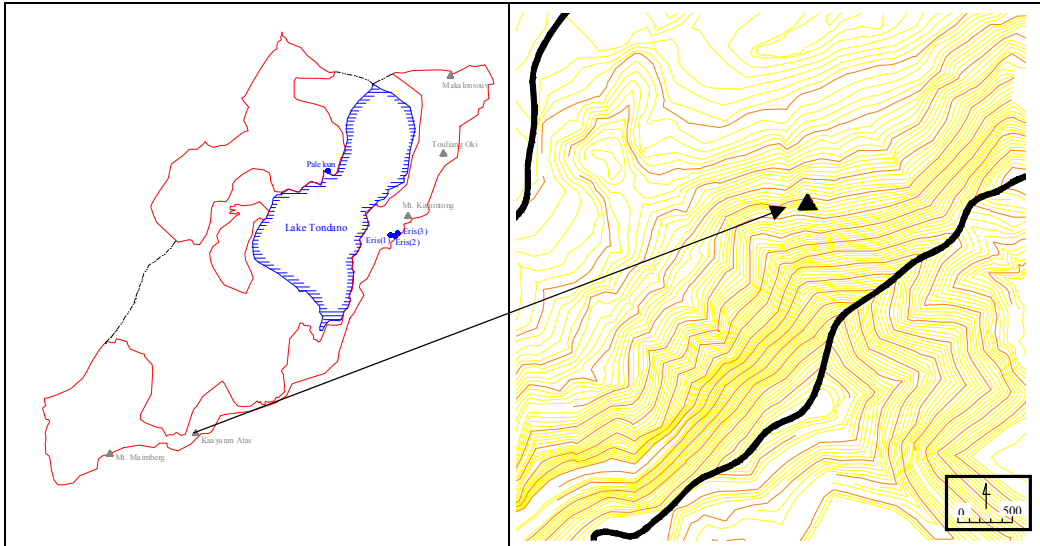
Coordinate

01°07'17" N 124°49'51" E

Place of Slope Failure

Kaayuran Atas, Sub-district Langowan

Plan



### 2) Slope Failure Condition

Height

30 m

Length

10 m

Area

0.030 ha

Estimated Depth

1 m

Estimated Volume

150 m<sup>3</sup>

Elevation

990 m

Slope Gradient

45°

Soil Type

Weathered Tuff Breccia

Shape

Rectangular

Present Land Use

Forest

Applied Zoning

P Zone

Possible cause of the failure

Possibility of slope failure expansion

Low

Possibility of natural rehabilitation

High

View



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Figure H.3.10

Condition of Slope Failure on Hillside  
(Kaayuran Atas)

## Inventory Survey of Major Hillside Slope Failures in the Intensive Area

Name of the Slope Failure

Mt. Kamintong

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Survey Date Nov-00

### 1) Location

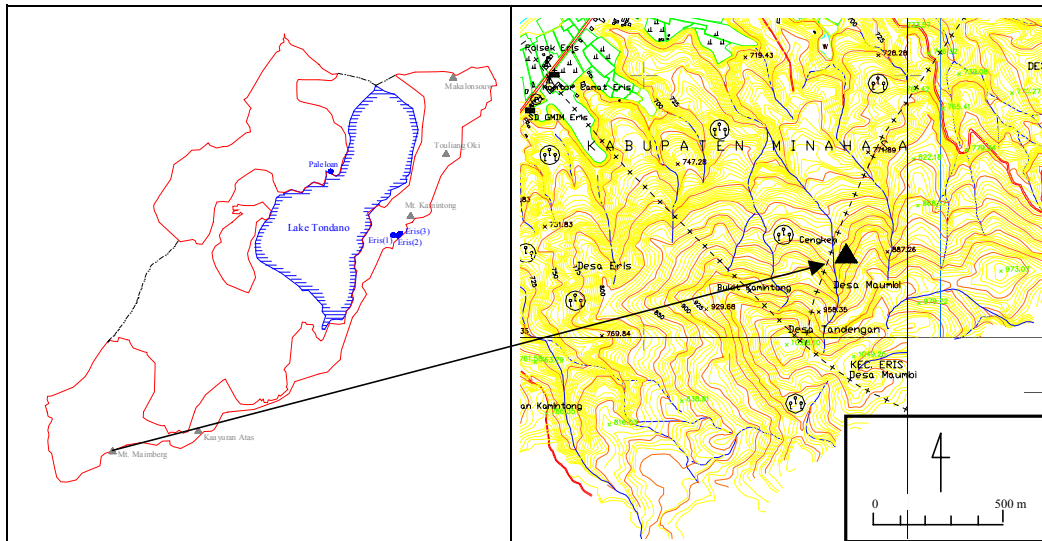
Coordinate

01°13'25" N 124°55'48" E

Place of Slope Failure

Tandengan, Sub-district Eris

Plan



### 2) Slope Failure Condition (2 places)

Height

Place A 20 m

Place B

10 m

Length

25 m

15 m

Area

0.050 ha

0.015 ha

Estimated Depth

1 m

2 m

Estimated Volume

500 m<sup>3</sup>

225 m<sup>3</sup>

Elevation

860 m

860 m

Slope Gradient

49°

49°

Soil Type

Weathered Tuff Breccia

Shape

Forest

Present Land Use

Bm1 Zone

Applied Zoning

Possible cause of the failure

Low

Possibility of slope failure expansion

High

Possibility of natural rehabilitation

View

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Figure H.3.11

Condition of Slope Failure on Hillside  
(Mt. Kamintong)

## Inventory Survey of Major Hillside Slope Failures in the Intensive Area

Name of the Slope Failure

Touliang Oki

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Survey Date 16-Nov-00

### 1) Location

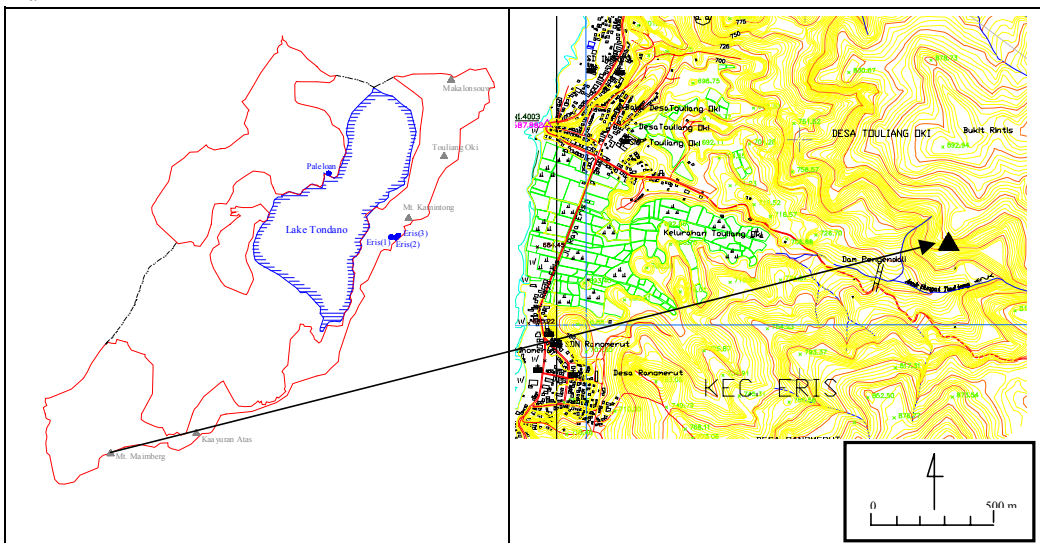
Coordinate

01°14'56" N 124°56'55" E

Place of Slope Failure

Touliang Oki, Sub-district Eris

Plan



### 2) Slope Failure Condition

Height

20 m

Length

30 m

Area

0.060 ha

Estimated Depth

1 m

Estimated Volume

600 m<sup>3</sup>

Elevation

785 m

Slope Gradient

40°

Soil Type

Weatherd Tuff Breccia

Shape

Present Land Use

Clove Estate

Applied Zoning

Bm1 Zone

Possible cause of the failure

Unsuitable Land Use

Possibility of slope failure expansion

Low

Possibility of natural rehabilitation

Low

View



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Figure H.3.12

Condition of Slope Failure on Hillside  
(Touliang Oki)