Inventory Survey of Major Hillside Slope Failures in the Intensive Area

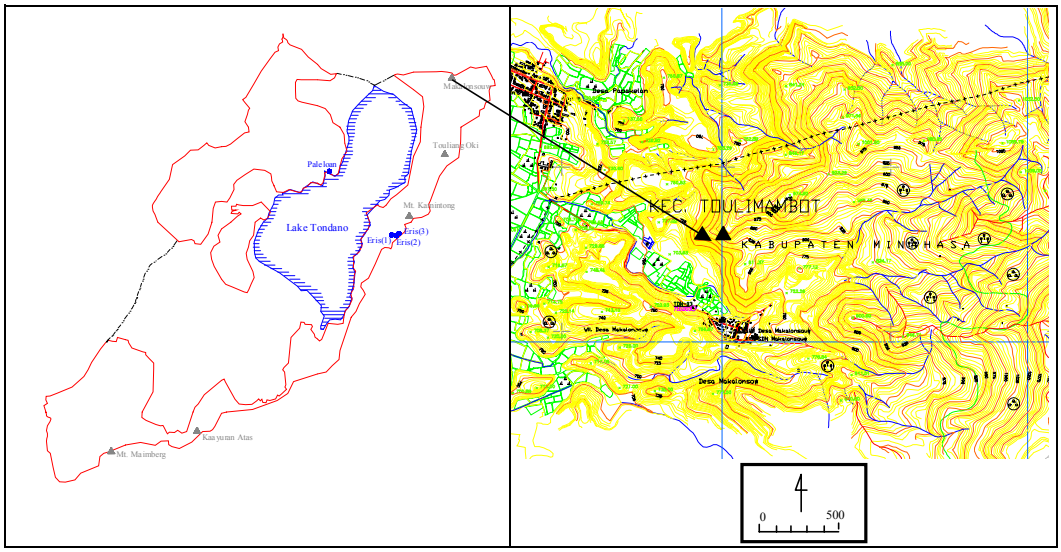
Name of the Slope Failure: Makalonsouw

Survey Date: 15-Nov-00

1)Location

Coordinate	01°17'17" N	124°57'02" E
Place of Slope Failure	Makalonsouw, Sub-district Toulimambot	

Plan

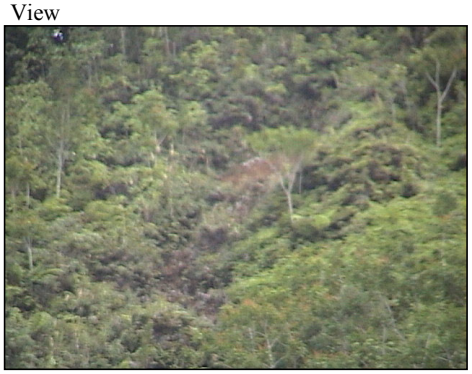


2)Slope Failure Condition

Height	25	m
Length	10	m
Area	0.025	ha
Estimated Depth	1	m
Estimated Volume	250	m^3
Elevation	840	m
Slope Gradient	45	°
Soil Type	Weatherd Tuff	
Shape		
Present Land Use	Forest	
Applied Zoning	Bm1 Zone	

Possible cause of the failure	Natural Failure
Possibility of slope failure expansion	Low
Possibility of natural rehabilitation	High

View



The Study on Critical Land and Protection Forest Rehabilitation at Tondano Watershed in the Republic of Indonesia

Japan International Cooperation Agency

Figure H.3.13

Condition of Slope Failure on Hillside (Makalonsouw)

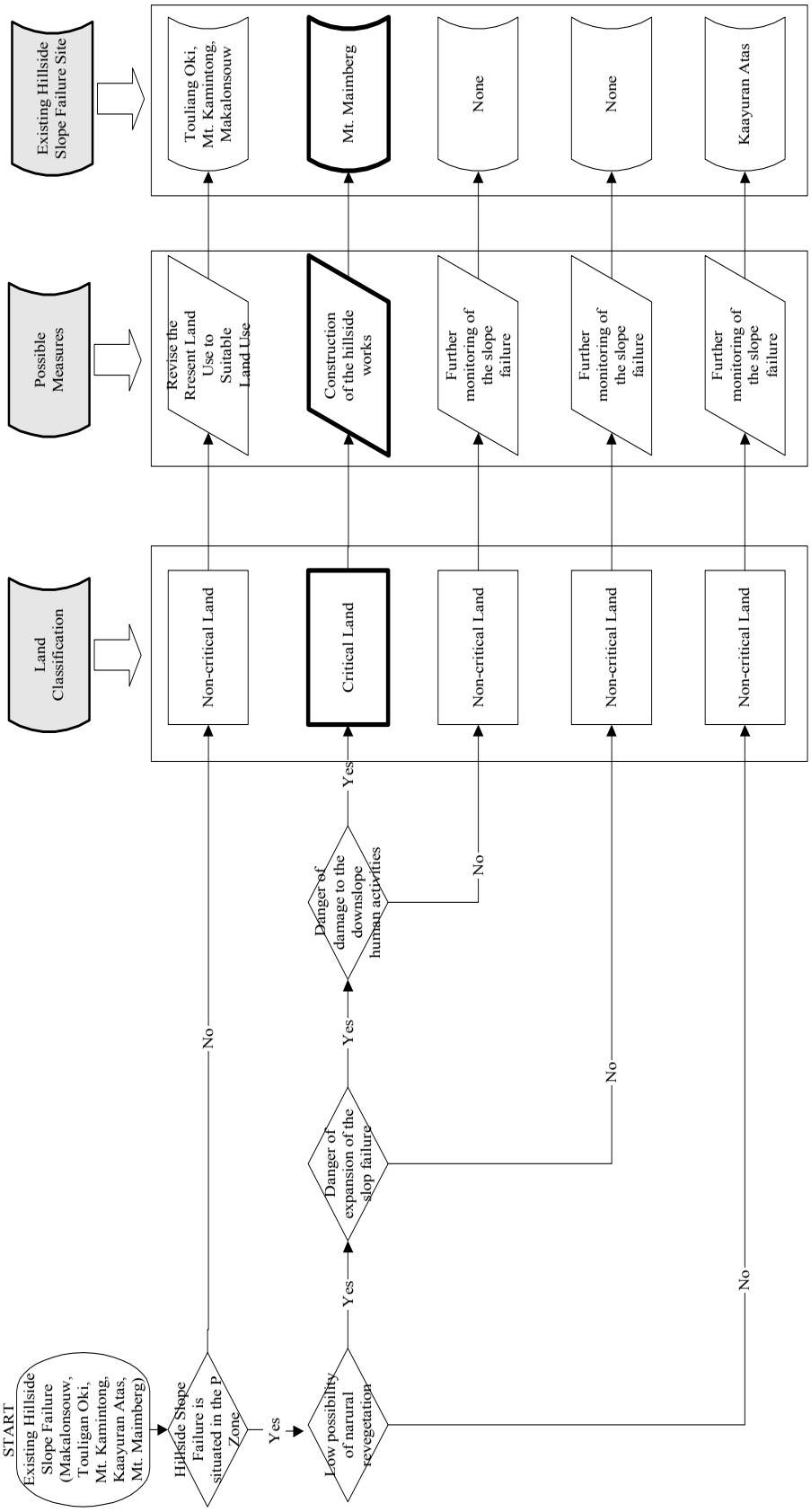


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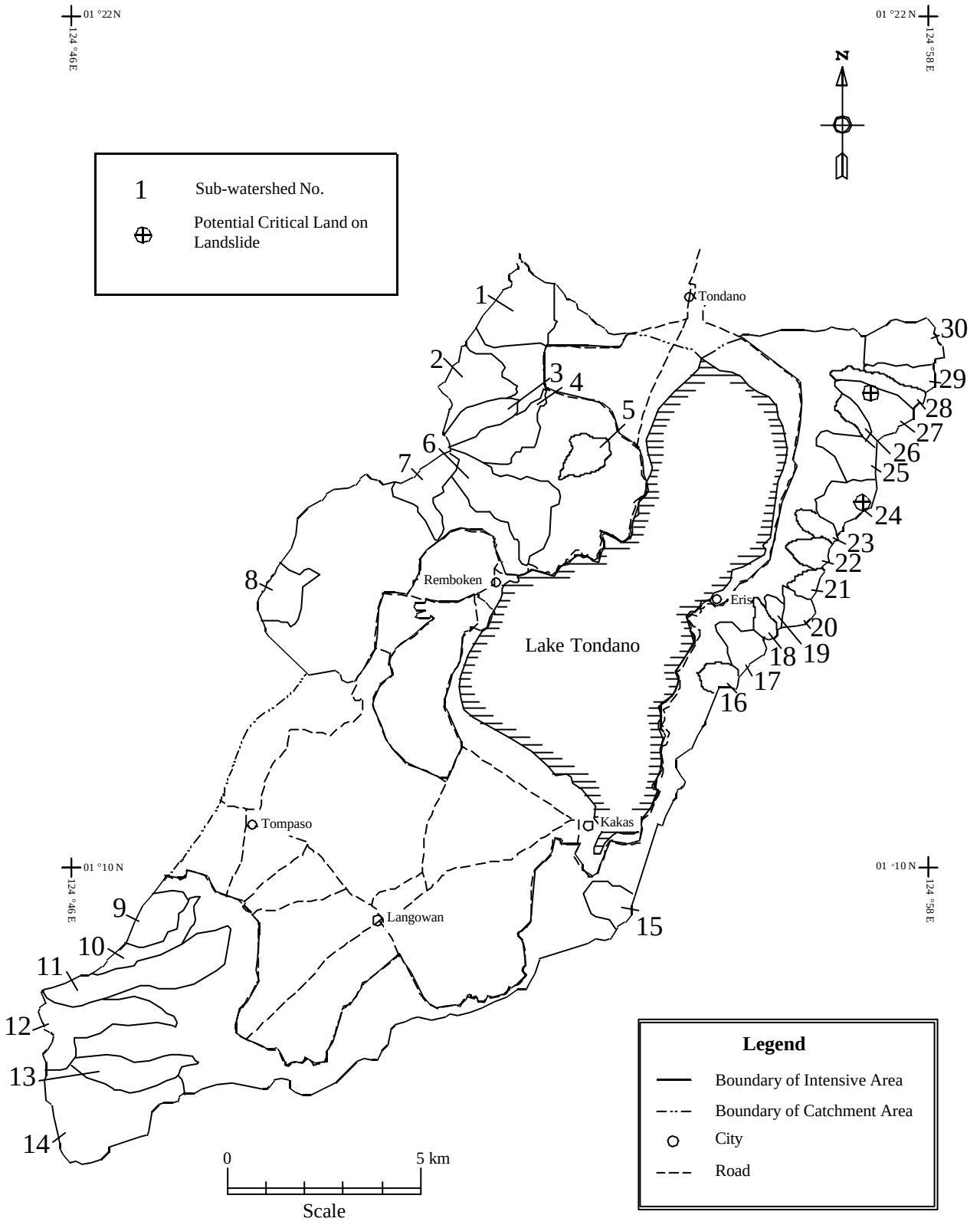
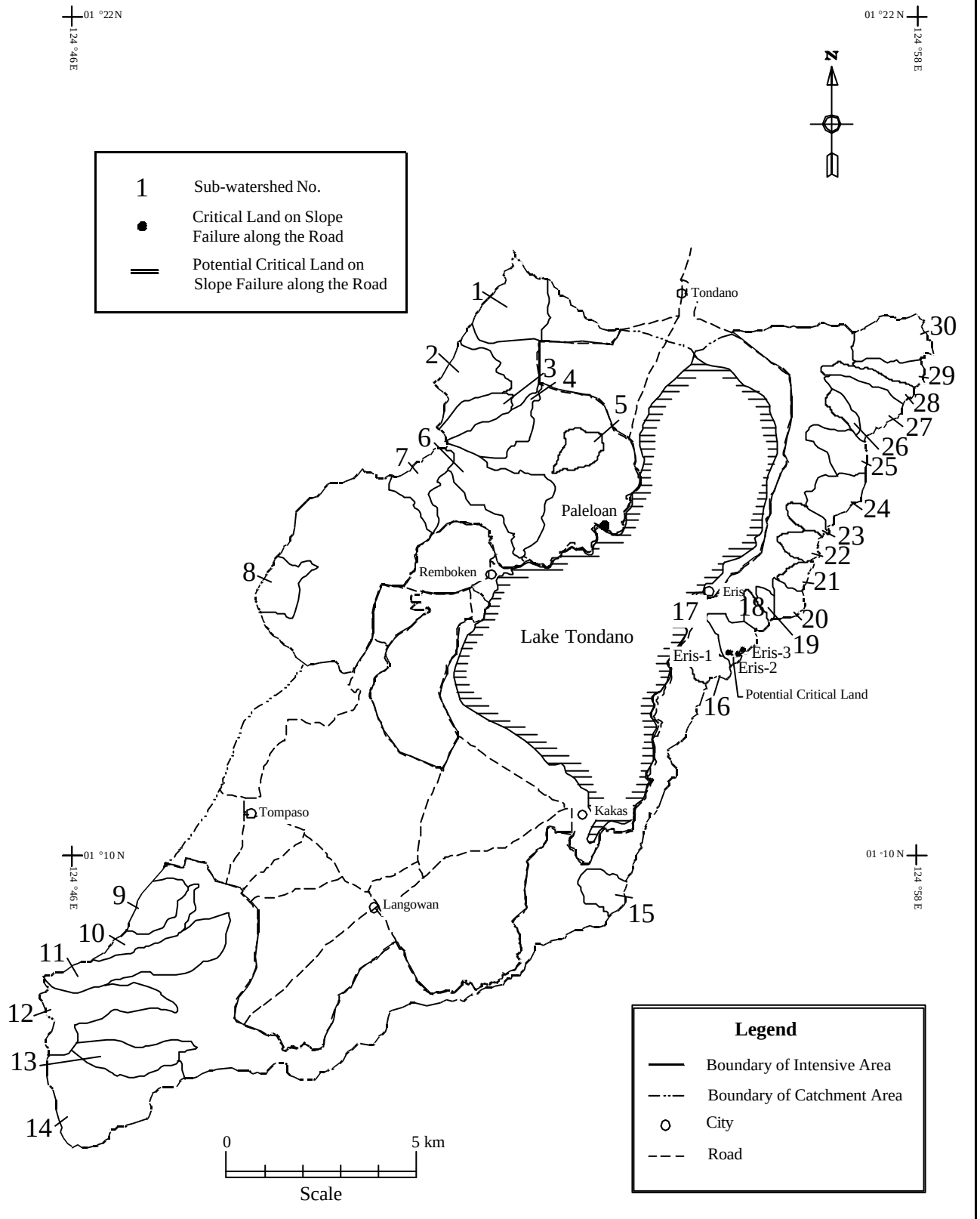
Figure H.3.14

Identification of Critical Land regarding Slope Failure on Hillside



The Study on Critical Land and Protection Forest Rehabilitation at Tondano Watershed in the Republic of Indonesia	**Figure H.3.15**
Japan International Cooperation Agency	**Potential Critical Land regarding Landslide**



The Study on Critical Land and Protection Forest Rehabilitation at Tondano Watershed in the Republic of Indonesia	**Figure H.3.16**
Japan International Cooperation Agency	**Critical Land and Potential Critical Land regarding Slope Failure along the Road**

Inventory Survey of Major Road Cut Slope Failures in the Intensive Area

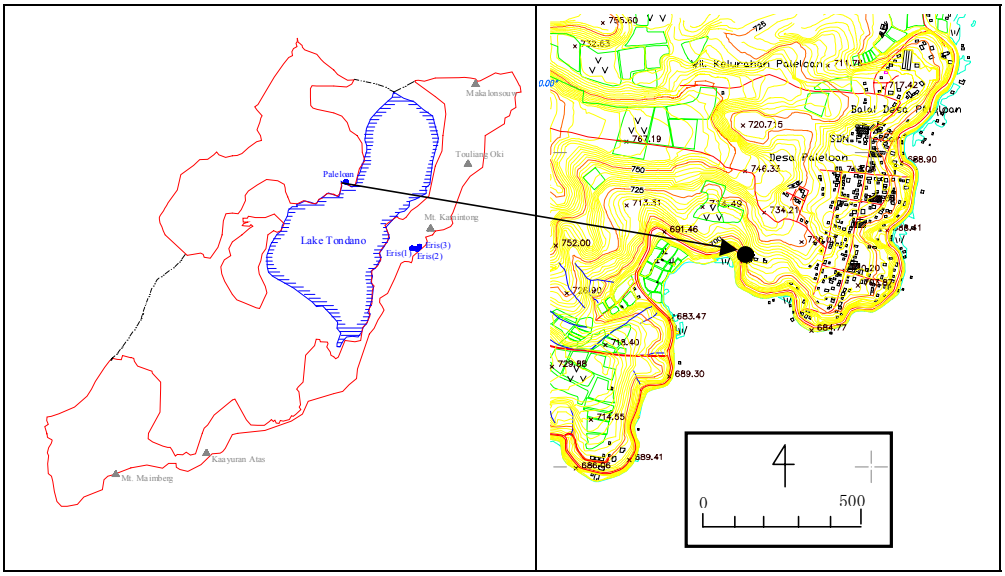
Name of Road Cut Slope Failure: Paleloan — Page 1/1

Survey Date: 12-Oct-00

1)Location

Coordinate	01°14'42" N	124°53'34" E
Name of the Place	Paleloan, Sub-district Remboken	

Plan



2)Slope Failure Condition

Height	4.5	m
Length	10.0	m
Area	0.005	ha
Mean Depth	2.0	m
Estimated Volume	90	m^3
Estimated Original Slope	40	°
Present Land Use	Grassland	
Applied Zone	Bm2 Zone	
Possibility of slope failure expansion	High	
Possibility of natural rehabilitation	Low	

View

The Study on Critical Land and Protection Forest Rehabilitation at Tondano Watershed in the Republic of Indonesia

Japan International Cooperation Agency

Figure H.3.17
Condition of Slope Failure along the Road (Paleloan)