

## Inventory Survey of Check Dams in the Intensive Area

Inventory ID No.

CD - 16

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Survey Date 01-Nov-00

### 1) Location

Name of the Dam

Touliang Oki

Coordinate

01°15'07" N 124°56'36" E

Name of the Location

Touliang Oki, Sub-district Eris

### 2) History

Year of construction

1997/1998

Government agency

Provincial Irrigation Office

### 3) Catchment Area

Sub-watershed No.

24

Name of the Downstream River

Touliang Oki

Catchment area

104 ha

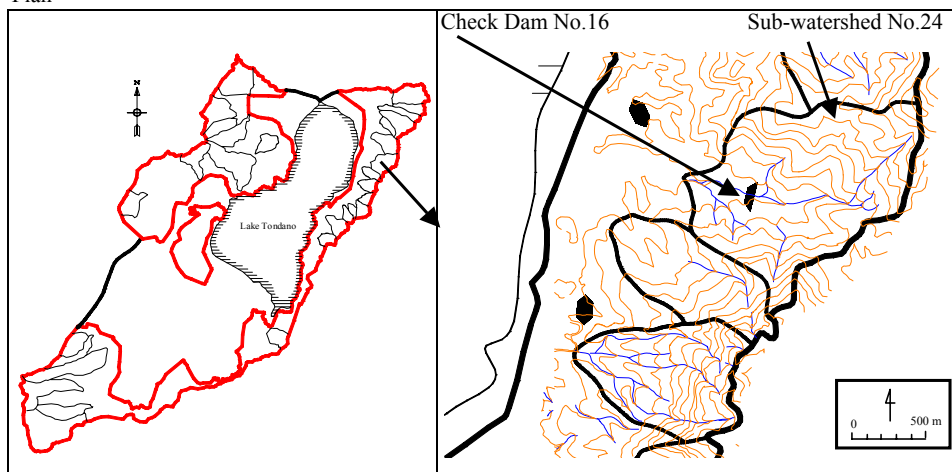
Estimated original river gradient

9 %

Landuse of the upstream

Estate

Plan



### 4) Main-Dam

Dam Type Wet Masonry Gravity Dam

Crest Width

3.0 m

Crest Length

80.0 m

Spillway Length

20.0 m

Crest Height

5.0 m

Spillway Height

1.5 m

View of Main-Dam



Condition

Good.

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

Japan International Cooperation Agency

Figure HAT3.17

Inventory Survey of Existing Check Dam (CD-16) (1/2)

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### 5) Sub-Dam

Dam Type	Wet Masonry Gravity Dam		Crest Width	2.0	m
Crest Length	60.0	m	Spillway Length	20.0	m
Crest Height	2.0	m	Spillway Height	1.5	m

View of Sub-Dam



Condition

Good.

### 6) Side-wall Protection

Material Gabion

View of Side-wall Protection



Condition

Good.

### 7) Water Supply

Purpose of Water Supply	None
Present Land Use of the Downstream	Forest
Condition of Irrigation Facilities	None

### 8) Sedimentation

Status of Sediment Control	Functioning	
Deposition Gradient	N/A	%
Sedimentation Yield	N/A	m <sup>3</sup>
	N/A	m <sup>3</sup> /ha/year

### 9) Dam Lake

General View of Dam Lake



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**Figure HAT3.17**

**Inventory Survey of Existing Check Dam  
(CD-16) (2/2)**