

## Inventory Survey of Check Dams in the Intensive Area

Inventory ID No.

CD - 7

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Survey Date **07-Nov-00**

### 1) Location

Name of the Dam

**Pulutan**

Coordinate

**01°13'11"**

N

**124°50'09"**

E

Name of the Location

**Pulutan, Sub-district Remboken**

### 2) History

Year of construction

**1995/1996**

Government agency

**District Forest Service**

### 3) Catchment Area

Sub-watershed No.

-

Name of the Downstream River

-

Catchment area

**13** ha

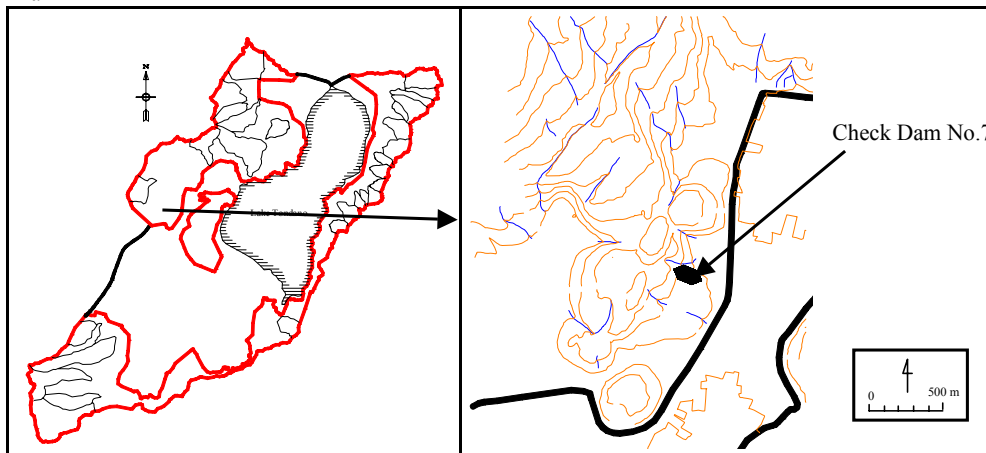
Estimated original river gradient

**3** %

Landuse of the upstream

**Forest**

Plan



### 4) Dam Body

Dam Type

**Earth Fill Dam**

Crest Length

**44.0** m

D/S Slope

**1:2.5**

Crest Width

**3.5** m

Dam Height

**6.0** m

Note :

D/S = Downstream

General View



Condition

Good.

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

Japan International Cooperation Agency

**Figure HAT3.8**

**Inventory Survey of Existing Check Dam  
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### 5) Spillway

Spillway Bed Width 2.0 m  
Spillway Height 1.5 m

Material Concrete

View of spillway



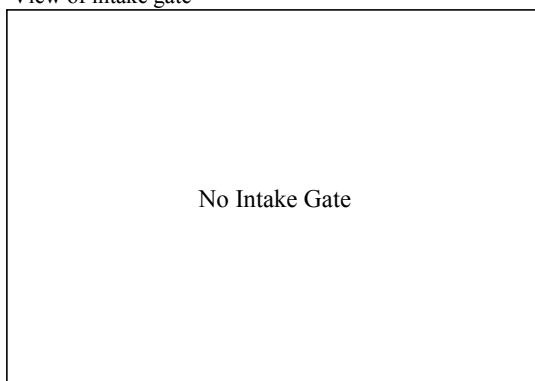
Condition

Spillway dimension is different from its original design.

### 6) Intake Gate

Type -

View of intake gate



Condition

### 7) Water Supply

Intention for Water Supply No  
Purpose of Water Supply -  
Present Land Use of the Downstream Forest  
Condition of Irrigation Facilities -

### 8) Sedimentation

Status of Sediment Control Functioning  
Deposition Gradient 3.0 %  
Sedimentation Yield 1,000 m<sup>3</sup>  
16 ton/ha/year

Assumed Apparent-specific Gravity of Soil = 1.3 ton/m<sup>3</sup>

### 9) Dam Lake

General View of Dam Lake →



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Figure HAT3.8

Inventory Survey of Existing Check Dam  
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