

Inventory Survey of Check Dams in the Intensive Area

Inventory ID No.

CD - 15

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Survey Date **31-Oct-00**

1) Location

Name of the Dam

Ranomerut

Coordinate

01°14'41" N

E

124°56'01" E

Ranomerut, Sub-district Eris

2) History

Year of construction

1983/1984

Government agency

BRLKT

3) Catchment Area

Sub-watershed No.

-

Name of the Downstream River

-

Catchment area

13 ha

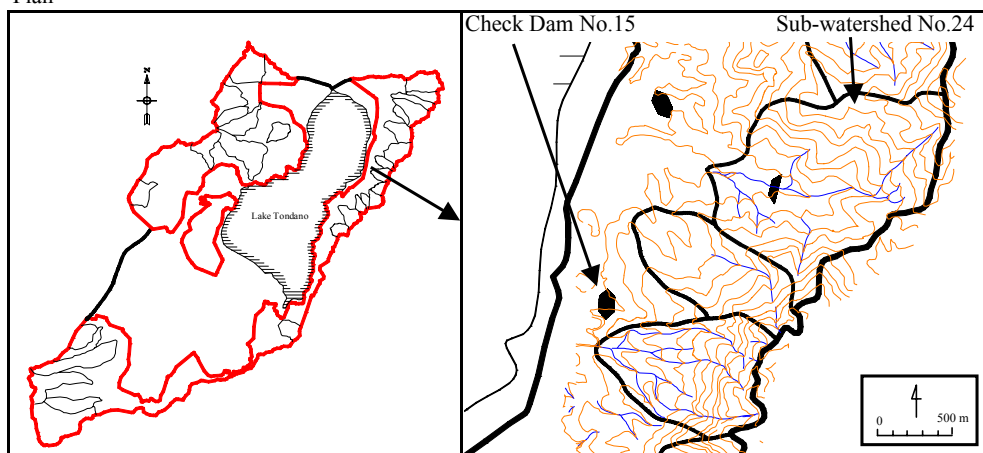
Estimated original river gradient

6.2 %

Landuse of the upstream

Estate

Plan



4) Dam Body

Dam Type

Earth Fill Dam

Crest Length

35.0 m

Dam Pengendali

Crest Width

6.0 m

D/S Slope

1:2.5

Dam Height

3.0 m

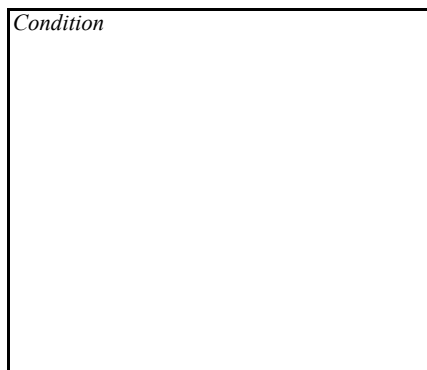
Note :

D/S = Downstream

View from upstream



Condition



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

Japan International Cooperation Agency

Figure HAT3.16

**Inventory Survey of Existing Check Dam
(CD-15) (1/2)**

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5) Spillway

Spillway Bed Width **3.5** m
Spillway Height **1.0** m

Material **Wet Masonry**

View of spillway



Condition

6) Intake Gate

Type **Sluice Gate**

View of intake gate



Condition

7) Water Supply

Intention for Water Supply
Purpose of Water Supply
Present Land Use of the Downstream
Condition of Irrigation Facilities

Yes
Irrigation
Paddy
Bad

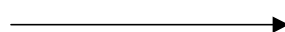
8) Sedimentation

Status of Sediment Control
Deposition Gradient
Sedimentation Yield

Functioning
N/A %
N/A m³
N/A ton/ha/year

9) Dam Lake

General View of Dam Lake



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Figure HAT3.16

**Inventory Survey of Existing Check Dam
(CD-15) (2/2)**