

# Lower Jeneberang River Urgent Flood Control Project



Jongaya Drainage Canal

## Outline of Loan Agreement

Loan Amount/ Loan Disbursed Amount	¥5,381 million / ¥5,033 million
Loan Agreement	February 1985
Terms and Conditions	Interest rate: 3.5%, Repayment period: 30 years (grace period: 10 years)
Final Disbursement Date	December 1993

## Project Profile

The project was aimed to protect a flood basin area of 60.5km<sup>2</sup>, including Makassar city, from flood damage by improving Jeneberang River, which flows through south Sulawesi Province, to cope with floods probability of a ten year frequency as well as facilities in the drainage system inside the provincial capital, Makassar to cope with floods probability of a five year frequency.

## Results and Evaluation

Efforts had been made to gather data over time on the quantitative flood control effects of the project, such as maximum flood flow volume and height, but the evaluation study was unable to obtain array of information. Therefore a survey of 100 households of residents of the beneficiary area was conducted. The survey found that grave damage such as loss of life and basic assets had reduced, and the project was effective in reducing flooding.

The river embankments and bank protection were in good condition, with no notable problems. The main drainage canals suffered from sedimentation of sludge and garbage, which risks degrading their flow capacity. The Makassar municipal authorities need to take the lead in considering various improvement measures, including a public cleaning system and resident participation (campaigns against garbage dumping etc.).