

**JAPAN INTERNATIONAL COOPERATION AGENCY
THE GOVERNMENT OF THE REPUBLIC OF INDONESIA**

**THE STUDY ON FLOOD CONTROL AND WATER MANAGEMENT
IN
LIMBOTO-BOLANGO-BONE BASIN
IN THE REPUBLIC OF INDONESIA**

FINAL REPORT

VOLUME-II MAIN REPORT

DECEMBER 2002

NIKKEN CONSULTANTS, INC.
AND
NIPPON KOEI CO., LTD.

**THE STUDY ON FLOOD CONTROL AND WATER MANAGEMENT
IN
LIMBOTO-BOLANGO-BONE BASIN**

FINAL REPORT

LIST OF REPORTS

- VOLUME-I SUMMARY**
- VOLUME-II MAIN REPORT**
- VOLUME-III SUPPORTING REPORT: PART-A
EXISTING CONDITIONS**
- VOLUME-IV SUPPORTING REPORT: PART-B
FLOOD MITIGATION MASTER PLAN**
- VOLUME-V SUPPORTING REPORT: PART-C
FEASIBILITY STUDY FOR PRIOROTY PROJECTS**
- VOLUME-VI SUPPORTING REPORT: PART-D
EXECUTION OF STUDY**
- VOLUME-VII DATA BOOK**
- VOLUME-VIII DRAWINGS**

The costs are estimated based on the price and average exchange rate in November 2001. The average exchange rate is assumed as follows:

US\$ 1.00 = Rp.9,600

¥ 1 = Rp.77.4

PREFACE

In response to a request from the Government of the Republic of Indonesia, the Government of Japan decided to conduct the Study on Flood Control and Water Management in Limboto-Bolango-Bone Basin in the Republic of Indonesia and entrusted to study to the Japan International Cooperation Agency (JICA).

JICA selected and dispatched a study team headed by Mr. Noboru JITSUHIRO of NIKKEN Consultants, Inc. (consisting of NIKKEN Consultants, Inc. and NIPPON KOEI Co, LTD.) to Indonesia, twice between June 2001 and December 2002.

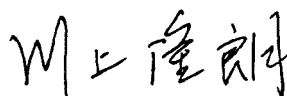
In addition, JICA set up an advisory committee headed by Mr. Katsuhiko INOUE, Senior Councilor of Japan Water Resources Association between June 2001 and December 2002, which examined the Study from technical points of view.

The team held discussions with the officials concerned of the Government of the Republic of Indonesia and conducted field surveys at the study area. Upon returning to Japan, the team conducted further studies and prepared this final report.

I hope that this report will contribute to the promotion of this project and to the enhancement of friendly relationship between our two countries.

Finally, I wish to express my sincere appreciation to the officials concerned of the Government of the Republic of Indonesia for their close cooperation extended to the Study.

December 2002



Takao Kawakami

President
Japan International Cooperation Agency

December 2002

Mr. Takao Kawakami
President
Japan International Cooperation Agency (JICA)
Tokyo, Japan

LETTER OF TRANSMITTAL

It is with great pleasure that we submit to you the Final Report of the Study on Flood Control and Water Management in Limboto-Bolango-Bone Basin in the Republic of Indonesia.

The Study has been made to formulate a flood mitigation master plan in Limboto-Bolango-Bone basin and to conduct a feasibility study on the priority projects. This Report includes all the study results and consists of Summary, Main Report, Supporting Report, Data Book and Drawings.

We hope that this Report will be helpful for the enhancement of people's livelihood in the flood prone areas and for the economic development of the new-born Gorontalo Province.

We wish to express our deep appreciation and gratitude to the personnel concerned of your Agency, JICA Indonesia Office, the Embassy of Japan in Indonesia, Ministry of Settlement and Regional Infrastructure and other authorities concerned of the Government of Republic of Indonesia for the courtesies and cooperation extended to us during our Study.

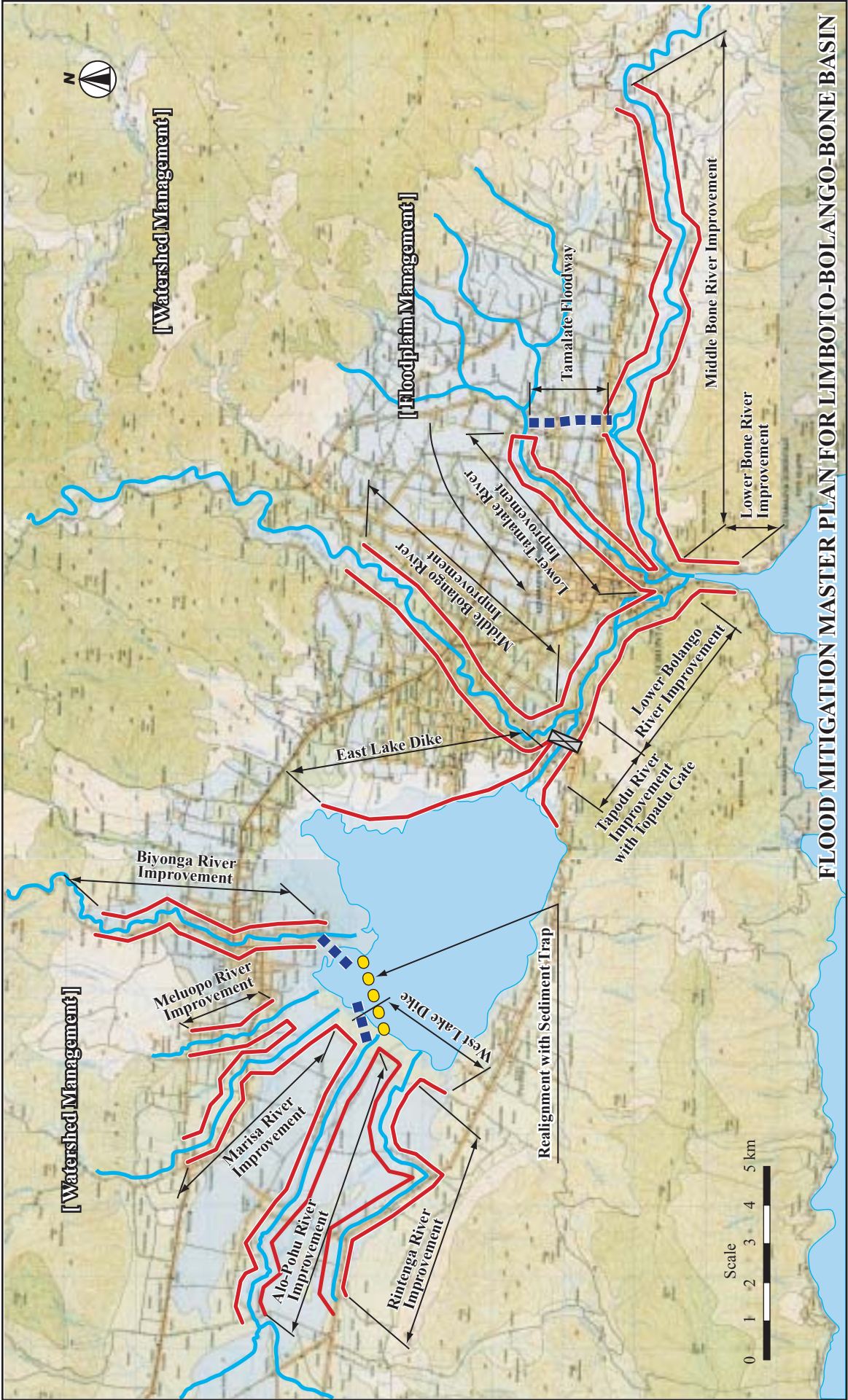
Very truly yours,



Noboru JITSUHIRO

Team Leader
for the Study on Flood Control
and Water Management
in Limboto-Bolango-Bone Basin
in the Republic of Indonesia





FLOOD MITIGATION MASTER PLAN FOR LIMBOTO-BOLANGO-BONE BASIN



PRIORITY PROJECT IN LIMBOTO-BOLANGO-BONE BASIN