

## CHAPTER 5

### RELATED PROJECTS AND PROGRAMS

#### 5.1 Related Projects and Programs

The present conditions and issues to be solved in the Musi River Basin were discussed under the Chapters 3 and 4. In this chapter, discussion has been made on what kind of projects and programs have already been implemented, ongoing, or scheduled against the issues identified. The results have been referred to the formulation of the comprehensive water management plan.

**Table 5.1.1** lists up major projects and programs in relation to the present comprehensive water management in the Musi River Basin.

#### 5.2 Overall Evaluation

Status of these projects and programs in the each sector have been discussed in the previous chapters, thus overall evaluation has been conducted as follows: Attention has been paid what has been conducted already and what is needed in the future.

Conducted Already	Needed in the Future
<ul style="list-style-type: none"> <li>• Projects/programs were conducted for individual locations and sectors</li> <li>• Various projects for irrigation and swamp development have been implemented</li> <li>• Symptomatic measures are effectively conducted, e.g. river channel maintenance with APBN/APBD, river channel dredging for navigation.</li> <li>• Environmental conservation and improvement projects are limited.</li> <li>• Basic data are not accumulated for the use of planning.</li> <li>• Programs for the implementation of reform proposed by WATSAP has been conducted (IWIRIP). It shall be continued by WISMP.</li> </ul>	<ul style="list-style-type: none"> <li>• Programs for whole basin and for multi-sector are needed.</li> <li>• Management of spatial irrigation and swamp development in view of land and water resources availability is needed.</li> <li>• Necessity of watershed management for fundamental solution of various basin's problems.</li> <li>• There is a necessity of paying much attention to environmental improvement.</li> <li>• Monitoring of data and information is needed for the management.</li> <li>• Continuous effort of institutional improvement in line with the direction of WATSAP and New Government Regulation on Water Resources are needed.</li> </ul>

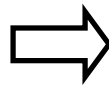


Table 5.1.1 Related Projects and Programs

Projects & Programs	93	94	95	96	97	98	99	00	01	02	03	04	05	Note
<b>Water Use</b>														
Komerang Irrigation Project F/S (JICA) Stage I Imple. Stage II Phase 1 Imple				←										-Stage I: 20,968ha developed -Stage II Phase 1: 25,589ha developed -Stage II Phase 2: 16,500ha under request to JBIC -Stage III: 57,600ha of development has no concrete plan
Lakitan Irrigation											.....→			-A sub-project of Project Type Sector Loan for Water Resources (II) -Potential irrigation area: 13,950ha -First Step: 2003-06: 6,000ha, -Second Step: 2006-: 7,950ha
Kelingi Irrigation Project														(completed) -Started in 1937
Air Musi Temedak Irrigation Project														(scheduled) -Total Irrigation area of 5,000ha -2,000ha in Bengkulu Province, 3,000ha in Lahat
APBN Project: Irrigation and Mainstay Swamp of South Sumatra											.....→			-A project by Dinas PUP using national budget
APBD Irrigation Projects											.....→			-Projects by regional budget for program repairs and rehabilitation of irrigation and swamp network, etc.
Karang Agung I & II (WB) <Swamp>														(completed) -I: M/P, F/S: 20,000ha, D/D: 9,000ha -II: F/S: 30,000ha, D/D: 9,000ha
Telan Saleh Integrated Irrigation Sector Project (ADB) <Swamp>				←										-One of four core projects in IISP-1 -Gross project area: 60,000ha -Existing swamp development schemes of Telang I: 26,680ha, Telang II: 13,800ha, Saleh: 19,090ha -Intensive rehabili. and institutional support on 10,000ha pilot study area
Pulau Rimau and Air Sugihan, South Sumatra Swamp Improvement Project (SSSIP) (JBIC)				←										-Gross Project Area: 40,700ha -Existing swamp development of Pulau Rimau: 22,600ha -Existing swamp development of Air Sg. Kiri: 18,100ha
P3AB: Clean Water Supply and Management Project of South Sumatra Province (APBD)														-Water supply infrastructure development until 1998
P2SP: Project for Development of Infrastructure & Facilities in Living Area (APBD)														-Projects from 1997
Musi Hydroelectric Power Project (ADB Power XXIII Project)													2006	-70MWx3=210MW -Divert water of 898 million m <sup>3</sup> /year outside of the Musi Basin
River Channel Maintenance Dredging for River Navigation														-by ADPEL
Project for Strengthening of Water System Maintenance in Karang Anyar														-Tourism development
<b>Environment</b>														
ICDP: Integrated Conservation and Development Project of Kerinci Selahat National Park (WB)														
Clean River Project (BAPEDALDA: Germany Fund)														
<b>Flood Protection</b>														
Bogor and Palembang Urban Development Project (ADB Loan 1111-)														-Urban infrastructure (incl. Drainage) development implementation
Sumatra Urban Development Sector Project (ADB Loan 1383-INO)														-Urban infrastructure development, suspended Jun. 2002
Flood Control & Coastal Protection Project (APBN)														.....→
<b>Institution</b>														
Capacity Building Project in the Water Resources Sector (CBPWRS) (ADB Loan 1339-INO)														-Approved Dec. 94
Water Resources Sector Adjustment Loan (WB Loan 4469-IND)														-Approved May 99, Loan extended to Jun. 2003
IWIRIP: Indonesian Water Resources and Irrigation Reform Implementation Program														
WISMP: Water Resources and Irrigation Sector Management Program														-to be implemented for 2004-2014
Participatory Irrigation Sector Project (ADB)														-to be implemented for 7 years in eight provinces (South Sumatra Province is not included)
<b>Development Plans</b>														
Musi River Basin Study (EU)														(completed in 1989)
The Study on the Integrated Regional Development Plan for the Southern Part of Sumatra (JICA)														
PDAM Corporate Plan														5-year management plan of each PDAM