

**JOB PROGRESS REPORT
DEVELOPMENT PROJECT SEGMENT**

STATE: Territory of Guam

PROJECT NO.: F-2-D
SEGMENT: 10

JOB TITLE: Masso Reservoir Restoration (2322)

PERIOD COVERED: October 1, 1998 to September 30, 1999

SUMMARY

The Guam Land Use Commission has approved the Wetland permit for the Masso Reservoir restoration project. In addition, the 401 Water Quality Certification was granted by the Guam Environmental Protection Agency (GEPA). Two acres of *Acacia* sp. trees have been planted on the adjacent Government of Guam property.

BACKGROUND

The project will enhance sport fishing opportunities and/or protect the freshwater finfish resources at Masso Reservoir. The history and status of the Masso Reservoir Project was outlined in previous job progress reports (Kruckenberg 1993 – 1998). The project involves dredging of the reservoir, rehabilitation of the water control gate structure, construction of a cofferdam, development of the area for public access and shoreline fishing.

OBJECTIVE

To provide a public access freshwater fishing facility at Masso Reservoir.

RESULTS

During FY99, the Guam Land Use Commission approved the Wetland Permit for this project. Later, the Section 401 Water Quality Certification was granted by the GEPA. In addition, a Wildlife Habitat Incentives Program reforestation project (10.9 acres) on the adjacent Government of Guam land was initiated with the cooperation of the Forestry Division at Department of Agriculture and the USDA-Natural Resources Conservation Service. During FY99, two acres of *Acacia* sp. were planted. Four more acres of *Acacia* sp. along with four acres of native trees will be planted during FY2000. Maintenance of the trees has been scheduled for FY 2001-2002. All federal/local permits have been completed for this project.

RECOMMENDATIONS

This program has valuable freshwater fishing potential for Guam while providing a safety factor and enhancing fishing opportunities. It is recommended that this job continue to develop a freshwater reservoir on Guam for sport fishing. The projected cost of the project will be around \$1,300,000. The project will be phased with the cofferdam constructed first due to environmental considerations for the endangered common moorhen using the reservoir. During the second phase, the reservoir will be dredged and the reservoir made fishable. The third phase would be to complete the project based on available funding. The project construction will depend on the selected company, bid prices, available funding and governmental regulations. It is recommended that a management company be selected to

insure the construction company follows standard engineering codes and construction plans accurately.

PROGRAM COSTS

The estimated cost of the Masso Reservoir restoration project was \$14,067.

Report prepared by: Wayne Kruckenberg