

**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, 1999 to September 30, 2000

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 trees (*Acacia* sp.) have been planted on the adjacent Government of Guam property. Seeds of native species were collected to plant 4 additional acres in the watershed.

BACKGROUND

The project will enhance recreational sportfishing opportunities in Masso Reservoir. The history and status of the Masso Reservoir Project was outlined in previous job progress reports (Kruckenberg 1993 – 1999). The project involves dredging of the reservoir, rehabilitation of the water control gate structure, construction of a cofferdam, and development of the area for public access and shoreline fishing.

OBJECTIVE

To provide an easily accessible freshwater fishing facility at Masso Reservoir

RESULTS

During FY99, the Guam Land Use Commission approved the Wetland Permit for this project. Also, the Section 401 Water Quality Certification was granted by the Guam Environmental Protection Agency. 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 (NRCS). This project will help to improve and maintain water quality in the watershed. During FY99, two acres of *Acacia* sp. were planted. During FY00, the project was modified by Forestry and NRCS. Seeds for native tree species were collected for use in planting 4 acres

during the growing season of FY01. Maintenance of the trees has been scheduled for FY01 and FY02.

RECOMMENDATIONS

This project will provide a valuable freshwater fishing opportunity for the people of Guam. Because the projected cost of the project is approximately \$1,300,000, it will be completed in phases. The cofferdam should be 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 will complete the project. The project construction will depend on the selected company, bid prices, available funding and governmental regulations.

A management company should be selected to insure that the construction company follows standard engineering codes and construction plans accurately. All federal and local permits have been completed for this project, however, the Army Corps of Engineers Wetland Permit will expire in 5 years. It is recommended that this project continue based on available funding, with a goal of completing the first 2 phases within the next 4 years.

PROGRAM COST: \$0.

This report was prepared by: Trina J. Leberer, Fisheries Biologist III.