

**JOB PROGRESS REPORT  
RESEARCH PROJECT SEGMENT**

**STATE:** Territory of Guam

**PROJECT NO.:** F-1R-9  
**SUB-PROJECT NO.:** F-1  
**STUDY NO.:** 1  
**JOB NO.:** 2

**STUDY:** Fisheries Participation, Effort, and Harvest Surveys (2430)

**JOB TITLE:** Inshore Fisheries Survey

**PERIOD COVERED:** October 1, 2000 to September 30, 2001

**OBJECTIVE**

To perform 192 surveys over a one year period along the coastline of Guam to obtain information on fishermen participation, catch per unit of effort, and species composition.

**RESULTS**

**Inshore Survey**

A total of 192 inshore creel and participation surveys were conducted along Guam's shoreline from October 2000 through September 2001.

Expansion results for FY/01 were not completed to date due to several circumstances: 1) transfer of archival to present inshore data from the Mac-based 4<sup>th</sup>-Dimension to the PC-based Foxpro expansion program (NMFS Honolulu Lab); and 2) development of the new expansion algorithms by the NMFS Honolulu Lab (courtesy of D. Hamm and P. Tao).

Data summaries will be published in the FY/01 DAWR Annual Report.

**Aerial Survey**

A total of 21 aerial surveys were conducted during FY/01 to obtain information on fishermen participation in locations outside of the designated participation route around Guam. Three surveys (2 weekend/1 weekday) were cancelled during the fiscal year, due to the combination of poor weather, pilot unavailability, and airport closure (following the 9/11/01 attacks on the U.S.).

**PROJECT COST:** \$97,011

Report prepared by: Todd J. Pitlik

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**PROJECT NO.:** F-1R-9  
**SUB-PROJECT NO.:** F-1  
**STUDY NO.:** 4  
**JOB NO.:** 1

**STUDY:** Fisheries Management Unit Studies

**JOB TITLE:** Abandoned Gill Net Removal / Study

**PERIOD COVERED:** October 1, 2000 to September 30, 2001

**OBJECTIVE**

To conduct a study on the impacts of abandoned gill nets on sportfish resources and assess the need for regulation.

**RESULTS**

The gill net removal/study documented a number of abandoned gill nets collected from local shorelines, reef flats, and channels. Twenty-eight abandoned gill nets, totaling approximately 3200 feet in length, were retrieved in FY/01.

A number of marine organisms and corals were identified and measured from retrieved nets, for a total of 35 fish and invertebrates (estimated 3.553 kg). No corals were indicated as damaged, but 4 colonies from one species of coral were snagged on a 500-foot long net. One marine fish was released alive and identified as a cigar wrasse, *Cheilio inermis* (estimated 46 grams).

A large number of abandoned gill nets were retrieved by fishermen (per com fisher interviews), but the actual number is unknown. Most fishermen are concerned about the damaging effects of "ghost netting" and are open minded to new laws that would restrict their use. Certain senators in the Guam Legislature have promised DAWR the opportunity to remove existing gill net regulations and rewrite new laws that would limit the sizes and types of nets to be used in the future.

**PROJECT COST:** \$9,450

Report prepared by: Todd J. Pitlik

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**STATE:** Territory of Guam

**PROJECT NO.:** F-1R-9  
**SUB-PROJECT NO.:** F-1  
**STUDY NO.:** 4  
**JOB NO.:** 2

**STUDY:** Fisheries Management Unit Studies

**JOB TITLE:** SCUBA Spearfishing Study

**PERIOD COVERED:** October 1, 2000 to September 30, 2001

**OBJECTIVE**

To analyze existing DAWR archival data in order to evaluate the impact of SCUBA spearfishing on sportfish stocks.

**RESULTS**

This study was inactive in FY/01, due to a shortage of available personnel.

**PROJECT COST:** \$0

Report prepared by: Todd J. Pitlik

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**STATE:** Territory of Guam

**PROJECT NO.:** F-1R-9  
**SUB-PROJECT NO.:** F-1  
**STUDY NO.:** 4  
**JOB NO.:** 3

**STUDY:** Fisheries Management Unit Studies

**JOB TITLE:** Personal Watercraft Impact Study

**PERIOD COVERED:** October 1, 2000 to September 30, 2001

**OBJECTIVE**

To conduct a study on the impacts of personal watercraft on sportfish resources and assess the need for regulation.

**RESULTS**

This study was inactive in FY/01, due to a shortage of available personnel.

**PROJECT COST:** \$0

Report prepared by: Todd J. Pitlik

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**STATE:** Territory of Guam

**PROJECT NO.:** F-1R-9  
**SUB-PROJECT NO.:** F-1  
**STUDY NO.:** 4  
**JOB NO.:** 4

**STUDY:** Fisheries Management Unit Studies

**JOB TITLE:** Ciguatera Identification Study

**PERIOD COVERED:** October 1, 2000 to September 30, 2001

**OBJECTIVE**

To conduct a study on the impacts of ciguatera on sportfish resources and determine appropriate needs for an awareness program.

**RESULTS**

This study was inactive in FY/01, due to a shortage of available personnel.

**PROJECT COST:** \$0

Report prepared by: Todd J. Pitlik