

**UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE
BUREAU OF COMMERCIAL FISHERIES**

OPERATING PROGRAM

Field Station or Office of Origin Woods Hole, Massachusetts	Region or Area Region 3, Gloucester, Massachusetts
Subactivity (Symbol and Title) 431 Coastal and Offshore Research	Program Title: Plankton
Program No. 431.76	

PROGRAM COMPONENTS OF COST	Previous Program	This Action	Current Program
10. Personal Services (Detail on reverse side) - - - - -		17,071	17,071
21. Travel and Transportation of Persons - - - - -		200	200
22. Transportation of Things - - - - -			
23. Rent, Communications & Utility Services - - - - -			
24. Printing and Reproduction - - - - -			
25. Other Services - - - - -			
26. Supplies and Materials - - - - -		400	400
31. Equipment - - - - -		400	400
Other - - - - -			
Sub Total Program Direct Cost - 2/A - - -		18,071	18,071
Program Indirect Cost - - - - -		14,700	14,700
TOTAL OPERATING PROGRAM		32,771	32,771

BREAKDOWN BY PROGRAM FEATURE

NUMBER	PROJECT	Previous Program	This Action	Current Program
A	Analysis of previous cruise data		9,035.50	9,035.50
B	Zooplankton Con. Studies		9,035.50	9,035.50
	Sub Total Program Direct Cost - 2/A - - -		18,071	18,071
	Program Indirect Cost - - - - -		14,700	14,700
	TOTAL OPERATING PROGRAM		32,771	32,771

ESTIMATE OF EXPENDITURES BY QUARTERS - F.Y. 19

Object Class	First	Second	Third	Fourth
Personal Services				
All Other Expenditures				
Total Operating Program				

Prepared By: _____ Name _____ Title _____ Date _____

Approved By: Richard W. Graham Subactivity Director 7/19/63 Date

<u>Personnel (name)</u>	<u>Grade</u>	<u>Cost</u>
Colton	GS 12	10,903
Stoddard	6	6,105
Total personal services		17,071

Region #3

Briefing Statement
(In thousands of dollars)

Coastal and Offshore Research

Program without Increase

(Subactivity)

No.	Title		1965	1964	1963	1962
		\$	33.5	33.5	31.2	31.2
431	Plankton	PP	2	2	2	2

Program:

Work plan: Sampling with plankton collectors in area between New York and Nova Scotia.
Identification of zooplankton.

Objective: To describe the quantity and components of the plankton, and to relate these to the occurrence and abundance of groundfish.

Accomplishments FY 1963: Species composition and abundance of zooplankton determined for collections made in 1940 and 1960 in the Gulf of Maine and Georges Bank area.

Base of operations: Woods Hole, Massachusetts.

Briefing Statement
(In thousands of dollars)

Coastal and Offshore Research
(Subactivity)

Region #3

Program with Increase

No.	Title		1965	Increase	1964	1963	1962
		\$	65.0	65.0	--	--	--
131	Plankton	PP	--	--	--	--	--

Increase:

Need: Plankton comprises the basic forage organisms for all marine fish. A knowledge of the plankton in the area is essential to an understanding of the relation of abundance and distribution of groundfish to their basic food source. This program has been supported on a small scale by S-K funds, but effort was devoted to analysing samples on hand.

Work plan: Extensive sampling stratified by depth and time conducted by the research vessel ALBATROSS IV.

Objective: To describe the quantity and components of the plankton, and to relate these to the occurrence and abundance of groundfish.

Additional positions: None.

Program:

Objective: To determine the productivity of zooplankton in the area.

Accomplishments FY 1963: ~~Species compositions and abundance of zooplankton determined for collections made in 1940 and 1960.~~

Base of operations: Woods Hole, Massachusetts