Form 2-102 (Rev. July 1963)

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

OPERATING PROGRAM

Field Station or Office of Origin	Region or Area	
Woods Hole, Massachusetts	Region 3, Gloucester, Massachusetts	
Subactivity (Symbol and Title)	**Program Title:**	**Program No.**
131 Coastal and Offshore Research	Ass. of For. Fishing	131.97

PROGRAM COMPONENTS OF COST	Previous Program	This Action	Current Program
10. Personal Services (Detail on reverse side)		36,129	36,129
21. Travel and Transportation of Persons		300	300
22. Transportation of Things			
23. Rent, Communications & Utility Services			
24. Printing and Reproduction			
25. Other Services			
26. Supplies and Materials		2,000	2,000
31. Equipment		1,700	1,700
Other			
Sub Total Program Direct Cost		40,129	40,129
Program Indirect Cost		16,000	16,000
TOTAL OPERATING PROGRAM		24,500	24,500

T/A
Alb IV

BREAKDOWN BY PROGRAM FEATURE

NUMBER	PROJECT	Previous Program	This Action	Current Program
A	Assessment of Foreign Fishing		40,129	40,129
	Sub Total Program Direct Cost		40,129	40,129
	Program Indirect Cost		16,000	16,000
	TOTAL OPERATING PROGRAM		24,500	24,500

NOTED BY REGIONAL OFFICE

T/A
Alb IV

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 [illegible] Title Date

Approved By: Herbert W. Graham Laboratory Director 7/19/63.

Personnel (name)	Grade	Cost
Edwards	GS 13	12,370
Marek	11	9,546
Miller	11	8,966
Johnson	8	4,237
Total personnel services		35,120

Briefing Statement
(In thousands of dollars)

Region #3

Program without Increase

Coastal and Offshore Research
(Subactivity)

No.	Title		1965	1964	1963	1962
		$	80.6	82.6	79.0	--
131	Assessment of the Effect of Foreign Fishing	PP	4	4	4	--

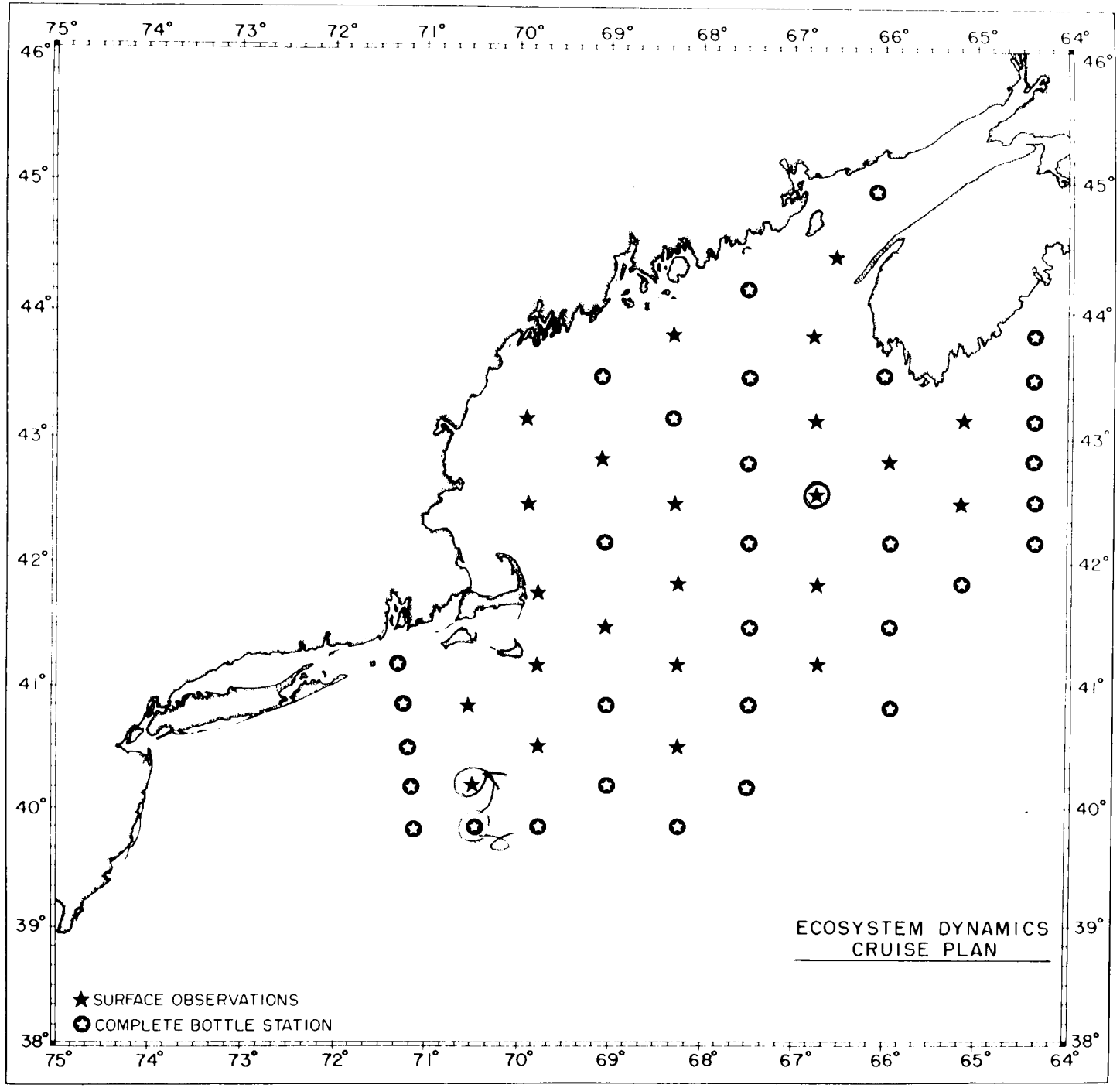
Program:

Work plan: Make intensive surveys of Georges Bank area with ALBATROSS IV to collect samples of both pelagic and bottom fish, and of the plankton and bottom invertebrates upon which these fishes subsist.

Objective: To determine the interrelationship of herring populations (which are fished by the Russians) and the groundfish (which are fished by the U. S. fleet) in an attempt to determine what effect depletion of the herring stock would have on the stocks of groundfish upon which the New England fishery depends.

Accomplishments FY 1963: A diurnal rhythm has been found in the feeding behavior of groundfish. This information will be used in estimating the total mass of food required by the groundfish populations.

Base of operations: Woods Hole, Massachusetts.


ECOSYSTEM DYNAMICS
CRUISE PLAN
SURFACE OBSERVATIONS
COMPLETE BOTTLE STATION
75°
74°
73°
72°
71°
70°
69°
68°
67°
66°
65°
64°
46°
45°
44°
43°
42°
41°
40°
39°
38°