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	Groundfish Ecology	131.56

PROGRAM COMPONENTS OF COST	Previous Program	This Action	Current Program
10. Personal Services (Detail on reverse side)		39,202	39,202
21. Travel and Transportation of Persons		1,000	1,000
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		3,000	3,000
Other			
Sub Total Program Direct Cost T/A		45,202	45,202
Program Indirect Cost A1b IV		34,000	34,000
TOTAL OPERATING PROGRAM		28,000	28,000
		107,202	107,202

BREAKDOWN BY PROGRAM FEATURE

NUMBER	PROJECT	Previous Program	This Action	Current Program
A	Distribution & Abundance of Groundfish		27,601	27,601
B	Study of Survey Techniques		27,601	27,601
	Sub Total Program Direct Cost T/A		45,202	45,202
	Program Indirect Cost A1b IV		34,000	34,000
	TOTAL OPERATING PROGRAM		28,000	28,000
			107,202	107,202

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 Date

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Personnel (name)	Grade	Cost
Fritz	[illegible] 11	8,4[illegible]
Livingstone	11	8,4[illegible]
Hickerson	7	7,0[illegible]
Burns	4	4,9[illegible]
Russell	3	4,3[illegible]
Fitzgerald	3	4,3[illegible]
Total personnel services		39,3[illegible]

Equipment List

B-T s & Nansen Bottles	2,000

Briefing Statement
(In thousands of dollars)

Region #3

Programs with Increase

Coastal and Offshore Research
(Subactivity)

No.	Title		1965	Increase	1964	1963	1962
		$	113.0	3.0	110.0	115.0	110.0
131	Groundfish Ecology	FP	5	0	5	5	5

Increase:

Need: Nominal increase to apply toward salary increases and increased materials costs. No expansion of program.

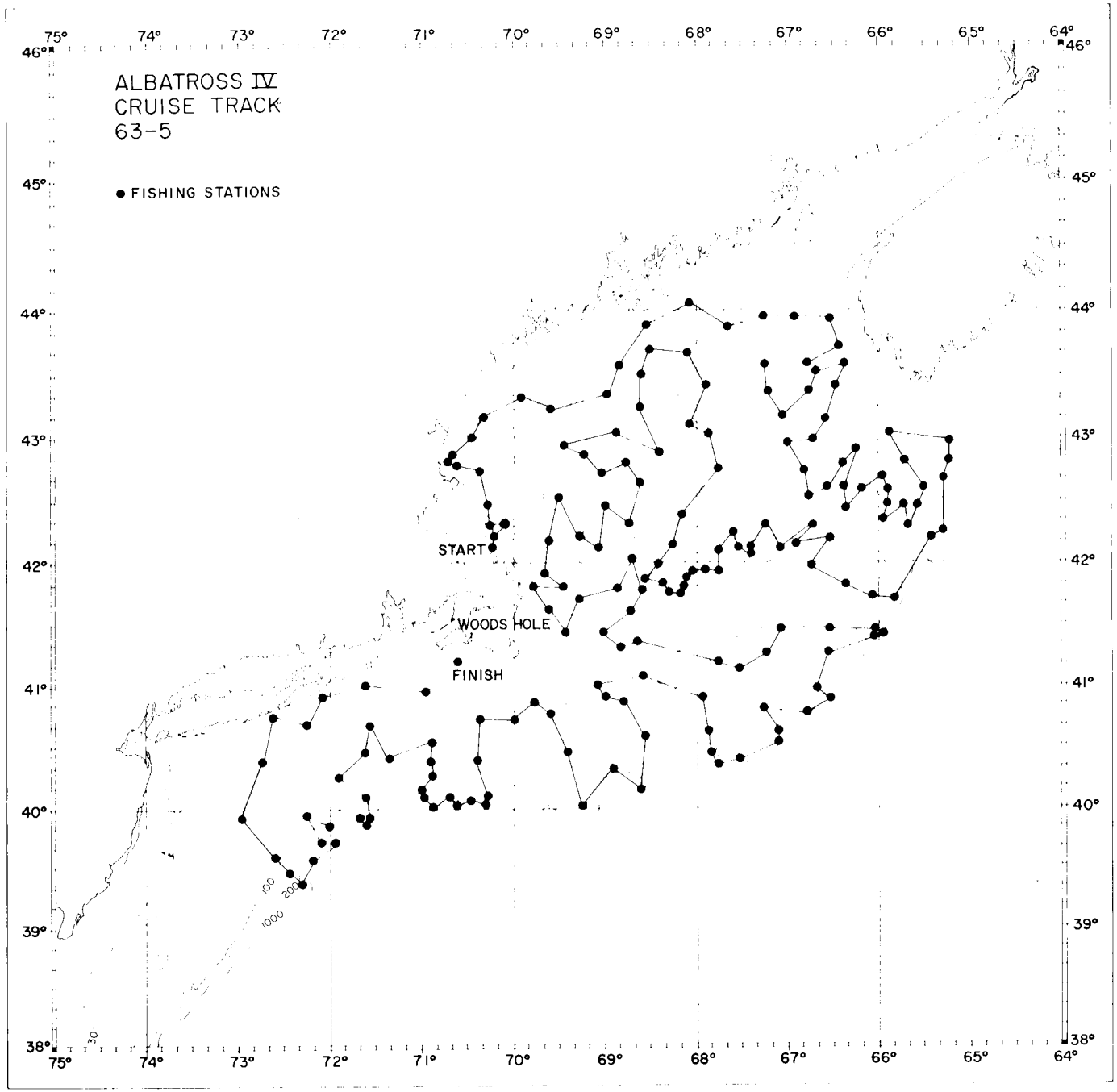
Additional positions: None

Program:

Objective: To determine the environmental conditions that control the distribution, abundance, and availability of groundfish in the Northwest Atlantic.

Accomplishments FY 1963: Analysis of ~~port~~ PAST data back to 1949 completed. Distribution charts and temperature charts in press.

Base of operations: Woods Hole, Massachusetts.


ALBATROSS IV
CRUISE TRACK
63-5
● FISHING STATIONS
START
WOODS HOLE
FINISH
75°
74°
73°
72°
71°
70°
69°
68°
67°
66°
65°
64°
46°
45°
44°
43°
42°
41°
40°
39°
38°
100
200
1000
30