

Northwest Atlantic



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Cuban Research Report for 2000

by

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SUBAREA 3

A. Status of the fishery.

A fishery on northern shrimp (*Pandalus borealis*) in Division 3M was carried out by one Cuban vessel in 2000. Fishing for shrimp took place since late August to late October accounting for a catch of 46.3 t. Shrimp total catch during 2000 declined as compared to 1999 (Table 1), mainly due to a lower fishing effort executed in the fishery.

Fishing operations were mostly conducted in the western side of Flemish Cap between 46°26' - 47°19'N and 45°23' - 46°22' W (Fig. 1).

Details of catch, months, hours fished and CPUE in the fishery for 1999 and 2000 are shown in Table 2. Variations in the expended effort by months in the 2000 fishery are related to some technical problems faced by the ship conducting the fishery. While the effort in August and October was almost the same (17 and 10 hours fished respectively), that of September was significantly higher (165 hours fished), thus indicating a better performing of the vessel. Catch rates in those months, however, remained the same at the level of 240-243 kg/h.

Comparisons between 1999 and 2000 fisheries are difficult because the operations were not coincident in months along the fishing seasons.

B. Special Research Studies.

1. Environmental researches.

No research related to environment was carried out in Subarea 3.

2. Biological studies

No biological samplings were conducted.

SUBAREA 4**A. Status of the fishery**

No fishery was conducted in this Subarea during 2 000.

B. Special Research Studies**1. Environmental researches**

No research related to environment was carried out in Subarea 4.

2. Biological studies

No biological samplings or special studies were performed.

Table 1. Summary of catches (t) of the main species in 1999 and 2000.

Species	1999			2000	
	4W	3M	Total	3M	Total
Silver hake	3851.5		3851.5		
Short finned squid	279.5		279.5		
Pollock	5.8		5.8		
Haddock	3.8		3.8		
Cod	0.02		0.02		
Mackerel	12.6		12.6		
Herring	120.5		120.5		
Northern prawn		119.1	119.1	46.3	46.3
Groundfish (NS)	0.6	1.124	1.724	0.025	0.025
Atlantic Redfish		1.759	1.759	0.073	0.073
American plaice				0.001	0.001
Red hake	86.4		86.4	0.021	0.021
TOTAL	4360.7	121.9	4479.8	46.3	46.3

Table 2. Nominal catch, effort and catch rates in the Cuban northern shrimp fishery in Flemish Cap during 1999 and 2000.

<i>DIVISION 3M</i>				<i>DIVISION 3M</i>		
1999				2000		
Months	Catch (t)	Hours fished	CPUE (kg/h)	Catch (t)	Hours fished	CPUE (kg/h)
Aug				3.9	17	240
Sept				39.9	165	240
Oct				2.4	10	243
Nov	3.6	11	330			
Dec	115.5	320	361			
Total	119.1	331	360	46.3	192	240

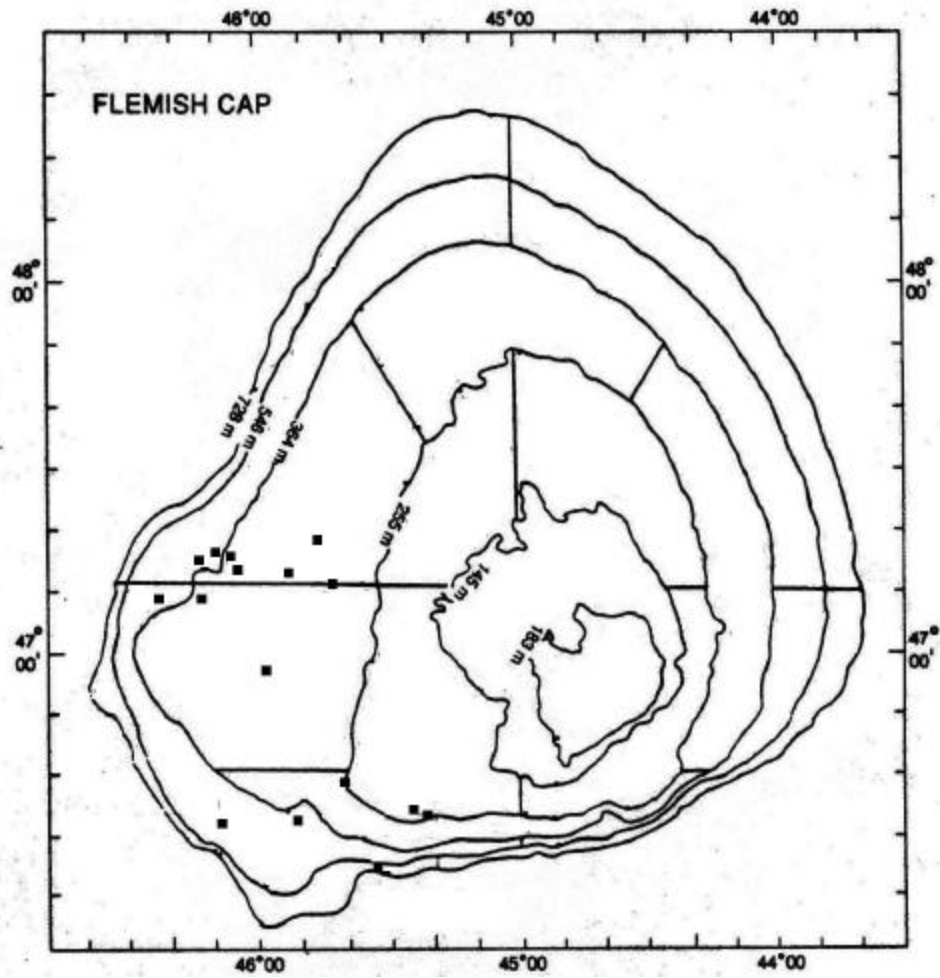


Fig. 1. Fishing areas of the Cuban fleet in the shrimp fishery in division 3M during 2000.