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Danish proposal for regulatory measures for  
Subarea 1 offshore shrimp fisheries

1. Overall TAC and allocations

The overall TAC suggested by STACRES of 40,000 tons is based on an evaluation of the stock size through observations in 1975 and 1976 and on assessment models. The latter involves parameters of which some are rather uncertain, specifically those relating to mortalities and growth.

Denmark therefore proposes a TAC of 36,000 tons (including discards), divided as follows:

Denmark	29,000 tons
Others	7,000 tons

2. Breakdown of TAC by areas

A basic assumption underlying the STACRES advice is that the proposed exploitation level does not lead to a situation where stock/recruitment relationship becomes a critical factor for maintaining the stock level. Virtually nothing is known about the stock/recruitment relationship. However, it seems proper to assume that some areas might be of greater importance than other areas in terms of larval production.

Denmark is concerned that the possible relationship between the shrimp grounds in the Disko Bay and offshore grounds should be taken into account. At the present state of knowledge, it seems necessary to ensure that an offshore area adjacent to the Disko Bay should not be fished at more than a low level of exploitation. Taking into account the advice from STACRES, Denmark requests that the area off Disko Bay, defined as (ii) in the table below, should not be fished by more than 3,000 tons as a precautionary level.

Denmark further has a vital interest in ensuring that fishing on smaller grounds does not lead to a heavy over-exploitation on such grounds and does, therefore, consider it proper that some areal breakdown of the TAC beyond that achieved in the area adjacent to Disko Bay be made. Taking into account

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the size of the various grounds and the stock density and recognizing at the same time the need for some flexibility in the fisheries, Denmark proposes that the 1977 overall TAC be broken down by areas.

3. As a consequence of what is mentioned under (1) and (2) above, the Danish proposal is as follows:

a) <u>Areas</u> (see attached map)	<u>Total TAC</u>	<u>Denmark</u> <sup>1</sup>	<u>Others</u>
i) Div. 1A north of 69° 30'N	3,000	2,400	600
ii) Div. 1A south of 69° 30'N + Div. 1B north of 68° 00'N	3,000	2,400	600
iii) Div. 1B south of 68° 00'N + Div. 1C	27,000	21,800	5,200
iv) Div. 1D, 1E, and 1F	<u>3,000</u>	<u>2,400</u>	<u>600</u>
	<u>36,000</u>	<u>29,000</u>	<u>7,000</u>

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<sup>1</sup> Distribution proportional to TAC breakdown.

b) Mesh size regulation

Following the recommendation of STACRES, it is proposed that a minimum mesh size in the codend of 40 mm (stretched, nylon) be adopted.

Denmark is, however, ready to accept that existing codends can be used until 1 January 1978.

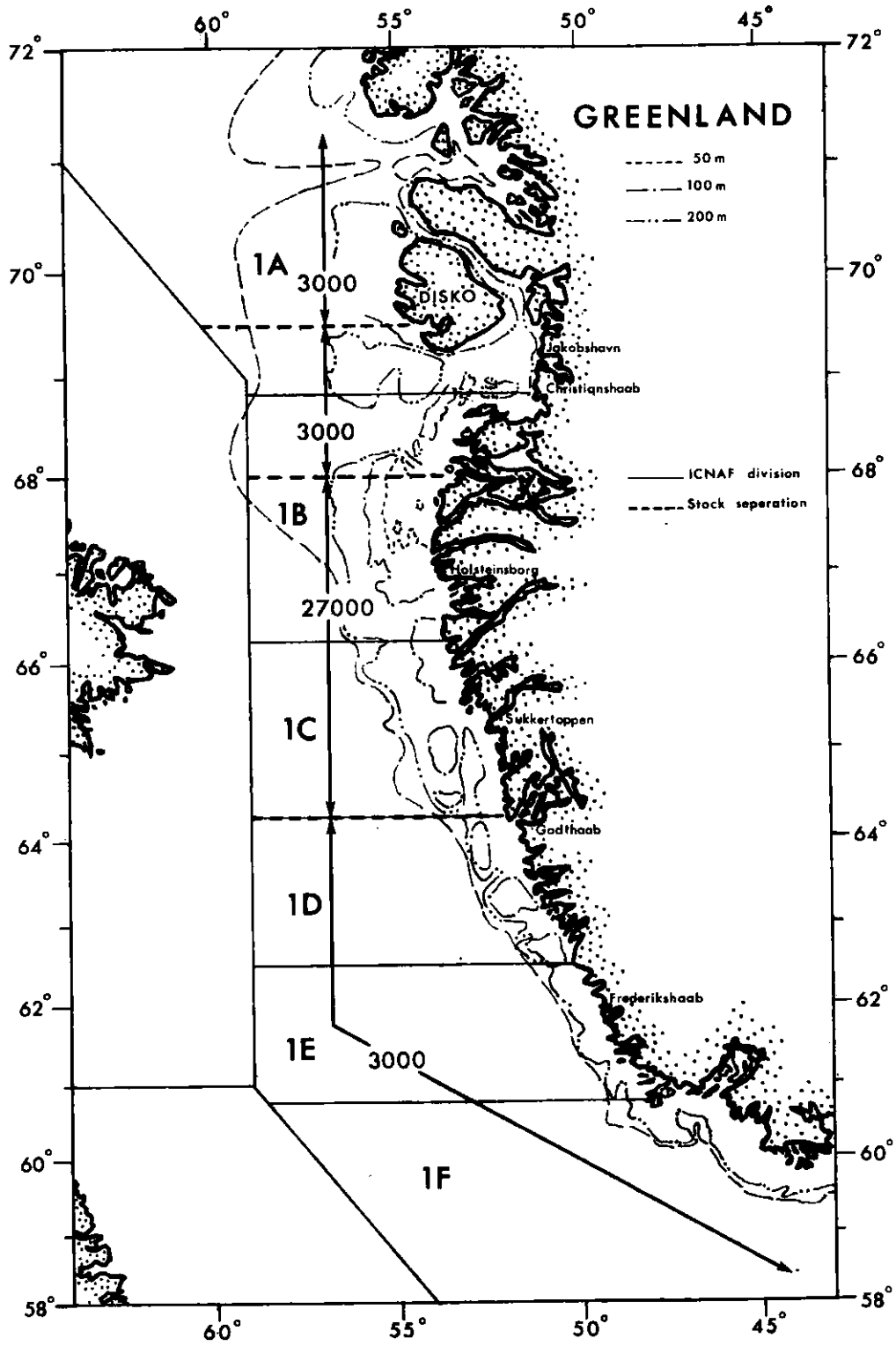


Fig. 1. Western Greenland showing proposed area quota allocations of the TAC of 36,000 tons for shrimp in Subarea 1.

