



Serial No. 2551
(A.c.1)

ICNAF Res.Doc.71/81

ANNUAL MEETING - JUNE 1971

ICES - Liaison Committee Report to the NEAFC, 1971

Note by Executive Secretary, ICNAF:

The ICES Liaison Committee's Report to the NEAFC for 1971 is not reproduced in whole or in part as an ICNAF Document to the 1971 Meeting of STACRES because of its size.

Rather, a complete copy of the Report with its Annexes and appendices is available on request from the Secretariat.

As a guide to the Report's content, there follows the list of contents for the Report of the Liaison Committee and its three Working Groups:

ICES LIAISON COMMITTEE REPORT TO NEAFC, 1971

<u>Contents</u>	<u>Pages</u>
A. Review of Nominal Catches in NEAFC Area 1962-1969 -----	1
B. Region 1 Fisheries -----	2
B.1 North-East Arctic Fisheries -----	2
B.2 North-West Arctic Fisheries -----	5
B.3 Atlanto-Scandian Herring -----	11
C. Regions 2 and 3 Fisheries -----	12
C.1.1 Herring Fisheries in Region 2 -----	12
C.1.2 Bløden Tagging Experiment -----	13
C.2 North Sea Mackerel Stock and Fishery -----	14
C.3 North Sea Flatfish -----	15
C.4 North Sea Roundfish -----	17
C.5 Danish Recommendation 6 Whiting Fishery -----	18
C.6 Hake Fisheries -----	19
D. Triennial Review of Mixed Fisheries by Trawls -----	19
E. Selectivity and Related Items -----	22
E.1 Mesh-Sizes and Topping Chafers in Use -----	22
E.2 Trawls and Dredges on the Sea-Bed -----	22
F. Other Items -----	23
F.1 North Atlantic Salmon -----	23
F.2 Publication of the 1970 Report -----	23
Tables 1-8 -----	24
Figures 1 and 2 -----	31

ANNEX I - REPORT OF THE NORTH-EAST ARCTIC FISHERIES WORKING GROUP
Copenhagen, February 1-5, 1971

The Group met to update previous assessments of the Northeast Arctic cod and haddock fisheries in the light of the most recent data and to prepare estimates of catches in 1971 and 1972.

<u>Contents</u>	<u>Pages</u>
1. Participants -----	1
2. Status of the fisheries in 1969 and 1970 -----	1
a) Cod -----	1
b) Haddock -----	1
3. Estimates of mortality -----	2
4. Recruitment -----	2
5. Estimates of future catches -----	2
a) Cod -----	2
b) Haddock -----	3
6. Changes in total stock size -----	4
7. The effects upon the cod fishery of the closure of fishing grounds -----	4
8. Recommendations -----	5
Tables 1-13 -----	6
Figures 1 and 2 -----	13

ANNEX II - REPORT OF THE NORTH-WESTERN WORKING GROUP
Lowestoft, November 30-December 6, 1970

The Group was reconvened to re-assess, in the light of further data, the assessments previously made concerning Icelandic cod.

<u>Contents</u>	<u>Pages</u>
Introduction -----	1
Recent Changes in Catches and Fishing Effort -----	1
Evidence of Migration of Greenland Cod to Iceland -----	2
Estimates of Immigration from Greenland from Results of Tagging Experiments -----	3
The Fishery at Iceland -----	6
Stable Age Compositions of the Landings -----	6
Mortality Rates -----	7
Estimates of Stock Size -----	7
Assessment of Changes in Fishing Effort -----	7
Results of Assessments -----	8
Assessment by Simulation -----	9
The Effect of a Proposed Closure of the North-East Corner of Iceland to Trawling -----	10
Haddock -----	11

<u>Contents</u> cont'd	<u>Pages</u>
References -----	12
<u>Appendix 1:</u> "Cod Stock Identification Studies at Iceland Using Serological, Biochemical and Genetic Techniques" by A. Jamieson -----	13
<u>Appendix 2:</u> "Subdivision of Fishing Mortality Rates" -----	15
Tables 1-23 -----	16
Figures 1-3 -----	32

ANNEX III - REPORT OF THE WORKING GROUP ON ATLANTO-SCANDIAN HERRING
Copenhagen, 12-13 January, 1971

With the continued decline of the Atlanto-Scandian herring stocks, the Working Group met again to compile new data and information on these herring stocks.

<u>Contents</u>	<u>Pages</u>
Introduction -	
A. Terms of Reference and Participation -----	2
B. Material and Agenda -----	2
I. Description of Stock Units in the Atlanto-Scandian Herring ----	2
II. Norwegian Spring Spawners	
II.a The Adult Herring Fisheries	
A. Total Catch -----	2
B. Effort -----	2
C. Age Composition -----	3
D. Estimates of Absolute Stock Abundance -----	3
E. Mortality Rates -----	3
II.b The Immature Herring Fisheries -----	3
II.c Changes in the Migration Pattern -----	4
III. Icelandic Herring Stocks -----	4
IV. Causes of the Recent Decline in the Yields of Atlanto-Scandian Herring -----	5
V. References -----	5
VI. Tables 1-23 -----	6
VII. Figures 1-2 -----	23