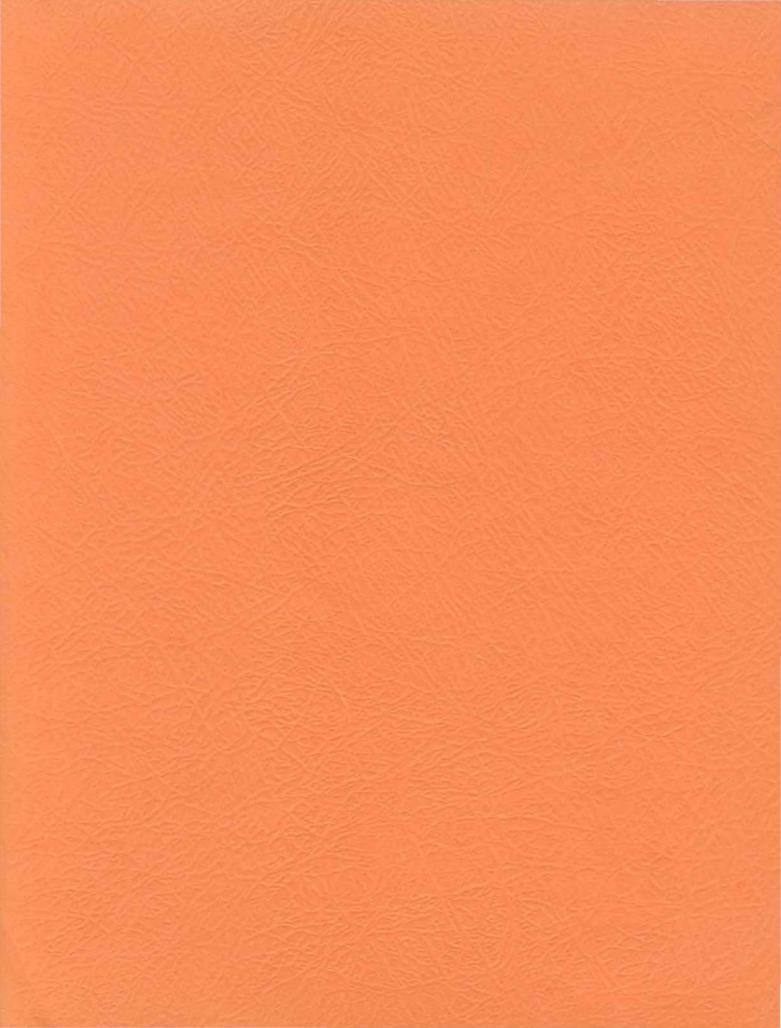
# NORTHWEST ATLANTIC FISHERIES ORGANIZATION



### Scientific Council Studies Number 1

Dartmouth, Canada 1981



## NORTHWEST ATLANTIC FISHERIES ORGANIZATION



## Scientific Council Studies Number 1

Dartmouth, Canada March, 1981 

#### **Scientific Council Studies**

ICNAF Selected Papers, initiated by the Standing Committee on Research and Statistics of the International Commission for the Northwest Atlantic Fisheries in 1975 was published regularly until 1979, when ICNAF ceased to exist and was replaced by the Northwest Atlantic Fisheries Organization (NAFO). Thus, publication of ICNAF Selected Papers terminated with the issue of Number 6 in January 1980. In addition, the ICNAF Special Publication series was initiated in 1958 to provide a medium for publication of papers presented at special meetings and symposia and was issued irregularly throughout the years. The publication of this series terminated with the issue of Special Publication Number 11 (Revised) in August 1980.

Apart from the Journal of Northwest Atlantic Fishery Science which publishes primary papers and notes on original research, the Scientific Council recognized the need for a secondary publication to replace the ICNAF Selected Papers and the ICNAF Special Publication series. Thus, the scope of this new publication, NAFO Scientific Council Studies, includes the publication of papers of topical interest and importance to the current and future activities of the Council normally selected from research documents presented at Council meetings, contributions to special meetings and symposia, manuals, etc. Normally there will be one issue per year, but additional issues might be required occasionally to meet the needs of the Council.

16 March 1981

V. M. Hodder, Editor Northwest Atlantic Fisheries Organization P. O. Box 638 Dartmouth, Nova Scotia Canada B2Y 3Y9

#### Contents

CLAY, D. A New Technique for Estimation of Gillnet Selectivity and Re-analysis of Data for Several Fish Species	7
DUDNIK, Yu. I., V. K. ZILANOV, V. D. KUDRIN, V. A. NESVETOV, and A. S. NESTEROV. Distribution and Biology of Atlantic Saury, <i>Scomberesox saurus</i> (Walbaum), in the North- west Atlantic	23
POSGAY, J. A. Grid versus Random Sampling for Ichthyoplankton	31
SMIDT, Erik. The Wolffish Fishery at West Greenland	35
LILLY, G. R., and A. M. FLEMING. Size Relationships in Predation by Atlantic Cod, <i>Gadus</i> morhua, on Capelin, <i>Mallotus villosus</i> , and Sand Lance, <i>Ammodytes dubius</i> , in the New- foundland Area	41
ROSS, C. K. Drift of Satellite-tracked Buoys on Flemish Cap, 1979-80	47
PODRAZHANSKAYA, S. G., and V. P. SHESTOV. Some Aspects of Haddock Feeding in the Newfoundland Area	51
ANDERSON, J. T., and S. A. AKENHEAD. Distribution and Abundance of Redfish and Cod Larvae on Flemish Cap in 1978 and 1979	57
WALLACE, I. C., R. K. O'DOR, and T. AMARATUNGA. Sequential Observations on the Digestive Process in the Squid, <i>Illex illecebrosus</i>	65
WALSH, S. J., and W. R. BOWERING. Histological and Visual Observations on Oogenesis and Sexual Maturity in Greenland Halibut off Northern Labrador	71
WELLS, R. Age Determination of Cod from Otoliths Collected in Divisions 2J. 3K and 3L	77

