

NORTHWEST ATLANTIC FISHERIES ORGANIZATION



Scientific Council Studies
Number 33

Miscellaneous Papers

1999

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Foreword

In accordance with its mandate to disseminate information on fisheries research to the scientific community, the Scientific Council of NAFO publishes the *Journal of Northwest Atlantic Fishery Science*, which contains peer-reviewed primary papers and notes on original research, and *NAFO Scientific Council Studies*, which contains review papers of topical interest and importance.

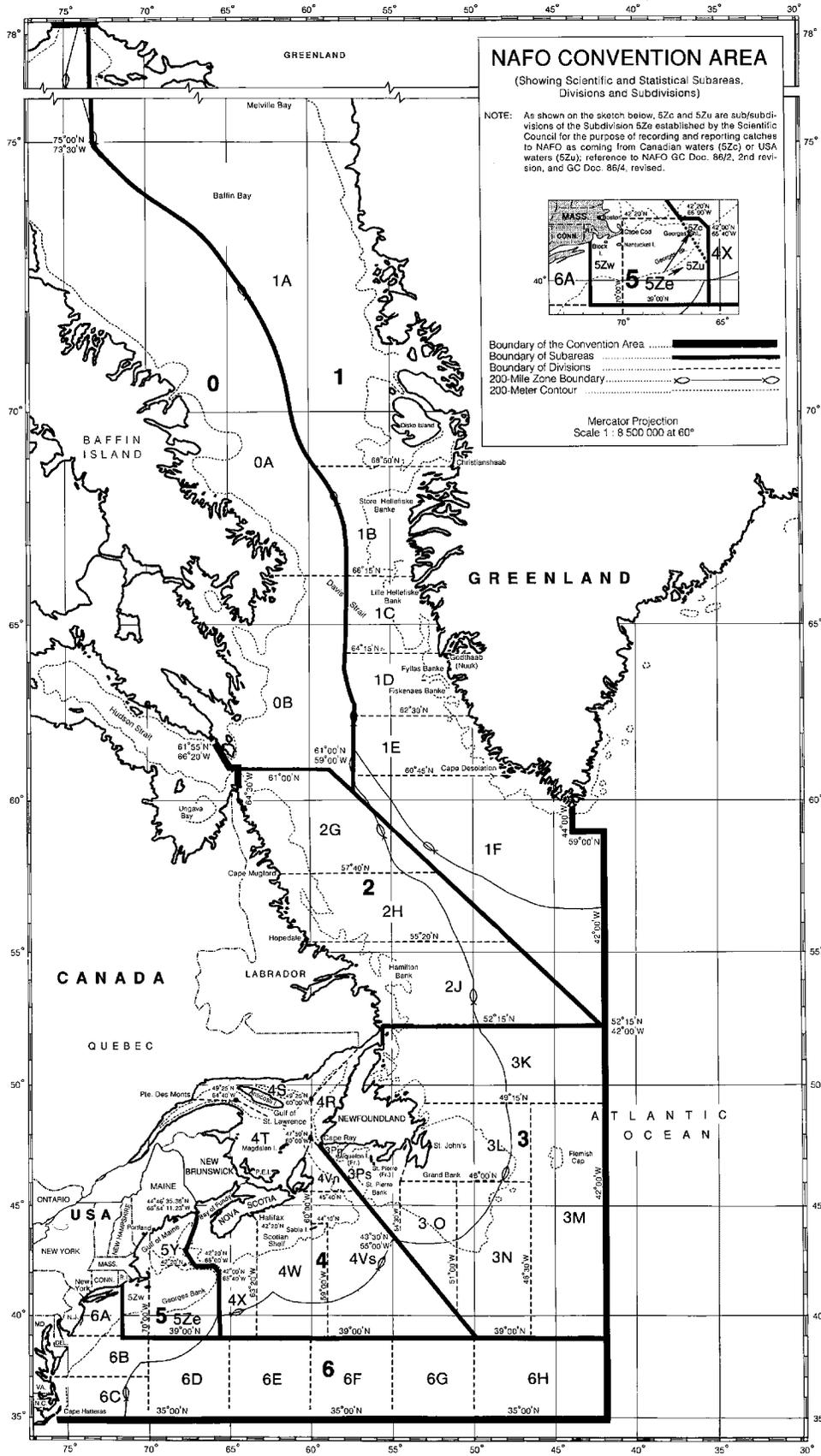
This issue of *NAFO Scientific Council Studies* contains miscellaneous contributions nominated for publication by the Standing Committee on Publications (STACPUB) of the Scientific Council from research documents presented to its meetings. The 32 previous issues of the *NAFO Scientific Council Studies* are listed on the back cover of this volume.

May, 2000

T. Amaratunga, Editor
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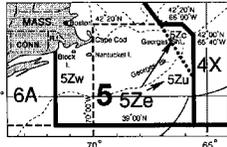
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NAFO CONVENTION AREA

(Showing Scientific and Statistical Subareas, Divisions and Subdivisions)

NOTE: As shown on the sketch below, 5Zc and 5Zu are subdivisions of the Subdivision 5Ze established by the Scientific Council for the purpose of recording and reporting catches to NAFO as coming from Canadian waters (5Zc) or USA waters (5Zu); reference to NAFO GC Doc. 86/2, 2nd revision, and GC Doc. 86/4, revised.



Boundary of the Convention Area
 Boundary of Subareas
 Boundary of Divisions
 200-Mile Zone Boundary
 200-Meter Contour

Mercator Projection
 Scale 1 : 8 500 000 at 60°