

Foreword

The Northeast Regional Stock Assessment Workshop (SAW) process has three parts: preparation of stock assessments by the SAW Working Groups and/or by ASMFC Technical Committees / Assessment Committees; peer review of the assessments by a panel of outside experts who judge the adequacy of the assessment as a basis for providing scientific advice to managers; and a presentation of the results and reports to the Region's fishery management bodies. Starting with SAW-39 (June 2004), the process was revised in two fundamental ways. First, the Stock Assessment Review Committee (SARC) became smaller panel with panelists provided by the Independent System for Peer Review (Center of Independent Experts, CIE). Second, the SARC provides little management advice. Instead, Council and Commission teams (e.g., Plan Development Teams, Monitoring and Technical Committees, Science and Statistical Committee) formulate management advice, after an assessment has been accepted by the SARC. Starting with SAW-45 (June 2007) the SARC chairs were from external agencies, but not from the CIE. Starting with SAW-48 (June 2009), SARC chairs are from the Fishery Management Council's Science and Statistical Committee (SSC), and not from the CIE. Also at this time, some assessment Terms of Reference were revised to provide additional science support to the SSCs, as the SSC's are required to make annual ABC recommendations to the fishery management councils.

Reports that are produced following SAW/SARC meetings include: An *Assessment Summary Report* - a summary of the assessment results in a format useful to managers; an *Assessment Report* – a detailed account of the assessments for each stock;

and the SARC panelist reports – a summary of the reviewer's opinions and recommendations as well as individual reports from each panelist. SAW/SARC assessment reports are available online at

<http://www.nefsc.noaa.gov/nefsc/publications/series/crdlist.htm>. The CIE review reports and assessment reports can be found at <http://www.nefsc.noaa.gov/nefsc/saw/>”.

The 58th SARC was convened in Woods Hole at the Northeast Fisheries Science Center, January 27-31, 2014 to review benchmark stock assessments of: butterfish (*Peprilus triacanthus*), golden tilefish (*Lopholatilus chamaeleonticeps*), and northern shrimp (*Pandalus borealis*). CIE reviews for SARC58 were based on detailed reports produced by NEFSC Assessment Working Groups. This Introduction contains a brief summary of the SARC comments, a list of SARC panelists, the meeting agenda, and a list of attendees (Tables 1 – 3). Maps of the Atlantic coast of the USA and Canada are also provided (Figures 1 - 5).

Outcome of Stock Assessment Review Meeting:

Text in this section is based on SARC-58 Review Panel reports (available at <http://www.nefsc.noaa.gov/nefsc/saw/> under the heading “SARC-58 Panelist Reports”).

For **butterfish** nearly all of the assessment Terms of Reference (ToRs) were fully met and the assessment results can be used as a basis for management. The Panel suggested that additional work could be done on consumptive removals of butterfish by predators and integration of results into the assessment. The SARC Panel felt that the work on habitat and oceanography was

innovative, but the supporting document could have been clearer. The final accepted ASAP assessment model included an average measure of availability, which is a function of habitat suitability. But a temporally varying (by year) availability index was not included in the final model. In 2012, overfishing was not occurring, and the stock was not overfished. The stock is considered rebuilt.

For **golden tilefish** nearly all of the assessment ToRs were fully met and assessment results from the ASAP model can be used as a basis for management. The SARC Panel felt that the analysis of tilefish distribution in relation to temperature could be expanded by analyzing the relationship between commercial LPUE and environmental and climate variables. The Panel expressed some reservations about assuming a dome-shaped selectivity

function, but noted that there appeared to be reasonable support for that assumption. In 2012, overfishing was not occurring, and the stock was not overfished. The stock is considered rebuilt.

For **northern shrimp** some key assessment ToRs were not met, and the results of the analytical assessment models should not be used as a basis for management. Three independent assessment models were presented but each model had problems. Model performance was partially related to the addition of new data, which created technical problems within the models. In lieu of an accepted assessment model, the SARC Panel recommended basing northern shrimp management on observed patterns in the northern shrimp catches, survey indices, and potentially on commercial CPUE.

Table 1. 58th Stock Assessment Review Committee Panel.

SARC Chairman (MAFMC SSC):

Dr. Robert Latour
Professor of Marine Science
Virginia Inst. Of Marine Science
Gloucester Point, Virginia
USA
Email: latour@vims.edu

SARC Panelists (CIE):

Dr. Cathy Dichmont
CSIRO
Queensland Biosciences Precinct
306 Carmody Road
St Lucia, Queensland 4067
Australia
Email: cathy.dichmont@csiro.au

Dr. Stewart Frusher
Institute for Marine and Antarctic Studies
Nubeena Crescent
Taroona, 7053
Tasmania, Australia
Email: Stewart.Frusher@utas.edu.au

Dr. Ian Jonsen
Department of Biology
Dalhousie University
1355 Oxford St.
Box 15000
Halifax, NS B3H 4R2 CANADA
Email: ijonsen@dal.ca

Table 2. Agenda, 58th Stock Assessment Review Committee Meeting.

January 27 – 31, 2014

Stephen H. Clark Conference Room – Northeast Fisheries Science Center
Woods Hole, Massachusetts

AGENDA* (version: 24 Jan. 2014)

TOPIC	PRESENTER(S)	SARC LEADER	RAPPORTEUR
<u>Monday, Jan. 27</u>			
10 – 10:30 AM			
Welcome	James Weinberg , SAW Chair		
Introduction	Robert Latour , SARC Chair		
Agenda			
Conduct of Meeting			
10:30 – 12:30	Assessment Presentation (A. Butterfish) Charles Adams John Manderson Tim Miller	--	Michelle Traver
12:30 – 1:30 PM	Lunch		
1:30 – 3:00	Assessment Presentation (A. Butterfish) Charles Adams John Manderson Tim Miller	--	Toni Chute
3:00 – 3:15	Break		
3:15 – 5:15	SARC Discussion w/ Presenters (A. Butterfish) Robert Latour , SARC Chair		Toni Chute
5:15 – 5:45	Public Comments (A. Butterfish)		Toni Chute
<u>Tuesday, Jan.28</u>			
8:45 – 11 AM	Assessment Presentation (B. Tilefish) Paul Nitschke	--	Brian Linton
11 - 11:15	Break		
11:15 – 12:15	SARC Discussion w/presenters (B. Tilefish) Robert Latour , SARC Chair		Brian Linton
12:15 – 12 :30	Public Comments (B. Tilefish)	Brian Linton	
12:30 – 1:45 PM	Lunch		
1:45 – 4:15	Assessment Presentation (C. Northern shrimp) Kelly Whitmore Anne Richards	--	Christine Lipsky
4:15 - 4:30	Break		
4:30 – 5:45	SARC Discussion w/presenters (C. Northern shrimp) Robert Latour , SARC Chair		Christine Lipsky
5:45 – 6	Public Comments (C. Northern shrimp)		Christine Lipsky

TOPIC	PRESENTER(S)	SARC LEADER	RAPPORTEUR
-------	--------------	-------------	------------

Wed. Jan. 29

9 – 11:15 AM	Revisit with presenters (A. Butterfish) Robert Latour , SARC Chair		Toni Chute
11:15 – 11:30	Break		
11:30 – 12:30	Revisit with presenters (B. Tilefish) Robert Latour , SARC Chair		Brian Linton
12:30 – 1:30 PM	Lunch		
1:30 -2:30	(cont) Revisit with presenters (B. Tilefish) Robert Latour , SARC Chair		Brian Linton
2:30 – 2:45	Break		
2:45 – 5:15	Revisit with presenters (C. Northern shrimp) Robert Latour , SARC Chair		Christine Lipsky

Thur. Jan. 30

8:30 – 11:30	Review/edit Assessment Summary Report (A. Butterfish) Robert Latour , SARC Chair		Dan Hennen
11:30 – 12:30 PM	Lunch		
12:30 – 2:45	Review/edit Assessment Summary Report (B. Tilefish) Robert Latour , SARC Chair		Brian Linton
2:45 – 3	Break		
3 - 5:30	Review/edit Assessment Summary Report (C. Northern shrimp) Robert Latour , SARC Chair		Christine Lipsky

Friday, Jan.31

9 AM – 5 PM SARC Report writing. (closed meeting)

*All times are approximate, and may be changed at the discretion of the SARC chair. The meeting is open to the public, except where noted.

Table 3. 58th SAW/SARC, List of Attendees

Name	Affiliation	Email
Chang Jui-Han	NEFSC	jui-han.chang@noaa.gov
Curti Kiersten	NEFSC	kiersten.curti@noaa.gov
Dichmont Cathy	CSIRO	cathy.dichmont@csiro.au
Diddden Jason	MAFMC	jdidden@mafmc.org
DiDomenico Greg	GSSA	gregdi@voicenet.com
Drew Katie	ASMFC	kdrew@asmfc.org
Farnham Dan	Industry	offshorefishery@aol.com
Frusher Stewart	IMAS	Stewart.Frusher@utas.edu.au
Gaichas Sarah	NEFSC	sarah.gaichas@noaa.gov
Glenn Bob	MA DMF- New Bedford	Robert.glenn@state.ma.us
Goodwin Glenn	Seafreeze	glenng3@verizon.net
Hawk Marin	ASMFC	mhawk@asmfc.org
Hendrickson Lisa	NEFSC	lisa.hendrickson@noaa.gov
Hunter Maggie	Maine DMR	margaret.hunter@maine.gov
Jonsen Ian	Dalhousie University	ijonsen@dal.ca
Legault Chris	NEFSC	chris.legault@noaa.gov
Nieland Julie	NEFSC	julie.nieland@noaa.gov
Latour Robert	VIMS	latour@vims.edu
Linton Brian	NEFSC	brian.linton@noaa.gov
Manderson John	NEFSC	john.manderson@noaa.gov
Montanez Jose	MAFMC	jmontanez@mafmc.org
Miller Tim	NEFSC	timothy.j.miller@noaa.gov
Nitschke Paul	NEFSC	paul.nitschke@noaa.gov
Nolan Laurie	Industry/Seacapture	tilefish1@optonline.net
O'Brien Loretta	NEFSC	Loretta.O'Brien@noaa.gov
Palmer Mike	NEFSC	Michael.Palmer@noaa.gov
Palamara Laura	Rutgers	palamara@marine.rutgers.edu
Perry Derek	MA DMF – New Bedford	derek.perry@state.ma.us
Potts Doug	NMFS NERO	douglas.potts@noaa.gov
Rago Paul	NEFSC	Paul.Rago@noaa.org
Richards Anne	NEFSC	anne.richards@noaa.gov
Serchuk Fred	NEFSC	fred.serchuk@noaa.gov
Sharov Alexei	MD DNR	asharov@dnr.state.md.us
Shepherd Gary	NEFSC	gary.shepherd@noaa.gov
Smith Brian	NEFSC	brian.smith@noaa.gov
Smith Laurel	NEFSC	laurel.smith@noaa.gov
Sosebee Kathy	NEFSC	katherine.osebee@noaa.gov
Stratton Mark	VIMS	mastratton@vims.edu
Terceiro Mark	NEFSC	mark.terceiro@noaa.gov
Traver Michelle	NEFSC	michele.traver@noaa.gov
Weinberg James	NEFSC	James.Weinberg@noaa.org
Whitmore Kelly	MA DMF - Gloucester	kelly.whitmore@state.ma.us
Wigley Susan	NEFSC	susan.wigley@noaa.gov

Wilcox Steve
Wood Tony

MA DMF – New Bedford
NEFSC

steve.wilcox@state.ma.us
anthony.wood@noaa.gov

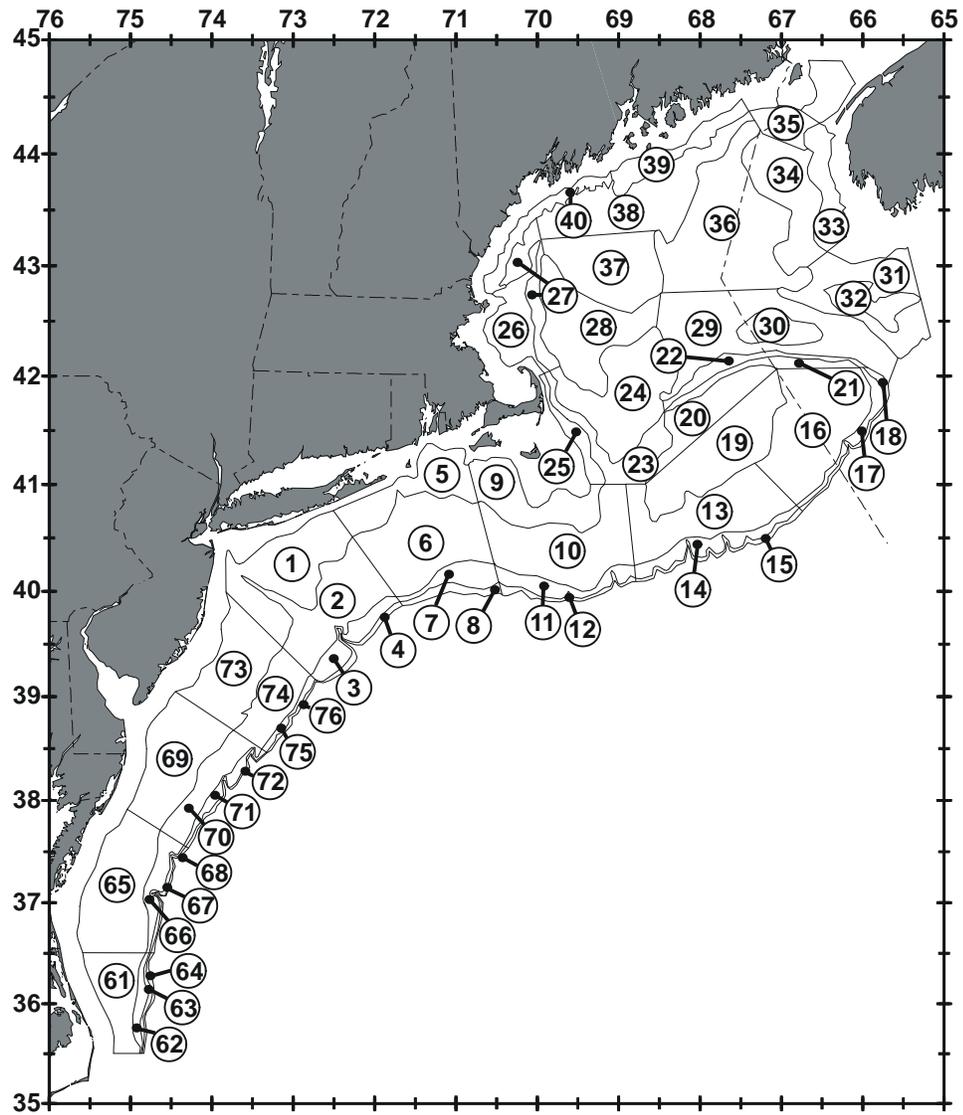


Figure 1. Offshore depth strata that have been sampled during Northeast Fisheries Science Center bottom trawl research surveys. Some of these may not be sampled presently.

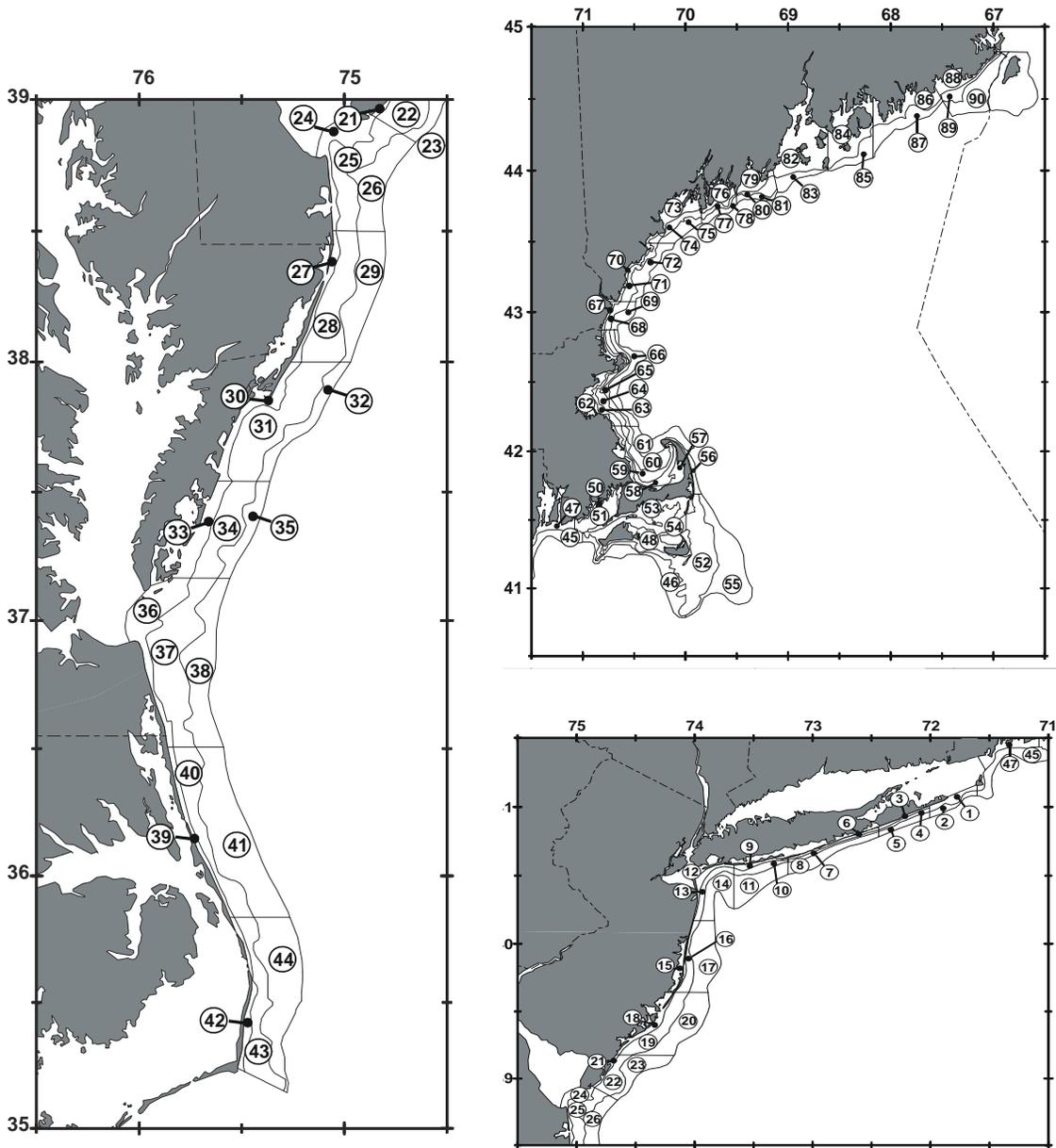


Figure 2. Inshore depth strata that have been sampled during Northeast Fisheries Science Center bottom trawl research surveys. Some of these may not be sampled presently.

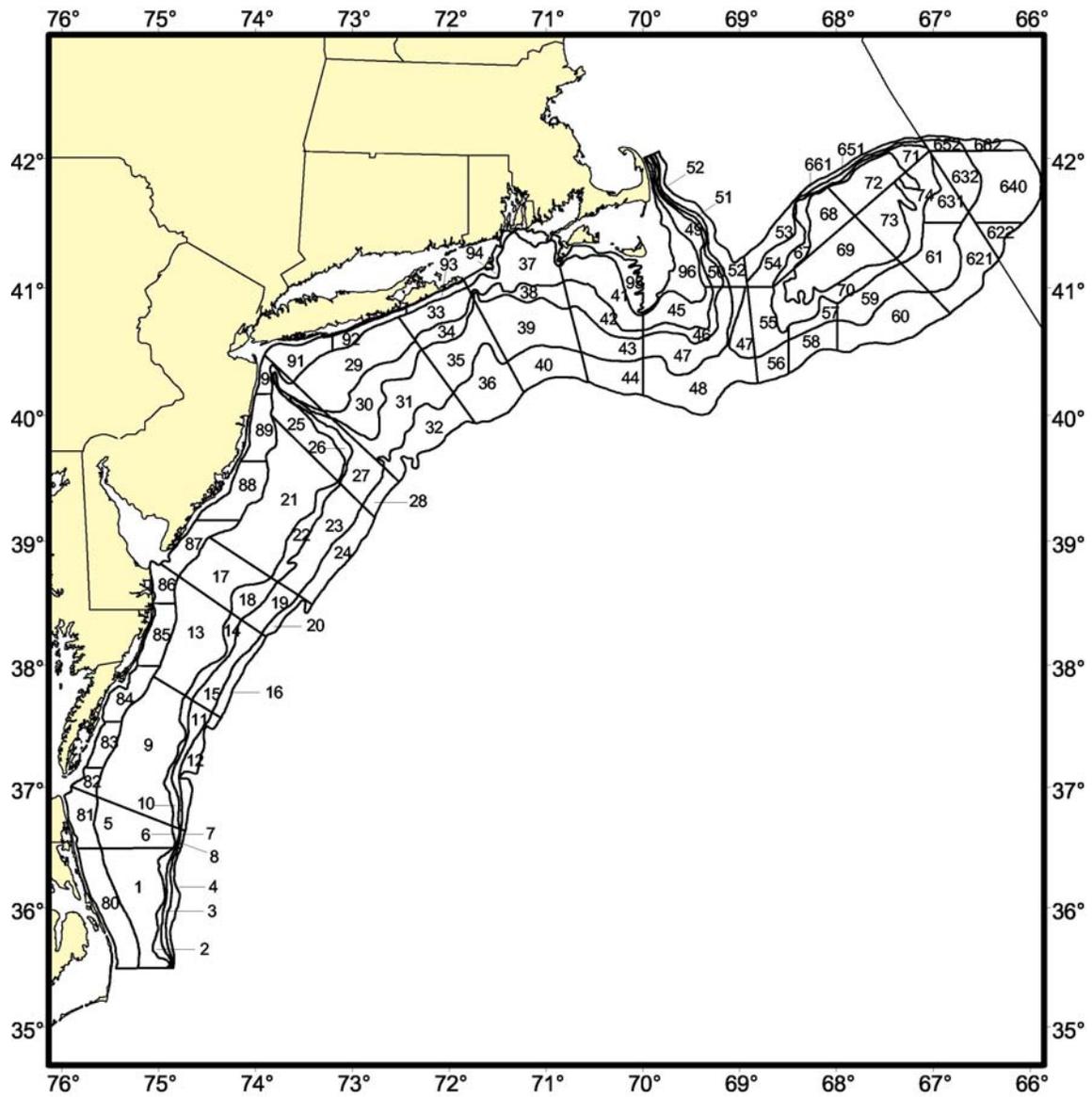


Figure 3. Depth strata sampled during Northeast Fisheries Science Center clam dredge research surveys.

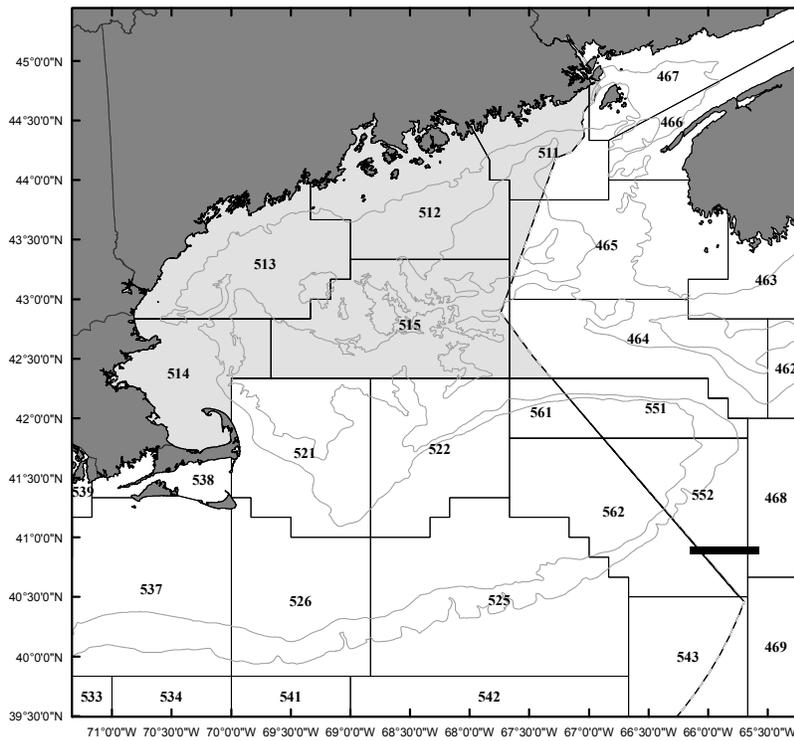
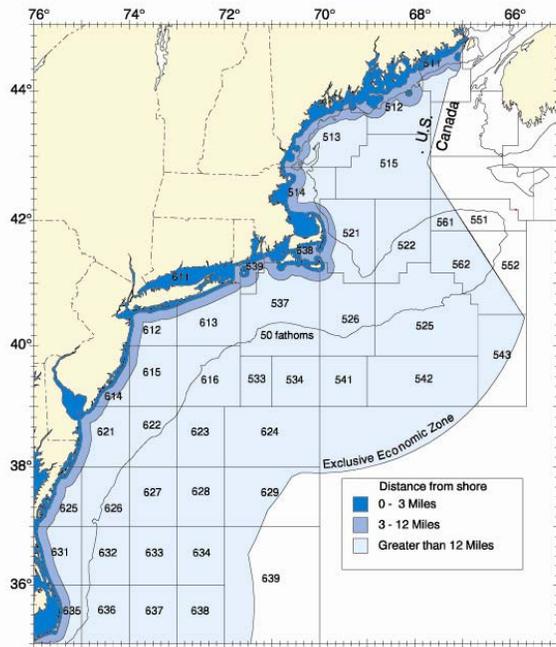


Figure 4. Statistical areas used for reporting commercial catches.

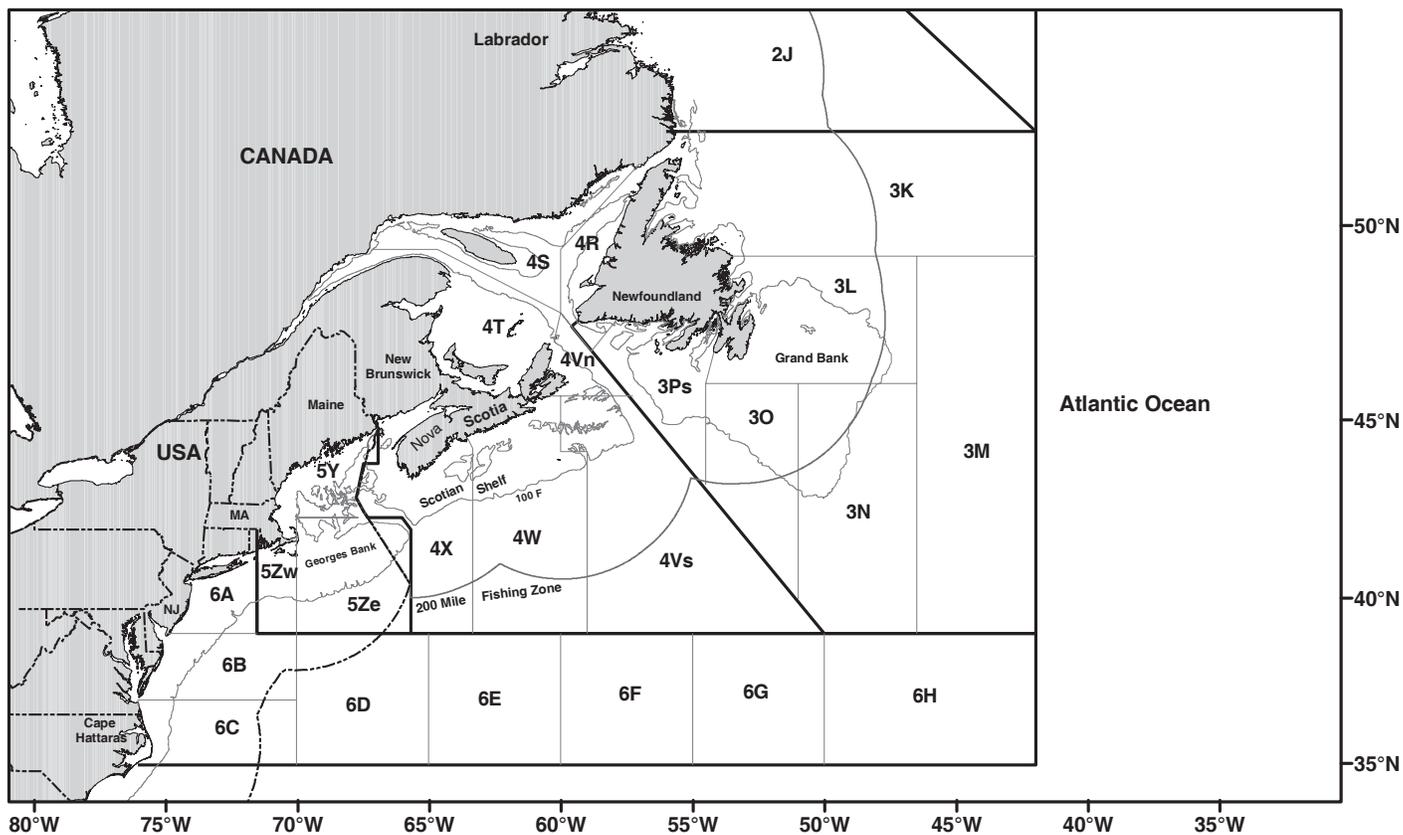


Figure 5. Catch reporting areas of the Northwest Atlantic Fisheries Organization (NAFO) for Subareas 3-6.