



Northeast Fisheries Science Center Reference Document 10-20

# Northeast Fisheries Science Center Publications, Reports, Abstracts, and Web Documents for Calendar Year 2009

compiled by Andrea Toran

September 2010

# Northeast Fisheries Science Center Publications, Reports, Abstracts, and Web Documents for Calendar Year 2009

compiled by Andrea Toran

NOAA Fisheries, Northeast Fisheries Science Center, 166 Water Street, Woods Hole MA 02543  
via Integrated Statistics, Woods Hole, MA

**US DEPARTMENT OF COMMERCE**  
National Oceanic and Atmospheric Administration  
National Marine Fisheries Service  
Northeast Fisheries Science Center  
Woods Hole, Massachusetts

September 2010

## Northeast Fisheries Science Center Reference Documents

**This series is a secondary scientific series** designed to assure the long-term documentation and to enable the timely transmission of research results by Center and/or non-Center researchers, where such results bear upon the research mission of the Center (see the outside back cover for the mission statement). These documents receive internal scientific review, and most receive copy editing. The National Marine Fisheries Service does not endorse any proprietary material, process, or product mentioned in these documents.

All documents issued in this series since April 2001, and several documents issued prior to that date, have been copublished in both paper and electronic versions. To access the electronic version of a document in this series, go to <http://www.nefsc.noaa.gov/nefsc/publications/>. The electronic version is available in PDF format to permit printing of a paper copy directly from the Internet. If you do not have Internet access, or if a desired document is one of the pre-April 2001 documents available only in the paper version, you can obtain a paper copy by contacting the senior Center author of the desired document. Refer to the title page of the document for the senior Center author's name and mailing address. If there is no Center author, or if there is corporate (*i.e.*, non-individualized) authorship, then contact the Center's Woods Hole Laboratory Library (166 Water St., Woods Hole, MA 02543-1026).

**Information Quality Act Compliance:** In accordance with section 515 of Public Law 106-554, the Northeast Fisheries Science Center completed both technical and policy reviews for this report. These predissemination reviews are on file at the NEFSC Editorial Office.

This document may be cited as:

Toran A. 2010. Northeast Fisheries Science Center publications, reports, abstracts, and web documents for calendar year 2009. US Dept Commer, Northeast Fish Sci Cent Ref Doc. 10-20; 28 p. Available from: National Marine Fisheries Service, 166 Water Street, Woods Hole, MA 02543-1026, or online at <http://www.nefsc.noaa.gov/nefsc/publications/>

# Table of Contents

Ordering Information .....	iv
Introduction.....	v
List of Organization Acronyms .....	vi
Publications.....	1
Reports .....	10
Abstracts .....	15
Web Pages.....	28

## Ordering Information

The web version of this document links each bibliographic entry to an e-mail request to the senior NEFSC author or a contact acting in his/her stead, indicated by a [hyperlink](#). To request a copy of a work by postal mail, the address for the senior NEFSC author or contact is associated with the bracketed two-letter code at the end of the bibliographic entry. The key to the codes is as follows:

- MF = NOAA National Marine Fisheries Service, 212 Rogers Ave., Milford, CT 06460-6435
- NB = NOAA/UMass Cooperative Marine Education and Research Program, c/o School for Marine Science & Technology, 706 South Rodney French Boulevard, New Bedford, MA 02744-1221
- NG = NOAA National Marine Fisheries Service, 28 Tarzwell Dr., Narragansett, RI 02882-1199
- NS = NOAA National Marine Fisheries Service, National Systematics Laboratory, Smithsonian Institution, P.O. Box 37012, National Museum of Natural History, Room 57WC, MRC 0153, Washington, DC 20013-7012
- OR = NOAA National Marine Fisheries Service, ASRC Field Station, P.O. Box 190, Orono, ME 04473
- RG = NOAA/Rutgers University Cooperative Marine Education and Research Program, c/o Institute of Marine and Coastal Sciences, P.O. Box 231, New Brunswick, NJ 08903-0231
- RI = NOAA/University of Rhode Island Cooperative Marine Education and Research Program, c/o Graduate School of Oceanography, Narragansett Bay Campus, Narragansett, RI 02882-1197
- SH = NOAA National Marine Fisheries Service, 74 Magruder Rd., Highlands, NJ 07732
- VA = NOAA/Virginia Cooperative Marine Education and Research Program, Virginia Institute of Marine Science, Gloucester Point, VA 23062
- WH = NOAA National Marine Fisheries Service, 166 Water St., Woods Hole, MA 02543-1026

## Introduction

The following bibliography consists of three sections: (1) anonymously peer-reviewed publications (“publications”); (2) transparently peer-reviewed and non-peer reviewed publications (“reports”); (3) abstracts for oral presentations and poster displays; and (4) web pages and documents. The bibliography covers works prepared by Northeast Fisheries Science Center (NEFSC) employees which have a 2009 publication date. Authors who were NEFSC employees at the time they composed their works, and/or who were NEFSC employees during all or part of 2009, are designated by capital letters.

Editorial treatment of bibliographic entries is based on the Council of Science Editors style manual, seventh<sup>1</sup> edition.

Works which have a pre-2009 publication date but which were not released until 2009, or which have a 2009 publication date but had not been released at the time this list was published, have been included in this issue. They are noted by an asterisk (\*) next to the publication date.

A hyperlinked list of organization acronyms has been included on the following page.

Availability of reprints of publications and of photocopies of reports and abstracts varies for each work. Any initial request for a reprint or photocopy should be directed to the sole/senior NEFSC author of the work. See “Ordering Information” above for details.

Bibliographies of publications, reports, and abstracts for earlier years are available online at: <http://www.nefsc.noaa.gov/nefsc/publications/lists/lists.htm>.

---

1. Council of Science Editors, Style Manual Committee. 2006. Scientific style and format: the CSE manual for authors, editors, and publishers. 7th ed. Reston, VA: The Council; 658 p.

## List of Organization Acronyms

- AFS = [American Fisheries Society](#)
- ASIH = [American Society of Ichthyologists and of Herpetologists](#)
- ERF = [Estuarine Research Federation](#)
- GLOBEC = [Global Ocean Ecosystem Dynamics](#)
- IBAMA = [Instituto Brasileiro do Meio Ambiente E Dos Recursos Naturais Renováveis](#) (Brazilian Institute of Environment and Renewable Natural Resources)
- IUGG = [International Union of Geodesy and Geophysics](#)
- JMBA = [Journal of the Marine Biological Association](#)
- ICES = [International Council for the Exploration of the Sea](#)
- MACOORA = [Mid-Atlantic Coastal Ocean Observing Regional Association](#)
- NAAFE = [North American Association of Fisheries Economists](#)
- NAFO = [Northwest Atlantic Fisheries Organization](#)
- NAPA = [National Association for the Practice of Anthropology](#)
- NASA = [National Aeronautics and Space Administration](#)
- NEFSC = [Northeast Fisheries Science Center](#)
- NMFS = [National Marine Fisheries Service](#)
- NOAA = [National Oceanic and Atmospheric Administration](#)
- PICES = [North Pacific Marine Science Organization](#)
- SAW = [Stock Assessment Workshop](#)
- SfAA = [Society for Applied Anthropology](#)
- TRAC = [Transboundary Resource Assessment Committee](#)
- UJNR = [US-Japan Natural Resources Aquaculture Panel](#)
- VIMS = [Virginia Institute of Marine Science](#)

## Publications

- Aires-da-Silva AM, Maunder MN, KOHLER NE, HOEY JJ, Gallucci VF. 2009. A spatially-structured tagging model to estimate movement and fishing mortality rates for the blue shark (*Prionace glauca*) in the north Atlantic Ocean. *Aus J Mar Fresh Res.* 60:1029-1043. [NG]
- Auster PJ, LINK JS. 2009. Compensation and recovery of feeding guilds in a northwest Atlantic shelf fish community. *Mar Ecol Prog Ser.* 382:163-172. [WH]
- Begg GA, CADRIN SX. 2009. Stock identification. In: Jakobsen T, Fogarty MJ, Megrey BA, Moksness E, editors. *Fish Reproductive Biology and its Implications for Assessment and Management.* Oxford (UK): Wiley-Blackwell. p. 230-253. [NB]
- Belkin IM, Cornillon PC, SHERMAN K. 2009. Fronts in Large Marine Ecosystems. *Prog Oceanogr.* 81(1-4): 223-236. [NG]
- Belkin IM, O'REILLY JE. 2009. An algorithm for oceanic front detection in chlorophyll and SST satellite imagery. *J Mar Sys.* 78(3):317-326. [NG]
- Bernal D, Sepulveda C, Musyl M, BRILL RW. 2009. The eco-physiology of swimming and movement patterns of tunas, billfishes, and large pelagic sharks. In: Domenici P, Kapoor BG, editors. *Fish Locomotion: an Etho-ecological Approach.* Enfield (NH): Science Publishers. p. 436-483. [VA]
- Boye J, Musyl M, BRILL R, Malte H. 2009. Transactional heat transfer in thermoregulating bigeye tuna (*Thunnus obesus*) – a 2-D heat flux model. *J Exp Biol.* 212:3708-3718. [VA]
- Breitburg DL, Craig JK, Fulford RS, Rose KA, Boynton WR, Brady D, Ciotti BJ, Diaz RJ, FRIEDLAND KD, Hagy JD, III, HART DR, Hines AH, Houde ED, Kolesar SE, Nixon SW, Rice JA, Secor DH, Targett TE. 2009. Nutrient enrichment and fisheries exploitation: interactive effects on estuarine living resources and their management. *Hydrobiologia.* 629:31-47. [NG]
- BRILL R, Bushnell P, Smith L, Speaks C, Sundaram R, Stroud E, Wang J. 2009. The repulsive and feeding deterrent effects of electropositive metals on captive juvenile sandbar sharks, *Carcharhinus plumbeus*. *Fish Bull.* 107(3):298-307. [VA]
- BRINSON A, Die D, Bannerman P, Diatta Y. 2009. Socioeconomic performance of West African fleets that target Atlantic billfish. *Fish Res.* 99(1):55-62. [WH]
- BROWN C, Liu JY, Ting-Bao Y. 2009. Population genetic structure and historical demography of grey mullet, *Mugil cephalus*, along the coast of China, inferred by analysis of the mitochondrial control region. *Biochem Syst Ecol.* 37(5): 556-566. [MF]



- Buckel JA, Pessutti J, Rosendale J, LINK J. 2009. Interactions between bluefish and striped bass: behavior of bluefish under impaired conditions and overlap in resource use. *J Exp Mar Biol Ecol.* 368:129-137. [WH]
- CADRIN SX, Secor DH. 2009. Accounting for spatial population structure in stock assessment: past, present and future. In: Beamish RJ, Rothschild BJ, editors. *The Future of Fisheries Science in North America*. Philadelphia (PA): Springer Science+Business Media LLC. p. 405-426. [WH]
- CHASE P, Love J. 2009. Geometric morphological differences distinguish populations of scup in the northwestern Atlantic Ocean. *Mar Coast Fish.* 1:22-28. [WH]
- COLLETTE BB, Greenfield DW. 2009. *Batrachus uranoscopus* Guichenot, 1866 supposedly from Madagascar, is not a threatened species of toadfish (Batrachoididae). *Cybium.* 33(1):79-80. [NS]
- Courtenay WR, COLLETTE BB, Essington TE, Hilborn R, Orr JW, Pauly D, Randall JE, Smith-Vaniz WF. 2009. Risks of introductions of marine fishes: reply to Briggs. *Fisheries.* 34(4):181-186. [NS]
- Craddock JE, Polloni PT, Hayward B, WENZEL FW. 2009. Fishes and cephalopods in the diet of Atlantic white-sided dolphins (*Lagenorhynchus acutus*) off the coast of New England. *Fish Bull.* 107(3): 384-394. [WH]
- Dankel DJ, Jacobson N, Georgianna D, CADRIN SX. 2009. Can we increase haddock yield within the constraints of the Magnuson-Stevens Act? *Fish Res.* 100(3):240-247. [NB]
- Delarues J, Todd S, VAN PARIJS SM. 2009. Geographic variations in northwest Atlantic fin whale (*Balaenoptera physalus*) song: implications for stock structure assessment. *J Acoust Soc Am.* 123(3):1774-1782. [WH]
- Dickhut RM, DESHPANDE AD, Cincinelli A, Cochran MA, Corsolini S, BRILL RW, Secor DH, Graves JE. 2009. North Atlantic bluefin tuna (*Thunnus thynnus*) population dynamics delineated by persistent organochlorine tracers. *Environ Sci & Technol.* 43:8522-8527. [SH]
- Dohrmann M, COLLINS AG, Wörheide G. 2009. New insights into the phylogeny of glass sponges (Porifera, Hexactinellida): Monophyly of Lyssacinosa and Euplectellinae, and the phylogenetic position of euretidae. *Mol Phylogen Evol.* 52:257-262. [NS]
- Dohrmann M, Janussen D, COLLINS AG, Wörheide G. 2009. Phylogeny and evolution of glass sponges (Porifera, Hexactinellida). *Syst Biol.* 57(3):388-405. [NS]
- Drinkwater KF, Mueter F, FRIEDLAND KD, TAYLOR M, Hunt Jr GL, HARE J, Melle W. 2009. Recent climate forcing and physical oceanographic changes in Northern Hemisphere regions: a review and comparison of four marine ecosystems. *Prog Oceanogr.* 81:10-28. [NG]

- FRIEDLAND K. 2009. Reply to the comment by Payne et al. on "Does the fall phytoplankton bloom control recruitment of Georges Bank haddock, *Melanogrammus aeglefinus*, through parental condition?" Can J Fish Aquat Sci. 66(5):873-877. [NG]
- FRIEDLAND K, Chaput G, Moore D, Hogan F. 2009. Retrospective growth analysis of Atlantic salmon from the Miramichi River, Canada. Can J Fish Aquat Sci. 66(8):1294-1308. [NG]
- FRIEDLAND K, Peyronnet AJ, Karlsson L, Reddin DG, Maoiléidigh NO, McCarthy JL. 2009. The recruitment of Atlantic salmon in Europe. ICES J Mar Sci. 66(2):289-304. [NG]
- Gaichas S, Skaret G, Falk-Peterson J, LINK JS, OVERHOLTZ W, Megrey BA, Gjoesaeter H, Stockhausen W, Dommasnes A, FRIEDLAND KD, Aydin K. 2009. A comparison of community and trophic structure in five marine ecosystems based on energy budgets and system metrics. Prog Oceanogr. 81:47-62. [WH]
- Galli GLJ, Shiels HA, BRILL RW. 2009. Cardiac temperature sensitivity in yellowfin tuna (*Thunnus albacares*), bigeye tuna (*T. obesus*), mahimahi (*Coryphaena hippurus*) and swordfish (*Xiphias gladius*). Physiol and Biochem Zool. 82:280-290. [VA]
- GAMBLE RJ, LINK JS. 2009. Analyzing the tradeoffs among ecological and fishing effects on an example fish community: a multispecies (fisheries) production model. Ecol Model. 220:2570-2582. [WH]
- Gilman E, Gearhart J, Price B, Eckert S, MILLKEN H, Chaloupka M, Dalzell P, Ishizaki A, Mangel J, Alfaro-Shigueto J. 2009. Mitigating Sea turtle bycatch in coastal gillnet and pound net fisheries. In: Gilman E, editor. Proceedings of the Technical Workshop on Mitigating Sea Turtle Bycatch in Coastal Net Fisheries. 2009 20-22 January; Honolulu HI. International Union for the Conservation of Nature. 37 p. [WH]
- Govoni JJ, HARE JA, Davenport ED, Chen MH, MARANCIK KE. 2009. Mesoscale, cyclonic eddies as larval fish habitat along the southeast United States shelf: a Lagrangian description of the zooplankton community. ICES J Mar Sci. 67(3):403-411. [NG]
- Gray KN, McDowell JR, COLLETTE BB, Graves JE. 2009. An investigation of the global population structure of the marlinsucker (*Remora osteochir*) inferred from mitochondrial control region DNA sequence analysis. Bull Mar Sci. 84(1):25-42. [NS]
- Gray KN, McDowell JR, COLLETTE BB, Graves JE. 2009. A molecular phylogeny of the remoras and their relatives. Bull Mar Sci. 84(2):183-198. [NS]
- Gurshin CWD, JECH JM, Howell WH, Weber TC, Mayer LA. 2009. Acoustic backscatter and density measurements of captive Atlantic cod using a 300-kHz multi-beam sonar synchronized with a 120kHz split-beam echosounder. ICES J Mar Sci. 66:1303-1309. [WH]
- Harris JE, MCBRIDE RS. 2009. American shad feeding on spawning grounds in the St. Johns River, Florida. Trans Am Fish Soc. 138:888-898. [WH]

- HART D. 2009. Improving utilization of the Atlantic sea scallop resource: an analysis of rotational management of fishing grounds: comment. *Land Econ.* 85:379-383. [WH]
- HART D, CHUTE A. 2009. Estimating von Bertalanffy growth parameters from growth increment data using a linear mixed-effects model, with an application to the sea scallop *Placopecten magellanicus*. *ICES J Mar Sci.* 66(10):2165-2175. [WH]
- HART D, Sissenwine M. 2009. Marine reserve effects on fishery profits: a comment on White et al. (2008). *Ecol Lett.* 12:E9-E11. [WH]
- HART DR, CHUTE AS. 2009. Verification of Atlantic sea scallops (*Placopecten magellanicus*) shell growth rings by tracking cohorts in fishery closed areas. *Can J Fish Aquat Sci.* 66(5):751-758. [WH]
- HÉGARET H, Mirella da Silva P, Sunila I, DIXON MS, ALIX J, Shumway SE, WIKFORS GH, Soudant P. 2009. Perkinsosis in the Manila clam *Ruditapes philippinarum* affects responses to the harmful-alga *Prorocentrum minimum*. *J Exp Mar Biol Ecol.* 371:112-120. [MF]
- Helfman GS, COLLETTE BB, Facey DE, Bowen B. 2009. *The diversity of fishes: Biology, Evolution, and Ecology.* 2<sup>nd</sup> edition. West Sussex (UK): Wiley-Blackwell. 720 p. [NS]
- Hernandez F, Fey D, HARE J. 2009. Evaluating diel, ontogenetic and environmental effects on larval fish vertical distribution using Generalized Additive Models for Location, Scale and Shape (GAMLSS). *Fish Oceanogr.* 18(4):224-236. [NG]
- Hewitt DA, LINK JS, Wahl DH, Cooke SJ, Mather ME. 2009. Evaluating the AFS Journals: tradeoffs between influence and value. *Fisheries.* 34:598-606. [WH]
- Hoolihan JP, Luo J, RICHARDSON DE, Snodgrass D, Orbesen ES, Prince ED. 2009. Vertical movement rate estimates for Atlantic isophorid billfishes derived from high resolution pop-up satellite archival data. *Bull Mar Sci.* 84:257-264. [NG]
- JACOBSON LD, Bograd SJ, Parrish RH, Mendelsohn R, Schwing FB. 2009. Corrigendum: an ecosystem-based hypothesis for climatic effects on surplus production in California sardine (*Sardinops sagax*) and environmentally dependent surplus production models. *Can J Fish Aquat Sci.* 66(3): 510-511. [WH]
- Jagannathan S, Bertatos I, Symonds D, Chen T, Nia HT, Jain AD, Andrews M, Gong Z, Nero R, Ngor L, JECH M, Godo OR, Lee S, Ratilal P, Makris N. 2009. Ocean Acoustic Waveguide Remote Sensing (OAWRS) of marine ecosystems. *Mar Ecol Prog Ser.* 395:137-160. [WH]
- Judkins H, VECCHIONE M, Roper CFE. 2009. Cephalopods (Mollusca: Cephalopoda) of the Gulf of Mexico. In: Felder D, Camp DA, editors. *Gulf of Mexico Origin, Waters, and Biota Biodiversity, Volume 1.* College Station (TX): Texas A&M University Press: Chapter 34: 701-710. [NS]

- Koeller P, Fuentes-Yaco C, Platt T, Sathyendranath S, RICHARDS A, Ouellet P, Orr D, Skúladóttir U, Wieland K, Savard L, Aschan M. 2009. Basin-scale coherence in phenology of shrimps and phytoplankton in the North Atlantic Ocean. *Science*. 324(5928):791-793. [WH]
- Kristiansen T, Jørgensen C, LOUGH RG, Vikebø F, Fiksen O. 2009. Modeling rule-based behavior: habitat selection and the growth survival trade off in larval cod. *Behav Ecol*. 20(3):490-500. [WH]
- Lee M-Y, MUNROE TA, Chen H-M. 2009. A new species of tonguefish (Pleuronectiformes: Cynoglossidae) from Taiwanese waters. *Zootaxa*. 2203:49-58. [NS]
- LI Y, VEILLEUX DJ, WIKFORS GH. 2009. Particle removal by northern bay scallops *Argopecten irradians irradians* in a semi-natural setting: application of a flow-cytometric technique. *Aquaculture*. 296 (3-4):237-245. [MF]
- LINK J, COL L, GUIDA V, DOW, D, O'REILLY J, GREEN J, OVERHOLTZ W, PALKA D, LEGAULT C, VITALIANO J, GRISWOLD C, FOGARTY M, FRIEDLAND K. 2009. Response of balanced network models to large-scale perturbation: implications for evaluating the role of small pelagics in the Gulf of Maine. *Ecol Model*. 220(3):351-369. [WH]
- LINK JS, IDOINE JS. 2009. Predator consumption estimates of the northern shrimp *Pandalus borealis* with implications for estimates of population biomass in the Gulf of Maine. *N Am J Fish Manage*. 29:1567-1583. [WH]
- LINK JS, Stockhausen WT, Skaret G, OVERHOLTZ W, Megrey BA, Gjosaeter H, Gaichas S, Dommasnes A, Falk-Peterson J, Kane J, Mueter FS, FRIEDLAND KD, HARE JA. 2009. A comparison of biological trends from four marine ecosystems: synchronies, differences, and commonalities. *Prog Oceanogr*. 81: 29-46. [WH]
- MACKENZIE CL, Jr. 2009. Small scale commercial culturing of northern bay scallops, *Argopecten irradians irradians*, in Atlantic United States and Canada. *Mar Fish Rev*. 71(3):46-49. [SH]
- Magel CR, Shields JD, BRILL R. 2009. Idiopathic lesions and visual deficits in clawed lobsters (*Homarus americanus*) from Long Island Sound, NY. *Biol Bull*. 217:95-101. [VA]
- Maki KL, MCBRIDE RS, 2009. Reproductive biology of wahoo, *Acanthocybium solandri*, from the Atlantic coast of Florida and the Bahamas. *Mar Freshwater Res*. 60(9):893-897. [WH]
- Makris N, Ratilal P, Jagannathan S, Gong Z, Andrews M, Bertsatos I, Godo OR, Nero R, JECH JM. 2009. Critical population density triggers rapid formation of vast oceanic fish shoals. *Science*. 323: 1734-1737. [WH]
- MANNING J, Pelletier E. 2009. Environmental Monitors on Lobster Traps (eMOLT): long term observations of New England's bottom-water temperatures. *J Oper Oceanogr*. 2(1):25-33. [WH]

- MANNING JP, McGillicuddy D, Churchill J, Incze L, Pettigrew N. 2009. Drifter observations of Gulf of Maine coastal current. *Continent Shelf Res.* 29(7):835-845. [WH]
- MCBRIDE RS. 2009. Several books to read and thereby delay writing your thesis. *Fisheries.* 34(2):80-82. [WH]
- MCBRIDE RS, Sulak KJ, Thurman PE, RICHARDSON AK. 2009. Age, growth, mortality and reproduction of roughtongue bass, *Pronotogrammus martinicensis* (Serranidae), in the northeastern Gulf of Mexico. *Gulf of Mexico Sci.* 27(1):30-38. [WH]
- Megrey B, HARE JA, Stockhausen WT, Dommasnes A, Gjørseter H, OVERHOLTZ W, Gaichas S, Skaret G, Falk-Petersen J, LINK J, FRIEDLAND K. 2009. A cross-ecosystem comparison of spatial and temporal patterns of covariation in the recruitment of functionally analogous fish stocks. *Prog Oceanogr.* 81:63-92. [WH]
- Megrey BA, LINK JS, Hunt GL, Moksness E. 2009. Comparative marine ecosystem analysis: applications, opportunities, and lessons learned. *Prog Oceanogr.* 81:29-46. [WH]
- Megrey BA, LINK JS, Moksness E. 2009. Comparative marine ecosystem structure and function: descriptors and characteristics. *Prog Oceanogr.* 81:1. [WH]
- MELLO JJ, Carrington E, Moeser GM, Dimond J, Boller ML. 2009. Seasonal disturbance to mussel beds: field test of a mechanistic model predicting wave dislodgment. *Limnol Oceanogr* 54(3):978-986. [WH]
- MERRICK RL, DeMaster DP, Reynolds J, Silber G. 2009. Endangered species and Populations. In: Perrin WF, Wursig B, Thewissen JGM, editors. *Encyclopedia of Marine Mammals*. 2<sup>nd</sup> edition. Maryland Heights (MO): Academic Press. p. 368-374. [WH]
- MILLIKEN HO, Farrington M, Rudolph T, Sanderson M. 2009. Survival of discarded sub-legal Atlantic cod in the northwest Atlantic demersal longline fishery. *N Am J Fish Manage.* 29:985–995. [WH]
- MOSER J, SHEPHERD G. 2009. Seasonal distribution and movement of Black sea bass, *Centropristis striata*, in the northwest Atlantic as determined from a mark-recapture experiment. *J Northw Atl Fish Sci.* 40:17-28. [WH]
- MOUSTAHDID H, LINK J, OVERHOLTZ WJ, TYRRELL M. 2009. The advantage of explicitly incorporating predation mortality into age-structured stock assessment models: an application for Atlantic mackerel. *ICES J Mar Sci.* 66(3):445-454. [WH]
- MOUSTAHDID H, TYRRELL MC, LINK JS. 2009. Accounting explicitly for predation mortality in surplus production models: an application to longfin inshore squid. *N Am J Fish Manage.* 29:1555-1566. [WH]
- Mueter FJ, Broms C, Drinkwater KF, FRIEDLAND KD, HARE JA, Hunt Jr GL, Melle W, TAYLOR M. 2009. Ecosystem responses to recent oceanographic variability in high latitude Northern Hemisphere ecosystems. *Prog Oceanogr.* 81:93-110. [NG]

- MUNROE TA. 2009. Family Cynoglossidae. In: K Nakaya et al. (editors). Deep-Sea Fishes of Peru (Libro de Peces de Aguas Profundas del Peru). Tokyo (Japan), Lima (Peru): Japan Deep Sea Trawlers Association and Instituto del Mar del Peru. 31-319. [NS]
- MURRAY K. 2009. Characteristics and magnitude of sea turtle bycatch in the U.S. mid-Atlantic sink gillnet gear. *Endangered Species Res.* 8:211-224. [WH]
- Musyl MK, Moyes CD, BRILL RW, Fragoso NM. 2009. Factors influencing mortality estimates in post-release survival studies: comment on Campana et al. *Mar Ecol Prog Ser.* 396:157-159. [VA]
- NYE J, LINK J, OVERHOLTZ W, HARE J. 2009. Changing spatial distribution of fish stocks in relation to climate and population size on the northeast United States continental shelf. *Mar Ecol Prog Ser.* 393:111-129. [NG]
- ORPHANIDES CD. 2009. Protected species bycatch estimating approaches: estimating harbor porpoise bycatch in U.S. northwestern Atlantic gillnet fisheries. *J Northwest Atl Fish Sci.* 42:55-76. [WH]
- OVERHOLTZ W, LINK J. 2009. A simulation model to explore the response of the Gulf of Maine food web to large scale environmental and ecological changes. *Ecol Model.* 220:2491-2502. [WH]
- PALKA D, ROSSMAN M, VAN ATTEN A, ORPHANIDES C. 2009. Effect of pingers on harbor porpoise (*Phocoena phocoena*) bycatch in the US northeast gillnet fishery. *J Cetacean Res Manage.* 10(3):217-226. [WH]
- PALMER M, WIGLEY SE. 2009. Using positional data from vessel monitoring systems to validate the logbook-reported area fished and the stock allocation of commercial fisheries landings. *N Am J Fish Manage.* 28:928-942. [WH]
- Patrician MR, Biedron IS, Esch HC, WENZEL FW, Cooper LA, Hamilton PK, GLASS AH, Bamgartner MF. 2009. Evidence of a north Atlantic right whale calf (*Eubalaena glacialis*) born in northeastern U.S. waters. *Mar Mamm Sci.* 25(2):462-477. [WH]
- PERRY DM, REDMAN DH, MERCALDO-ALLEN R, KUROPAT CA. 2009. Growth of juvenile scup, *Stenotomus chrysops*, fed three commercial diets. *J Appl Aquacult.* 21:196-203. [MF]
- Persson A, SMITH BC. 2009. Consumption of *Scrippsiella lachrymosa* resting cysts by the eastern oyster (*Crassostrea virginica*). *J Shellfish Res.* 28(2):221-225. [MF]
- Persson A, SMITH BC. 2009. Grazing on a natural assemblage of ciliate and dinoflagellate cysts by the eastern oyster *Crassostrea virginica*. *Aquat Biol.* 6:227-233. [MF]
- Petrik CM, Kristiansen T, LOUGH G, Davis CS. 2009. Prey selection by larval haddock and cod on copepods with species-specific behavior: an individual-based model analysis. *Mar Ecol Prog Ser.* 396:123-143. [WH]

- Portnoy DA, McDowell JR, MCCANDLESS C, Musick JA, Graves JE. 2009. Effective size closely approximates the census size in the heavily exploited western Atlantic population of the sandbar shark, *Carcharhinus plumbeus*. *Conserv Genet.* 10(6):1697-1705. [NG]
- Pranovi F, LINK JS. 2009. Ecosystem exploitation and trophodynamic indicators: a comparison between the northern Adriatic Sea and southern New England. *Prog Oceanogr.* 81:149-164. [WH]
- RICHARDSON DE, Cowen RD, Prince ED, Sponaugle S. 2009. Importance of the Straits of Florida spawning ground to Atlantic sailfish (*Istiophorus platypterus*) and blue marlin (*Makaira nigricans*). *Fish Oceanogr.* 18:402-418. [NG]
- RICHARDSON DE, Llopiz JK, Leaman KD, Vertes PS, Muller-Karger FE, Cowen RK. 2009. Sailfish (*Istiophorus platypterus*) spawning and larval environment in a Florida current frontal eddy. *Prog Oceanogr.* 82:252-264. [NG]
- Secor D, Kerr L, CADRIN SX. 2009. Connectivity effects on productivity, stability, and persistence in a herring metapopulation model. *ICES J Mar Sci.* 66(8):1726-1732. [NB]
- SHEEHAN TF, LEGAULT CM, King TL, Spidle AP. 2009. Probabilistic-based genetic assignment model: assignments to subcontinent of origin of the west Greenland Atlantic salmon harvest. *ICES J Mar Sci.* 67(3):537-550. [WH]
- SHERMAN K, Belkin, FRIEDLAND KD, O'REILLY J, HYDE K. 2009. Accelerated warming and emergent trends in fisheries biomass yields of the world's Large Marine Ecosystems. *Ambio.* 38(4):215-224. [NG]
- STEHLIK LL. 2009. Effects of seasonal change on activity rhythms and swimming behavior of age-0 bluefish (*Pomotomus saltatrix*) and a description of gliding behavior. *Fish Bull.* 107(1):1-12. [SH]
- STEINBACK S, Wallmo K, CLAY P. 2009. Saltwater sport fishing for food or income in the northeastern US: statistical estimates and policy implications. *Mar Pol.* 33(1):49-57. [WH]
- Sulikowski JA, Ciciaa AM, Kneeboneb JR, NATANSON LJ, Tsang PCW. 2009. Age and size at sexual maturity of the smooth skate, *Malacoraja senta*, from the western Gulf of Maine. *J Fish Biol.* 75(10):2832-2838. [NG]
- Taylor JC, Walsh H, Mitchell W, Shertzer K, Bath Martin G, HARE JA, Buckel J. 2009. Relationship between larval and juvenile abundance of winter-spawned fishes in North Carolina, USA. *Mar Coast Fish.* 1(1):12-21. [RI]
- Thorarinsdóttir GG, JACOBSON L, Ragnarsson SA, Garcia EG, Gunnarsson K. 2009. Capture efficiency and size selectivity of hydraulic clam dredges used in fishing for ocean quahogs (*Arctica islandica*): simultaneous estimation in the SELECT model. *ICES J Mar Sci.* 67(2):345-354. [WH]

- THUNBERG E, Portman M, Jin D. 2009. Waterfront land use change and marine resource conditions; the case of New Bedford and Fairhaven, Massachusetts. *Ecol Econ.* 68:2354-2362. [WH]
- Van Opzeeland IC, KinderMann L, Boebel O, VAN PARIJS SM. 2009. Insights into the acoustic behaviour of polar pinnipeds - current knowledge and emerging techniques of study. In: Weber EA, Krause LH, editors. *Animal Behavior: New Research*. Hauppauge (NY): Nova Science Publishers. 94-133. [WH]
- VECCHIONE M, Allcock L, Piatkowski U, Jorgensen E, Barratt I. 2009. Persistent elevated abundance of octopods in an overfished Antarctic area. In: Krupnik I., Lang MA, Miller SE, editors. *Smithsonian at the Poles: Contributions to International Polar Year Science*. 423 p. [NS]
- VECCHIONE M, Allcock L, Piatkowski U, Strugnell J. 2009. *Benthoctopus rigbyi* n. sp., a newly recognized species of cephalopod (Octopoda; Incirrata) from the vicinity of the Antarctic Peninsula. *Malacologia*. 51(1):15-28. [NS]
- WALDEN J, Kirkley J, Fare R. 2009. Measuring and Managing Fishing Capacity. In: Quentin GR, Hilborn R, Squires D, Tait M, Williams M, editors. *Handbook of Marine Fisheries Conservation and Management*. Oxford (UK): Oxford University Press. 784 p. [WH]
- Walsh ML, Fairchild EA, Rennels N, Farina SC, Howell WH, MERCALDO-ALLEN R, KUROPAT C. 2009. Rearing diets for winter flounder optimize weaning success in hatchery, wild. *Global Aquacult Adv.* May/June:58-60. [MF]
- Weber TC, Pena H, JECH JM. 2009. Acoustic observations of Atlantic herring schooling behavior in the northwest Atlantic. *ICES J Mar Sci.* 66:1270-1277. [WH]
- Weinstein MP, Litvin SY, GUIDA VG, CHAMBERS RC. 2009. Is global climate change influencing the distribution of weakfish *Cynoscion regalis*? *J Fish Biol.* 75:693-698. [SH]
- WENZEL F, Allen J, Berrow S, Hazevoet C, Jann B, Seton RE, López Suárez P, Whooley P. 2009. Current knowledge on the distribution and relative abundance of humpback whales (*Megaptera novaeangliae*) off the Cape Verde Islands, eastern north Atlantic. *Aquat Mamm.* 35(4):502-510. [WH]
- Wood AD, Wetherbee BW, Wilga C, KOHLER NE, Juanes F. 2009. Recalculated diet and daily ration of the shortfin mako (*Isurus oxyrinchus*), with a focus on quantifying predation on bluefish (*Pomatomus saltatrix*) in the northwest Atlantic Ocean. *Fish Bull.* 107(1):76-88. [NG]
- Wood AJM, Collie JS, HARE JA. 2009. A comparison between warm-water fish assemblages of Narragansett Bay and those of Long Island Sound waters. *Fish Bull.* 107(1):89-100. [NG]
- Worm B, Hilborn R, Baum J, Branch T, Collie JS, Costello C, FOGARTY MJ, Fulton EA, Hutchings JA, Jennings S, Jensen OP, Lotze HK, Mace PM, McClanah TR. 2009. Rebuilding global fisheries. *Science.* 325(5940):578-585. [WH]



## Reports

- ALADE LA, Franzin B. 2009. President's Hook: recognizing diversity in AFS. Fisheries. 34(2): 56. [WH]
- BROOKS L, TRAVER M, Van Eeckhaute L. 2009. Assessment of eastern Georges Bank haddock for 2008. TRAC Ref Doc. 2008/02; 83 p. [WH]
- CADRIN SX, Barkley A. 2009. Mitigating bycatch with spatial and temporal hot-spot avoidance using patterns in discard mortality rate. ICES CM 2009 (M-17); 17 p. [NB]
- CADRIN SX, Bernreuther M, Hjörleifsson E, Kerr L, Mariani S, Pampoulie C, Reinert J, Strankys C. 2009. Mechanisms and consequences of life cycle diversity of beaked redfish (*Sebastes mentella*). ICES CM 2009 (H-01); 11 p. [NB]
- CADRIN SX, Martins D, Loehrke J, Kerr L, DeCelles G, Goethel D, Bank C. 2009. Stock structure of New England groundfish – connectivity and heterogeneity at multiple scales. In: Mendelson M, editor. Proceedings from Exploring Fine-scale Ecology for Groundfish In the Gulf of Maine and Georges Bank; 2009 Apr 2-3; York Harbor (ME). [NB]
- Chapman D, Donovan C, Bishop R. 2009. Study of the economic benefits of right whale protection in the northwest Atlantic: Phase 1, Year 2 Report. NOAA Contract Grant No. EA133F-05-NC3251. Final Report; 221 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/reports/StratusConsulting2009.pdf>
- COLBURN LL, CLAY PM. 2009. Oral histories as a tool in Social Impact Assessment in northeast U.S. fisheries. Annual meeting of the Int Mar Conserv Soc. 2009 May 20–24; Fairfax (VA). 4 p. [WH]. Available at: [http://www2.cedarcrest.edu/imcc/Program\\_Abstracts/data/documents/p297136.pdf](http://www2.cedarcrest.edu/imcc/Program_Abstracts/data/documents/p297136.pdf)
- COL L, LEGAULT C. 2009. The 2008 assessment of Atlantic halibut in the Gulf of Maine-Georges Bank region. NEFSC Ref Doc. 09-08; 39 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0908/>
- Dulvy N, Chassot E, Hyemans J, HYDE K, Pauly D, Platt T, SHERMAN K. 2009. Climate change, ecosystem variability and fisheries productivity. In: Forget M-H, Stuart V, and Platt T, editors. Reports of the International Ocean-Colour Coordinating Group (IOCCG). Dartmouth (NS). 2009(8); 120 p. [NG]
- Ecosystems Assessment Program. 2009. Ecosystem assessment report for the northeast U.S. continental shelf Large Marine Ecosystem. NEFSC Ref Doc. 09-11; 34 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0911/>
- Ecosystems Surveys Branch. 2009. Resource survey report: surfclam/Ocean quahog survey. Informal report; 19 p. [WH] c/o Russell Brown. <http://www.nefsc.noaa.gov/esb/>

- Ecosystems Surveys Branch. 2009. Resource survey report; bottom trawl survey, fall 2008. Informal report; 36 p. [WH] c/o Russell Brown. <http://www.nefsc.noaa.gov/esb/>
- Gauss R, Fialkowski J, Kunz E, Menis R, Stanton T, Sellers C, JECH M. 2009. Clutter variability due to fish aggregations: mid-frequency measurements in the Gulf of Maine. In: Underwater Acoustic Measurements 3rd International Conference and Exhibition; 2009 June 21-26; Nafplion (Greece). [WH]
- GLASS AH, COLE TVN, GARRON M. 2009. Mortality and serious injury determinations for baleen whale stocks along the United States eastern seaboard and adjacent Canadian maritimes, 2003-2007. (2<sup>nd</sup> edition). NEFSC Ref Doc. 09-04; 19 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0904/>
- Grégoire F, SHEPHERD N, SUTHERLAND SJ. 2009. Inter-laboratory ageing exchange of Atlantic mackerel (*Scomber scombrus*) otoliths for the 2009 Transboundary Resources Assessment Committee assessment. TRAC Ref Doc. 2009/08; 9 p. [WH]
- HYDE K, O'REILLY J, TAYLOR M, HARE J, FOGARTY M. 2009. Multi-decadal analysis of phytoplankton biomass and production in the northeast U.S. continental shelf Large Marine Ecosystem. ICES CM. 2009/D:04. [NG]
- KHAN C, COLE TVN, DULEY P, GLASS AH, NIEMEYER M, CHRISTMAN C. 2009. North Atlantic Right Whale Sighting Survey (NARWSS) and Right Whale Sighting Advisory System (RWSAS) 2008 results summary. NEFSC Ref Doc. 09-05; 8 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0905/>
- KOCIK JF, HAWKES JP, SHEEHAN TF, MUSIC PA, Beland KF. 2009. Assessing estuarine and coastal migration and survival of wild Atlantic salmon smolts from the Narraguagus River, Maine, using ultrasonic telemetry. In: Haro AJ, Smith KL, Rulifson RA, Moffitt CM, Klauda RJ, Dadswell MF, Cunjak RA, Cooper JE, Beal KL, Aver TS, editors. Challenges for Diadromous Fishes in a Dynamic Global Environment. American Fisheries Society Symposium 69. 2009; 293-310. [OR]
- Koeller P, FRIEDLAND K, Fuentes-Yaco C, Han G, Kulka D, O'REILLY J, RICHARDS A, TAYLOR M, Platt T. 2009. Remote sensing applications in stock assessments. In: Forget M-H, Stuart V, and Platt T, editors. Reports of the International Ocean-Colour Coordinating Group (IOCCG). Dartmouth (NS). 2009(8); 120 p. [NG]
- LEGAULT CM. 2009. Report of the retrospective working group. NEFSC Ref Doc. 09-01; 30 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0901/>
- LEGAULT CM, ALADE L, Clark KJ. 2009. Stock assessment of Georges Bank yellowtail flounder for 2009. TRAC Ref Doc. 2009/03; 72 p.
- MANDERSON J, PHELAN B, Kohut J. 2009. Fish and physics: using ocean observing systems to measure effects of seascape dynamics of fisheries recruitment. ICES CM 2009/K:11; 6 p. [SH]

- MAYO RK, O'BRIEN L, COL L, SHEPHERD G, TRAVER M. 2009. The 2008 assessment of the Gulf of Maine Atlantic cod (*Gadus morhua*) stock. NEFSC Ref Doc. 09-03; 128 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0903/>
- Miller MJ, Kimura S, FRIEDLAND KD, Knights B, Kim H, Jellyman DJ, Tsukamoto K. 2009. Review of ocean-atmospheric factors in the Atlantic and Pacific Oceans influencing spawning and recruitment of anguillid eels. In: Haro AJ, Smith KL, Rulifson RA, Moffitt CM, Klauda RJ, Dadswell MF, Cunjak RA, Cooper JE, Beal KL, Aver TS, editors. Challenges for Diadromous Fishes in a Dynamic Global Environment. American Fisheries Society Symposium 69. 2009: 231-239
- MILLIKEN HO, FOGARTY M. 2009. Determination of conversion factors for vessel comparison studies. NEFSC Ref Doc. 09-07; 18 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0907/>
- MURRAY KT. 2009. Proration of estimated bycatch of loggerhead sea turtles in U.S. Mid-Atlantic sink gillnet gear to vessel trip report landed catch, 2002-2006. NEFSC Ref Doc. 09-19; 7 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0919/>
- Northeast Data Poor Stocks Working Group. 2009. The Northeast Data Poor Stocks Working Group report. December 8-12, 2008 meeting. Part A. Skate species complex, deep sea red crab, Atlantic wolfish, scup, black sea bass. Part B. Weakfish. NEFSC Ref Doc. 09-02; 496 p (A) 392 p (B). [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0902/>
- Northeast Fisheries Science Center. 2009. 48th Northeast Regional Stock Assessment Workshop (48th SAW) assessment report. NEFSC Ref Doc. 09-15; 834 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0915/>
- Northeast Fisheries Science Center. 2009. 48th Northeast Regional Stock Assessment Workshop (48th SAW) assessment summary report. NEFSC Ref Doc. 09-10; 50p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0910/>
- O'BRIEN L, Clark K, Wang Y, Gavaris S, Hatt B. 2009. Assessment of eastern Georges Bank cod for 2009. TRAC Ref Doc. 2009/01; 46 p. [WH]
- O'BRIEN L, Gavaris S, Van Eeckhaute L. 2009. Update of allocation shares for Canada and the USA of the transboundary resources of Atlantic cod, haddock and yellowtail flounder on Georges Bank through fishing year 2010. TRAC Ref Doc. 2009/05; 25 p. [WH]
- O'BRIEN L, Worcester T. 2009. Transboundary Resources Assessment Committee (TRAC) proceedings. TRAC Proceedings Doc. 2008/01; 35 p. [WH]
- O'BRIEN L, Worcester T. 2009. Proceedings of the Transboundary Resources Assessment Committee (TRAC): Gulf of Maine/Georges Bank herring, eastern Georges Bank cod and haddock, Georges Bank yellowtail flounder. TRAC Ref Doc. 2009/01; 40 p. [WH]

- O'BRIEN L, Worcester T. 2009. 2009 Benchmark assessment review for eastern Georges Bank cod. TRAC Ref Doc. 2009/07; 108 p. [WH]
- ORPHANIDES CD, WETMORE S, Johnson A. 2009. Update on harbor porpoise take reduction plan compliance and consequential bycatch rates from June 2007 through May 2008, pinger tester development, and enforcement from January 2008 through July of 2009. NEFSC Ref Doc. 09-14; 16 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0914/>
- PALKA DL, ORPHANIDES CD, WARDEN M. 2009. Summary of harbor porpoise bycatch in the northeast and mid-atlantic gillnet fisheries after the implementation of the Take Reduction Plan: January 1, 1999 through May 31, 2007. NOAA Tech Memo NMFS NE. 212; 89 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/tm/tm212/>
- Patrick WS, Spencer P, Ormseth O, Cope J, Field J, Kobayashi D, Gedamke T, Cortes E, Bigelow K, OVERHOLTZ W, LINK J, Lawson P. 2009. Use of productivity and susceptibility indices to determine the vulnerability of a stock, with example applications to six U.S. fisheries. NOAA Tech Memo NMFS F/SPO. 101; 90 p. [WH].
- SEITZINGER SP, Lee RY. 2009. Land-based nutrient loading to LMEs: a global watershed perspective on magnitudes and sources. In: Sherman K, Hempel G, editors. The UNEP Large Marine Ecosystem Report: A perspective on changing conditions in LMEs of the world's Regional Seas. UNEP Regional Seas Report and Studies No. 182. Nairobi (Kenya). p. 81-99. [NG]
- SHEPHERD G, Cieri M, Power M, OVERHOLTZ W. 2009. Transboundary Resources Assessment Committee Gulf of Maine/Georges Bank Atlantic herring stock assessment update. TRAC Ref Doc. 2009/04; 44 p. [WH]
- SHEPHERD GR. 2009. Black sea bass 2009 stock assessment update. NEFSC Ref Doc. 09-16; 30 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0916/>
- SHERMAN K, Belkin I, FRIEDLAND K, O'REILLY J, HYDE K. 2009. Accelerated warming and emergent trends in fisheries biomass yields of the world's Large Marine Ecosystems. In: Sherman K, Hempel G, editors. The UNEP Large Marine Ecosystem Report: A perspective on changing conditions in LMEs of the world's Regional Seas. UNEP Regional Seas Report and Studies No. 182. Nairobi (Kenya). p. 41-81. [NG]
- Tallack S, CADRIN SX. 2009. Proceedings from a workshop to identify future research priorities for cod tagging in the Gulf of Maine, 12 February, 2009. NEFSC Ref Doc. 09-09; 84 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0909/>
- TAYLOR MH, HOLZSWARTH-DAVIS T, BASCUÑÁN C, MANNING J. 2009. Description of the 2008 oceanographic conditions on the northeast U.S. continental shelf. NEFSC Ref Doc. 09-12; 28 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0912/>
- TERCEIRO M. 2009. Stock assessment of scup for 2009. NEFSC Ref Doc. 09-18; 82 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0918/>

- TERCEIRO M. 2009. Stock assessment of summer flounder for 2009. NEFSC Ref Doc. 09-17; 132 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0917/>
- TORAN A. 2009. Northeast Fisheries Science Center publications, reports, abstracts, and web documents for calendar year 2008. NEFSC Ref Doc. 09-13; 26p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0913/>
- Wang Y, O'BRIEN L, Gavaris S. 2009. 2009 Benchmark assessment review for eastern Georges Bank cod. TRAC Ref Doc. 2009/07; 108 p. [WH]
- WARING GT, JOSEPHSON E. 2009. US Atlantic and Gulf of Mexico marine mammal stock assessments - 2008. NOAA Tech Memo NMFS NE. 210; 440 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/tm/tm210/>
- WENZEL FW, Nicolas JR, Abend A, Hayward B, compilers. 2009. A bibliography of the long-finned pilot whale, *Globicephala melas*, and the short-finned pilot whale, *Globicephala macrorhynchus*, in the north Atlantic Ocean. NEFSC Ref Doc. 09-06; 47 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0906/>
- WIGLEY S, BLAYLOCK J, RAGO P. 2009. River herring discard estimation, precision and sample size analysis. NEFSC Ref Doc. 09-20; 15 p. [WH]. Available at: <http://www.nefsc.noaa.gov/publications/crd/crd0920/>
- Wilson C, Chen C, Clark C, Fanning P, Forget M-H, FRIEDLAND K, Howell E, Hu C, HYDE K, Kobayashi D, Longhurst A, Monger B, Morales J, Pendleton D, Pershing A, Platt T, Polovina J, Record N, Sathyendranath S, SHERMAN K, Woodard L. 2009. Remote Sensing in Fisheries and Aquaculture. In: Forget M-H, Stuart V, and Platt T, editors. Reports of the International Ocean-Colour Coordinating Group (IOCCG). Dartmouth (NS): 2009(8); 120 p.
- WUENSCHERL M, MCBRIDE R, THORNTON G, NITSCHKE P. 2009. The reproductive biology of female winter flounder (*Pseudopleuronectes americanus*): validating classification schemes to assess the importance of 'skip spawning'. In: Wyanski D, Brown-Peterson, editors. Proceedings of 4th Workshop on gonadal histology of fishes; 2009 June 16-19; El Puerto de Santa Maria, Cadiz (Spain). [WH]

## Abstracts

- ALADE LA, JEARLD A, White G, DeBruyne R, Claussen J, May E, Johnson A, Christenson T, Mistak J, Hawkes E. 2009. Demographic diversity in natural resource science professions: towards an inclusive scientific democracy. [abstract]. 2009 Annual Chapter Meeting of the American Fisheries Society; 2009 Mar 3-4; Burns, TN. [WH]
- ALADE LA, RICHARDS A, MOSER J. 2009. Developing surgical methods for implanting archival tags in monkfish (*Lophius americanus*). [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [WH]
- Andrews K, BROOKS EN, Mangel M, Sanso B. 2009. Estimating natural mortality: conventions, accuracy, and consequences. [abstract]. Natural Mortality Workshop; 2009 Aug 11-14; Seattle, WA. [WH]
- BRILL R, Capossela KM, Fabrizio MC, Bushnell PG. 2009. Physiological responses and tolerances of adult summer flounder to hypoxia. [abstract]. 23<sup>rd</sup> Annual AFS Tidewater Chapter Meeting; 2009 Mar 12-14; Wilmington, NC. [VA]
- BRILL RW. 2009. The repulsive and feeding deterrent effects of electropositive metals on juvenile sandbar sharks (*Carcharhinus plumbeus*). [abstract]. Public Lecture Series; 2009 April 14; University of New Hampshire; Durham, NH. [VA]
- BRINSON A, Die D. 2009. The issues and challenges of managing Atlantic billfish. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [WH]
- BROOKS EN, Walter JF, Porch CE, Ingram WG. 2009. Estimates of natural mortality in juvenile red snapper from two trawl surveys. [abstract]. Natural Mortality Workshop; 2009 Aug 11-14; Seattle, WA. [WH]
- Bundy A, LINK J, SMITH B, Cook A. 2009. You are what you eat, whenever you eat it: an integrative analysis of fish food habits across different seasons in eastern US and Canadian waters. [abstract]. Gulf of Maine Symposium; 2009 Oct 4-9; St Andrews, NB. [WH]
- Byron C, LINK JS. 2009. Feeding ecology of four demersal predators: black sea bass (*Centropristis striata*), scup (*Stenotomus chrysops*), northern searobin (*Prionotus carolinus*), and striped searobin (*Prionotus evolans*). [abstract]. AFS Summer Meeting; 2009 June 10; Hadley, MA. [WH]
- Cabana N, WARING GT, JOSEPHSON E. 2009. Spatial analysis of harbor seal distribution in southern New England. [abstract]. 18<sup>th</sup> Biennial Marine Mammal Conference; 2009 Oct 12-16; Quebec City, QC. [WH]
- CADRIN S, Kerr L, Secor D. 2009. Consequences of spatial structure and connectivity to productivity and persistence of local and regional populations. [abstract]. 2009 ICES Annual Science Conference; 2009 Sept 21-25; Berlin, Germany. [NB]

- CADRIN S, Roman S. 2009. Utility of study fleet data for examining affects of environmental conditions on catch rates. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [NB]
- CADRIN SX. 2009. General approaches to determining Annual Catch Limits for New England fisheries. [abstract]. Northeast Fish and Wildlife Conference; 2009 Apr 26-28; Lancaster, PA. [NB]
- CADRIN SX, DeCelles G. 2009. Movement patterns of winter flounder in the southern Gulf of Maine. [abstract]. 2009 ICES Annual Science Conference; 2009 Sept 21-25; Berlin, Germany. [NB]
- CADRIN SX, LEGAULT CM, Goethel DR. 2009. A spatially explicit stock assessment model incorporating tagging data. [abstract]. 2009 ICES Annual Science Conference; 2009 Sept 21-25; Berlin, Germany. [NB]
- CADRIN SX, Nichols O. 2009. When, where and sometimes why: environmental effects on longfin inshore squid distribution and implications for stock assessment. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [NB]
- CADRIN SX, Rice J. 2009. Incorporating environmental factors in fishery management advice. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [NB]
- CADRIN SX, Romans S, Martins D, Bank C. 2009. Validation of study fleet data collected through the SMAST study fleet program. [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [NB]
- CADRIN SX, Vaughan D. 2009. Incorporating environmental factors in stock assessments. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [NB]
- CALDARONE EM, MACLEAN S, SHARACK B, Beckman B. 2009. Potential non-lethal methods for estimating condition and growth rates in juvenile fish. [abstract]. 33<sup>rd</sup> Annual AFS Larval Fish Conference; 2009 July 23-26; Portland, OR. [NG]
- CALDARONE EM, MACLEAN S, SHARACK B, Beckman B. 2009. A comparison of three potential non-lethal methods for estimating condition and growth rates in Atlantic salmon smolts (*Salmo salar*). [abstract]. 9<sup>th</sup> NEFSC Science Symposium; 2009 Jan 21-23; Newport, RI. [NG]
- CHASE PD, GALBRAITH J, KOSTOVICK P, KLEINDINST E. 2009. Improving data collection at sea: the development of a digital guide to fish identification, maturity determination, and age structure removal for use on NOAA research surveys. [abstract]. 9<sup>th</sup> NEFSC Science Symposium; 2009 Jan 21-23; Newport, RI. [WH]
- CHASE PD, Love JW. 2009. Geometric morphological differences distinguish populations of scup *Stenotomus chrysops* Linnaeus in the northwestern Atlantic Ocean. [abstract]. 9<sup>th</sup> NEFSC Science Symposium; 2009 Jan 21-23; Newport, RI. [WH]

- CLAY P, COLBURN L. 2009. Oral histories as a tool in Social Impact Assessment (SIA) in northeast US fisheries. [abstract]. 69<sup>th</sup> annual meeting for the Society for Applied Anthropology (SfAA); 2009 Mar 17-21; Santa Fe, NM. [NG]
- COL L, Brodziak JKT, BROOKS EN, PALMER MC, Rudolph T, Slifka LE, Tallack SML. 2009. Movement patterns of tagged haddock within Georges Bank and the Gulf of Maine. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [WH]
- COL L, LINK J, PALKA D, OVERHOLTZ W, WARING G, FOGARTY M, CADRIN S. 2009. Estimating marine mammal consumption of commercially and ecologically important prey species on the northeast US continental shelf. [abstract]. 18<sup>th</sup> Biennial Marine Mammal Conference; 2009 Oct 12-16; Quebec City, QC. [WH]
- COLBURN LL, Smith SL, Pollnac RB. 2009. Culture and numerical taxonomy: evaluating the essence behind the numbers. [abstract]. The 15<sup>th</sup> International Symposium on Society and Resource Management; 2009 July 5-8; Vienna, Austria. [WH]
- COLE T, GLASS A, Hamilton P, DULEY P, NIEMEYER M, CHRISTMAN C, PACE R, Frasier T. 2009. Potential breeding ground for north Atlantic right whales off the northeast USA. [abstract]. 18<sup>th</sup> Biennial Marine Mammal Conference; 2009 Oct 12-16; Quebec City, QC. [WH]
- COLLETTE BB, Carpenter KE. 2009. Why red list tunas and billfishes? [abstract]. 13<sup>th</sup> European Congress of Ichthyology; 2008 Sep 6-12; Klaipeda, Lithuania. [NS]
- COLLETTE BB, Carpenter KE. 2009. Why red list tunas and billfishes? [abstract]. 8<sup>th</sup> Indo-Pacific Fish Conference; 2009 May 31-June 5; Fremantle, Western Australia. [NS]
- COLLETTE BB, Hayes M. 2009. Morphology of Percarina and its Phylogenetic position in the Percidae. [abstract]. 13<sup>th</sup> European Congress of Ichthyology; 2008 Sep 6-12; Klaipeda, Lithuania. [NS]
- COLLETTE BB, Hayes M. 2009. Morphology of Percarina and its Phylogenetic position in the family. [abstract]. 89<sup>th</sup> Annual Meeting of the American Society of Ichthyologists and Herpetologists; 2009 July 22-27; Portland, OR. [NS]
- COLLETTE BB, Henson P. 2009. The Smithsonian and Darwin. [abstract]. ASIH Symposium; 2009 July 22-27; Portland, OR. [NS]
- CROXTON AN, WIKFORS GH, Gragg RD III. 2009. PAH pollutant effects on oyster hemocytes: results of laboratory and field studies. [abstract]. 29<sup>th</sup> Annual Milford Aquaculture Seminar; 2009 Feb 23-25; Meriden, CT. J Shellfish Res. 28(3): 641-659. [MF]
- DIXON MS, WIKFORS GH, LI Y, MESECK SL, SMITH BC. 2009. Observations and measurements of a FLUPSY in its natural setting. [abstract]. 29<sup>th</sup> Annual Milford Aquaculture Seminar; 2009 Feb 23-25; Meriden, CT. J Shellfish Res. 28(3): 641-659. [MF]



- DRUSKAT E, TONG A. 2009. Summary of seabird entanglement by the Northeast Fisheries Observer Program. [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- DUARTE D. 2009. The use of Play-Doh® in catch estimation training. [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- DUARTE D, FLORA C. 2009. Analysis of scallop fishing behavior in the Nantucket Lightship Access Area with respect to yellowtail flounder bycatch. [abstract]. 9<sup>th</sup> NEFSC Science Symposium; 2009 Jan 21-23; Newport, RI. [WH]
- DUARTE D, LENTELL B. 2009. Accessing accuracy of Northeast Fisheries Observer marine mammal morphometric data. [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- DUFFY W, MCBRIDE R, CADRIN SX, Oliveria K. 2009. Is Cating's method of transverse counts to annuli in American shad (*Alosa sapidissima*) applicable to rivers other than the Hudson? [abstract]. AFS Southern New England Chapter meeting; 2009 Jan 14; Roger Williams University; Bristol, RI. [WH]
- DUFFY W, Oliveira K, MCBRIDE R, CADRIN SX. 2009. Is Cating's method of transverse counts to annuli in American shad (*Alosa sapidissima*) applicable to rivers other than the Hudson? [abstract]. 9<sup>th</sup> NEFSC Science Symposium; 2009 Jan 21-23; Newport, RI. [WH]
- FLORA C. 2009. Scallop industry funded observer program effect on trip length. [abstract]. 6<sup>th</sup> International Fisheries Observer and Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- FRIEDLAND K, MCCARTHY J, BRODZIAK J, MCBRIDE R, HOEY C. 2009. Determining haddock, *Melanogrammus aeglefinus*, fecundity and egg size via two automated methods: implications for ecological and recruitment studies. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [WH]
- FROMM S, NOJI T, KOSTYLEV VE. 2009. Habitat suitability modeling using the Kostylev approach as an indicator of distribution of benthic invertebrates. [abstract]. Gulf of Maine Science Symposium; 2009 Oct 4-9; St. Andrews, NB. [SH]
- FUENTES M, WIKFORS G. 2009. Control of domoic-acid production in pseudo-nitzschia multiseres by micro-nutrient status: plan to test the copper hypothesis. [abstract]. 29<sup>th</sup> Annual Milford Aquaculture Seminar; 2009 Feb 23-25; Meriden, CT. J Shellfish Res. 28(3): 641-659 [MF]
- GAMBLE R, LINK J. 2009. Analyzing biomass tradeoffs due to ecological and fishing effects using a multispecies production model (MS-PROD). [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [WH]

- GAMBLE R, LINK J, Fulton E. 2009. Simulating the northeast United States ecosystem with Atlantis. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [WH]
- GAMBLE RJ, MOUSTAHFID H, TYRRELL MC, SMITH BE, LINK JS. 2009. A simulator of multi-species interactions using a guild-based Biomass Production Model. [abstract]. 9<sup>th</sup> NEFSC Science Symposium; 2009 Jan 21-23; Newport, RI. [WH]
- Gauss RC, Fialkowski JM, Menis R, Kunz EL, Stanton TK, Cellers CJ, JECH JM. 2009. Measurements and modeling of mid-frequency clutter from fish aggregations over Georges Bank in the Gulf of Maine. [abstract]. 157<sup>th</sup> Meeting of the Acoustical Society of America; 2009 May 18-22; Portland, OR. [WH]
- Gauss R, Stanton TK, Sellers CJ, JECH JM. 2009. Clutter variability due to fish aggregations: mid-frequency measurements in the Gulf of Maine. [abstract]. 3<sup>rd</sup> International Underwater Acoustic Measurements: Technologies and Results; 2009 June 21-26; Nafplion, Greece. [WH]
- GLASS AH, COLE TVN, GARRON M. 2009. Mortality and serious injury determinations for baleen whale stocks along the United States eastern seaboard and adjacent Canadian maritimes, 2003-2007. [abstract]. 2009 Northeast Regional Stranding Conference; 2009 Mar 26-29; Salem, MA. [WH]
- GOLDBERG R, MERCALDO-ALLEN R, MESECK S, PEREIRA J, CLARK P, KUROPAT C, SENNEFELDER G. 2009. Shellfish cultivation and harvest - weighing ecological effects. [abstract]. 29<sup>th</sup> Annual Milford Aquaculture Seminar; 2009 Feb 23-25; Meriden, CT. J Shellfish Res. 28(3): 641-659 [MF]
- GOULETTE GS, HAWKES JP, KOCIK JF. 2009. [abstract]. Evaluating atlantic salmon smolt emigration dynamics of different rearing origins through Penobscot Bay in 2008 using ultrasonic telemetry.[abstract]. 35<sup>th</sup> Annual Meeting of the Atlantic International Chapter of the American Fisheries Society; 2009 September 20-22; Shelburne, NH. [OR]
- Greenfield DW, Winterbottom R, COLLETTE BB. 2009. Review of the toadfish genera (Teleostei:Batrachoididae). [abstract]. 8<sup>th</sup> Indo-Pacific Fish Conference; 2009 May 31-June 5; Fremantle, Western Australia. [VA]
- Guerreiro da Silva A, Palmeirim J, Vu E, Risch D, VAN PARIJS S. 2009. Comparative occurrence and activity patterns of north Atlantic right whale gun-shots and up-calls during the winter in the northwest Atlantic, USA. [abstract]. 18<sup>th</sup> Biennial Marine Mammal Conference; 2009 Oct 12-16; Quebec City, QC. [WH]
- GUIDA V, CANDELMO A. 2009. Nutritional value of invasive tunicates, *Botrylloides violaceus* and *Didemnum* sp. to consumers from the mid-atlantic nearshore ecosystem. [abstract]. Coastal and Estuarine Research Federation 20th Biennial Conference; 2009 Nov 1-5; Portland, OR. [SH]

- HART D, Gallager S, York A, Taylor R, Vine N. 2009. Estimation of scallop dredge efficiency from paired photographic/dredge tows. [abstract]. 17<sup>th</sup> International Pectnid Workshop; 2009 April 22-28; Santiago de Compostela, Galicia, Spain. [WH]
- Horne J, JECH JM, Chu D, Clay C, Francis T, Gorska N, Holliday V, Jones B, Lavery A, Reeder B, Sawada K, Stanton T. 2009. Comparing backscatter model predictions from fish. [abstract]. 2009 Annual Meeting, ICES Working Group on Fisheries Acoustics Science and Technology; 2009 May 18-22; Ancona, Italy. [WH]
- HYDE K, O'REILLY J, Belkin I. 2009. A new algorithm for calculating productivity from ocean color derived chlorophyll a. Satellite climatology of chlorophyll and sea surface temperature fronts in the northeast U.S. Large Marine Ecosystem. [abstract]. NASA Ocean Color Team Research Meeting; 2009 May; New York, NY. [NG]
- HYDE K, O'REILLY J, Belkin I. 2009. A new ocean color and SST front detection algorithm: applications for fisheries oceanography in the northeast U.S. continental shelf. [abstract]. 9<sup>th</sup> NEFSC Science Symposium; 2009 Jan 21-23; Newport, RI. [NG]
- HYDE K, O'REILLY J, TAYLOR M, HARE J, FOGARTY M. 2009. Multi--decadal analysis of phytoplankton biomass and production in the northeast US continental shelf Large Marine Ecosystem. [abstract]. 2009 ICES Annual Science Conference; 2009 Sept 21-25; Berlin, Germany. [WH]
- HYDE KW, O'REILLY J, Belkin I. 2009. A new ocean color and SST front detection algorithm: applications for fisheries oceanography in the Northeast US continental shelf Large Marine Ecosystem. [abstract]. 2009 ASLO Aquatic Sciences Meeting: A cruise through Nice waters; 2009 January 25-30; Nice, France. [NG]
- Hyle R, Holder JC, MCBRIDE RS, Harris JE. 2009. The spawning run of blueback herring (*Alosa aestivalis*) in Florida's St. Johns River. [abstract]. American Fisheries Society 28<sup>th</sup> Annual Meeting; 2009 Feb 17-19; Ocala, FL. [WH]
- JECH JM, Horne J, Chu D, Clay C, Francis T, Gorska N, Holliday V, Jones B, Lavery A, Reeder B, Sawada K, Stanton T. 2009. Comparison of acoustic models for standard shapes. [abstract]. 2009 Annual Meeting, ICES Working Group on Fisheries Acoustics Science and Technology; 2009 May 18-22; Ancona, Italy. [WH]
- JECH M, GODLEWSKI J. 2009. Observations of Atlantic herring using DIDSON sonar. [abstract]. 2009 Annual Meeting, ICES Working Group on Fisheries Acoustics Science and Technology; 2009 May 18-22; Ancona, Italy. [WH]
- JOSSI JW. 2009. US NOAA Fisheries and UK SAHFOS CPR surveys: comparison of methods and data. [abstract]. 3rd GLOBEC Open Science Meeting; 2009 June 22-26; Victoria, BC. [NG]

- KAPAREIKO D, WIKFORS GH, Jeong Lim H, Schott E, JEFFRESS D, ALIX JH, DIXON M, MESECK SL, PITCHFORD S. 2009. Pilot-scale trial of the probiotic bacterium OY-15 and its ability to protect larval oysters, *crassostrea virginica*, from the pathogenic strain B-183. [abstract]. 29th Milford Aquaculture Seminar; 2009 Feb 22-25. Meriden, CT. J Shellfish Res. 28(3): 641-659. [MF]
- Kerr LA, Secor DH, CADRIN SX. 2009. Partial migration of fishes as exemplified by the estuarine-dependent white perch. [abstract]. 4<sup>th</sup> International Otolith Symposium; 2009 Aug 23-28; Monterey, CA. [NB]
- KOCIK J, SHEEHAN T, HAWKES JP, RENKAWITZ MD, GOULETTE GS. 2009. Ecology of Atlantic salmon in Gulf of Maine estuaries and coastal ecosystems of West Greenland. [abstract]. Maine School of Marine Sciences Seminar Series; 2009 Oct 30. [OR]
- Kohut J, MANDERSON J, Glenn S, Jones C. 2009. Fish and physics: applications of an ocean observing system in fisheries research. [abstract]. OceanOps '09; 2009 Sept 21-25; Venice, Italy. [WH]
- Kristiansen T, Jørgensen C, LOUGH RG, Vikebø F, Fiksen O. 2009. Modeling rule-based behavior: habitat selection and the growth-survival trade-off in larval cod. [abstract]. 2009 ICES Annual Science Conference; 2009 Sept 21-25; Berlin, Germany. [WH]
- KUPCHA E, JACKSON O, MCBRIDE H, NORTH B. 2009. Observer electronic data collection project. [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- Lachapelle K, McGovern T, LIPSKY C, Dionne P, Zydlewski G. 2009. Estimating endangered species population abundance and distribution using non-invasive acoustic imaging. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [OR]
- LI J, WIKFORS GH, MESECK SL, DIXON MS, SMITH BC. 2009. Quantifying the ecological interactions of a commercial oyster nursery: first results on plankton and nutrient transformations. [abstract]. 29<sup>th</sup> Annual Milford Aquaculture Seminar; 2009 Feb 23-25; Meriden, CT. J Shellfish Res. 28(3); 641-659. [MF]
- LINK JS. 2009. Implementing EBFM in the US Atlantic. [abstract]. Bevan Symposia: Implementing Ecosystem Based Fisheries Management Workshop; 2009 Apr 30- May 1; Seattle, WA. [WH]
- LINK JS. 2009. A simple approach for enhancing ecological networks and energy budgets (namely Ecopath): please, let's do some PREBAL before we start balancing. [abstract]. Ecopath 25 years Conference; 2009 Aug 30- Sept 1; Vancouver, BC. [WH]
- LINK JS, Pranovi F, Coll M, Lebralato S, Christensen V, LEGAULT C. 2009. Exploring novel metrics of ecosystem overfishing using energy budget model outputs. [abstract]. Ecopath 25 years Conference; 2009 Aug 30- Sept 1; Vancouver, BC. [WH]

- LINK JS, Yemane D, Shannon LJ, Coll M, Shin YF, Hill L, Borges MF, Bundy A, Aydin K. 2009. Contrasting drivers of ecosystem response via the comparison of marine ecosystem indicators; multiple ecosystems and multiple indicators. [abstract]. 3<sup>rd</sup> GLOBEC Open Science Meeting; 2009 June 22-26; Victoria, BC. [WH]
- LIPSKY C, McGovern T, Lachapelle K, Dionne P, Zydlewski G. 2009. Using acoustic technology to estimate the population of overwintering shortnose sturgeon in the Penobscot River, Maine. [abstract]. 9<sup>th</sup> NEFSC Science Symposium; 2009 Jan 21-23; Newport, RI. [OR]
- MACLEAN SA, CALDARONE EM, SHARACK B, WILLIAMS S, MCCARTHY J, GUIDA V, BECKMAN B. 2009. Potential non-lethal methods for estimating condition and growth rates in juvenile fish. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [NG]
- MANDERSON J. 2009. Combining Generalized Additive Modeling (GAM) and GIS for inference, description and prediction of marine habitat dynamics. [abstract]. NOAA and the CRC Ecosystem-Based Management Conference; 2009 Mar 22-25; Baltimore, MD. [SH]
- MARCINKIEWICZ L. 2009. An international fisheries observer safety training summary: we are not all in the same boat. [abstract]. 6<sup>th</sup> International Fisheries Observer and Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- Maurer J, NATANSON LJ, Ebert DA, Cailliet GM. 2009. Life history aspects of two Bering Sea skate species, *Bathyraja lindbergi* and *B. maculata*. [abstract]. 25<sup>th</sup> Annual Meeting of the American Elasmobranch Society; 2009 July 22-27; Portland, OR. [NG]
- MCARDLE K, WETMORE S. 2009. Data quality standards and improvements for the Northeast Fisheries Observer Program. [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- MCBRIDE R, WUENSCHERL M. 2009. Contrasting reproductive styles of maine fishes: implications for assessing egg production and the status of stocks. [abstract]. AFS Southern New England Chapter Meeting; 2009 Jan 14; Roger Williams University; Bristol, RI. [WH]
- MCBRIDE RS. 2009. Using R code program that simulates ageing error to explain common QA/QC procedures for production ageing and for incorporating age uncertainty into stock assessments. [abstract]. NEFSC Seminar Series; 2009 Nov 4; Woods Hole, MA. [WH]
- MCBRIDE RS, Harris JE, Hyle AR, Holder JC. 2009. The spawning run of blueback herring (*Alosa aestivalis*) in Florida's St. Johns River. [abstract]. American Fisheries Society 139<sup>th</sup> Annual Meeting; 2009 Aug 30-Sep1; Nashville, TN. [WH]
- MCBRIDE RS, Maki KL, RICHARDSON AK. 2009. New life history information for wahoo, *Acanthocybium solandri*, from the Atlantic coast of Florida and the Bahamas. [abstract]. American Fisheries Society 28<sup>th</sup> Annual Meeting; 2009 Feb 17-19; Ocala, FL. [WH]

- MELROSE DC, BERMAN M, Oviatt C. 2009. Ecological effects of climate change on Narragansett Bay, RI. [abstract]. 2009 ICES Annual Science Conference; 2009 Sept 21-25; Berlin, Germany. [NG]
- MERRICK R, PACE R, SILBER G, WILEY D. 2009. Reducing north Atlantic right whale ship strike – the US experience. [abstract]. 18<sup>th</sup> Biennial Marine Mammal Conference; 2009 Oct 12-16; Quebec City, QC. [WH]
- MESECK S, ALIX JH, DIXON MS, LI J, SMITH BC, WIKFORS GH. 2009. pH and phytoplankton competition: relevance to mass culture and ocean acidification. [abstract]. 29<sup>th</sup> Milford Aquaculture Seminar; 2009 Feb 22-25. Meriden, CT. J Shellfish Res. 28(3):641-659. [MF]
- MILKE L, VEILLEUX D, DIXON M, Bricelj VM. 2009. The role of digestive enzymes during early development in the bay scallop, *Argopecten irradians*. [abstract]. 29<sup>th</sup> Annual Milford Aquaculture Seminar; 2009 Feb 23-25; Meriden, CT. J Shellfish Res. 28(3): 641-659. [MF]
- MILLIKEN HO. 2009. Alternative leader designs to reduce bycatch of Sea turtles in Chesapeake Bay, Virginia pound nets. [abstract]. In: Proceedings of the Technical Workshop on Mitigating Sea Turtle Bycatch in Coastal Net Fisheries. 2009 Jan 20-22; Honolulu, HI. p 45. [WH]
- MILLIKEN HO, DeAlteris J, Smolowitz R, Silva R. 2009. Gear-based strategies to mitigate bycatch of sea turtles in northwest Atlantic waters. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [WH]
- Mueller KB, Taylor W, KOCIK J, Frank K, Seelbach P. 2009. A "Home Turf" approach to salmon recovery: aligning attachments to place with relevant motivators for engagement. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. (OR)
- MUNROE T, Gledhill D. 2009. Species of soleichthys (pleuronectiformes:soleidae) occurring in marine waters off Queensland, Australia. [abstract]. 8<sup>th</sup> Indo-Pacific Conference (IPFC); 2009 May 31-June 5; Fremantle, Western Australia. [NS]
- MUNROE T, Gomon M, Bray D. 2009. Deepwater tonguefishes (pleuronectiformes:cynoglossidae) off western Australia. [abstract]. 8<sup>th</sup> Indo-Pacific Conference (IPFC); 2009 May 31-June 5; Fremantle, Western Australia. [NS]
- MURRAY KT. 2009. Sea turtle bycatch in U.S. Mid-Atlantic gillnet gear: characteristics, magnitude, and opportunities for conservation. [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- Mussoline S, Clark CW, Dickey R, HATCH L, Keirman J, MERRICK R, Rhoads A, RISCH D, Thompson M, Weinrich M, WENZEL F, Wiley D, VAN PARIJS S. 2009. Seasonal and spatial distribution of up-calling behavior in the north Atlantic right whale throughout Stellwagen Bank National Marine Sanctuary and Jeffreys Ledge. [abstract]. 18<sup>th</sup> Biennial Conference on the Biology of Marine Mammals; 2009 Oct 12-16; Quebec City, QC. [WH]

- NYE J, Bundy A, Shackell N, FRIEDLAND KD, LINK JS. 2009. Coherence in population trends of major fish species in the Gulf of Maine ecosystem: a comparison of fisheries independent survey data. [abstract]. Gulf of Maine Symposium; 2009 Oct 4-9; St Andrews, NB. [NG]
- NYE JA, LINK JS. 2009. Temperature modified stock recruitment relationships for northwest Atlantic fish stocks, a metapopulation approach. [abstract]. ICES Annual Science Conference; 2009 Sept 21-25; Berlin, Germany. [WH]
- NYE JA, LINK JS. 2009. Temperature-modified stock recruitment relationships for northwest Atlantic fish stocks, a metapopulation approach. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [WH]
- NYE JA, LINK JS, HARE JA. 2009. Climate induced changes in spatial distribution of northwest Atlantic fish stocks: implications for management. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [WH]
- OVERHOLTZ W, HARE J, KEITH C. 2009. Impacts of inter-annual environmental forcing and long-term climate change on the distribution of Atlantic mackerel on the U.S. northeast continental shelf. [abstract]. 139<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [WH]
- PACE R, COLE TVN. 2009. Waiting times to monitor management actions: Atlantic large whales show no response to gear rules. [abstract]. 18<sup>th</sup> Biennial Conference on the Biology of Marine Mammals; 2009 Oct 12-16; Quebec City, QC. [WH]
- PACE R, THOMPSON M, HATCH L, Levenson J, WILEY D. 2009. Modeling speed restrictions to mitigate lethal collisions between ships and whales in the Stellwagen Bank National Marine Sanctuary. [abstract]. 18<sup>th</sup> Biennial Conference on the Biology of Marine Mammals; 2009 Oct 12-16; Quebec City, QC. [WH]
- PALKA D. 2009. Habitat preferences of white-sided dolphins in the northwest Atlantic. [abstract]. 18<sup>th</sup> Biennial Marine Mammal Conference; 2009 Oct 12-16; Quebec City, QC. [WH]
- PINTO DA SILVA P, Holland D, KITTS A, Weirsmas J. 2009. Measuring social capital in the New England groundfish fishery: background and methods. [abstract]. National Catch Shares Workshop; 2009 Nov 17-19; Southwest Fisheries Science Center; La Jolla, CA. [WH]
- RISCH D, Clark CW, Siebert U, VAN PARIJS SM. 2009. Variability and seasonality of Minke whale sounds in the Stellwagen Bank National Marine Sanctuary, USA. [abstract]. 18<sup>th</sup> Biennial Conference on the Biology of Marine Mammals; 2009 Oct 12-16; Quebec City, QC. [WH]
- Roman S, Martins D, Bank C, Searcy S, CADRIN SX. 2009. Utility of study fleet data for examining affects of environmental conditions on catch rates and efficiency of fishing operations. [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [NB]

- Rone BK, PACE RM, Martinez A, Brault S. 2009. Discriminating between free-ranging long-finned (*Globicephala melas*) and short-finned (*Globicephala macrorhynchus*) pilot whales off the east coast of the United States. [abstract]. 18<sup>th</sup> Biennial Marine Mammal Conference; 2009 Oct 12-16; Quebec City, QC. [WH]
- Rosa M, Ward JE, Shumway SE, Pales-Espinoza E, Allam B, WIKFORS GH, Holohan B. 2009. The role of particle surface characteristics in particle selection in eastern oyster, *Crassostrea virginica*, and blue mussel, *Mytilus edulis*. [abstract]. 101<sup>st</sup> Annual Meeting National Shellfisheries Association; 2009 March 22-26; Savannah, GA. [MF]
- Rosa M, Ward JE, Shumway SE, Pales-Espinoza E, Allam B, Holohan B, WIKFORS GH. 2009. The role of particle surface characteristics in particle selection in eastern oysters (*Crassostrea virginica*) and blue mussels (*Mytilus edulis*). [abstract]. 12<sup>th</sup> International Conference on Shellfish Restoration; 2009 Sept 15-18; Prince Edward Island, PEI. [MF]
- ROSSMAN M, ORPHANIDES CD. 2009. Investigating bias when estimating cetacean bycatch rates in gillnet fisheries using different units of effort. [abstract]. 6<sup>th</sup> International Fisheries Observer and Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- ROSSMAN M, ORPHANIDES CD. 2009. Evaluating bias when estimating small cetacean bycatch mortality in gillnet fisheries using different units of effort. [abstract]. 18<sup>th</sup> Biennial Marine Mammal Conference; 2009 Oct 12-16; Quebec City, QC. [WH]
- Shackell N, Bundy A, NYE J, FOGARTY M, OVERHOLTZ W, LINK JS. 2009. Ecosystem drivers in the northwest Atlantic: a comparison of Canadian and US indicators from several, contiguous regional ecosystems. [abstract]. Gulf of Maine Symposium; 2009 Oct 4-9; St Andrews, NB.[WH]
- SMITH B, Collie JS. 2009. Spatial patterns in benthic macrofauna, demersal fish, and fish diet on northern Georges Bank. [abstract]. 39<sup>th</sup> meeting of the American Fisheries Society; 2009 Aug 30-Sept 3; Nashville, TN. [WH]
- SMITH BC, Persson A, Selander E, WIKFORS GH, ALIX J. 2009. Consumption of and toxin uptake from temporary cysts of *Alexandrium fundyense* by the eastern oyster *Crassostrea virginica*. [abstract]. 29<sup>th</sup> Annual Milford Aquaculture Seminar; 2009 Feb 23-25; Meriden, CT. J Shellfish Res. 28(3): 641-659. [MF]
- STAPLES T. 2009. Calculating Catch per Unit Effort (CPUE) from observer data. [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- STILES S, CHOROMANSKI J, JEFFRESS D, Freedman L. 2009. Continuing observations on overwintering survival of bay scallops from genetic lines, 2007-2008. [abstract]. 29<sup>th</sup> Annual Milford Aquaculture Seminar; 2009 Feb 23-25; Meriden, CT. J Shellfish Res. 28(3): 641-659. [MF]



- Stockwell J, Weber T, JECH M, Baukus A, Salerno D. 2009. Efficacy of using multiple acoustic systems to quantify Atlantic herring (*Clupea harengus*) aggregation metrics before and after fishing events. [abstract]. 158<sup>th</sup> Meeting of the Acoustical Society of America; 2009 Oct 26-30; San Antonio, TX. [WH]
- Stroman, F, JECH JM, GODLEWSKI J. 2009. Shapes and sizes of herring spawning queues on Georges Bank. [abstract]. 9<sup>th</sup> NEFSC Science Symposium; 2009 Jan 21-23; Newport, RI. [WH]
- THORNTON G, MCBRIDE R. 2009. Histological calibration of at-sea macroscopic gonad staging for winter flounder, *Pseudopleuronectes americanus*, collected during NEFSC and MA DMF survey cruises. [abstract]. 9<sup>th</sup> NEFSC Science Symposium; 2009 Jan 21-23; Newport, RI. [WH]
- THUNBERG E, Nies T, WALDEN J. 2009. Efficiency and group catch shares: an evaluation of the Georges Bank cod hook sector in the northeast region U.S. groundfish fishery. [abstract]. 5<sup>th</sup> biennial North American Association of Fisheries Economists; 2009 May 17-20; Newport, RI. [WH]
- TORK M, HARRINGTON T. 2009. Is commercial fishing vessel safety improving? [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- VAN ATTEN A. 2009. The Northeast Fisheries Observer Program fishermen's comment card results and survey design. [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- VAN ATTEN A, WETMORE S. 2009. Differentiating serious and non-serious injury of marine mammals in U.S. northwest Atlantic commercial fisheries: data collection of the Northeast Fisheries Observer Program. [abstract]. 18<sup>th</sup> Biennial Marine Mammal Conference; 2009 Oct 12-16; Quebec City, QC. [WH]
- Van Opzeeland I, VAN PARIJS S, Bornemann H, Kindermann L, Klinck H, Ploetz J, Boebel O. 2009. Seasonal variation in repertoire size, composition and call activity in four Antarctic pinniped species. [abstract]. 18<sup>th</sup> Biennial Conference on the Biology of Marine Mammals; 2009 Oct 12-16; Quebec City, QC. [WH]
- VAN PARIJS S, Burke E, Clark CW, CORKERON P, MERRICK R, RISCH D, Vu E. 2009. Passive acoustic tracking of northern Atlantic right whale up-calls: understanding call characteristics, patterns and behavioral ecology. [abstract]. 18<sup>th</sup> Biennial Marine Mammal Conference; 2009 Oct 12-16; Quebec City, QC. [WH]
- VIDAL T, CADRIN SX, MCBRIDE R, Oliveira K. 2009. Updating maturity ogives for Golden tilefish from the Mid-Atlantic Bight. [abstract]. 6<sup>th</sup> International Fisheries Observer and Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]

- VIDAL T, ROSSI N, THOLKE K, VAN ATTEN A. 2009. An analysis of fish bycatch in multiple fisheries observed by the Northeast Fisheries Observer Program. [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- VITALIANO J, REID R, PACKER D, GUIDA V, NOJI T, FROMM S, LINK J, ALMEIDA F. 2009. Broad-scale invertebrate tube coverage on the seabed: implications for sediment characteristics, species-habitat interactions, habitat mapping, and EFH on Georges Bank. [abstract]. 9<sup>th</sup> NEFSC Science Symposium; 2009 Jan 21-23; Newport, RI. [WH]
- Vu ET, RISCH D, Clark CW, Gaylord S, HATCH L, MERRICK R, THOMPSON M, Tougaard J, WILEY D, VAN PARIJS S. 2009. (*Megaptera novaeangliae*) song occurs extensively on a feeding ground in the northwestern Atlantic Ocean. [abstract]. 18<sup>th</sup> Biennial Conference on the Biology of Marine Mammals; 2009 Oct 12-16; Quebec City, QC. [WH]
- WALDEN J, Georgianna D. 2009. Ocean zoning as a catalyst for coasean negotiation: the case of the closed areas on Georges Bank. [abstract]. 5<sup>th</sup> Biennial North American Association of Fisheries Economists; 2009 May 17-20; Newport, RI. [WH]
- WALDEN JB, Tomberlin D. 2009. Assessing fishing capacity with Order-M frontiers. [abstract]. 5<sup>th</sup> Biennial North American Association of Fisheries Economists; 2009 May 17-20; Newport, RI. [WH]
- Walsh ML, Fairchild EA, Rennels N, Farina SC, Howell WH, MERCALDO-ALLEN R, KUROPAT C. 2009. Rearing diets that optimize feeding success in the wild: analyses of diet, growth, survival, and RNA/DNA condition. [abstract]. World Aquaculture Society Meeting, 2009 March 1-5, San Diego, CA. [MF]
- WEINBERG J. 2009. Presenting stock assessment results to fishery management councils and the public in the northeast region of the United States. [abstract]. 2009 ICES Annual Science Conference; 2009 Sept 21-25; Berlin, Germany. [WH]
- WENZEL F, Allen J, Berrow S, Jann B, Seton RE, Stevik P, López Suárez P, Hazevoet CJ, Whooley P. 2009. Humpback whales (*Megaptera novaeangliae*) of the Cape Verde Islands, eastern North Atlantic. [abstract]. 18<sup>th</sup> Biennial Conference on the Biology of Marine Mammals; 2009 Oct 12-16; Quebec City, QC. [WH]
- WETMORE SE, VAN ATTEN A, STAPLES T, Anderson T. 2009. Investigating factors affecting the success of Northeast Fisheries Observer Program observers. [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]
- WETMORE SE, VAN ATTEN A. 2009. Northeast Fisheries Observer Program: challenges faced in a changing program. [abstract]. 6<sup>th</sup> International Fisheries Observer & Monitoring Conference; 2009 July 20-24; Portland, ME. [WH]

- WIDMAN J, VEILLEUX DJ, DIXON M. 2009. Producing 25mm bay scallop, *argopecten irradians irradians*, seed in the shellfish hatchery. [abstract]. 17<sup>th</sup> International Pectnid Workshop; 2009 April 22-28; Santiago de Compostela, Galicia, Spain. [MF]
- WIDMAN JC Jr, VEILLEUX DJ, DIXON M. 2009. Progress in the shellfish nursery producing 25mm bay scallop, *Argopecten irradians irradians*, seed. [abstract]. 29<sup>th</sup> Milford Aquaculture Seminar; 2009 Feb 22-25. Meriden, CT. J Shellfish Res. 28(3): 641-659. [MF]
- WIKFORS GH, Krome CA. 2009. Ocean acidification and molluscan hemocytes: basis and rationale for experimental studies. [abstract]. 29<sup>th</sup> Milford Aquaculture Seminar; 2009 Feb 22-25. Meriden, CT. J Shellfish Res. 28(3): 641-659. [MF]
- Wood S, Rough V, Gilbert J, WARING G, Brault S. 2009. An increase in the number of U.S. gray seal (*Halichoerus grypus*) pups observed in aerial survey data: 1994-2008. [abstract]. 18<sup>th</sup> Biennial Marine Mammal Conference; 2009 Oct 12-16; Quebec City, QC. [WH]
- WUENSCHER M, MCBRIDE R. 2009. Evaluation of Bioelectrical Impedance Analysis (BIA) to measure patterns of condition and energy allocation in marine groundfishes. [abstract]. 9<sup>th</sup> NEFSC Science Symposium; 2009 Jan 21-23; Newport, RI. [WH]
- WUENSCHER M, MCBRIDE RS, Fitzhugh G. 2009. Evaluation of Bioelectrical Impedance Analysis (BIA) to measure patterns of condition and energy allocation in marine groundfishes. [abstract]. American Fisheries Society 139<sup>th</sup> Annual Meeting; 2009 Aug 30-Sep1; Nashville, TN. [WH]

## Web Pages

- BROWN C. 2009. Tilapia podcast. Central Luzon State University Publications. [MF]. <http://deimos.apple.com/WebObjects/Core.woa/Browse/ncsu.edu.1784740579.01784740581>
- FRIEDLAND K. 2009. Ecosystem advisory for the northeast shelf LME. [NG]. <http://www.nefsc.noaa.gov/omes/OMES/fall2009/advisory.html>
- FRIEDLAND K. 2009. Ecosystem advisory for the northeast shelf Large Marine Ecosystem. [NG]. <http://www.nefsc.noaa.gov/omes/OMES/spring2009/advisory.html>
- METZ R, LILES G, Leland C, GARNER L. 2009. Woods Hole Science Aquarium. [WH]. <http://aquarium.nefsc.noaa.gov>
- PEREIRA J, Tedeschi D. 2009. SEINE; Scientists and Educators Investigating Nearshore Ecosystems. [MF]. <http://domsattic.com>

# **Procedures for Issuing Manuscripts in the *Northeast Fisheries Science Center Reference Document (CRD) Series***

---

## **Clearance**

All manuscripts submitted for issuance as CRDs must have cleared the NEFSC's manuscript/abstract/webpage review process. If any author is not a federal employee, he/she will be required to sign an "NEFSC Release-of-Copyright Form." If your manuscript includes material from another work which has been copyrighted, then you will need to work with the NEFSC's Editorial Office to arrange for permission to use that material by securing release signatures on the "NEFSC Use-of-Copyrighted-Work Permission Form."

For more information, NEFSC authors should see the NEFSC's online publication policy manual, "Manuscript/abstract/webpage preparation, review, and dissemination: NEFSC author's guide to policy, process, and procedure," located in the Publications/Manuscript Review section of the NEFSC intranet page.

## **Organization**

Manuscripts must have an abstract and table of contents, and (if applicable) lists of figures and tables. As much as possible, use traditional scientific manuscript organization for sections: "Introduction," "Study Area" and/or "Experimental Apparatus," "Methods," "Results," "Discussion," "Conclusions," "Acknowledgments," and "Literature/References Cited."

## **Style**

The CRD series is obligated to conform with the style contained in the current edition of the United States Government Printing Office Style Manual. That style manual is silent on many aspects of scientific manuscripts. The CRD series relies more on the CSE Style Manual. Manuscripts should be prepared to conform with these style manuals.

The CRD series uses the American Fisheries Society's guides to names of fishes, mollusks, and decapod

crustaceans, the Society for Marine Mammalogy's guide to names of marine mammals, the Biosciences Information Service's guide to serial title abbreviations, and the ISO's (International Standardization Organization) guide to statistical terms.

For in-text citation, use the name-date system. A special effort should be made to ensure that all necessary bibliographic information is included in the list of cited works. Personal communications must include date, full name, and full mailing address of the contact.

## **Preparation**

Once your document has cleared the review process, the Editorial Office will contact you with publication needs – for example, revised text (if necessary) and separate digital figures and tables if they are embedded in the document. Materials may be submitted to the Editorial Office as files on zip disks or CDs, email attachments, or intranet downloads. Text files should be in Microsoft Word, tables may be in Word or Excel, and graphics files may be in a variety of formats (JPG, GIF, Excel, PowerPoint, etc.).

## **Production and Distribution**

The Editorial Office will perform a copy-edit of the document and may request further revisions. The Editorial Office will develop the inside and outside front covers, the inside and outside back covers, and the title and bibliographic control pages of the document.

Once both the PDF (print) and Web versions of the CRD are ready, the Editorial Office will contact you to review both versions and submit corrections or changes before the document is posted online.

A number of organizations and individuals in the Northeast Region will be notified by e-mail of the availability of the document online.

---

Research Communications Branch  
Northeast Fisheries Science Center  
National Marine Fisheries Service, NOAA  
166 Water St.  
Woods Hole, MA 02543-1026

**MEDIA  
MAIL**

## **Publications and Reports of the Northeast Fisheries Science Center**

The mission of NOAA's National Marine Fisheries Service (NMFS) is "stewardship of living marine resources for the benefit of the nation through their science-based conservation and management and promotion of the health of their environment." As the research arm of the NMFS's Northeast Region, the Northeast Fisheries Science Center (NEFSC) supports the NMFS mission by "conducting ecosystem-based research and assessments of living marine resources, with a focus on the Northeast Shelf, to promote the recovery and long-term sustainability of these resources and to generate social and economic opportunities and benefits from their use." Results of NEFSC research are largely reported in primary scientific media (*e.g.*, anonymously-peer-reviewed scientific journals). However, to assist itself in providing data, information, and advice to its constituents, the NEFSC occasionally releases its results in its own media. Currently, there are three such media:

*NOAA Technical Memorandum NMFS-NE* -- This series is issued irregularly. The series typically includes: data reports of long-term field or lab studies of important species or habitats; synthesis reports for important species or habitats; annual reports of overall assessment or monitoring programs; manuals describing program-wide surveying or experimental techniques; literature surveys of important species or habitat topics; proceedings and collected papers of scientific meetings; and indexed and/or annotated bibliographies. All issues receive internal scientific review and most issues receive technical and copy editing.

*Northeast Fisheries Science Center Reference Document* -- This series is issued irregularly. The series typically includes: data reports on field and lab studies; progress reports on experiments, monitoring, and assessments; background papers for, collected abstracts of, and/or summary reports of scientific meetings; and simple bibliographies. Issues receive internal scientific review and most issues receive copy editing.

*Resource Survey Report* (formerly *Fishermen's Report*) -- This information report is a regularly-issued, quick-turnaround report on the distribution and relative abundance of selected living marine resources as derived from each of the NEFSC's periodic research vessel surveys of the Northeast's continental shelf. This report undergoes internal review, but receives no technical or copy editing.

**TO OBTAIN A COPY** of a *NOAA Technical Memorandum NMFS-NE* or a *Northeast Fisheries Science Center Reference Document*, either contact the NEFSC Editorial Office (166 Water St., Woods Hole, MA 02543-1026; 508-495-2350) or consult the NEFSC webpage on "Reports and Publications" (<http://www.nefsc.noaa.gov/nefsc/publications/>). To access *Resource Survey Report*, consult the Ecosystem Surveys Branch webpage (<http://www.nefsc.noaa.gov/femad/ecosurvey/mainpage/>).

**ANY USE OF TRADE OR BRAND NAMES IN ANY NEFSC PUBLICATION OR REPORT DOES NOT IMPLY ENDORSEMENT.**