

Owen C. Nichols
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EDUCATION:

B. A. Marine Affairs, University of Rhode Island, May 1998.
M. Sc. Marine Sciences and Technology, University of Massachusetts – Dartmouth, September 2012.
Ph. D. candidate, Marine Sciences and Technology, University of Massachusetts – Dartmouth, anticipated completion date May 2018.

PROFESSIONAL EXPERIENCE:

2008 – present: Center for Coastal Studies, Provincetown, MA
Director, Marine Fisheries Research: directs program to conduct cooperative research with local fishermen and aquaculturists. Responsible for administration of multiple projects and grants; interagency communication and collaboration; preparation of research proposals, reports, presentations and manuscripts; supervision of undergraduate and graduate students and interns.

2007 – present: School for Marine Science and Technology, University of Massachusetts, New Bedford, MA
Graduate Research Assistant, Department of Fisheries Oceanography: participates in cooperative research projects - duties include sea sampling, deployment of advanced sensing/imaging equipment, and data analysis/management.

1999 – 2006: Center for Coastal Studies, Provincetown, MA
Research Assistant II, Right Whale Research: Coordinator/Co-Investigator, Right Whale Aerial Survey Program; proficient in field research techniques including systematic aerial and shipboard surveys, oceanographic sampling, and photo-identification; data analysis/management including database maintenance and Geographic Information Systems (GIS); responsible for supervision of laboratory and 3 staff, administration of multiple projects and grants; participated in education programs as a naturalist and lecturer.

PEER-REVIEWED PUBLICATIONS:

Nichols, O.C., E. Eldredge, and S.X. Cadrin. 2014. Gray seal behavior in a fish weir observed using Dual-frequency Identification Sonar. *Marine Technology Society Journal* 48(4): 72-78.

Rodhouse, P.G.K., G.J. Pierce, O.C. Nichols, and 15 others. 2014. Environmental effects on cephalopod population dynamics: implications for management of fisheries. *Advances in Marine Biology* 67: 99-233.

Nichols, O.C., H. Lind, J. Baldwin, A.R. Jackett, M. Borrelli, and P.A. Small, Jr. 2011. Site selection for sustainable aquaculture development areas: a practical mapping approach. *Journal of Ocean Technology* 6(3): 60-70.

Nichols, O.C. and U.T. Tschertter. 2011. Feeding of sea lampreys, *Petromyzon marinus* on minke whales, *Balaenoptera acutorostrata* in the St. Lawrence Estuary, Canada. *Journal of Fish Biology* 78(1): 338-343.

Nichols, O.C., R.D. Kenney and M.W. Brown. 2008. Spatial and temporal distribution of North Atlantic right whales (*Eubalaena glacialis*) in Cape Cod Bay, USA, and implications for management. *Fishery Bulletin* 106(3): 270-280.

Nichols, O.C. and P.K. Hamilton. 2004. Occurrence of the parasitic sea lamprey (*Petromyzon marinus*) on western North Atlantic right whales (*Eubalaena glacialis*). *Environmental Biology of Fishes* 71(4): 413-417.

NON-TECHNICAL ARTICLES:

Nichols, O. C. 2012. Seal/fisheries workshop fosters common ground. *Commercial Fisheries News* 39 (9): 29.

Nichols, O. C. 2011. Involve fishermen from the start to build strong research partnerships. *Commercial Fisheries News* 38 (7): 24.

SELECTED RECENT GRANTS:

- National Park Service Cape Cod National Seashore: 2017-2019 “Assessing the Benthic Community in a Partially Restored Lagoon to Improve Management Decision-Making” (Co-Investigator)
- NOAA Marine Debris Program: 2017-2018 “Fishing for Derelict Gear in Cape Cod and Massachusetts Bays” (Co-Investigator)
- Joshua A. Nickerson Conservation Fellowship: 2016-2017 “Shellfish and Horseshoe Crab Larval Flux at the East Harbor Tidal Restoration Site”
- NOAA Fisheries Saltonstall-Kennedy Grant Program: 2015-2017 “TickleDredge: Bycatch Reduction for the Sea Scallop Fishery”
- Friends of Pleasant Bay: 2015-2017 “Assessment of the Environmental Diversity and Productivity of Pleasant Bay” (Co-Investigator)

SELECTED RECENT PRESENTATIONS:

- Nichols, O.C. 2017. Community-based cooperative fisheries research: Small scales, big implications. 147th Annual Meeting of the American Fisheries Society, Tampa, Florida, August 20-25, 2017.
- Nichols, O. C. 2017. Shellfish and horseshoe crab larval flux at the East Harbor tidal restoration site: A pilot study. 22nd Annual Cape Cod Natural History Conference, Barnstable, Massachusetts, March 11, 2017.
- Bogomolni, A.L., and O.C. Nichols. 2016. A cooperative training workshop on marine animal - fisheries interactions for scientists, fishermen, marine mammal stranding network personnel and fisheries managers. National Marine Animal Health and Stranding Conference, Shepherdstown West Virginia, September 6-9, 2016.
- Nichols, O. C., J. R. King, J. A. Hare, and S. X. Cadrin. 2016. Environmental effects on squid availability to a seasonal inshore fishery: Untangling drivers, mechanisms and scales. University of Massachusetts 2016 Intercampus Marine Science Research Symposium, North Dartmouth, Massachusetts, March 25, 2016. **Winner, Best Presentation Award (PhD Student).
- Nichols, O. C. 2016. A gateway to mutual trust and understanding: Fishermen and scientists working together for sustainable fisheries. Slow Fish 2016 Conference, New Orleans, Louisiana, March 10-13, 2016.
- Nichols, O. C., T. Famulare, E. Sgarlat, and T. Lucas. 2016. One fish, two fish, red fish, new fish: Fisheries habitat investigations in Pleasant Bay: 2014-2016. 21st Annual Cape Cod Natural History Conference, Barnstable, Massachusetts, March 5, 2016.
- Nichols, O. C., and S. X. Cadrin. 2015. Localized depletion of an important forage species (*Doryteuthis pealeii*): Perceptions, processes, and policies. Cephalopod International Advisory Council Symposium, Hakodate, Japan, November 5-15, 2015.
- Nichols, O. C., J. R. King, J. A. Hare, and S. X. Cadrin. 2015. Environmental effects on squid availability to a seasonal inshore fishery: Untangling drivers, mechanisms and scales. Cephalopod International Advisory Council Symposium, Hakodate, Japan, November 5-15, 2015.
- Nichols, O. C., and C. Beggs. 2015. Is Pleasant Bay a lobster nursery? Results of a pilot settlement study. 20th Annual Cape Cod Natural History Conference, Barnstable, Massachusetts, March 14, 2015.

SELECTED TECHNICAL REPORTS:

- Bass, A.L., A. Bogomolni, G. Early, O.C. Nichols, and K. Patchett. 2016. Seals and ecosystem health: Meeting report of the Northwest Atlantic Seal Research Consortium. Woods Hole Oceanographic Institution Technical Report 2016-01.
- Nichols, O.C., A. Bogomolni, E. Bradfield, G. Early, L. Sette, and S. Wood. 2012. Gulf of Maine seals-fisheries interactions and integrated research. Woods Hole Oceanographic Institution Technical Report 2012-06.
- Bogomolni, A., G. Early, K. Matassa, O. Nichols, and L. Sette. 2010. Gulf of Maine seals- populations, problems and priorities. Woods Hole Oceanographic Institution Technical Report 2010-06.
- Leeney, R.H., O.C. Nichols, L. Sette, S. Wood LaFond, and P.E. Hughes. 2010. Marine megavertebrates and fishery resources in the Nantucket Sound - Muskeget Channel area: ecology, effects of renewable energy installations, and monitoring methodologies. Report to Harris Miller Miller & Hanson Inc. September 2010. 103 pp.
- Nichols, O.C. and H.L. Kite-Powell. 2005. Analysis of risk to North Atlantic right whales (*Eubalaena glacialis*) from shipping traffic in Cape Cod Bay. Final report submitted to NOAA Fisheries, Northeast Fisheries Science Center. NOAA Award No. NA03NMF4720489. February 2005.