

RICHARD MALLOY JR.
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EDUCATION

University of Massachusetts at Dartmouth, School for Marine Science and Technology May 2016

Master of Science, Department of Fisheries Oceanography

Thesis: Comparing Sea Scallop (*Placopecten magellanicus*) Abundance and Substrate Results Between Dredge and Optical Methods.

Cum. GPA: 3.65

University of Maine Orono, ME

May 2012

Bachelor of Science

Major: Natural Sciences with a concentration in Marine Biology

Minor: Fisheries

PROFESSIONAL EXPERIENCE

Anderson Cabot Center for Ocean Life at the New England Aquarium

Fisheries Research Associate, May 2017 – Present: Projects include the development and field testing of whale release buoy rope throughout New England fisheries, Field testing an Electronic Decoy for reducing Elasmobranch Bycatch in Pelagic Longline Fisheries, and Rope-less Fishing: Testing an innovative prototype for preventing whale entanglements.

University of Massachusetts, School for Marine Science and Technology

Laboratory Technician, May 2016 - April 2017: Serve as chief scientist on the SMAST drop camera video survey. Tasks include: Collection and analysis of field data, communicate and coordinate field activities of the team, assistance in writing technical reports including grant proposals and final reports to federal agencies, 8-day offshore research trips on Georges Bank aboard commercial fishing vessels, trouble-shoot mechanical and electrical problems while in the field, maintaining, preparing and loading survey equipment and quality checks of image digitizing analysis, experience operating and towing single engine vessels.

Graduate Research Assistant, January 2014 - May 2016: Major development and chief scientist of the 2013 and 2014 Combined SMAST Video and Dredge Sediment and Sea Scallop Survey. Tasks include: Design and development of new sampling gear and field sampling procedures to obtain both habitat information and sea scallop samples. Examination of the selectivity and efficiency of sampling gear. Collection, processing and analysis of marine habitat and substrate. Maintaining, preparing and loading survey equipment including hydraulic winches and dredges.

Research Assistant, June 2012 - January 2014: Assistance with the SMAST Scallop Video Survey. Tasks include: Loading and preparing commercial vessels for survey trips, 8-day offshore research trips aboard commercial fishing vessels, analysis of video data using image processing software, classify marine invertebrates, fish, and substrate as part of image analysis process. Participation in additional research projects including data processing in the SMAST Yellowtail Founder Bycatch Avoidance Program, Port-side sampling and tissue collection for the River Herring and American Shad Bycatch Avoidance Program, participation in the SMAST sea scallop tagging project and the American Lobster tag-recapture survey in Buzzards Bay.

PUBLICATIONS/CONTRIBUTED REPORTS/PRESENTATIONS

Malloy Jr, R., Bethoney, N.D., He, P., Rudders, D.B. and Stokesbury, K.D.E. Comparing Sea Scallop (*Placopecten magellanicus*) Abundance and Substrate Results between Dredge and Optical Methods. *Manuscript in preparation*

Stokesbury, K.D., Adams, E.K., Ascii, S.C., Bethoney, D., Inglis, S., Jaffarian, T., Keiley, E.F., Rosellon, J.M., Druker, R., Malloy Jr., R., O'Keefe, C.E. 2015. SMAST Sea Scallop (*Placopecten magellanicus*) Drop Camera Survey From 1999-2014. Department of Fisheries Oceanography (DFO), School for Marine Science and Technology, University of Massachusetts—Dartmouth. Fairhaven, MA. Presented to Scallop Survey Methodologies Peer Review, March 17-19, 2015, New Bedford, MA. 34p.

Malloy Jr, R., Bethoney, N.D and Stokesbury, K.D.E. Applying dredge and optical methods to compare sediment classification and size frequency of the sea scallop (*Placopecten magellanicus*). Oral presentation: National Shellfisheries Association's 107th Annual Conference. Monterey Bay, California. March 2015.

Malloy Jr, R., Bethoney, N.D., Inglis, S. and Stokesbury, K.D.E. Confirming video survey sediment and sea scallop size frequency observations with a modified sled dredge. Poster presentation: American Fisheries Society 144th Annual Conference. Quebec City, Canada. August 2014.

RELEVANT COURSE WORK

ArcGIS for Marine Applications, Glaciers and our landscape, Quantitative Methods for Multidisciplinary Marine Applications, Freshwater Fisheries Ecology and Management, Chemical Oceanography, Biological Oceanography, Physical Oceanography, Marine Policy, Fisheries Management, Marine Ecology, Integrative Marine Science IV: Comparative Physiology

CERTIFICATIONS

American Heart Association certification in CPR, First Aid and AED
Fishermen Basic Safety & Survival Training Certification, United States Coastguard

MEMBERSHIP/AWARDS

The Society of Marine Mammalogy, 2017- Present
American Institute of Fisheries Research Biologist (AFIRB) New England, 2014-Present
American Fisheries Society, 2014-Present
National Shellfisheries Association, 2015- Present
Patrick P. Marino scholarship, 2011

OTHER SKILLS

Proficient in ArcGIS, SPSS, R-code, ImagePro and Microsoft Office