

# Eliza C. Moore, M.S.

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## EDUCATION

- 2005 – 2008      **San Diego State University** – San Diego, CA  
M.S. – Biology – Marine ecology program area – GPA – 4.00  
Major Advisor – Dr. Kevin A. Hovel  
*Thesis title* – “Relative influence of habitat complexity and edges on seagrass epifaunal communities.”
- 2003              **Northeastern University** – Jamaica, West Indies, & Nahant, MA  
Three Seas Marine Biology Program
- 2000 – 2005      **Northeastern University** – Boston, MA  
B.S. – Biology – Marine concentration – *magna cum laude* – GPA – 3.60

## WORK EXPERIENCE

- Oct. 2012 –      **Research Assistant – Brown University – Providence, RI**  
*present*  
-Assistant to Dr. Jon Witman (Ecology and Evolutionary Biology Dept.)  
-Analysis of photo-quadrats for percent cover of barnacles and other fouling and benthic invertebrates.  
-Review time-lapse footage, identifying fish species and interpreting behavior.
- July 2012 –      **Environmental Scientist – ESS Group, Inc. – East Providence, RI**  
*present*  
-Taxonomy of benthic and planktonic invertebrates for biomonitoring efforts.  
-Collection of water quality and biological samples for stream and lake monitoring.  
-Data analysis and preparation of technical reports and environmental assessments.
- June 2008 –      **Marine Biologist II – City of San Diego – Public Utilities Department**  
Dec. 2011  
-Preparation of ocean monitoring reports: data analysis, presentation, writing, technical and production editing.  
-Taxonomic identification of arthropods collected in benthic sediment grab samples.  
-Taxonomic identification of trawl-caught benthic invertebrates.  
-Collection of oceanographic and biological samples from research vessels (e.g., CTD, Niskin, & Van Dorn bottles, benthic grabs, otter trawls, SCUBA).  
-Project management of facility’s participation in the ISO program for document control and environmental impact management.
- Aug. 2005 –      **Teaching Associate – General Biology/Zoology Labs – San Diego State University**  
May 2008  
-Taught general biology laboratories covering topics such as mitosis, respiration, photosynthesis, genetics, natural selection, etc.  
-Led a laboratory course on major animal phyla using live and preserved specimens.  
-Lectured and managed lab activities and assignments.
- Aug. 2005 –      **Research Diver/Technician – P.I. Dr. Kevin Hovel – San Diego State University**  
Aug. 2007  
-Conducted field studies of California Spiny Lobster behavior in kelp forests including diving, lobster tagging, and active and passive acoustic tracking.  
-Managed and conducted field experiments on grass shrimp movement in lab mesocosms and in eelgrass beds within San Diego Bay.
- May 2005 –      **Research Diver/Technician – P.I. Dr. Geoff Trussell – Northeastern University**  
July 2005  
-Conducted ecological experiments in the rocky intertidal and lab mesocosms to study invertebrate ecology, behavior, and physiology. Study sites in Nahant, Massachusetts and Lubec, Maine.  
-Collected colonial ascidians from dive sites throughout northern Massachusetts for lab studies on fouling community ecology.  
-General management and organization of lab space, equipment, and journals.
- Jan. 2002 –      **Guest Services – Harvard Museum of Natural History**  
Mar. 2005  
-Responsible for general knowledge of museum collections and history as part of communication with guests and visiting groups.

- Mar. 2001 – **Lab Assistant – P.I. Dr. Gwilym Jones – Northeastern University**  
 Dec. 2004 -Prepared vertebrate bone and skin specimens for museum collections.
- July 2003 – **Research Technician (summer) – P.I. Dr. Robert Carpenter – Hawaii Institute of Marine Biology (employed by California State University at Northridge)**  
 Aug. 2004  
 -Measured flow patterns over coral heads in a seawater flume.  
 -Deployed oceanographic sampling equipment on coral reefs in Kaneohe Bay.  
 -Conducted independent study on coral growth patterns.
- Sept. 2001 – **Community Outreach Intern – Harvard Museum of Natural History**  
 Dec. 2001  
 -Developed an afterschool program for Boston-area school children to visit the museum and learn more about the collections and history.

## SERVICE AND OTHER EXPERIENCE

- 1/2009 **Guest Lecturer and Tour Guide** – International Student Center – University of California, San Diego  
 -Gave a lecture on the California Gray Whale and their migration and led two whale watches, providing commentary.
- 2/2009 **Volunteer Mentor** – Expand Your Horizons: Science and technology fair for girls  
 -Mentored and led a group of girls to various activities throughout a full-day science fair. Included discussion of my career and education in the natural sciences.
- 11/2005, **Guest Instructor** – Ocean Discovery Institute  
 11/2006, -Led afterschool activities in the lab and field engaging students in the study of marine  
 11/2007 ecology and field study.

## TECHNICAL PUBLICATIONS

- The chapter citations listed below can be found in the following annual reports:
  - Annual Receiving Waters Monitoring Report for the Point Loma Ocean Outfall. City of San Diego Ocean Monitoring Program, Public Utilities Department, Environmental Monitoring and Technical Services Division, San Diego, CA.
    - Latker, A, **E. Moore**, and R. Gartman (2011) Bioaccumulation, 2010.
    - **Moore, E.** (2011). Sediment Conditions, 2010.
    - **Moore, E.** (2010). Sediment Characteristics, 2009.
    - **Moore, E.** and A. Latker (2009). Sediment Characteristics, 2008.
  - Annual Receiving Waters Monitoring Report for the South Bay Ocean Outfall (International Wastewater Treatment Plant). City of San Diego Ocean Monitoring Program, Public Utilities Department, Environmental Monitoring and Technical Services Division, San Diego, CA.
    - Latker, A, **E. Moore**, and R. Gartman (2011). Bioaccumulation, 2010.
    - **Moore, E.** (2011) Regional Sediment Conditions, 2010.
    - **Moore, E.** (2011). Sediment Conditions, 2010.
    - **Moore, E.** and A. Latker (2010). Regional Sediment Conditions, 2009.
    - **Moore, E.** and A. Latker (2010). Sediment Characteristics, 2009.
    - **Moore, E.** (2009). Sediment Characteristics, 2008.

## PEER REVIEWED PUBLICATIONS

- **Moore, E.C.** and K.A. Hovel. (2010). Relative influence of habitat complexity and proximity to patch edges on seagrass epifaunal communities. *Oikos* 119: 1299–1311.

## SKILLS

- Taxonomy – Marine fish and invertebrates
- Field – American Academy of Underwater Science Research Diver (~250 dives), small boat (~18', center console) trailering and operation, hydraulic winch, CTD, Van Dorn and Niskin bottles, otter trawl, Van Veen grab.
- Database – SQL, Oracle 10g, Access
- Data Analysis – Univariate and multivariate statistics
- Data Analysis/Visualization software – SAS, R, Systat (vers. 10, 11, 12), PRIMER-E (vers. 6), SigmaPlot (vers. 8.0 and 11)
- GIS – Introductory course using ArcGIS 9.X and CommonGIS
- Report production – Adobe InDesign
- Computer – Microsoft XP and Mac X, Microsoft Office
- Public speaking

## AWARDS

- 2011 **Employee Excellence Award** – City of San Diego – Public Utilities Department
- 2010 **Employee Excellence Awards (3)** – City of San Diego – Public Utilities Department  
**Employee of the Quarter** – City of San Diego – Environmental Monitoring and Technical Services
- 2008 **Honorable Mention** – Best Student Talk – Western Society of Naturalists  
-89<sup>th</sup> Annual Conference – Vancouver, British Columbia

## CERTIFICATIONS AND MEMBERSHIPS

- Southern California Association of Marine Invertebrate Taxonomists (SCAMIT)
- Western Society of Naturalists
- YMCA Silver Advanced SCUBA
- Golden Key Honor Society

## ACTIVITIES

- Hiking, backpacking, camping
- Gardening
- Birding
- Food preserving
- Tidepooling
- Baking/cooking