

## Curriculum Vitae

**Name:** Thomas M. Grothues  
**Address:** Institute of Marine and Coastal Science  
Rutgers University Marine Field Station  
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### Education

B.A., Aquatic Biology; University of California, Santa Barbara 1988  
M.S., Biology, California State University, Northridge; 1994  
M.Phil., Coastal Oceanography, Marine Sciences Research Center, SUNY at Stony Brook; 1997  
Ph.D., Coastal Oceanography, Marine Sciences Research Center, SUNY at Stony Brook, August, 1999

### Work and Research Experience

2006. Acting Science Director. National Undersea Research Program, Middle Atlantic Bight Regional Center  
2001-present Assistant Research Professor, Rutgers University  
1999-2001 Post-doctoral research associate, Rutgers University  
1996-1998 New York Sea Grant Scholar  
1990-1994 Graduate Research Coordinator, Research Assistant: Bay Estuary Nearshore Ecological Study, Cal State Univ., Northridge  
1993 Graduate Assistant: Advanced Ichthyology, Cal State Univ., Northridge  
1992 Assistant Coordinator: State Resources Intertidal Baseline Study, Leo Carrillo State Beach. California State Resources Agency  
1998-1993 Marine Scientist, crew: University of Southern California Marine Support Facility, Terminal Island, CA 90731  
1989-1990 Aquaculture Technician: Gregorio Aquatech, Terminal Is. CA 90731  
1989 Field Research Assistant: Catalina Island Marine Science Center, CA

### Teaching Experience and Mentoring

2004-2006 Faculty, Graduate Program in Oceanography, Institute of Marine and Coastal Sciences, Rutgers University  
2002-2006. Mentoring of Clare Ng, Graduate student (M.Sc.) Graduate School, Institute of Marine and Coastal Sciences, Rutgers University.  
2006. Mentoring of RIOS Interns Margeret Malone, Greg Henkes, Paul Clerkin.  
2002-2005. Mentoring of Dana Rowles, Graduate student (M.Sc.) Institute of Marine and Coastal Sciences, Rutgers University.  
2004-2005. Mentoring of Fernando Fuentes, RIOS and Undergraduate Cook Scholar

Honors Thesis Program as Project Advisor.  
2004. Mentoring of Anya Watson, RIOS Intern, co-advisor.  
2004. Mentoring of Katherine Seebald, RIOS Intern, co-advisor  
2001, 2003 Guest lectures: Ichthyology (Multivariate Statistics, Systematics, Migration Ecology)  
2001. Summer intern supervisor for Christian Gruber, undergraduate, Stockton College. Distribution of mummichog (*Fundulus heteroclitus*) fecundity across a salinity gradient.  
2000. Summer intern supervisor for David Hutnick. Summer intern, undergraduate, Rutgers University. Analysis of the stomach contents of white perch, *Morone americana*, from the upper Delaware Bay.  
1997 –1998 Jason Project (Teacher’s Advancement, 12/97; Gardiner’s Ave School, Levitown, NY. 01/98)  
1995 Teaching Assistant: Computer Laboratory, SUNY at Stony Brook  
1994 Teaching Assistant: Oceanic Problem Solving, SUNY at Stony Brook  
1992 Graduate Assistant: Biology of Pelagic Organisms, Cal State Univ., Northridge  
1988-1992 Laboratory instructor on board R/V Sea Watch for numerous courses including: Oceanography (USC), Marine Biology (Cerritos JC, Fullerton JC, CSLA, CSDH, UCLA, LAUSD Teacher’s Advancement)

### **Honors and Awards**

1993 Honors, California State University, Northridge, CA  
1992 Phi Kappa Phi National Honor Society Judge Julian Beck Award for Academic Excellence

### **Society Membership**

American Fisheries Society, Early Life History Section  
American Society of Limnology and Oceanography  
Phi Kappa Phi Honor Society  
Sigma Xi

### **MS Thesis**

An investigation into the genetic population structure and larval dispersal patterns of the kelp bass (*Paralabrax clathratus*). California State University, Northridge, CA

### **Ph.D. Dissertation**

Larval fish exchange between the South and Middle Atlantic Bights. Marine Sciences Research Center, State University of New York, Stony Brook, NY

### **Publications (Refereed)**

Able K. W. and Grothues T. M. In press. Approaches to Understanding Habitat Dynamics of Flatfishes: Advantages of Biotelemetry. *J. Sea Research*

Able, K. W. and T. M. Grothues. In press. Diversity of striped bass (*Morone saxatilis*) estuarine movements: Synoptic examination in a passive, gated listening array. *Fisheries Bulletin*

Grothues, T. M., K. W. Able, J. McDonnell, M. Sisak. 2005. An estuarine observatory for real-time telemetry of migrant macrofauna: design, performance, and constraints. *Oceanography and Limnology: Methods* 3: 275-289

Able, K., D. Nemerson and T. M. Grothues. 2004. Evaluating salt marsh restoration in Delaware Bay: Continued analysis of fish response at former salt hay farms. *Estuaries* 27(1): 58-69

Grothues, T. M. and K. W. Able. 2003. Discerning vegetation and environmental correlates with subtidal marsh fish assemblage dynamics during *Phragmites* eradication efforts: interannual trend measures. *Estuaries*. 26(2B): 574-586

Grothues, T. M. and K. W. Able. 2003. Response of juvenile fish assemblages in tidal marsh creeks during treatment for *Phragmites* removal. *Estuaries*. 26(2B): 563-573

Grothues, T. M., R. K. Cowen, L. J. Pietrafesa, G. Weatherly, F. Bignami and C. Flagg. 2002. Flux of larval fish around Cape Hatteras. *Limnol. Oceanogr.* 47(1): 165-175

Grothues, T. M. and R. K. Cowen. 1999. Larval fish assemblages and water mass history and in a major faunal transition zone. *Cont. Shelf Res.* 19:1171-1198

### **Manuscripts in Review**

Able, K. W., T. M. Grothues, S. M. Hagan, M. E. Kimball, D. M. Nemerson. In review. Long-term response of fishes to restoration of former salt hay farms: Multiple measures of restoration success. Submitted to: *Reviews of Fish Biology and Fisheries*

Dana K. Sakkett, Kenneth W. Able, and Thomas M. Grothues. In review. Dynamics of summer flounder, *Paralichthys dentatus*, seasonal migrations based on ultrasonic telemetry. Submitted to: *Est. Coastal Shelf Sci.*

Grothues, T. M. and R. K. Cowen. In review. Estimating the role of advection to recruitment variation at Cape Hatteras, NC. Submitted to: *Can. J. Fish. Aqua. Sci.*

Grothues, T. M., R. K. Cowen and J. A. Hare. In review. Dynamics of the springtime larval fish assemblages at Cape Hatteras. Submitted to: *Est. Coastal Shelf Sci.*

Grothues, T. M. and K. W. Able. In review. Acoustic Telemetry of Bluefish, *Pomatomus saltatrix* in an estuarine observatory: A preliminary study of habitat use and the feasibility of coastal application. Submitted to *Trans. Am. Fish. Soc.*

D. K. Rowles, K.W. Able, T.M. Grothues. In review. Habitat dynamics of summer flounder, *Paralichthys dentatus*, based on multiple approaches with acoustic telemetry. Submitted to *Mar. Ecol. Prog. Ser.*

Ng, C., K. W. Able, and T. M. Grothues. In review. Habitat use, site fidelity, and movement of adult striped bass in a southern New Jersey estuary based on acoustic telemetry. Submitted to *Trans. Am. Fish. Soc.*

### **Manuscripts in Preparation**

Grothues, T. M. and B. A. Phelan. Estuary-scale movement of telemetered winter flounder, *Pseudopleuronectes americanus*, in a fixed hydrophone array. Target Journal: *Estuaries*

Grothues, T. M. In prep. The diversification of acoustic telemetry technology and its impacts for unified tracking arrays. (Target Journal: *Hydrobiologia*)

Rowe, P. M., T. M. Grothues, and K. W. Able. In prep. Fish assemblages of the southern New Jersey surf zone: a focus on habitat utilization by young-of-the-year. (Target Journal: *Est. Coastal Shelf Sci.*)

Grothues, T. M. and K. W. Able. In prep. An analysis of the Delaware Bay larval fish assemblage and its connection with the fish populations of the fringing marshes. (Target Journal: *Est. Coastal Shelf Sci.*)

P. M. Rowe, K. W. Able, T. M. Grothues. In prep. Neustonic fish composition and distribution on the inner continental shelf off New Jersey. Submitted to: *Est. Coastal Shelf Sci.*

### **Book Reviews**

Grothues, T. M. 1999. Book review. The first year in the life of Estuarine Fishes in the Middle Atlantic Bight. By K. W. Able and M. P. Fahay. Transactions American Fisheries Society.

### **Grants Awarded**

Granting agency: National Undersea Research Program (NURP) Development. Program Period 4/1/2006-3/31/2007. Total grant (direct costs) \$15,000. Title: Calibrating the

estuarine telemetry observatory performance among fish species to optimize coast-wide deployments Principle Investigator (100%).

Granting agency: New Jersey Department of Transportation, Maritime Resources. Program Period: 7/01/2005 –6/30/2007. Total grant (direct costs) \$191,657 Title: Fine-scale spawning habitat delineation for winter flounder: an approach to help mitigate dredging effects. Co-Principle Investigator (70%).

Granting agency: Public Service Enterprise Group. Program Period 04/01/2005 - 03/31/2006. Title: A continued evaluation of marsh restoration in Delaware Bay during 2005: comparison of fish assemblage structure. \$335,130. Co-Principle Investigator 50%

Granting agency: Rutgers University, Bluefish/Striped Bass Dynamics Research Program Period 4/1/2004-11/31/2005. Total grant (direct costs) \$47,558. Title: Acoustic telemetry of bluefish in Gulf of Maine and Middle Atlantic Bight estuaries and in the Adjacent Coastal Ocean. Principle Investigator (100%).

Granting agency: Bluefish/Striped Bass Dynamics Research Program 2004-2005: Year 3 Migration dynamics of striped bass in the Middle Atlantic Bight using recent advances in telemetry technology. Co-PI, \$70,256.

Granting agency: National Undersea Research Program (NURP). Period 4/1/2004-4/31/2005. Total grant (direct costs) \$174,542. Title: Passive Acoustic Mapping of Essential Fish Habitat at LEO-15. Co-Principle Investigator (50%).

Granting agency: Bluefish/Striped Bass Dynamics Research Program 2003-2004: Year 2 Migration dynamics of striped bass in the Middle Atlantic Bight using recent advances in telemetry technology. Co-PI, \$53,256.

Granting agency: Bluefish/Striped Bass Dynamics Research Program Period 8/1/2002-7/31/2003. Total grant (direct costs) \$181,212. Title: Migration dynamics of striped bass in the Middle Atlantic Bight using recent advances in telemetry technology. Co-Principle Investigator 50 %.

Granting agency: Rutgers University, Bluefish/Striped Bass Dynamics Research Program Period 8/1/2002-7/31/2003. Total grant (direct costs) \$181,212. Title: Migration dynamics of striped bass in the Middle Atlantic Bight using recent advances in telemetry technology. Co-Principle Investigator 50 %.

Granting agency: Public Service Enterprise Group. Program Period 04/01/2003 - 03/31/2005. Title: A continued evaluation of marsh restoration in Delaware Bay during 2003-2004: comparison of fish assemblage structure. \$613,355. Co-Principle Investigator 50%

### **Grants Pending**

Granting agency: Nigerian –São Tomé Joint Development Authority. Requested Award Total: \$372,505. Title: Marine Resource Survey for the Nigerian –São Tomé Joint Development Zone: A Proposal to Survey Fish and Fisheries Resources

Granting Agency: City of New York. Requested Award Total: \$301965. Title: behavior of fishes associated with piers: responses in the Lower Hudson River

### **Technical Reports**

Able, K. W., T. M. Grothues, G. Petruzelli. 2006. Marsh Restoration Project: Fish Assemblage Structure. Final Report to Public Service Enterprise Group.

Able, K. W., T. M. Grothues, G. Petruzelli. 2005. Marsh Restoration Project: Fish Assemblage Structure. Final Report to Public Service Enterprise Group.

Able, K. W., T. M. Grothues, G. Petruzelli. 2004. Marsh Restoration Project: Fish Assemblage Structure. Final Report to Public Service Enterprise Group.

Able, K. W., T. M. Grothues, S. Piotrowski. 2003. Marsh Restoration Project: Fish Assemblage Structure. Final Report to Public Service Enterprise Group

Grothues, T. M. and K. W. Able. 2002. Supplementary Report. An analysis of the Delaware Bay larval fish assemblage and its connection with the fish populations of the fringing marshes.

Able, K. W., T. M. Grothues, S. Piotrowski. 2002. Marsh Restoration Project: Fish Assemblage Structure. Final Report to Public Service Enterprise Group.

Able, K. W., T. M. Grothues, S. Piotrowski. 2001. Marsh Restoration Project: Fish Assemblage Structure. Final Report to Public Service Enterprise Group.

Able, K. W., T. M. Grothues, B. Lemasson. 2000. Marsh Restoration Project: Fish Assemblage Structure. Final Report to Public Service Enterprise Group.

### **Web Publication (Not peer-reviewed)**

StriperTracker: <http://www.StriperTracker.org>

A Field Guide to the Fishes of Great Bay. Delalio, C., K. Johnson, T. M. Grothues  
<http://www.stripertracker.org/biology/fieldguide.html>

The Winter Flounder Web. <http://marine.rutgers.edu/navesink/>

LeoPhone. <http://marine.rutgers.edu/leophone/>

## **Presentations**

2006. Estuary-scale movement of telemetered winter flounder. Tenth Flatfish Biology Conference. Westbrook, CT 11/29

2006. SeaPort lunch and Learn: End of the year research report: Public presentation at the Tuckerton Seaport sponsored by the Jacques Cousteau National Estuarine Research Reserve Education Center, Tuckerton, NJ, 12/6

2006. Stripetracker. Hi-Mar Fishing Club. Highlands, NJ 11/06

2006. The biology of summer flounder, *Paralichthys dentatus*. Manasquan Fishing Club, Manasquan NJ, 11/3

2006. The biology of summer flounder, *Paralichthys dentatus*. Public presentation at the Tuckerton Seaport sponsored by the Jacques Cousteau National Estuarine Research Reserve Education Center, Tuckerton, NJ, 9/13

2006. Winter Flounder Telemetry – Year 1 Results. I Boat New Jersey Best Practices Mini Series. Pamoona, NJ. 8/21

2006. Saltwater Anglers of Bergen Fishing Club. Rochelle Park, NJ. 8/15

2006 Fish Tracking with Rutgers. Congressional Site Visit 8/9

2006 RIOS Intern Poster: Investigating Feasibility of Acoustic Telemetry and Habitat Use of Adult Hickory Shad, *Alosa mediocris*, in the Mullica River/Great Bay Estuary, New Jersey, G. A. Henkes, T. M. Grothues, and K. W. Able. 8/4

2006 8/4 RIOS Intern Posters Distribution of telemetered smooth dogfish, *Mustelus canis*, in a southern New Jersey estuary. M.A. Malone, T. M. Grothues, and K. W. Able. 8/4

2006 8/4 RIOS Intern Posters Movement of Sub-Adult Striped Bass (*Morone saxatilis*) within an Estuarine Ecosystem. P. Clerkin, T. M. Grothues, and K. W. Able. 8/4

2006. “Marine Fishes of New Jersey: A habitat transect from marsh surface to benthopelagic” Presentation for MARE, JCNEER Education Center, NJ 7/29

2006. StriperTracker. COSEE-MA Oversight meeting. JCNERR Eductaion Center, NJ 7/10

2006. StriperTracker. Jersey Coast Anglers Association Meeting. Toms River, NJ. 6/27

2006. It came from the marsh! Where did it go? Eisenhower Middle School. Wyckoff, NJ. 5/17

2006. Which way did he go, George? Sandy Hook Seminar Series, NMFS Howard Laboratory, 4/13

2006. Understanding and Resolving Conflicts Between Winter Flounder and Dredging. I Boat New Jersey Best Practices Mini Series. Pamonoa, NJ. 3/2

2006. “The Rutgers University StriperTracker Program”. FatherTime. Keansburg, NJ. 2/25

2006. “Going in New Directions to Understand Fish Movement”. Tuckerton Seaport Lunch and Learn Seminar. Tuckerton, NJ 6/25

2005 “Results from the Rutgers University StriperTracker Program”. Coastal Flyrodders Association. Wyckoff, NJ. 11/6

2005. Understanding and Resolving Conflicts Between Winter Flounder and Dredging. I Boat New Jersey Dredging Mini Series. Long Branch, NJ. 10/6

2005 “The Rutgers University StriperTracker Program”. RUMFS Open House. Tuckerton, NJ 10/1

2005 “An introduction to StriperTracker” Estuaries Live. Tuckerton, NJ 9/22

2005 “The Rutgers University StriperTracker Program”. Tuckerton Seaport Members Meeting. Tuckerton, NJ 9/9

2005 “The Rutgers University StriperTracker Program”. MARE Banquet Keynote address. Tuckerton, NJ 8/17

2005 “The Rutgers University StriperTracker Program”. Tuckerton Seaport Lunch and Learn Seminar. Tuckerton, NJ 6/25

2005 “It Came From the Marsh: A Striped Ambassador to the Classroom” Presentation for MARE, RUMFS, NJ 8/17

2005 “The Rutgers University StriperTracker Program”. Tuckerton Seaport Seafood Festival. Tuckerton, NJ 6/25

2005 “It Came From the Marsh: A Striped Ambassador to the Classroom” Teach at the Beach Keynote Address, MAST Academy, Sandy Hook, NJ 5/13

2005 “The Rutgers University StriperTracker Program”. Absecon Bay Saltwater Sportsman’s Club, Brigantine, NJ 03/14

2005 “Bluefish telemetry in the Jacques Cousteau National Estuarine Research Reserve. Oral Presentation”. Bluefish Research Coordination Workshop. Rutgers University, New Brunswick, NJ. 2/23

2005 “Fish Movement: Going in new directions to understand Essential Fish Habitat” Lunch and Learn Seminar Series, Tuckerton, NJ 01/19

2004 “The Rutgers University StriperTracker Program” Harbor Village Fishing Club, Manahawkin, NJ 11/12

2004 “An Estuarine Observatory for Telemetry of Migrant Macrofauna ” Poster and Demonstration. Grothues, T. M., Ng, C., Able, K.W. Coast Day New Jersey, Barnegat Light, NJ 10/9

2004 “The use of ultrasonic telemetry of assessing diel differences in habitat use by juvenile summer flounder, *Paralichthys dentatus*, in the Great Bay-Little Egg Harbor Estuary. Poster. RIOS Research Presentations K. Seebald, D. Rowles, J. Quinlan, T. Grothues, and K. W. Able. 7/1

2004 “Tracking the elusive Great Bay Horseshoe Crab *Limulus polyphemus* with ultrasonic telemetry: What do horseshoe crabs do after the spawning season?” Poster. RIOS Research Presentations. A. Watson, J. Quinlan, T. M. Grothues, and K. W. Able 7/1

2004 “Marine Fishes of New Jersey: A habitat transect from marsh surface to benthopelagic” Presentation for MARE, JCNEER education center 8/8

2004 “Striper Tracking” Eagleswood Elementary School. Eagleswood, NJ 4/22

2004 “The Rutgers University StriperTracker Program” Strathmere Fishing and Environmental Club, Strathmere NJ, 4/10

2004 “The Rutgers University StriperTracker Program” Tuckerton Sea Port, Tuckerton NJ, 4/8

2004 “The Rutgers University StriperTracker Program” Stockton College Biology Club, 3/10

2004 “The Rutgers University StriperTracker Program” Delaware River Shad Fishermen’s Association, Bethlehem, PA 2/18

2004 “The Rutgers University StriperTracker Program” Estuarine Research Reserve Advisory Group from Bridgeton, NJ 2/16

2003 “The Rutgers University StriperTracker Program” Coastal Flyrodders, Union NJ, 11/18

2003 “The Rutgers University StriperTracker Program” Department seminar, University of New England, Maine. 10/23

2003 “The Rutgers University StriperTracker Program” Village Harbor Fishing Club” Mill Creek, NJ 10/10

2003 “The Rutgers University StriperTracker Program” Poster presentation at Governor’s Surf Fishing Tournament, Island Beach State Park, NJ, 11/05

2003 “New Directions in Understanding Fish Movement”. Community College Coastal Observation Workshop 5/30, 6/20, 7/15, 8/10

2003 “The Rutgers University StriperTracker Program” IMCS Advisory Board, Tuckerton, NJ 7/17

2003 “The Rutgers University StriperTracker Program” Congressional Site visit, Tuckerton, NJ 7/13

2003 “Fish Movement: Going in new directions to understand Essential Fish Habitat” In Too Deep Dive Club. Union NJ 3/14

2003 “Fish Movement: Going in new directions to understand Essential Fish 10-10 Celebration Poster 3/10

2003 “A model acoustic observatory for studying ultrasonically tagged fish in the Hudson River estuary. Grothues, T. M and K. W. Able. Workshop on interests in the Hudson River Estuary. Sandy Hook NJ. January

2002 “Spatial and Temporal Patterns of Hogchoker (*Trinectes maculatus*) Reproduction in the Delaware Bay Estuary”. C. M. Hodgson, S. G. Piotrowski, K. W. Able and T. M. Grothues. Poster. Flatfish Biology Conference, Westbrook CT. December

2002 “A program to study migration dynamics of striped bass using recent advances in ultrasonic telemetry” Poster. Able and Grothues. America Fisheries Society, Baltimore, August

2002 “Utilization of Delaware Bay marshes by YOY fishes abiotic variables and larval supply” Grothues and Able America Fisheries Society, Baltimore, August

2002 “Marine Fishes of New Jersey: A habitat transect from marsh surface to benthopelagic” Presentation for MARE, Aug 11, JCNEER education center

2002 “Biology of the summer flounder and proposed advancements in research” Middle Atlantic Chapter, American Fisheries Society, DE

2001 “Response of juvenile fish assemblages in tidal marsh creeks during treatment for *Phragmites* removal. Phragmites Forum, Vineland, NJ

2001 “Utilization of marsh creeks by YOY fishes: contribution of larval supply and abiotic variables in Delaware Bay” 25<sup>th</sup> Annual Larval Fish Conference, Sandy Hook, NJ

2001 “Evaluating salt marsh restoration in upper Delaware Bay: Analysis of fish response to treatment for the eradication of the common reed *Phragmites australis*. American Fisheries Society Tidewater Chapter Meeting, MD

2001 “Ongoing research at the Rutgers University Marine Field Station” Osborn Island Residents Association, Little Egg Harbor, NJ

2000 “An analysis of the Delaware Bay larval fish assemblage” 24<sup>th</sup> Annual Larval Fish Conference Gulf Shores, AL

2000 “Ocean motion and fish populations: the effect of physical oceanography on larval marine fish recruitment.” Georgian Court College Dept. Seminar

1999 “Larval fish flux around Cape Hatteras” Larval Fish Conference, NC

1998 “Transport related mortality of larval fishes at Cape Hatteras” American Fisheries Society, Hartford, CT

1998 “Trophodynamics of tropical larval fish off the west coast of Barbados, West Indies” poster, American Fisheries Society, Hartford, CT

1998 “Kelp Forests of the Pacific” Sigma Xi Induction, C.W. Post College, NY

1988 “Kelp Forests of the Pacific” Long Island Aquatic Association, Hempstead

1998 “Kelp Forest Communities”, Jason Project IX, BOCES, Nassau, NY

1997 “Larval fish exchange around Cape Hatteras” American Society of Ichthyologists and Herpetologists, Seattle, WA

1994 “An Investigation into the genetic population structure and larval dispersal patterns of kelp Bass”, American Society of Ichthyologists and Herpetologists, Los Angeles, CA

1993 “An Investigation into the genetic population structure and larval dispersal patterns of kelp bass”, American Society of Zoologists; Los Angeles, CA

1993 “An Investigation into the genetic population structure and larval dispersal patterns of kelp Bass”, California Academy of Sciences; Long Beach, CA

1993 “Molecular techniques for the study of population genetics” Department Seminar Series, Fullerton College, Fullerton CA

1993 “Population genetics of kelp bass” poster American Society of Ichthyologists and Herpetologists; Austin, TX

1992 “RAPD markers in kelp bass populations” International Symposium of Marine Biology; La Paz, Mexico

### **Service and Elected Positions**

2003-present. Member COSEE Science Bridge

2002–present. Member, National Estuarine Research Reserve Advisory Committee

2000-present. Northeast Regional Representative, Early Life History Section of the American Fisheries Society

### **Reviews Provided Since 2001**

*Progress in Oceanography*. Editor Charlie Miller, March 2006

National Science Foundation. Proposal review April 2006(a,b), October 2005, April 2005, October 2004(a,b),

*New Jersey Academy of Sciences*. Editor Michael Kennish. December 2005

North Carolina Sea Grant, Research Proposal review, February 2005, September 2005 (a,b)

*Estuaries*. Editor Stephen Threlkeld. April 2005

*Marine and Freshwater Research*, Editor D. McGlashan, January 2005

*Fisheries Bulletin*, corresponding editor S. Shoffler, September 2004

*Marine Biology*, Editor J. Grassle, July 2004

California Sea Grant College, Research Proposal Review, Proposal Coordinator D. Dyck, July 2004

*Estuarine Coastal and Shelf Science*, Editor S. D. Sulkin, September 2006, August 2003, February 2004

*Bulletin of Marine Science*, Editor S. Sponaugle, January 2004

*Limnology and Oceanography*, Editor E. Fee, December 2003

South African National Research Foundation, Research Proposal review, July 2003

Strategic Environmental Research and Development Program, Manuscript review, June 2003

*North American Journal of Fisheries Management*, Editor L. Rudstam, January 2003

*Marine Ecology Progress Series*, Editor K. Sherman, December 2002

Rhode Island Sea Grant Proposal, Director Barry Costa-Peirce, July 2002

Maryland Sea Grant Research Proposal, Editor Fredrika Moser, April 2002, March 2006

*Transactions of the American Fisheries Society*, Associate Editor J. Buckel, October 2001, June 2005

*Estuarine, Coastal and Shelf Science*, Editor D. S. McLusky, December 2001, October 2000, April 2000

*Limnology and Oceanography*, Associate Editor M. J. Vanni, September 2001

*Scientia Marina*, Associate editor J. J. Govoni, July 2001

### **Continuing Education/Seminars/Workshops**

2006. ORION Ocean Observatories Initiative Design and Implementation Workshop.  
Salt Lake City, UT

2005. Canadian Fisheries Innovation Initiative. Halifax, Canada

2002. International Workshop on the Application of Passive Acoustics in Fisheries.  
Dedham, MA.

2002. Seminar on Geographic Information System (GIS). Jacques Cousteau National  
Estuarine Research Reserve, Tuckerton, NJ

### **Extra-curricular Interests**

Aikido (Martial Arts), Freediving/Spearfishing, Cooking