

Micheal Shawn Allen, Ph.D.

Associate Professor
Fisheries and Aquatic Sciences
Institute of Food and Agricultural Sciences
The University of Florida
7922 NW 71st St.
Gainesville, Florida 32653-3071
352-392-9617 ext. 252
msal@ufl.edu

Interests

My research program addresses fish population and community responses to changes in fishing mortality, habitat, and species interactions. I have worked on a variety of fish/fisheries issues in lake, reservoir, river, and marine environments. My approach utilizes a combination of field collections and population modeling to predict how fish populations respond to fishing regulations and variation in habitat quantity and quality. An overview of my ongoing research and teaching can be found at: <http://fishweb.ifas.ufl.edu/Allen/Allen.htm>.

Academic Background

- Ph.D. Fisheries Management and Statistics, 1996. Department of Wildlife and Fisheries Sciences, Mississippi State University. Dissertation title: Evaluating the effects of harvest regulations on crappie and angler populations.
- M.S. Fisheries Management, 1992. Department of Fisheries and Allied Aquacultures, Auburn University, Auburn, Alabama. Thesis title: Spatial and temporal heterogeneity of larval shad in a large impoundment.
- B.S. Fisheries Ecology, 1990. Department of Fisheries and Wildlife Sciences, Texas A&M University, College Station, Texas.

Professional Experience

- 2003-present. Associate Professor, Department of Fisheries and Aquatic Sciences, The University of Florida.
- 2005 (on sabbatical from UF). Invited Visiting Scientist, Queensland Department of Primary Industries, Marine Stock Assessment Group, Queensland, Australia.
- 1997-2003. Assistant Professor, Department of Fisheries and Aquatic Sciences, The University of Florida.
- 1996-1997. Visiting Assistant Professor, Department of Fisheries and Allied Aquacultures, Auburn University

Courses Taught

Fish Population Dynamics, 4 credits. Spring term of odd years since 1998, UF, FAS 6337C - A graduate-level course addressing quantitative assessment of fish populations. Course instructs students in the analysis of fish populations including growth, mortality, and recruitment parameter estimation. Statistical analyses of data are emphasized along with age-structured fish population models, catch-at-age models, and the use and misuse of these methods for fishery predictions. Modeling is used to make management recommendations using fishery data from Florida and other states in the southeastern U.S.

Ecological Statistics, 3 credits. Fall terms starting 2006, UF, ALS 5932 – A graduate level course that demonstrates common statistical methods used in ecological field studies. The course includes sections on measures of species richness, diversity, evenness. Experimental design for ecological monitoring programs is emphasized, and data analysis methods including both frequentist (e.g., regression and ANOVA), maximum likelihood, and Bayesian approaches are used. This course is team taught by faculty in Fisheries and Aquatic Sciences, Forestry, and the Statistics departments at UF.

Field Ecology of Aquatic Organisms, 4 credits. Summer term each year since 1998, UF, FAS 5276C - This course is a field-oriented split-level course that investigates the diverse aquatic habitats found in Florida. Students gain an understanding of plant and animal community structure across a range of lakes, rivers and coastal marshes. Extensive field trips are required and encompass about 3/4 of the total class time. Enrollment includes advanced undergraduates and beginning graduate students.

Management of Small Impoundments, 3 credits. Taught in 2002 and 2003, UF, FAS 6932 – This course emphasizes the management of ponds for recreational fishing. The course allows students to see many farm ponds and sample the fish and water chemistry. Management strategies are emphasized including stocking, lime and fertilizing, aquatic plant control, fish stocking practices, use of harvest restrictions, etc. This is a graduate course that can be taken by undergraduates as a Special Topics with permission.

Fishery Biology and Management, 3 credits. Split-level course taught at Auburn University in the fall of 1997 (FAA 537). This course provided students with a broad overview of legislation relevant to fisheries management, fish anatomy and physiology, fish sampling techniques, age and growth estimation, habitat management, use of harvest regulations, and the implications and effects of fish stocking for sport fish enhancement.

Graduate Students

Name	Years	Degree	Position and Current Employer
Aaron Bunch	current	MS	GRA, UF
Patrick O'Rourke	current	MS	GRA, UF
Erika Thompson	current	MS	GRA, UF (co advised with J. Austin)
Matt Catalano	current	Ph.D.	Alumni Fellow, UF
Alexia Morgan	current	Ph.D.	FL Museum of Natural History
Mark Rogers	2003-2007	Ph.D.	Post doctoral researcher, UF
Caleb Purtlebaugh	2004-2007	MS	Biologist, Florida Fish and Wildlife Conservation Commission (FWC)
Travis Tuten	2004-2007	MS	Biologist, FWC
Greg Binion	2005-2007	MS	Biologist, FWC
Jason Dotson	2005-2007	MA	Biologist, FWC
Drew Dutterer	2005-2006	MS	Biologist, UF
Nick Trippel	2004-2006	MS	Biologist, FWC
Christian Barrientos	2004-2005	MS	Ph.D. student, UF
Tim Bonvechio	2003-2005	MS	Biologist, Georgia DNR
Patrick Cooney	2003-2005	MS	Biologist, Coop Unit, NC State University
Jim Berg	2001-2004	MS	Biologist, consulting firm in CT
Kevin Dockendorf	2000-2002	MS	Biologist, North Carolina Wildlife Resources Agency
Kristin Henry	2000-2002	MS	Data Analyst, Florida FWC
Kim Bonvechio (Tugend)	1999-2001	MS	Biologist, FWC

Powell Wheeler	1999-2001	MS	Biologist, North Carolina Wildlife Resources Agency
Bill Pine	1997-1999	MS	Assistant Professor, UF

Awards Received by Students of M. Allen*

Best Student Paper, 2007 Annual Meeting, Florida Chapter of the American Fisheries Society. J. Dotson, M. S. Allen, B. Johnson, and J. Benton. Effects of commercial gillnet bycatch on black crappie abundance and angler catch at Lake Dora, Florida.

Runner up, Best Student Paper, 2007 Annual Meeting, Florida Chapter of the American Fisheries Society. L. Coggins, M. Catalano, M. Allen, W. Pine, and C. Walters. Effects of discard mortality on fisheries sustainability and performance.

Recipient, M. Catalano. 2007. Roger Rottman Memorial Scholarship Award, Presented by the Florida Chapter of the American Fisheries Society.

Recipient, M. Rogers. 2006. Skinner Award, an international student award presented by the American Fisheries Society.

Recipient, D. Dutterer. 2005. Roger Rottman Memorial Scholarship Award, Presented by the Florida Chapter of the American Fisheries Society.

Outstanding Graduate Student of the Year 2005, M. Rogers (Ph.D. winner), Department of Fisheries and Aquatic Sciences, The University of Florida.

Robert M. Jenkins Memorial Reservoir Research Scholarship, 2005. M. Rogers. Awarded by the Southern Division AFS Reservoir Committee.

Best Student Paper Award, 2004 Annual Meeting, Florida Chapter of the American Fisheries Society. P. Cooney and M. S. Allen. Effects of artificially introduced groundwater on fish assemblages in Central Florida Lakes.

Outstanding Graduate Student of the Year 2003, P. Cooney, Department of Fisheries and Aquatic Sciences, The University of Florida.

Recipient, T. Bonvechio. 2003. Roger Rottman Memorial Scholarship Award, Presented by the Florida Chapter of the American Fisheries Society.

Honorable Mention, Best Student Paper Award, 2002 Annual Meeting, Florida Chapter of the American Fisheries Society. K. Henry and M. S. Allen. 2002. Evaluation of largemouth bass exploitation and potential harvest restrictions at Rodman Reservoir, Florida.

Outstanding Graduate Student of the Year 2001, K. Dockendorf (one of two winners that year), Department of Fisheries and Aquatic Sciences, The University of Florida

Honorable Mention, K. Tugend. 2001 Skinner Award, an International Student Award presented by the American Fisheries Society.

Best Student Paper Award, 2001 Annual Meeting, Florida Chapter of the American Fisheries Society. K. Tugend and M. S. Allen. 2001. Effects of Habitat Enhancement on Plant and Fish Communities at Lake Kissimmee, Florida.

Recipient, K. Tugend. 2001 Roger Rottman Memorial Scholarship Award, Presented by the Florida Chapter of the American Fisheries Society.

Honorable Mention, P. Wheeler. 2001 Roger Rottman Memorial Scholarship Award, Presented by the Florida Chapter of the American Fisheries Society.

Honorable Mention, K. Tugend. 2000 Roger Rottman Memorial Scholarship Award, Presented by the Florida Chapter of the American Fisheries Society.

Outstanding Graduate Student of the Year 1999, W. E. Pine III (one of two winners that year), Department of Fisheries and Aquatic Sciences, The University of Florida.

Honorable Mention, Best Student Paper Award, 2000 Annual Meeting, Florida Chapter of the American Fisheries Society. A. P. Wheeler and M. S. Allen. 2000. Important Microhabitats for Shoal Bass in the Chipola River, Florida.

Best Student Paper Award, 1999 Annual Meeting, Florida Chapter of the American Fisheries Society. W. E. Pine III and M. S. Allen. 1999. Differential growth and survival of early vs. late-hatched black crappie in Lake Wauberg, Florida.

Honorable mention, W. E. Pine III. 1999 Skinner Award, an international student award presented by the American Fisheries Society.

*includes only awards received by students while under the direction of M. Allen.

Peer-Reviewed and Publications

58. Allen, M. S., R. M. Myers, and C. J. Walters. In Press. Temporal trends in largemouth bass mortality with fisheries implications. *North American Journal of Fisheries Management*.
57. Rogers, M, and M. S. Allen. In Press. Effects of altered hydrology on an ecosystem's resilience to hurricanes. *Fisheries*.
56. Dutterer, A., and M. Allen. In Press. Spotted sunfish habitat utilization at three Florida rivers with implications to minimum flows. *Transactions of the American Fisheries Society*.

55. Myers, R. M., J. B. Taylor, M. S. Allen, and T. F. Bonvechio. In Press. Temporal trends in voluntary release of largemouth bass. *North American Journal of Fisheries Management*.
54. Barrientos, C., and M. S. Allen. In Press. Differences in fish community composition and management implications after invasion of non-native hydrilla at Lake Izabal, Guatemala. *Fisheries Management and Ecology*.
53. Coggins, L. G. Jr., M. J. Catalano, M. S. Allen, W. E. Pine III, and C. J. Walters. 2007. Effects of cryptic fishing mortality on fishery sustainability and performance. *Fish and Fisheries*.
52. Johnson, K. G., M. S. Allen, and K. E. Havens, 2007. A review of littoral vegetation, fisheries, and wildlife responses to hydrologic variation at Lake Okeechobee. *Wetlands* 27:110-126.
51. Trippel, N. A., M. S. Allen, and R. S. McBride. 2007. Seasonal and historical trends of abundance and size of juvenile shad (Alosinae: *Alosa* spp.) in the St. Johns River, Florida. *Transactions of the American Fisheries Society* 136:988-993.
50. Berg, J. J., M. Allen, and K. J. Sulak. 2007. Population assessment of the Gulf of Mexico sturgeon in the Yellow River, Florida. Pages 365-379 in Munro, J., D. Hatin, J., Hightower, K. McKown, K. J. Sulak, A. Kahnle, and F. Caron, editors. *Anadromous Sturgeons: Habitats, Threats, and Management*. American Fisheries Society, Bethesda, Maryland.
49. Neumann, R., and M. S. Allen. (Invited Chapter, 2007). Size structure assessment. Analysis and interpretation of freshwater fisheries data. American Fisheries Society, Bethesda, Maryland.
48. Rogers, M., M. S. Allen, and W. Porak. 2006. Separating genetic and environmental influences on temporal hatching distributions of largemouth bass. *Canadian Journal of Fisheries and Aquatic Sciences* 63:2391-2399.
47. Catalano, M., M. Allen, and D. Murie. 2006. Effects of variable flows on water chemistry gradients and fish communities in the Hillsborough River, Florida. *North American Journal of Fisheries Management* 26:108-118.
46. Crawford, S., and M. S. Allen. 2006. Fishing and natural mortality of bluegill and redear sunfish at Lake Panasoffkee, Florida. *North American Journal of Fisheries Management* 26:42-51.
45. Cooney, P., and M. S. Allen. 2006. Effects of introduced groundwater on water chemistry and fish assemblages in central Florida Lakes. *Hydrobiologia* 556:279-224.

44. Allen, M. S. 2005. Aquatic plants and fisheries: making sense of conflicting evidence. *Aquatics* (summer edition).
43. Rogers, M., M. S. Allen, and D. Jones. 2005. Relations between river surface level and fish assemblage in the Oklawaha River, Florida. *River Research and Application* 21:501-511.
42. Myers, R. A., and M. S. Allen. 2005. Factors related to angler catch of 13-lb largemouth bass in Texas reservoirs. *Lake and Reservoir Management* 21:309-315.
41. Dockendorf, K. J., and M. S. Allen. 2005. Age-0 black crappie abundance and size in relation to zooplankton density, stock abundance, and water clarity in three Florida lakes. *Transactions of the American Fisheries Society* 132:172-183.
40. Bonvechio, T. F., and M. S. Allen. 2005. Abundance, growth and mortality of Suwannee bass in four Florida Rivers: implications for minimum size limits. *North American Journal of Fisheries Management* 25:275-283.
39. Bonvechio, T. F., and M. S. Allen. 2005. Relations between hydrologic variables and year class strength of sportfish in eight Florida waterbodies. *Hydrobiologia* 532:193-207.
38. Allen, M. S., M. Rogers, R. Myers, and M. Bivin. 2004. Simulated impacts of tournament-associated mortality on largemouth bass fisheries. *North American Journal of Fisheries Management* 24:1252-1261.
37. Tugend, K. I., M. S. Allen, and M. Binford. 2004. Potential use of remote sensing to assess effects of wave action on plant re-establishment. *Journal of Aquatic Plant Management* 42:54-60.
36. Allen, M. S., M. J. Van Den Avyle, R. L. Noble, and F. A. Harris. 2004. A 50-year history of the Southern Division American Fisheries Society. *Proceedings of the Annual Conference of Southeastern Fish and Wildlife Agencies* 56:1-16.
35. Tugend, K. I., and M. S. Allen. 2004. Changes in plant and fish communities in enhanced areas of Lake Kissimmee, Florida following a habitat enhancement. *Lake and Reservoir Management* 20:54-64.
34. Allen, M. S., K. I. Tugend, and M. J. Mann. 2003. Largemouth bass abundance and angler catch rates following a habitat enhancement project at Lake Kissimmee, Florida. *North American Journal of Fisheries Management* 23:845-855.
33. Wheeler, A. P., and M. S. Allen. 2003. Habitat and diet partitioning between shoal bass and largemouth bass in the Chipola River, Florida. *Transactions of the American Fisheries Society* 132:438-449.
32. Wheeler, A. P., and M. S. Allen. 2002. Comparison of three statistical classification procedures for classifying the presence-absence of an aquatic macrophyte from habitat observations. *Journal of Freshwater Ecology* 17:601-608.

31. Tate, W. B., M. Allen, R. Myers, and J. Estes. 2002. Comparison of electrofishing and rotenone for largemouth bass at two Florida lakes. *North American Journal of Fisheries Management* 23:181-188.
30. Tate, W. B., M. Allen, R. Myers, E. Nagid, and J. Estes. 2002. Relation of age-0 largemouth bass abundance to hydrilla coverage and water level at Lakes Lochloosa and Orange, Florida. *North American Journal of Fisheries Management* 23:251-257.
29. Allen, M. S., W. Sheaffer, W. F. Porak, and S. Crawford. 2002. Growth and mortality of largemouth bass in Florida waters: implications for use of length limits. Pages 559-566 in D. Philipp and M. Ridgeway, editors. *Black Bass: Ecology, Conservation and Management*. American Fisheries Society, Bethesda, Maryland.
28. Allen, M. S., and K. I. Tugend. 2002. Effects of habitat enhancement on largemouth bass recruitment and habitat quality at Lake Kissimmee, Florida. Pages 265-276 in D. Philipp and M. Ridgeway, editors. *Black Bass: Ecology, Conservation and Management*. American Fisheries Society, Bethesda, Maryland.
27. Tugend, K. I., M. S. Allen, and M. Webb. 2002. Use of artificial habitat structures in U. S. lakes and reservoirs: a survey from the Southern Division AFS Reservoir Committee. *Fisheries* 27(5):22-26.
26. Tate, W. B., and M. S. Allen. 2002. Simulated impacts of juvenile mortality on Gulf of Mexico sturgeon populations. *Freshwater Systems, The Scientific World* 2:270-274.
25. Tugend, K. I., and M. S. Allen. 2001. Habitat structures in lakes and reservoirs: if you build it, will they come? *Lakeline, a publication of the North American Lake Management Society* 21(3):23-25.
24. Pine, W. E. III., M. S. Allen, and V. Dreitz. 2001. Population viability of Gulf of Mexico sturgeon in the Suwannee River, Florida. *Transactions of the American Fisheries Society* 130:1164-1174.
23. Allen, M. S., and L. E. Miranda. 2001. Quasi-cycles in crappie populations are forced by interactions among population characteristics and environment. *Canadian Journal of Fisheries and Aquatic Sciences* 58:594-601.
22. Pine, W. E. III, and M. S. Allen. 2001. Differential growth and survival of weekly age-0 black crappie cohorts in a Florida Lake. *Transactions of the American Fisheries Society* 130:80-91.
21. Allen, M. S., M. V. Hoyer, and D. E. Canfield, Jr. 2000. Factors related to gizzard shad and threadfin shad occurrence and abundance in Florida lakes. *Journal of Fish Biology* 57:291-302.

20. Terrell, J. B., D. L. Watson, M. V. Hoyer, M. S. Allen, and D. E. Canfield, Jr. 2000. Temporal water quality trends (1967-1997) for a population of Florida waterbodies. *Lake and Reservoir Management* 16:177-194.
19. Miranda, L. E., and M. S. Allen. 2000. Use of length limits to reduce variability in crappie fisheries. *North American Journal of Fisheries Management* 20:672-682.
18. Allen, M. S., and W. E. Pine III. 2000. Detecting fish-population responses to a minimum length limit: effects of variable recruitment and duration of evaluation. *North American Journal of Fisheries Management* 20:672-682.
17. Brenner, M., J. M. Smoak, M. S. Allen, C. L. Schelske, and D. A. Leeper. 2000. Biological accumulation of ^{226}Ra in a groundwater-augmented Florida lake. *Limnology and Oceanography* 45:710-715.
16. Miranda, L. E., M. P. Driscoll, and M. S. Allen. 2000. Transient microhabitats allow fish survival in inhospitable plant stands. *Freshwater Biology* 44:752-758.
15. Myers, R. A., M. S. Allen, and D. Colle. 2000. Production and stocking evaluation of black crappie in a Florida lake. *North American Journal of Fisheries Management*. 20:534-537.
14. Tugend, K., and M. S. Allen. 2000. Temporal dynamics of zooplankton density and community composition in Lake Wauberg, Florida. *Florida Scientist* 63(3):142-154.
13. Allen, M. S., M. M. Hale, and W. E. Pine III. 1999. A comparison of trap nets and otter trawls for sampling black crappie in two Florida lakes. *North American Journal of Fisheries Management* 19:977-983.
12. Allen, M. S., J. C. Greene, F. R. Snow, M. J. Maceina, and D. R. DeVries. 1999. Recruitment of largemouth bass in Alabama impoundments: relations to trophic state and larval shad occurrence. *North American Journal of Fisheries Management* 19:67-77.
11. Maceina, M. J., O. Ozen, M. S. Allen, and S. M. Smith. 1998. Use of equilibrium yield models to evaluate length limits for crappie in Weiss Lake, Alabama. *North American Journal of Fisheries Management* 18:854-863.
10. Allen, M. S., M. V. Hoyer, and D. E. Canfield, Jr. 1998. Factors related to black crappie occurrence, density and growth in Florida lakes. *North American Journal of Fisheries Management* 18:864-871.
9. Allen, M. S., L. E. Miranda, and R. E. Brock. 1998. Implications of compensatory and additive mortality to the management of selected sportfish populations. *Lakes and Reservoirs: Research and Management* 3:67-79.
8. Allen, M. S., and L. E. Miranda. 1998. An age-structured model for erratic crappie fisheries. *Ecological Modelling* 107:289-303.

7. Allen, M. S., and L. E. Miranda. 1998. Linking models of constituent activity to the management process: potential for increased value of user surveys. *Human Dimensions of Wildlife* 2:1-9.
6. Allen, M. S. 1997. Effects of variable recruitment on catch-curve analysis for crappie populations. *North American Journal of Fisheries Management* 17:202-205.
5. Allen, M. S., and L. E. Miranda. 1996. A qualitative evaluation of specialization among crappie anglers. Pages 145-151 in L. E. Miranda and D. R. DeVries, editors. *Multidimensional Approaches to Reservoir Fisheries Management. Third National Reservoir Symposium*, Southern Division Reservoir Committee, American Fisheries Society Symposium 16:145-151.
4. Miranda, L. E., M. Schorr, M. Allen, and K. Meals. 1996. Description of a floating trap net for sampling crappies. *North American Journal of Fisheries Management* 16:457-460.
3. Allen, M. S., and L. E. Miranda. 1995. An evaluation of the value of harvest restrictions in managing crappie fisheries. *North American Journal of Fisheries Management* 15:766-772.
2. Allen, M. S. 1993. Guide to choosing a graduate school. *Fisheries* 18(2):30-31.
1. Allen, M. S., and D. R. DeVries. 1992. Spatial and temporal heterogeneity of larval shad in a large impoundment. *Transactions of the American Fisheries Society* 122:1070-1079.

Grant Proposals Funded

2007. Implications of climate change to warmwater fisheries in the USA. Wildlife Management Institute, Washington, DC. \$25,000 for one year.
2007. A population model to predict largemouth bass responses to lake management at the Kissimmee Chain of Lakes. South Florida Water Management District. \$45,000 for one year.
2007. Analysis of historical fisheries data at Lake Okeechobee. South Florida Water Management District. \$45,000 for one year.
2007. Simulation of sample size requirements for age and growth of fish. Florida Fish and Wildlife Conservation Commission. \$65,000 for one year. (with B. Pine, FAS)
2007. Age and growth of gizzard shad in the Harris Chain of Lakes. St. Johns River Water Management District. \$65,000 for two years.

2006. Experimental evaluation of a habitat enhancement project on wildlife and fish communities at Gant Lake, Florida. Florida Fish and Wildlife Conservation Commission. \$975,000 for seven years. (with W. Kitchens, Florida Cooperative Fish and Wildlife Research Unit)
2006. Assessment of critical aquatic plant habitats for maintaining fish diversity at Lakes Kissimmee and Istokpoga, Florida. Florida Fish and Wildlife Conservation Commission. \$124,000 for two years.
2005. Littoral zone hydroperiod influences on aquatic plant, invertebrate, and vertebrate communities. South Florida Water Management District. \$50,000 for one year. (with K. Havens)
2004. Effects of gizzard shad removal on nutrient cycling and gizzard shad population dynamics in Florida Lakes. St. John's River Water Management District, Florida Fish and Wildlife Conservation Commission, and the South Florida Water Management District. \$413,796 over three years.
2004. Important microhabitats for spotted sunfish in the Manatee, Little Manatee, and Anclote Rivers, Florida. Southwest Florida Water Management District. \$120,000 over two years.
2003. Fish community assessment in the Alafia River, Florida. Florida Fish and Wildlife Conservation Commission. \$25,000 for one year.
2002. Hatching distribution, growth, and survival of age-0 largemouth bass across a latitudinal gradient of Florida Lakes. Florida Fish and Wildlife Conservation Commission. \$167,458 over three years.
2002. Analysis of long-term fish community data for Florida Rivers. Florida Fish and Wildlife Conservation Commission. \$30,000 for one year.
2002. Fish community above and below a small dam on Etonia Creek, Florida. JEA Associates. \$59,616 over three years.
2002. Investigation of effects of variable flows on water chemistry gradients and fish communities in the Lower Hillsborough River, Florida. Southwest Florida Water Management District. \$61,137 for two years. (with D. Murie)
2001. Effects of water level fluctuations on year class strength of sport fishes in ten Florida waterbodies. Florida Fish and Wildlife Conservation Commission. \$58,000 over two years.
2001. Investigation of zooplankton abundance in three Florida Lakes. Florida Fish and Wildlife Conservation Commission. \$30,000 for one year.

2001. An evaluation of fish and invertebrate communities in Sulphur Springs, Florida. Southwest Florida Water Management District. \$64,664 over two years. (with D. Murie)
2001. Population assessment of Gulf of Mexico sturgeon in the Yellow River, Florida. U.S. Fish and Wildlife Service. \$60,000 over two years. (with K. Sulak, USGS)
2000. Assessment of fish and diatom communities in augmented Florida Lakes. Southwest Florida Water Management District. \$128,925 over two years. (with T. Whitmore, University of South Florida)
2000. Evaluation of largemouth bass exploitation and a potential harvest restriction at Rodman Reservoir, Florida. Florida Fish and Wildlife Conservation Commission. \$69,878 over two years.
2000. Radium-226 in sediments and biota of groundwater-augmented lakes. Southwest Florida Water Management District. \$122,500 over two years (with M. Brenner and T. Whitmore, UF)
2000. Investigation of black crappie recruitment in three Florida Lakes. Florida Fish and Wildlife Conservation Commission. \$23,000 for one year.
1999. Effects of water-level fluctuations on the fisheries of Lake Tarpon. Pinellas County Department of Environmental Management. \$150,000 over four years.
1999. A model to assess populations dynamics of Gulf of Mexico sturgeon in the Suwannee River, Florida. Florida Fish and Wildlife Conservation Commission. \$63,809 over three years.
1998. Important microhabitats for shoal bass in the Chipola River, Florida. Florida Fish and Wildlife Conservation Commission. \$77,553 over three years.
1998. Effects of a habitat enhancement on habitat quality and largemouth bass recruitment at Lake Kissimmee, Florida. \$118,532 over three years.
1998. Fish population investigations in three Tampa-area lakes. Southwest Florida Water Management District. \$11,875 over one year.

Popular Articles and Outreach/Extension

- Allen, M. S. 2007. Time to think about the thermocline. *B.A.S.S. Times*.
- Allen, M. S. 2007. Yep, fish can learn. *B.A.S.S. Times*.
- Allen, M. S. 2007. Thoughts on spotted bass. *B.A.S.S. Times*.
- Allen, M. S. 2007. Factors that create big bass. *B.A.S.S. Times*.
- Allen, M. S. 2006. Catchability influences both science and angling. *B.A.S.S. Times*.
- Allen, M. S. 2006. Use of regulations to manage largemouth bass populations: perspectives for anglers. Angler communication workshop, Southern Division of the American Fisheries Society Annual Meeting, San Antonio, Texas.
- Rogers, M., and M. S. Allen. 2006. Considerations for stocking largemouth bass to supplement fisheries. Missouri Department of Conservation, Table Rock Reservoir, Missouri.
- Allen, M. S. 2006. Pondering bass mortality. *B.A.S.S. Times*.
- Allen, M. S. 2006. Spawning bed controversy won't die easily. *B.A.S.S. Times*.
- Allen, M. S. 2006. Habitat enhancement: thinking big. *B.A.S.S. Times*.
- Rogers, M., and M. S. Allen. 2006. Fishing the largemouth bass spawn in Florida. *B.A.S.S. Times*.
- Allen, M. S. 2005. Status of the snapper fishery in Queensland with management recommendations. Presentation given to scientists and recreational and commercial angler groups. Gold Coast, Queensland, Australia.
- Allen, M. S. 2005. Black bass biology and management. Annual Meeting of the B.A.S.S. Conservation Directors, Bass Anglers Sportsman's Society, Orlando, Florida.
- Coauthor, document entitled "Management of Hydrilla Management in Florida: A Summary and Discussion of Issues Identified by Professionals with Future Management Recommendations". 2005. Document directed by FAS/IFAS including a workshop with over 40 representatives from state and federal conservation agencies.
- Allen, M. S. 2005 (Invited). Prey species for bass in ponds: plenty to consider. *Southern Ponds and Wildlife*.
- Allen, M. S. 2005 (Invited). Blueback blues?: pros and cons of blueback herring introductions. *B.A.S.S. Times*.

- Allen, M. S. 2005 (Invited). Bass management in ponds: consider M, G, and R. *Southern Ponds and Wildlife*.
- Allen, M. S. 2001. Managing bass fisheries with size limits: past, present, and time for change. *Honey Hole: The Trophy Bass Magazine of Texas*.
- Allen, M. S. 2000. Managing fish populations with size limits. Presentation to the Highlands County Anglers Association, Lake Placid, Florida.
- Allen, M. S. 1997. Selective harvest: a tool for management. *B.A.S.S. Times*.
- Allen, M. S. 1996. A status report: length limits for crappie. February issue, *The In-Fisherman* magazine, pp. 144-151.

Invited Seminars

- Allen, M. S. 2006. A whole lake biomanipulation experiment at the Harris Chain of Lakes, Florida. Program for Environmental Statistics, The University of Florida.
- Allen, M. S. 2006. Responses of gizzard shad populations to experimental fishing at Lake Dora, Florida. St. Johns River Water Management District, Palatka, Florida.
- Allen, M. S., W. D. Sumpton, M. O'Neill, and W. E. Pine III. 2005. Stock assessment for southern snapper in Queensland, Australia. Southern Fisheries Centre, Department of Primary Industries, Deception Bay, Queensland.
- Allen, M. S., W. D. Sumpton, M. O'Neill, and W. E. Pine III. 2005. Stock assessment for southern snapper with management implications. Scientific Advisory Group, Department of Primary Industries, Townsville, Queensland.
- Allen, M. S., W. D. Sumpton, M. O'Neill, and W. E. Pine III. 2005. Management options for the southern snapper fishery with potential impacts of discard mortality. Rocky Reef Working Group including stakeholders from recreational and commercial sectors, Department of Primary Industries, Brisbane, Queensland.
- Allen, M. S., and K. J. Dockendorf. 2004. Factors influencing black crappie recruitment in three Florida Lakes. Spring Picnic Special Guest, The Illinois Natural History Survey.
- Allen, M. S., M. Rogers, R. A. Myers, and M. V. Bivin. 2004. Simulated impacts of tournament-associated mortality on largemouth bass fisheries. Department of Wildlife Ecology and Conservation, The University of Florida.
- Allen, M. S., and K. I. Tugend. 2002. Assessing a drawdown and muck removal project at Lake Kissimmee, Florida: impacts on largemouth bass population characteristics and angler effort. Department of Zoology, North Carolina State University.

Allen, M. S., and K. I. Tugend. 2001. Effects of a habitat enhancement on habitat quality and largemouth bass recruitment at Lake Kissimmee. Department of Forestry, Fisheries, and Wildlife, Purdue University.

Presentations at Conferences

A. International and Invited (4 Total)

Allen, M. S., M. Rogers, R. Myers, and M. Bivin. 2004. Simulated impacts of tournament-associated mortality on largemouth bass fisheries. 134th Annual Meeting of the American Fisheries Society, Madison, Wisconsin.

Allen, M. S., K. I. Tugend, and M. Webb. 2002. Changes in largemouth bass recruitment to age-1 and adult abundance following a large-scale habitat enhancement. 132nd Annual Meeting of the American Fisheries Society, Baltimore, Maryland.

Tugend, K. I., M. S. Allen, and M. Binford. 2002. Factors influencing plant re-establishment following a habitat enhancement project at Lake Kissimmee, Florida. 132nd Annual Meeting of the American Fisheries Society, Baltimore, Maryland.

Allen, M. S., and W. E. Pine III. 2000. Can fishery managers detect fish-population responses to a minimum length limit? 20th Annual Meeting of the North American Lake Management Society, Miami, Florida.

B. International and Contributed (15 Total)

Rogers, M., and M. S. Allen. 2006. Cold in the Tropics?: Implications of Winter on Growth and Survival of Age-0 Largemouth Bass in Florida. American Fisheries Society Annual Meeting, Lake Placid, New York.

Rogers, M. W., and M. S. Allen. 2004. Relationships between prey to predator biomass and timing of age-0 largemouth bass diet shifts in Florida Lakes. American Fisheries Society Annual Meeting, Madison, Wisconsin.

Berg, J., M. Allen, and K. Sulak. 2003. Population dynamics of Gulf of Mexico sturgeon in the Yellow River, Florida. 133rd Annual Meeting of the American Fisheries Society, Quebec City, Quebec.

Dockendorf, K., and M. S. Allen. 2002. Effects of food availability on growth and abundance of age-0 black crappie in three Florida lakes. 132nd Annual Meeting of the American Fisheries Society, Baltimore, Maryland.

Allen, M. S., and L. E. Miranda. 2001. Quasi-cycles in crappie populations are forced by interactions among population characteristics and environment. 131st Annual Meeting of the American Fisheries Society, Phoenix, Arizona.

- Tugend, K. I., and M. S. Allen. 2001. Changes in the plant and fish communities in enhanced littoral areas of Lake Kissimmee, Florida following a major habitat enhancement. 131st Annual Meeting of the American Fisheries Society, Phoenix, Arizona.
- Wheeler, A. P., and M. S. Allen. 2001. Habitat and diet partitioning between shoal bass and largemouth bass in the Chipola River, Florida. 131st Annual Meeting of the American Fisheries Society, Phoenix, Arizona.
- Pine, W. E. III., M. S. Allen, and V. Dreitz. 2001. Population viability of Gulf of Mexico sturgeon in the Suwannee River, Florida. 131st Annual Meeting of the American Fisheries Society, Phoenix, Arizona.
- Allen, M. S. and K. I. Tugend. 2000. Effects of habitat enhancement on habitat quality and largemouth bass recruitment at Lake Kissimmee, Florida. Black Bass 2000: an International Symposium. 130th Annual Meeting of the American Fisheries Society, St. Louis, Missouri.
- W. E. Pine III. and M. S. Allen. 1999. Hatching periodicity, growth and survival of age-0 black crappie in Lake Wauberg, Florida. 129th Annual Meeting of the American Fisheries Society, Charlotte, North Carolina.
- Allen, M. S. and L. E. Miranda. 1996. Enhancing the focus of angler surveys conducted to predict response to management actions. 126th Annual Meeting of the American Fisheries Society, Dearborn, Michigan.
- Allen, M. S. and L. E. Miranda. 1995. A qualitative evaluation of specialization among crappie anglers. Third National Reservoir Symposium, Southern Division of the American Fisheries Society, Chattanooga, TN.
- Allen, M. S. and L. E. Miranda. 1995. Additive versus compensatory mortality: a review of the evidence for largemouth bass, crappies, and northern pike fisheries. 125th Annual Meeting of the American Fisheries Society, Tampa, FL.
- Allen, M. S. and L. E. Miranda. 1994. A simple model for predicting level of angler support for fishery policy. 124th Annual Meeting of the American Fisheries Society, Halifax, Nova Scotia.
- Allen, M. S. and D. R. DeVries. 1992. Variation in the temporal and spatial distribution of larval gizzard shad Dorosoma cepedianum and threadfin shad D. petenense in a southern reservoir. 122nd Annual Meeting of the American Fisheries Society, Rapid City, South Dakota.

C. Regional and Invited (15 Total)

- Rogers, M. W., and M. S. Allen. 2007. Lake Okeechobee's littoral fish community responses to hurricanes. Annual Meeting of the Florida Chapter American Fisheries Society.

- Rogers, M. W., and M. S. Allen. 2005. Largemouth bass spawning seasons in Florida: when should we stock? Florida Fish and Wildlife Conservation Commission Stocking Symposium, Brooksville.
- Allen, M. S., R. McBride, W. Porak, M. Hale, and P. Shafland. 2005. Twenty-five years of The Florida Chapter American Fisheries Society. Florida Chapter American Fisheries Society Annual Meeting, Ocala National Forest.
- Pine, W. E., and M. S. Allen. 2005. Population trends for Gulf sturgeon in the Suwannee and Appalachian Rivers, Florida. Florida Chapter American Fisheries Society Annual Meeting, Ocala National Forest.
- Henry, K., and M. Allen. 2004. Are voluntary release practices impeding the effectiveness of largemouth bass harvest restrictions? Florida Chapter American Fisheries Society Annual Meeting, Brooksville.
- Allen, M. 2003. Managing fisheries with size limits: conditions for success. Annual Meeting of the Florida Lake Management Society, Kissimmee, Florida.
- Allen, M., M. Hoyer, and D. E. Canfield, Jr. 2003. Factors related to occurrence and abundance of gizzard shad, threadfin shad, and black crappie in Florida lakes. Annual Meeting of the Florida Lake Management Society, Kissimmee.
- Bonvechio, T., and M. Allen. 2003. Effects of hydrological variables on year-class strength of sportfish in eight Florida water bodies. Annual Meeting of the Florida Lake Management Society, Kissimmee.
- Rogers, M., M. Allen, M. Hoyer, and D. Canfield, Jr. 2003. Relationships between electrofishing catch rates and harvestable sport fish densities in Florida lakes. Annual Meeting of the Florida Lake Management Society, Kissimmee.
- Henry, K., M. Allen, and E. Nagid. 2003. Does voluntary catch and release render largemouth bass harvest restrictions useless? Southern Division American Fisheries Society Annual Meeting, Wilmington, North Carolina.
- Crawford, S., and M. S. Allen. 2003. Exploitation of bluegill and redear sunfish in Lake Panasoffkee, Florida. Southern Division American Fisheries Society Annual Meeting, Wilmington, North Carolina.
- Allen, M. S., D. J. Murie, and G. L. Warren. 2002. Evaluation of fish and invertebrate communities in Sulphur Springs, Florida, following a period of water diversion. Florida Lake Management Society Annual Meeting, Naples.
- Dockendorf, K., and M. S. Allen. 2002. Effects of zooplankton availability on age-0 black crappie abundance and growth in three Florida lakes. Florida Lake Management Society Annual Meeting, Naples.

Allen, M. S., and K. I. Tugend. 2000. Effects of habitat enhancement on habitat quality at Lake Kissimmee, Florida. Florida Aquatic Plant Management Society Meeting, Cocoa Beach.

Allen, M. S., and K. I. Tugend. 2000. Effects of habitat enhancement on habitat quality and largemouth bass recruitment at Lake Kissimmee, Florida. Florida Lake Management Society Annual Meeting, Duck Key.

D. Regional and Contributed (41 Total)

Dotson, J., M. Allen, B. Johnson, and J. Benton. 2007. Effects of commercial gillnet bycatch on black crappie abundance and angler catch at Lake Dora, Florida. Florida Chapter AFS Annual Meeting, Ocala National Forest.

Allen, M., R. Myers, and M. Bivin. 2007. Simulated impacts of tournament mortality on largemouth bass fisheries. Florida Chapter AFS Annual Meeting, Ocala National Forest.

Purtlebaugh, C., and M. Allen. 2007. Year class strength, growth and survival of five fish species in the Suwannee estuary in relation to river discharge. Florida Chapter AFS Annual Meeting, Ocala National Forest.

Binion, G., M. Allen, and W. Pine. 2007. Size selectivity of an otter trawl for black crappie. Florida Chapter AFS Annual Meeting, Ocala National Forest.

Tuten, T., M. Allen, and C. Cichra. 2007. Diet composition and growth rate of black crappie in relation to benthic food availability at three Florida lakes. Florida Chapter AFS Annual Meeting, Ocala National Forest.

Barrientos, C., and M. S. Allen. 2005. Relation between fish assemblages and native and non-native aquatic plants at Lake Izabal, Guatemala. Florida Chapter AFS Annual Meeting, Ocala National Forest.

Trippel, N., M. S. Allen, and R. McBride. 2005. Abundance and potential effects of predators on seaward migrating juvenile *Alosa* spp. in the St. Johns River, Florida. Florida Chapter AFS Annual Meeting, Ocala National Forest.

Barrientos, C., and M. S. Allen. 2005. Relation between fish assemblages and native and non-native aquatic plants at Lake Izabal, Guatemala. Southern Division of the American Fisheries Society Annual Meeting, Virginia Beach, Virginia.

Trippel, N., M. S. Allen, and R. McBride. 2005. Abundance and potential effects of predators on seaward migrating juvenile *Alosa* spp. in the St. Johns River, Florida. Southern Division of the American Fisheries Society Annual Meeting, Virginia Beach, Virginia.

Rogers, M., M. S. Allen, and W. Porak. 2005. Environmental and genetic influences on temporal hatching distributions of largemouth bass. Southern Division of the American Fisheries Society Annual Meeting, Virginia Beach, Virginia.

- Cooney, P. B., and M. S. Allen. 2005. Effects of artificially introduced groundwater on fish assemblages and water chemistry in Central Florida Lakes. Southern Division of the American Fisheries Society Annual Meeting, Virginia Beach, Virginia.
- Catalano, M., M. Allen, and D. J. Murie. 2005. Effects of variable flows on water chemistry and fish communities below the Hillsborough Dam, Florida. Southern Division of the American Fisheries Society Annual Meeting, Virginia Beach, Virginia.
- Bonvechio, T. F., M. S. Allen, and R. L. Cailteux. 2004. Abundance, growth, and mortality of Suwannee bass, *Micropterus notius*, in four Florida rivers. Southern Division of the American Fisheries Society Mid-Year Meeting, Okalahoma City, Oklahoma.
- Bonvechio, T. F., and M.S. Allen. 2004. Relations between hydrological variables and year-class strength of sportfish in eight Florida waterbodies. Southern Division of the American Fisheries Society Mid-Year Meeting, Okalahoma City, Oklahoma.
- Rogers, M. W., M. S. Allen, and M. D. Jones. 2004. Relationships between river surface level and fish assemblage in the Ocklawaha River, Florida. Southern Division of the American Fisheries Society Meeting, Oklahoma City, OK.
- Rogers, M. W., M. S. Allen, and M. D. Jones. 2004. Relationships between river surface level and fish assemblage in the Ocklawaha River, Florida. Florida Chapter of the American Fisheries Society Annual Meeting, Brooksville.
- Hohausova, E., and M. Allen. 2003. Possibilities and impossibilities for fish to disperse to new locations in scrub habitat. Annual Meeting of the Florida Chapter American Fisheries Society, Brooksville.
- Bonvechio, T., M. Allen, and R. Cailteaux. 2003. Abundance, growth and mortality of Suwannee bass in three Florida rivers. Annual Meeting of the Florida Chapter American Fisheries Society, Brooksville.
- Crawford, S., and M. S. Allen. 2003. Assessing potential for harvest restrictions to improve sunfish fisheries at Lake Panasoffkee, Florida. Annual Meeting of the Florida Chapter American Fisheries Society, Brooksville.
- Dockendorf, K., and M. S. Allen. 2002. Factors influencing black crappie recruitment in Three Florida lakes. Annual Meeting of the Florida Chapter American Fisheries Society, Brooksville.
- Tate, W. B., and M. S. Allen. 2002. Relation of age-0 largemouth bass abundance to hydrilla coverage and water levels at lakes Lochloosa and Orange, Florida. Annual Meeting of the Southern Division, American Fisheries Society, Little Rock, Arkansas.
- Dockendorf, K., and M. S. Allen. 2002. Factors influencing black crappie *Pomoxis nigromaculatus* in three Florida lakes. Annual Meeting of the Southern Division, American Fisheries Society, Little Rock, Arkansas.

- Tugend, K. I., and M. S. Allen. 2002. Use of Geographic Information Systems and remote sensing to identify factors related to plant colonization. Annual Meeting of the Southern Division, American Fisheries Society, Little Rock, Arkansas.
- Henry, K., and M. S. Allen. 2002. Evaluation of largemouth bass exploitation and potential harvest restrictions at Rodman Reservoir, Florida. Annual Meeting of the Florida Chapter American Fisheries Society, Brooksville.
- Taylor, J. B., and M. S. Allen. 2001. Considering the effects of time in experimental designs of fisheries research. Annual Meeting of the Southern Division, American Fisheries Society, Jacksonville, Florida.
- Wheeler, A. P., and M. S. Allen. 2001. Habitat and diet comparison of largemouth bass and shoal bass in the Chipola River, Florida. Annual Meeting of the Southern Division, American Fisheries Society, Jacksonville, Florida.
- Tugend, K., and M. S. Allen. 2001. Plant and fish communities in enhanced littoral areas of Lake Kissimmee, Florida, following a major habitat enhancement. Annual Meeting of the Southern Division, American Fisheries Society, Jacksonville, Florida.
- Allen, M. S., and W. E. Pine III. 2000. Can fishery managers detect fish-population responses to a minimum length limit? Annual Meeting of the Florida Chapter American Fisheries Society, Brooksville.
- Wheeler, A. P., and M. S. Allen. 2000. Habitat and diet overlap of shoal bass and largemouth bass in the Chipola River, Florida. Annual Meeting of the Florida Chapter American Fisheries Society, Brooksville.
- Pine, W. E. III., and M. S. Allen. 2000. A comparison of trap nets and otter trawls for sampling black crappie in two Florida lakes. Annual Meeting of the Southern Division, American Fisheries Society, Savannah, Georgia.
- Tugend, K. I., M. S. Allen, and M. A. Webb. 2000. Abiotic habitat enhancements in U.S. lakes and reservoirs: a survey of the Southern Division Reservoir Committee. Annual Meeting of the Southern Division, American Fisheries Society, Savannah, Georgia.
- Allen, M. S., and W. E. Pine III. 2000. Detecting largemouth bass population responses to a minimum length limit: effects of variable recruitment and duration of evaluation. Annual Meeting of the Southern Division, American Fisheries Society, Savannah, Georgia.
- Pine, W. E., and M. S. Allen. 1999. Differential growth and survival of early vs. late-hatched black crappie in Lake Wauberg, FL. Annual Meeting of the Florida Chapter American Fisheries Society, Brooksville.

- Allen, M. S., J. C. Greene, F. R. Snow, M. J. Maceina, and D. R. DeVries. 1998. Effects of trophic level, larval shad abundance, and spawning times on largemouth bass recruitment in Alabama Impoundments. Southeastern Regional Meeting of the North American Lake Management Society, Orlando, Florida.
- Allen, M. S., J. C. Greene, F. R. Snow, M. J. Maceina, and D. R. DeVries. 1998. Growth and density of age-0 largemouth bass in Alabama impoundments: effects of larval shad abundance and spawning times. Annual Meeting of the Southern Division, American Fisheries Society, Lexington, Kentucky.
- Miranda, L. E., and M. S. Allen. 1997. Survival of juvenile largemouth bass in low-oxygen aquatic vegetation microhabitats. Annual Meeting of the Southern Division, American Fisheries Society, San Antonio, Texas.
- Allen, M. S., and L. E. Miranda. 1996. Variability of dissolved oxygen concentrations within *Najas* spp. microhabitats. Annual meeting of the Mid-South Aquatic Plant Management Society, Gulf Shores, AL.
- Allen, M. S., and L. E. Miranda. 1995. Compensatory versus additive mortality: a review of the evidence for black crappie, white crappie, and largemouth bass fisheries. Alabama Fisheries Association Annual Meeting, Birmingham, AL.
- Allen, M. S., and L. E. Miranda. 1994. Examining the potential for improving crappie fisheries using harvest restrictions. Mid-Year Technical Session, Southern Division of the American Fisheries Society, Little Rock, AR.
- Allen, M. S., and L. E. Miranda. 1994. An evaluation of the potential value of harvest restrictions in managing crappie fisheries. Annual Meeting of the Mississippi Chapter of the American Fisheries Society, Natchez, MS.
- Allen, M. S. and D. R. DeVries. 1992. Inshore-offshore distribution of larval shad in West Point Reservoir, AL-GA with recruitment ramifications for sport fishes. Alabama Fisheries Association Annual Meeting, Wheeler, AL.

Service to Refereed Journals

Principal Editor, 2007 to present. *Freshwater Systems* section of *The Scientific World Journal*.

Associate Editor, 2003 to present. *North American Journal of Fisheries Management*

Served as referee:

Aquatic Sciences

Canadian Journal of Fisheries and Aquatic Sciences

Conf. SE Association of Fish and Wildlife Agencies

Ecological Modelling

Ecoscience

Environmental Sciences and Policy
Fisheries
Fisheries Research
Fisheries Management and Ecology
Fishery Bulletin
Human Dimensions of Wildlife
Journal of Fish Biology
North American Journal of Fisheries Management
Transactions of the American Fisheries Society
New York Sea Grant

Professional Activities

Invited Panelist, 2007. Environmental Peer Review for the Kissimmee Basin. South Florida Water Management District.

Chair, Program Committee, Fourth International Reservoir Symposium. Hosted by the Southern Division American Fisheries Society Reservoir Committee. Symposium entitled “Balancing fisheries management with other water uses for impounded river systems”. June 7-9, 2007, Atlanta, Georgia.

Invited Panelist, 2005. Review of the Kissimmee Chain of Lakes Conceptual Ecosystem Model. South Florida Water Management District.

President, Florida Chapter of the American Fisheries Society 2004.

Chair, Program Committee, 2003 Florida Chapter of the American Fisheries Society Annual Meeting. Symposium title: “*Improving Recreational Fisheries with Bag Limits and Size Limits: Effective Management for Florida?*”.

Member, 2001-2005, Skinner Award Committee, a National Student Award presented by the American Fisheries Society.

Judge, 2001 Best Student Paper Award, Annual Meeting of the American Fisheries Society, Phoenix, Arizona.

Co-chair, Program Committee for the 2001 Southern Division American Fisheries Society Annual Meeting, Jacksonville, Florida.

Moderator, 2001 Southern Division American Fisheries Society Annual Meeting, Jacksonville, Florida. Session title: “Dam Removal Issues in the Southeast”.

Moderator, 2000 Southern Division American Fisheries Society Annual Meeting, Savannah, Georgia. Session title: “Developments in Reservoir Habitat Enhancements”.

Member, Steering Committee. Black Bass Symposium 2000. A national symposium sponsored by the American Fisheries Society, St. Louis, Missouri.

Instructor, Continuing Education Short Course, 1999 Southern Division American Fisheries Society Mid-Year Meeting, Chattanooga, Tennessee. Course title: "Uses of the Internet for Fisheries Research and Management" Attended by 50 students and professionals from around the Southeastern U.S.

Moderator, 1998 Southeastern Regional Meeting of the North American Lake Management Society, Orlando, Florida. Session title: "Southeastern Fisheries Investigations".

Moderator, 1998 Annual Meeting of the Southern Division of the American Fisheries Society, Lexington, Kentucky. Session title: "Reservoir Fisheries - Biology and Management".

Co-Chair, Program Committee, Southern Division of the American Fisheries Society (AFS) Annual Meeting 1998.

Chair, Reservoir Committee, Southern Division of the American Fisheries Society 1998-2000.

Member, Florida Chapter of the American Fisheries Society 1997- present.

Member, Fisheries Action Network Committee, AFS, 1995.

Member, Mid-South Aquatic Plant Management Society 1995 – 2000.

Member, Mississippi Chapter of AFS, 1993 – 1996.

Member, Publication Awards Committee, Transactions of the American Fisheries Society, 1993.

Member, Student Subsection of the Education Section of the AFS, 1991 - 1996.
Subsection President 1991 - 1992.

Member, Auburn University Chapter of the AFS 1990 - 1992.
Chapter President 1990 - 1991.

Member, Alabama Fisheries Association 1990 – 1997.

Member, AFS 1989 – present.
Education Section 1991 – present.
Fisheries Management Section 1992 – present.

Member, Texas A&M Chapter of the AFS 1988 – 1990.

Personal Honors

Runner Up, Best Professional Presentation 2007. Allen, M., R. Myers, and M. Bivin. Simulated impacts of tournament mortality on largemouth bass fisheries. Florida Chapter AFS Annual Meeting, Ocala National Forest.

Best Paper, 2005. Pine, W. E., and M. S. Allen. Population trends for Gulf sturgeon in the Suwannee and Apalachicola Rivers, Florida. Florida Chapter American Fisheries Society, Ocala National Forest.

Finalist, Best Paper of the Year 2000, *North American Journal of Fisheries Management*. Allen, M. S., and W. E. Pine III. Detecting fish-population responses to minimum size limits: effects of variable recruitment and duration of evaluation. Volume 20:672-682

Runner Up, Best Professional Presentation, 2000. M. S. Allen and W. E. Pine III. Can fishery managers detect fish-population responses to minimum size limits? Florida Chapter of the American Fisheries Society, Brooksville, Florida.

Outstanding Graduate Student Award, Department of Wildlife and Fisheries Sciences, Mississippi State University, 1994-1995

Honorable Mention for Best Student Paper Award, Mid-Year Technical Session, Southern Division of the American Fisheries Society, 1994

Skinner Award Recipient, American Fisheries Society, 1991

Outstanding Undergraduate Fisheries Student Award, Texas A&M University, 1990

Rick Beck Memorial Scholarship, Texas A&M University, 1990