

Curriculum vitae
Daniel E. Shoup

Department of Natural Resource Ecology &
Management
Oklahoma State University
005AB Ag Hall
Stillwater, OK 74078

Phone: 405-744-9671 (work)
E-mail: dshoup@okstate.edu

EDUCATION AND PROFESSIONAL EXPERIENCE:

Associate Professor of Fisheries Biology, Department of Natural Resource Ecology and Management, Oklahoma State University (2011 - present).

Assistant Professor of Fisheries Ecology & Management Department of Natural Resource Ecology and Management (formerly Department of Zoology), Oklahoma State University (2005 – 2011)

Visiting Assistant Professor, Department of Biological Sciences, Eastern Illinois University, **Post-Doctoral Position** (2004 – 2005).

Assistant Research Scientist, Illinois Natural History Survey, Kaskaskia Biological Station, **Post-Doctoral Position** (2001 – 2004).

Kent State University, **Ph.D.**, Biological Sciences, August, 2001.

Dissertation Title: Nutrient translocation and recycling by fish: A link between littoral and pelagic systems.

Visiting Instructor, Zoology Department, University of Oklahoma, Fall 1994-Summer 1995.

University of Oklahoma, **M.S.**, Zoology, May, 1994.

Thesis Title: Ecomorphological diet predictions: An assessment using inland silverside (*Menidia beryllina*) and longear sunfish (*Lepomis megalotis*) from Lake Texoma.

Miami University, **B.S.**, Zoology (Departmental Honors), May, 1991.

RESEARCH INTERESTS:

Sport-fish management and ecology.

Optimal foraging theory and factors influencing competitive and predator-prey interactions of fish species and their prey.

Trophic dynamics and community structure of aquatic ecosystems.

Habitat selection of fishes.

Standardized sampling of fishes.

PEER REVIEWED PUBLICATIONS (* indicates graduate student author whom I advised, † indicates undergraduate student author):

31. **Shoup, D.E.** and Lane, D.W.* 2015. Effects of turbidity on prey selection and foraging return of adult largemouth bass in reservoirs. *North American Journal of Fisheries Management*. *in press*.
30. Weber, M.J., Brown, M.L., Wahl, D.H., and **Shoup, D.E.** 2015. Metabolic theory explains latitudinal variation in common carp *Cyprinus carpio* populations and predicts responses to climate change. *Ecosphere*. *in press*.
29. Stahr, K.J.*, and **Shoup, D.E.** 2015 American water willow mediates survival and anti-predator behavior of juvenile largemouth bass. *Transactions of the American Fisheries Society*. 144:903-910.
28. Stewart D.R., Long, J.M., and **Shoup, D.E.** 2015. Spatial structuring within a reservoir fish population: implications for management. *Marine and Freshwater Research*. 66:202-212.
27. Long, J.M., Liang, Y., **Shoup, D.E.**, Dzialowski, A.R., and Bidwell, J.R. 2014. GIS-based rapid-assessment of bighead carp *Hypophthalmichthys nobilis* (Richardson, 1845) suitability in reservoirs. *Management of Biological Invasions*. 5(4)363-370.
26. **Shoup, D.E.**, Boswell, K.M., and Wahl, D.H. 2014. Diel littoral-pelagic movements by juvenile bluegills in a small lake. *Transactions of the American Fisheries Society*. 143:796-801.
25. Evans, N.T.*, **Shoup, D.E.**, and Glover, D.C. 2014. A simplified approach for estimating age-0 gizzard shad prey supply and predator demand. *Fisheries Management and Ecology*. 21:140-154.
24. Bodine, K.A., **Shoup, D.E.**, Olive, J. Ford, Z.L., Krogman, R., and Stubbs, T.J. 2013. Catfish sampling techniques: where we are now and where we should go? *Fisheries*. 38(12):529-546.
23. Schmitt, J.D.*, and **Shoup, D.E.** 2013. Delayed hooking mortality of blue catfish caught on juglines. *North American Journal of Fisheries Management*. 33:245-252.
22. Gatlin, M.R.†, **Shoup, D.E.**, and Long J.M. 2013. Invasive zebra mussels (*Dreissena polymorpha*) and Asian clams (*Corbicula fluminea*) survive gut passage of migratory fish species: implications for dispersal. *Biological Invasions*. 15:1195-1200.
21. **Shoup, D.E.**, Nannini, M.A., and Wahl, D.H. 2012. The effect of vegetation density on juvenile bluegill diet and growth. *Journal of Freshwater Ecology*. 27:199-209.
20. **Shoup, D.E.**, and Wahl, D.H. 2011. Body size, food, and temperature affect overwinter survival of age-0 bluegill. *Transactions of the American Fisheries Society*. 140:1298-1304.
19. Evans, N.T.*, **Shoup, D.E.**, and Kuklinski, K.E. 2011. Comparison of electrofishing and experimental gill nets for sampling size structure and relative abundance of blue catfish in reservoirs. Pages 599-606 in P.H. Michaletz and V.H. Travnicek, editors. *Conservation, ecology, and management of catfish: the second international symposium*. American Fisheries Society Symposium 77, Bethesda, Maryland.
18. Bodine, K.A.*, Buckmeier, D.L., Schlechte, J.W., and **Shoup, D.E.** 2011. Effect of electrofishing sampling design on bias of size-related metrics for blue catfish in Reservoirs. Pages 607-620 in P.H. Michaletz and V.H. Travnicek, editors.

- Conservation, ecology, and management of catfish: the second international symposium. American Fisheries Society Symposium 77, Bethesda, Maryland.
17. Mahasuweerachai, P., Boyer, T.A., Balsman, D.M.*, and **Shoup, D.E.** 2010. Estimating Demand for Urban Fisheries Management: an illustration of conjoint analysis as a tool for fisheries managers. *North American Journal of Fisheries Management*. 30:1339-1351.
 16. Bodine, K.A.*, and **Shoup, D.E.** 2010. Capture efficiency of blue catfish electrofishing and the effects of temperature, habitat, and reservoir location on electrofishing-derived length structure indices and relative abundance. *North American Journal of Fisheries Management*. 30:613-621.
 15. Carter, M. W.*, Dettmers, J.M., Wahl, D.H., and **Shoup, D.E.** 2010. Effects of turbidity and cover on prey selectivity of adult smallmouth bass. *Transactions of the American Fisheries Society*. 139:353-361.
 14. **Shoup, D.E.** and D.H. Wahl. 2009. The effect of turbidity on prey selection by piscivorous largemouth bass. *Transactions of the American Fisheries Society*. 138:1018-1027.
 13. **Shoup, D.E.**, and Wahl, D.H. 2009. Fish diversity and abundance in relation to interannual and lake-specific variation in abiotic characteristics of floodplain lakes of the lower Kaskaskia River, Illinois. *Transactions of the American Fisheries Society*. 138:1076-1092.
 12. Balsman, D.M.*, and **Shoup, D.E.** 2008. Opportunities for urban fishing: Developing urban fishing programs to recruit and retain urban anglers. Pages 31-40 in R.T. Eades, J.W. Neal, T.J. Lang, K.M. Hunt, and P. Pajak, editors. *Urban and community fisheries programs: development, management, and evaluation*. American Fisheries Society, Symposium 67, Bethesda, Maryland.
 11. **Shoup, D.E.**, and D.H. Wahl. 2008. The effect of largemouth bass predation on overwinter survival of two length classes of age-0 bluegill. *Transactions of the American Fisheries Society*. *Transactions of the American Fisheries Society* 137: 1063–1071.
 10. **Shoup, D.E.**, Callahan, S.P., Wahl, D.H., and Pierce, C.L. 2007. Size-specific growth of bluegill, largemouth bass and channel catfish in relation to prey availability and limnological variables. *Journal of Fish Biology* 70:21-34.
 9. Whitlock, K.G.†, **Shoup, D.E.**, Wahl, D.H., and Thomas, D.L. 2006. The Fish Communities of Oxbow Lakes in the Lower Kaskaskia River Basin from 1960 to 2003 and Their Effect on Nutrient Cycling. *Journal of Soil and Water Conservation* 61(3):212. (Published abstract).
 8. Aday, D.D., **Shoup, D.E.**, Neviackas, J.†, and Wahl, D.H. 2005. Prey Community Responses to Bluegill and Gizzard Shad Foraging: Implications for Growth of Juvenile Largemouth Bass. *Transactions of the American Fisheries Society* 134:1091-1102.
 7. Claramunt, R.M., **Shoup, D.E.**, and Wahl, D.H. 2005. Comparison of push and tow nets for sampling larval fish: Implications for assessing littoral habitat utilization. *North American Journal of Fisheries Management* 25:86-92.
 6. **Shoup, D.E.**, Carlson, R.E., and Heath, R.T. 2004. Diel activity levels of centrarchid fishes in a small Ohio lake. *Transactions of the American Fisheries Society* 133:1245-1250.

5. **Shoup, D.E.**, R.E. Carlson, and R.T. Heath. 2003. The effect of predation risk and foraging return on the diel use of vegetated habitat by two size classes of bluegill (*Lepomis macrochirus*). Transactions of the American Fisheries Society 132:590-597.
4. **Shoup, D.E.**, Carlson, R.E., Heath, R.T., and Kershner, M.W. 2003. Comparison of the catch rate, species composition and length distribution of the catch from trap nets with three different mesh and throat size combinations. North American Journal of Fisheries Management 23:462-469.
3. **Shoup, D.E.**, R.E. Carlson, and R.T. Heath. 2000. Selectivity of fish size and species composition for three trap net designs. The Ohio Journal of Science 100(1):A43. (Published abstract).
2. Heath, R.T., R. Sturtevant, **D. Shoup**, and P. Enflo. 2000. Modeling the effects of nutrient concentrations on ecosystem stability: Framework for a Great Lakes model. in: Great Lakes Modeling Summit: Focus on Lake Erie, L. Tulen, and J. dePinto, Eds., published by Int. Joint Commission, Windsor, ONT., ISBN 1-894280-17-2. pp 37 - 50.
1. **Shoup, D. E.**, and L.G. Hill. 1997. Ecomorphological diet predictions: an assessment using inland silverside (*Menidia beryllina*) and longear sunfish (*Lepomis megalotis*) from Lake Texoma. Hydrobiologia 350:87-98.

TECHNICAL REPORTS AND NON-PEER REVIEWED MANUSCRIPTS (* indicates graduate student author):

21. **Shoup, D.E.**, and Schmitt, J.D.* 2012. Post-hooking mortality of blue catfish caught by jug fishing. Oklahoma Department of Wildlife Conservation Project Progress Report, Federal Aid Project F-82-R Final Report.
20. Long, J.M, **Shoup, D.E.**, Dzialowski, A.R., and Liang, Y. 2011. Assessing risk of invasion of Oklahoma reservoirs by bighead carp and zebra mussels. Oklahoma Department of Wildlife Conservation Project Progress Report, Aquatic Nuisance Species Taskforce, project N-2-R-1 Final Report.
19. **Shoup, D.E.**, and Schmitt, J.D.* 2011. Post-hooking mortality of blue catfish caught by jug fishing. Oklahoma Department of Wildlife Conservation Project Progress Report, Federal Aid Project F-82-R Annual Report.
18. Long, J.M, **Shoup, D.E.**, Dzialowski, A.R., and Liang, Y. 2011. Assessing risk of invasion of Oklahoma reservoirs by bighead carp and zebra mussels. Oklahoma Department of Wildlife Conservation Project Progress Report, Aquatic Nuisance Species Taskforce, project N-2-R-1 Annual Report.
17. **Shoup, D.E.**, and Schmitt, J.D.* 2010. Post-hooking mortality of blue catfish caught by jug fishing. Oklahoma Department of Wildlife Conservation Project Progress Report, Federal Aid Project F-82-R Annual Report.
16. **Shoup, D.E.**, and Balsman, D.M.* 2009. Relationship between fish stocks and angler attitudes in Oklahoma Close-To-Home-Fishing-Program. Oklahoma Department of Wildlife Conservation Project Progress Report, Federal Aid Project F-73-R Final Report.
15. **Shoup, D.E.** and Bodine, K.A.* 2009. Seasonal and Habitat-Specific Length Bias of Electrofishing for Blue Catfish. Oklahoma Department of Wildlife Conservation Project Progress Report, Federal Aid Project F-74-R Final Report.
14. **Shoup, D.E.**, and Balsman, D.M.* 2008. Relationship between fish stocks and angler attitudes in Oklahoma Close-To-Home-Fishing-Program. Oklahoma Department of

Wildlife Conservation Project Progress Report, Federal Aid Project F-73-R Annual Report.

13. **Shoup, D.E.** and Bodine, K.A.* 2008. Seasonal and Habitat-Specific Length Bias of Electrofishing for Blue Catfish. Oklahoma Department of Wildlife Conservation Project Progress Report, Federal Aid Project F-74-R Annual Report.
12. Balsman, D.M.*, and **Shoup, D.E.** 2008. An Assessment of Oklahoma's Urban Fishing Program. NREM newsletter, winter issue.
11. **Shoup, D.E.**, and Balsman, D.M.* 2007. Relationship between fish stocks and angler attitudes in Oklahoma Close-To-Home-Fishing-Program. Oklahoma Department of Wildlife Conservation Project Progress Report, Federal Aid Project F-73-R Annual Report.
10. **Shoup, D.E.** and Bodine, K.A.* 2007. Seasonal and Habitat-Specific Length Bias of Electrofishing for Blue Catfish. Oklahoma Department of Wildlife Conservation Project Progress Report, Federal Aid Project F-74-R Annual Report.
9. Bodine, K.A.* and **Shoup, D.E.** 2007. Size-specific sampling of blue catfish by electrofishing. NREM newsletter, summer issue.
8. Fisher, W.L., **Shoup, D.E.**, and Beem, M. 2007. Fisheries at OSU. NREM newsletter, summer issue.
7. Claramunt, R.M., **Shoup, D.E.**, and Wahl, D.H. 2004. Comparison of push and tow nets for sampling larval fish with implications for assessing littoral habitat utilization. Stages: Newsletter of the Early Life History Section of the American Fisheries Society 25(3):2.
6. **Shoup, D.E.**, and Wahl, D.H. 2003. Evaluation of fish population diversity and reproduction in floodplain lakes of the lower Kaskaskia River, Illinois. Final Report, Conservation 2000 Ecosystem Project, Illinois Department of Natural Resources.
5. **Shoup, D.E.**, and Wahl, D.H. 2002. Lower Kaskaskia River floodplain lake fish nurseries. Conservation 2000 Ecosystem Project Progress Report, Illinois Department of Natural Resources.
4. Aday, D.D., Claussen, J.E., Hoxmeier, J.H., **Shoup, D.E.**, Wahl, D.H., and Philipp, D.P. 2001. Quality management of bluegill: Factors affecting population size structure. Illinois Department of Natural Resources, Division of Fisheries. Federal Aid Project F-128-R.
3. **Shoup, D.E.** 2001. Nutrient translocation and recycling by fish: A link between littoral and pelagic systems. Ph.D. Dissertation, Kent State University, Kent, OH.
2. **Shoup, D.E.** 1994. Ecomorphological diet predictions: An assessment using inland silverside (*Menidia beryllina*) and longear sunfish (*Lepomis megalotis*) from Lake Texoma. M.S. Thesis, University of Oklahoma, Norman, OK.
1. **Shoup, D.E.** 1991. The influence of food type, test length, sample size, and toxicity index on the results of the standard *Ceriodaphnia dubia* toxicity test. Undergraduate Honors Thesis, Miami University, Oxford, OH.

ORAL PRESENTATIONS (* indicates graduate student author, † indicates undergraduate student):

Meeting presentations:

64. Broderius*, C.R., Stahr*, K.J., and **Shoup, D.E.** 2015. Increasing juvenile largemouth bass recruitment with vegetation: effects on survival and foraging return. 145th Annual Meeting of the American Fisheries Society, Portland, OR.

63. **Shoup, D.E.**, Evans*, N.T., and Glover, D.C. 2015. A new tool for evaluating predator-prey balance in southern U.S. reservoirs. 145th Annual Meeting of the American Fisheries Society, Portland, OR.
62. Broderius*, C.R., Stahr*, K.J., and **Shoup, D.E.** 2015. Increasing juvenile largemouth bass recruitment with vegetation: effects on survival and foraging return. 24th Annual Oklahoma Clean Lakes and Watersheds Association Conference, Stillwater, OK.
61. Broderius*, C.R., Stahr*, K.J., and **Shoup, D.E.** 2015. The effects of aquatic vegetation on survival and foraging return of juvenile largemouth bass. 2015 Oklahoma Natural Resources Conference, Joint meeting of the Oklahoma Chapter of the American Fisheries Society and the Oklahoma Chapter of The Wildlife Society, Tulsa, OK.
60. **Shoup, D.E.**, Evans*, N.T., and Glover, D.C. 2015. A new tool for evaluating prey sufficiency in southern U.S. reservoirs. 23rd Annual Spring Meeting of the Southern Division of the American Fisheries Society, Savannah, GA.
59. Broderius*, C.R., Stahr*, K.J., and **Shoup, D.E.** 2015. The effects of aquatic vegetation on survival and foraging return of juvenile largemouth bass. 23rd Annual Spring Meeting of the Southern Division of the American Fisheries Society, Savannah, GA.
58. Stahr, K.J.*, and **Shoup, D.E.** 2014. The role of American water willow in mediating juvenile largemouth bass survival and anti-predator behavior. 23rd Annual Oklahoma Clean Lakes and Watersheds Association Conference, Stillwater, OK.
57. Hallgren, S.W., Zou, C.B., and **Shoup, D.E.** 2014. Water quality and quantity risks of high-severity fire for drinking water reservoirs. 23rd Annual Oklahoma Clean Lakes and Watersheds Association Conference, Stillwater, OK.
56. Stahr, K.J.*, and **Shoup, D.E.** 2014. The effects of vegetation on foraging efficiency and predator avoidance of juvenile largemouth bass. 2014 Joint Meeting of the Oklahoma & Texas Chapters of the American Fisheries Society, Pottsboro, TX.
55. Stahr, K.J.*, and **Shoup, D.E.** 2014. Effects of aquatic macrophytes on the foraging ability and predation risk of juvenile largemouth bass. 22nd Annual Spring Meeting of the Southern Division of the American Fisheries Society, Charleston, SC.
54. **Shoup, D.E.**, Balsman, D.M.*, and Summers, G.L. 2013. Demographics, Behaviors, and Preferences of Urban Fishing Program Users and State-Wide Anglers Living in Urban and Rural Environments. 67th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. Oklahoma City, Oklahoma.
53. **Shoup, D.E.**, Lane, W.D.*, and Wahl, D.H. 2013. Effects of turbidity on the feeding ecology of adult largemouth bass. 143rd Annual Meeting of the American Fisheries Society, Little Rock, AR.
52. Stahr, K.J.* and D.E. Shoup. 2013. The role of aquatic macrophytes in mediating predation risk of juvenile largemouth bass. 143rd Annual Meeting of the American Fisheries Society, Little Rock, AR.
51. **Shoup, D.E.**, Lane, W.D.*, and Wahl, D.H. 2013. Prey selection and foraging return of piscivorous largemouth bass at increased turbidity levels. 22nd Annual Oklahoma Clean Lakes and Watersheds Association Conference, Stillwater, OK.

50. Long, J.M., **Shoup, D.E.**, Liang, Y., Dzialowski, A.R., and Bidwell, J.R. 2013. Geospatial assessment of invasive bighead carp establishment in Oklahoma reservoirs. 22nd Annual Oklahoma Clean Lakes and Watersheds Association Conference, Stillwater, OK.
49. Duck, J.L.†, Stewart, D.R., **Shoup, D.E.** and Long, J.M. 2012. White crappie population characteristics from Lake McMurtry: “a tale of two sides”. 33rd Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Stillwater, OK.
48. Stahr, K.J.* and D.E. Shoup. 2012. The Efficacy of Water Willow to Reduce Juvenile Largemouth Bass Predation: Preliminary Observations. 33rd Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Stillwater, OK.
47. Copeland, N.J.*, and **Shoup, D.E.** 2012. The Effects of age-0 Gizzard Shad Abundance on Piscivore Abundance and Condition in Southern Reservoirs. 66th Annual Conference of the Southeastern Association of Fish and Wildlife Agencies, Hot Springs, AR.
46. Ryswyk, R.G.*, and **Shoup, D.E.** 2012. Gillnet contact selectivity and correction factors for the AFS standard gillnet design. 142nd Annual Meeting of the American Fisheries Society, Minneapolis-St. Paul, MN.
45. **Shoup, D.E.**, Bodine, K.A., Krogman, R.M., Ford, Z., Stubbs, T.J., and Olive, J. 2012. A Review of ictalurid sampling methods: do we need a catfish-specific standardized sampling protocol? 142nd Annual Meeting of the American Fisheries Society, Minneapolis-St. Paul, MN.
44. Ryswyk, R.G.*, and **Shoup, D.E.** 2012. Oklahoma Department of Wildlife Conservation standardized gill net sampling: comparison of old and new standardized nets. 32nd Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Stillwater, OK.
43. Schmitt, J.D.*, and **Shoup, D.E.** 2012. Post-hooking mortality of blue catfish caught by jugfishing. 32nd Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Stillwater, OK.
42. Ryswyk, R.G.*, and **Shoup, D.E.** 2012. Correcting for length bias of common warmwater sport fish sampled with standardized experimental gill nets. 20th Annual Spring Meeting of the Southern Division of the American Fisheries Society, Biloxi, MS.
41. Schmitt, J.D.*, and **Shoup, D.E.** 2011. Post hooking mortality of blue catfish caught by jugfishing. 141st Annual Meeting of the American Fisheries Society, Seattle, WA.
40. Gatlin, M.R.†, **Shoup, D.E.**, and Long, J.M.. 2011. Blue catfish (*Ictalurus furcatus*) gut passage as a vector for the dispersal of invasive bivalves. Annual meeting of the Southeastern Fishes Council, Chattanooga, TN.
39. Ryswyk, R.G.*, and **Shoup, D.E.** 2011. Correcting for length bias of common warmwater sport fish sampled with standardized experimental gill nets. 31st Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Wagnor, OK.
38. Copeland, N.J.*, and **Shoup, D.E.** 2011. The effects of age-0 gizzard shad abundance on piscivore abundance and condition in southern reservoirs. 31st Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Wagnor, OK.
37. Gatlin, M.R. †, and **Shoup, D.E.** 2011. Blue catfish (*Ictalurus furcatus*) gut passage as a vector for the dispersal of invasive bivalves. 31st Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Wagnor, OK.

36. Schmitt, J.D.*, and **Shoup, D.E.** 2011. Post Hooking Mortality of Blue Catfish Caught by Jugfishing. 31st Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Wagnor, OK.
35. Ryswyk, R.G.*, and **Shoup, D.E.** 2011. Correcting for length bias of common warmwater sport fish sampled with standardized experimental gill nets. 19th Annual Spring Meeting of the Southern Division of the American Fisheries Society, Tampa, FL.
34. Copeland, N.J.*, and **Shoup, D.E.** 2011. The effects of age-0 gizzard shad abundance on piscivore abundance and condition in southern reservoirs. 19th Annual Spring Meeting of the Southern Division of the American Fisheries Society, Tampa, FL.
33. Evans, N.T.*, and **Shoup, D.E.** 2010 Age-0 gizzard shad prey supply and predator demand: Analysis of the trophic support capacity of southern U.S. reservoirs. American Fisheries Society 140th Annual Meeting, Pittsburgh, PA.
32. Bodine, K. A.*, Buckmeier, D. L., Schlechte, J. W., and Shoup, D. E. 2010 Bias of size-related metrics for blue catfish in reservoirs and implications for sampling. Catfish 2010 Conservation, Ecology, and Management of Catfish: The 2nd International Catfish Symposium, St. Louis, MO.
31. Evans, N. T.*, Shoup, D. E., and Kuklinski, K. E. 2010 Comparison of electrofishing and experimental gill nets for sampling size structure and relative abundance of blue catfish in reservoirs. Catfish 2010 Conservation, Ecology, and Management of Catfish: The 2nd International Catfish Symposium, St. Louis, MO.
30. **Shoup, D.E.** 2010. Fisheries Research at Oklahoma State University. Bollenbach Chair Advisory Board Meeting, Stillwater, OK
29. Lane, W.D.*, and **Shoup, D.E.** 2010. Effects of turbidity on prey selection and foraging return of piscivorous largemouth bass. Oklahoma State University Research Symposium, Stillwater, OK.
28. Lane, W.D.*, and **Shoup, D.E.** 2010. Effects of turbidity on prey selection and foraging return of piscivorous largemouth bass. American Fisheries Society Arkansas and Oklahoma Joint Chapter meeting, Fort Smith, AR.
27. **Shoup, D.E.**, and Evans, N.T.* 2010. Age-0 gizzard shad prey supply and predator demand: analysis of the trophic support capacity of southern U.S. reservoirs. American Fisheries Society Arkansas and Oklahoma Joint Chapter meeting, Fort Smith, AR. (Won best paper award at the meeting)
26. Lane, W.D.*, and **Shoup, D.E.** 2009. Effects of turbidity on prey selection and foraging return of piscivorous largemouth bass. American Fisheries Society 139th Annual Meeting, Nashville, TN.
25. Lane, W.D.*, and **Shoup, D.E.** 2009. The Effects of Turbidity on Largemouth Bass Diets. Oklahoma State University Research Symposium, Stillwater, OK.
24. Balsman, D.M.*, and **Shoup, D.E.** 2009. Angler attitudes, harvest rates, and channel catfish population sizes at Close-to-Home Fishing Program ponds. 29th Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Ardmore, OK.
23. Bodine, K.A.*, and **Shoup, D.E.** 2009. Catch Efficiency and Length Bias Associated with Electrofishing for Blue Catfish. 29th Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Ardmore, OK.

22. Lane, W.D.*, and **Shoup, D.E.** 2009. Effects of Turbidity on Prey Consumption of Adult Largemouth Bass. 29th Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Ardmore, OK.
21. Balsman, D.M.*, and **Shoup, D.E.** 2009. Angler attitudes, harvest rates, and channel catfish population sizes at Close-to-Home Fishing Program ponds. 17th Annual Spring Meeting of the Southern Division of the American Fisheries Society, New Orleans, LA.
20. Bodine, K.A.*, and **Shoup, D.E.** 2008. Catch efficiency and length bias of electrofishing for blue catfish. 16th Annual Spring Meeting of the Southern Division of the American Fisheries Society, New Orleans, LA.
19. Balsman, D.M.*, and **Shoup, D.E.** 2008. Angler attitudes, harvest rates, and channel catfish population sizes at Close-to-Home Fishing Program ponds. 28th Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Oklahoma City, OK.
18. Bodine, K.A.*, and **Shoup, D.E.** 2008. Seasonal and habitat-specific length bias of electrofishing for blue catfish. Oklahoma American Fisheries Society 28th Annual Meeting, Oklahoma City, OK.
17. Bodine, K.A.*, and **Shoup, D.E.** 2008. Seasonal and habitat-specific catch rate and length bias of electrofishing for blue catfish. Annual Spring Meeting of the Southern Division of the American Fisheries Society, Wheeling, WV.
16. Balsman, D.M.*, and **Shoup, D.E.** 2007. Angler attitudes, harvest rates, and channel catfish population sizes at Close-to Home-Fishing-Program ponds. 96th Annual Technical Meeting of the Oklahoma Academy of Science, Tulsa OK.
15. Carter, M.W.*, Dettmers, J.M., Wahl, D.H., and **Shoup, D.E.** 2007. The effects of turbidity and cover on prey selection of smallmouth bass. American Fisheries Society 137th Annual Meeting, San Francisco, CA.
14. Bodine, K.A.*, and **Shoup, D.E.** 2007. Seasonal and habitat-specific length bias of electrofishing for blue catfish. American Fisheries Society 137th Annual Meeting, San Francisco, CA.
13. Balsman, D.M.*, and **Shoup, D.E.** 2007. Angler attitudes, harvest rates, and channel catfish population sizes at Close-to Home-Fishing-Program ponds. 27th Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Jenks, OK.
12. Bodine, K.A.*, and **Shoup, D.E.** 2007. Seasonal and habitat-specific length bias of electrofishing for blue catfish. 27th Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Jenks, OK.
11. Balsman, D.M.*, and **Shoup, D.E.** 2006. Angler attitudes, harvest rates, and channel catfish population sizes at Close-to Home-Fishing-Program ponds. Oklahoma Academy of Science 95th Annual Technical Meeting, Claramore, OK.
10. Bodine, K.A.*, and **Shoup, D.E.** 2006. Seasonal and habitat-specific length bias of electrofishing for blue catfish. Oklahoma Academy of Science 95th Annual Technical Meeting, Claramore, OK.
9. Aday, D.D., **Shoup, D.E.**, Neviackas, J., and Wahl, D.H. 2006. Prey Community Responses to Bluegill and Gizzard Shad Foraging: Implications for Growth of Juvenile Largemouth Bass. American Fisheries Society 136th Annual Meeting, Lake Placid, NY.

8. **Shoup, D.E.**, and Wahl, D.H. 2006. Turbidity-Induced Changes in Prey Selection by Largemouth Bass. 26th Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Ardmore, OK.
7. **Shoup, D.E.**, and Wahl, D.H. 2003. Overwinter Survival of Early- and Late-Spawed Age-0 Bluegill: The Effects of Temperature and Food Availability. 64th Midwest Fish and Wildlife Conference, Kansas City, MO.
6. **Shoup, D.E.**, and Wahl, D.H. 2003. Effect of temperature, food availability, and winter severity on overwinter survival of two size classes of age-0 bluegill. American Fisheries Society 133rd Annual Meeting, Quebec City, Quebec, Canada.
5. **Shoup, D.E.**, R.E. Carlson, R.T. Heath, and M.W. Kershner. 2003. Comparison of the species composition and length distribution of the catch from trap nets with three different mesh and throat size combinations. 41st Annual Meeting of the Illinois Chapter of the American Fisheries Society, Rend Lake, IL.
4. **Shoup, D.E.**, Claramunt, R.M., and Wahl, D.H. 2002. Comparison of ichthyoplankton and zooplankton communities among littoral and pelagic habitats. American Fisheries Society 132nd Annual Meeting, Baltimore, MD.
3. **Shoup, D.E.**, R.E. Carlson, and R.T. Heath. 2001. Diurnal Habitat Use by Bluegill Sunfish Under Different Predation Risk and Foraging Return Conditions. 62rd Midwest Fish and Wildlife Conference, Des Moines, IA.
2. **Shoup, D.E.**, R.E. Carlson, and R.T. Heath. 2000. Diurnal activity patterns of centrarchids along a deep weed edge. 61st Midwest Fish and Wildlife Conference, Minneapolis, MN.
1. **Shoup, D.E.**, R.E. Carlson, and R.T. Heath. 2000. Selectivity of fish size and species composition for three trap net designs. 109th Annual Meeting of The Ohio Academy of Science, Ada, OH.

Invited presentations:

10. Marie Prchalova, Petr Blabolil, Wayne Hubert, Jan Kubecka, Mika Kurkilahti, Nigel P. Lester, Mikko Olin, **Daniel Shoup** and Marek Smejkal. Advances in Gillnetting on Both Sides of Atlantic. 145th Annual Meeting of the American Fisheries Society, Portland, OR.
9. Ryswyk, R.G.*, and **Shoup, D.E.** 2012. Gillnet contact selectivity and correction factors for the AFS standard gillnet design. Standardized Sampling Symposium, 142nd Annual Meeting of the American Fisheries Society, Minneapolis-St. Paul, MN.
8. **Shoup, D.E.**, Bodine, K.A., Krogman, R.M., Ford, Z., Stubbs, T.J., and Olive, J. 2012. A Review of ictalurid sampling methods: do we need a catfish-specific standardized sampling protocol? Standardized Sampling Symposium, 142nd Annual Meeting of the American Fisheries Society, Minneapolis-St. Paul, MN.
7. Gatlin, M.R.†, **Shoup, D.E.**, and Long, J.M.. 2010. Blue catfish (*Ictalurus furcatus*) gut passage as a vector for the dispersal of invasive bivalves. 100th Meridian Initiative's South/Central River Basins Team Meeting, Lake Texoma, TX.

6. Balsman, D.M*, and **Shoup, D.E.** 2007. Opportunities for Urban Fishing. Invited presentation to the Urban Fishing Symposium, American Fisheries Society 137th Annual Meeting, San Francisco, CA.
5. **Shoup, D.E.** 2005. Predator-induced diel habitat selection by bluegill: implications for freshwater nutrient dynamics. Department of Biological Sciences, University of Alabama.
4. **Shoup, D.E.** 2004. The effects of diel habitat selection by bluegill on system nutrient dynamics. U.S. Geological Survey, Great Lakes Science Center, Lake Erie Biological Station.
3. **Shoup, D.E.** 2004. The effects of diel habitat selection by bluegill on system nutrient dynamics. Western Illinois University, Department of Biological Sciences, Macomb, Illinois.
2. **Shoup, D.E.** 2003. Diel habitat selection by bluegill and the potential for littoral-pelagic nutrient translocation. Montclair State University, Department of Biology and Molecular Biology, Upper Montclair, NJ.
1. **Shoup, D.E.** 2001. The effect of predation risk and foraging return on the diurnal use of vegetation by bluegill sunfish (*Lepomis macrochirus*). University of Pittsburgh, Pymatuning Laboratory of Ecology, Linesville, Pennsylvania.

POSTER PRESENTATIONS (* indicates graduate student, † indicates undergraduate student):

14. Sara, G., and Shoup, D.E. 2014. Functional traits, mechanistic bioenergetics and microclimatic downscaling of marine ectotherms. Workshop Heteroclim: the response of organisms to climate change in heterogenous environments, Loches, France.
13. Stahr, K.J.*, Pennell, A. †, and **Shoup, D.E.** 2014. Differences in epiphytic macroinvertebrate communities between two aquatic macrophyte species: Implications for juvenile largemouth bass. 23rd Annual Oklahoma Clean Lakes and Watersheds Association Conference, Stillwater, OK.
12. Pennell, A.†, Stahr, K.J.*, and **Shoup, D.E.** 2013. Food availability for juvenile largemouth bass in stands of American water willow, *Justicia americana*, and southern naiad, *Najas guadalupensis*. 10th Annual Oklahoma State University Biochemistry and Molecular Biology Graduate Student Association Research Symposium, Stillwater, OK.
11. Weber, M.J., Brown, M.L., Wahl, D.H., and **Shoup, D.E.** 2012. Latitudinal variation in common carp populations indicate potential responses to climate change. 142nd Annual Meeting of the American Fisheries Society, Minneapolis, MN.
10. Weber, M.J., Brown, M.L., Wahl, D.H., and **Shoup, D.E.** 2012. Latitudinal variation in common carp populations indicate potential responses to climate change. Dakota Chapter of the American Fisheries Society Annual Meeting, Chamberlain, SD.
9. Gatlin, M.R.†, **Shoup, D.E.**, and Long, J.M.. 2011. Blue catfish (*Ictalurus furcatus*) gut passage as a vector for the dispersal of invasive bivalves. 18th Annual Wentz Scholar Research Day, Oklahoma State University, Stillwater, OK.
8. Gatlin, M.R.†, **Shoup, D.E.** and Long, J.M. 2010. Blue catfish (*Ictalurus furcatus*) gut passage as a vector for the dispersal of invasive bivalves. American Fisheries Society 140th Annual Meeting, Pittsburgh, PA.

7. Gatlin, M.R.†, **Shoup, D.E.** and Long, J.M. 2010. Blue catfish (*Ictalurus furcatus*) gut passage as a vector for the dispersal of invasive bivalves. Catfish 2010 Conservation, Ecology, and Management of Catfish: The 2nd International Catfish Symposium, St. Louis, MO.
6. Gatlin, M.R.†, **Shoup, D.E.** and Long, J.M. 2010. Blue catfish (*Ictalurus furcatus*) gut passage as a vector for the dispersal of invasive zebra mussels (*Dreissena polymorpha*). Species Introductions & Re-introductions: Opportunities & Challenges (Joint Symposium of the American Fisheries Society and The Wildlife Society), Starkville, MS.
5. Gatlin, M.R.†, **Shoup, D.E.** and Long, J.M. 2010. Blue catfish (*Ictalurus furcatus*) gut passage as a vector for the dispersal of invasive zebra mussels (*Dreissena polymorpha*). Southeastern Fishes Council Annual Meeting, Chattanooga, TN.
4. Whitlock, K.G.†, **Shoup, D.E.**, Wahl, D.H., and Thomas, D.L. 2006. The fish communities of oxbow lakes in the lower Kaskaskia River basin from 1960 to 2003 and their effect on nutrient cycling. Soil and Water Conservation Society Resource Conservation and Environmental Management International Conference, Keystone, CO.
3. Bostrom, B.S.*, Fischer, R.U., **Shoup, D.E.**, and Pederson, C.L. 2005. The effectiveness of artificial riffles as an aquatic habitat restoration technique. 66th Annual Midwest Fish and Wildlife Conference, Grand Rapids, MI.
2. Fincel, M.J.*, Fischer, R.U., Pederson, C.L., and **Shoup, D.E.** 2005. A six-year study on fish community change in a highly disturbed Illinois stream. 66th Annual Midwest Fish and Wildlife Conference, Grand Rapids, MI.
1. Whitlock, K.G.†, **Shoup, D.E.**, and Thomas, D.L. 2005. The fish communities of oxbow lakes in the lower Kaskaskia River basin from 1960 to 2003 and their effect on nutrient cycling. 3rd Annual National Great Rivers Research and Education Center Summer Symposium, Godfrey, IL

RESEARCH GRANTS:

- 2015 – 2017 Incorporating an approach to aid river and reservoir fisheries in an altered landscape. Gulf Coast Prairie Landscape Conservation Cooperative, U.S. Geological Survey. \$101,771 (2.5 years)
- 2015 – 2018 Accuracy of clupeid population data collected by hydroacoustics. Federal Aid in Sport-Fish Restoration program, U.S. Fish and Wildlife Service (administered

- through the Oklahoma Department of Wildlife Conservation [ODWC]).
\$364,376 (3 years).
- 2015 – 2020 Enhancing Piscivore production in reservoirs through improved sampling methods and piscivore management techniques. U.S. Department of Agriculture HATCH project. \$126,302 (5 years).
- 2014 – 2018 A general status assessment of blue suckers in Oklahoma rivers. State Wildlife Grants Program, U.S. Fish and Wildlife Service (administered through the ODWC). \$214,878 (4 years).
- 2013 Effects of macrophyte growth form on invertebrate community composition in a small lake. CASNR/OAES Undergraduate Research Scholar Program \$903 (1 year).
- 2012 – 2013 Lake Carl Blackwell aquaculture pond renovation. (PI: Owens, M.K., I was Co-Investigator with Long, J.M., Beam, M.D., Vogel, J.R., Storm, D.E., Dzialowski, A.R., and Fox, S.F.) OSU Core Facility Support Grant, \$129,000 (1 year).
- 2010 – 2015 Improving sportfish management in southern reservoirs. U.S. Department of Agriculture HATCH project. \$246,500 (5 years).
- 2010 – 2012 Post-hooking mortality of blue catfish caught by jug fishing. Federal Aid in Sport-Fish Restoration program, U.S. Fish and Wildlife Service (administered through the ODWC), \$137,920 (3 years).
- 2010 – 2011 Assessing risk of invasion of Oklahoma reservoirs by bighead carp and zebra mussels. (Co-Investigator with Long, J.M [P.I.], Bidwell, J.R., and Dzialowski A.R.) Aquatic Nuisance Species Task Force, U.S. Fish and Wildlife Service. \$44,791 (1 year).
- 2009 – 2012 Gill net sampling: an evaluation of Oklahoma’s standard sampling procedures. (Co-PI with R.G. Ryswyk). Federal Aid in Sport-Fish Restoration program, U.S. Fish and Wildlife Service (administered through the ODWC), \$156,007 (3 years).
- 2006-2011 Coordination and report of research efforts related to fisheries, rangeland, and wildlife resources in Natural Resource Ecology and Management. (Co-PI with M.K. Owens, C.A. Davis, T.J. O’Connell, J.H. Shaw, and L.G. Talent). U.S. Department of Agriculture HATCH project. \$96,000 (4 years).
- 2006-2009 Seasonal and habitat-specific length bias of electrofishing for blue catfish. Federal Aid in Sport-Fish Restoration program, U.S. Fish and Wildlife Service (administered through the ODWC), \$201,200 (3 years).
- 2006-2009 Relationship between fish stock and angler success and attitudes in Oklahoma close-to-home fishing program lakes. Federal Aid in Sport-Fish Restoration program, U.S. Fish and Wildlife Service (administered through the ODWC), \$211,800 (3 years).

RESEARCH HONORS AND AWARDS:

Best Professional Presentation, Oklahoma /Arkansas Joint Chapter Meeting of the American Fisheries Society, Fort Smith, AR, 2010.

Awarded Competitive University Research Fellowship, Kent State University, Spring 2001.

STUDENTS ADVISED:

Graduate Students:

John Diattilo – M.S. Candidate. Thesis topic: Effects of hydrology on fish production in river and reservoir habitats.

Garrett Johnson – M.S. candidate. Thesis topic: Accuracy of hydroacoustic estimates of Gizzard Shad in reservoirs.

Chance Broderius – M.S. candidate. Thesis topic: Effect of vegetation on the timing of piscivory in juvenile largemouth bass.

Nathan Copeland – M.S. candidate. Thesis topic: Relationships between age-0 gizzard shad abundance and piscivore condition and growth in reservoir systems.

Kristopher Stahr – M.S. 2014. Thesis topic: Efficacy of water willow to recruitment of young-of-year largemouth bass.

Ryan Ryswyk – M.S. 2013. Thesis topic: Size selectivity of gillnets for pelagic reservoir fishes.

Candice Miller – Ph.D. terminated pre-candidacy 2012. Dissertation topic: Factors regulating population quality in flathead catfish.

Joseph Schmitt – M.S. 2012. Thesis topic: Delayed mortality of blue catfish captured by jug fishing.

Drew Lane – M.S. 2010. Thesis topic: The effects of turbidity and cover on prey selection in largemouth bass.

Nathan Evans – M.S. 2009. Thesis topic: Predator demand and potential competition for gizzard shad in Oklahoma reservoir systems.

Dane Balsman – M.S. 2009. Thesis topic: Human dimensions of urban fisheries.

Kristopher Bodine – M.S. 2009. Thesis topic: Sampling bias of electrofishing for blue catfish.

Mark Carter – M.S. 2008 (University of Illinois). Thesis topic: Effect of turbidity on prey selection in smallmouth bass.

Bethany Bostrom – M.S. 2008 (Eastern Illinois University). Thesis topic: Effects of riffle remediation on stream biota in Illinois streams.

Mark Fincel – M.S. 2006 (Eastern Illinois University). Thesis topic: Flow-related changes in fish communities below a municipal reservoir dam.

Undergraduate students:

Alex Pennell 2012 – 2014. Independent study: Differences in invertebrate biomass and species assemblage of water willow (*Justicia americana*) and sago pondweed (*Potamogeton pectinatus*).

Jeremy Duck 2010 – 2012. Independent study: Population dynamics and spatial separation of white crappie size classes in Lake McMurtry.

Michael Gatlin 2009 – 2011. Independent study: Can zebra mussels survive gut passage through blue catfish. Undergraduate independent research project.

John English 2009. Assisted with data collection for study investigating effects of turbidity on largemouth bass foraging, and for a study investigating the effect of gizzard shad abundance on piscivores in reservoirs.

Matthew Wade 2008-09. Assisted with data collection on several projects (human dimensions of urban fishing, effects of turbidity on largemouth bass foraging, and effect of gizzard shad abundance on piscivores in reservoirs).

Peter J. Einsig 2007-08. Assisted with data collection for study management and human dimensions of urban fishing.

F. Zachary Brown 2007. Assisted with data collection for several studies investigating blue catfish sampling, ecology, and management and human dimensions of urban fishing.

Chase A. Ehlo 2007. Assisted with data collection for study of fish habitat use in streams.

Brandon K. Pedigo 2007. Assisted with data collection for several studies investigating blue catfish sampling, ecology, and management and human dimensions of urban fishing.

Trevor R. Watts 2007. Assisted with data collection for several studies investigating blue catfish sampling, ecology, and management and human dimensions of urban fishing.

Justin Zweifel 2006. Assisted with data collection for Blue catfish sampling methods study.

Lauren Macnider 2005 (Eastern Illinois University). Analyzed hydroacoustic data set to assess onshore-offshore movements of juvenile bluegill.

Staci Luce 2005 (Eastern Illinois University). Conducted experiment to determine the nitrogen and phosphorus excretion by bluegill after eating different types of prey.

Kim Whitlock 2005-06 (University of Illinois). Analyzed water samples from an experiment designed to determine the nitrogen and phosphorus excretion by bluegill after eating different types of prey.

Graduate Student Committees on which I served:

Joey Dyer, Ph.D. candidate (Shannon K. Brewer, major advisor)

Josh Johnston, M.S. candidate (Shannon K. Brewer, major advisor)

Jarrod Powers, M.S. candidate (Shannon K. Brewer, major advisor)

Richard Snow, M.S. 2014 (James M. Long, major advisor)

Evan Cartabiano, M.S. 2014 (James M. Long, major advisor)

Chris Musselman, M.S. 2014 (Shannon K. Brewer, major advisor)

Roslyn Ratliff, M.S. 2014 (International Ag Program)

Randy Stewart, Ph.D. 2013 (James M. Long, major advisor).

Ashley Nealis, M.S. 2013 (James M. Long, major advisor).

Jennifer Carter, M.S. 2013 (International Ag Program)
Mike Porta, M.S. 2011 (James M. Long, major advisor).
Jonathan Fisher Ph.D. 2010 (Jason B. Beldon, major advisor).
Kari Fallert, Ph.D. 2010 (Jason B. Belden, major advisor).
Hankins, Amie, M.S. 2010 (Joseph R. Bidwell, major advisor).
Chas Patterson, M.S. 2009 (William L. Fisher, major advisor).
Jared Lorensen, M.S. 2009 (William L. Fisher, major advisor).
Eric Brinkman M.S. 2008 (William L. Fisher, major advisor).
Haruko Koike M.S. 2007 (Anthony A. Echelle and Ronald A. Van Den Bussche, major advisors).

RESEARCH EXPERIENCE:

Associate Professor (2011 – present), Assistant Professor (2005 – 2011), Department of Natural Resource Ecology and Management (2006 – present, Department of Zoology 2005-2006), Oklahoma State University.

Visiting Assistant Professor, Department of Biological Sciences, Eastern Illinois University September 2004 – 2005. Co-advised (With Robert U. Fischer and Charles L. Pederson) 2 graduate students.

Assistant Research Scientist (post-doctoral position), Kaskaskia Biological Station, Center for Aquatic Ecology, Illinois Natural History Survey September 2001 – August 2004. Supervised 5-9 technicians and interns; assist with graduate student mentoring; coordinate field sampling schedules; assist with administration of Kaskaskia and Ridge Lake Biological Stations; developed and conducted new research projects.

Project Assistant, Kent State University, Summer 1995-Summer 1996.

Analyzed water samples for total phosphorus, and performed data entry, data analysis, and field collection of samples for project investigating the retention effectiveness of sedimentation basins.

TEACHING EXPERIENCE:

Associate Professor (2011 – present), Assistant Professor (2005 – 2011), Department of Zoology (2005-2006) and Department of Natural Resource Ecology and Management (2006 – present), Oklahoma State University.

Quantitative methods in Fisheries Science (NREM 5030) lecture.

Fisheries Science (NREM 5433) lecture.

Design of Ecological Experiments (NREM 5020).

Fisheries Techniques (NREM 4424/5424) lecture and laboratory.

Fisheries Management (NREM 4414) lecture and laboratory

Population Ecology (NREM 5523) lecture and laboratory.

Introductory Biology (BIOL 1114) lecture.

Visiting Assistant Professor, Department of Biological Sciences, Eastern Illinois University, 2004-2005.

General Biology lecture and lab (majors course),
Environmental Life Sciences lecture (combined majors and non-majors course).
Co-advised (with Robert U. Fischer and Charles L. Pederson) 2 M.S. graduate students.

Visiting Instructor, Zoology Department, University of Oklahoma, Fall 1994-Summer 1995.

Assisted in the development and implementation of new curriculum, supervised Teaching Assistants and handled preparatory responsibilities for Introductory Zoology Laboratory, assisted with the laboratory and lecture for Concepts in Biology, and taught Human Physiology and Introductory Zoology Laboratories.

Guest Lecturer, Department of Biological Sciences, Kent State University. Presented lectures in Principles of Biology I (Spring 1998 and 2001), General Ecology (Fall 1997 - 2000) and Principles of Biology II (Spring 2000).

Teaching Associate, Zoology Department, University of Oklahoma, 1992-1993 and Summer 1994.

Designed and implemented new curriculum for Introductory Zoology Laboratory (Summer 1994), supervised Teaching Assistants for Introductory Zoology Laboratory.

Laboratory Coordinator, Department of Biological Sciences, Kent State University Fall 1997- Fall 2000

Supervised teaching assistants and coordinated laboratory sections for General Ecology Laboratory (Fall semesters 1997 - 2000) and Principles of Biology I Laboratory (Spring 1997, 1998 & 2000).

Teaching Assistant:

Kent State University, 1996-2001.

General Ecology Laboratory (Fall 1996-2000)

Vertebrate Biology Laboratory (Spring 1998-2000)

Principles of Biology I Laboratory (Fall 1996, spring 1997 & 1998)

Principles of Biology II Laboratory, Honors section (Spring 2000)

Analysis of Biological Data I (Spring 1998 & 1999).

University of Oklahoma Biological Field Station, Summer 1994.

Stream Ecology (undergraduate/graduate level course)

University of Oklahoma, 1991- 1994.

Introductory Zoology Laboratory

Human Physiology Laboratory

TEACHING AWARDS:

Awarded the James Thompson Award for Teaching Excellence for the 1992-1993 academic year, University of Oklahoma.

PROFESSIONAL SERVICE:

National American Fisheries Society Excellence in Fisheries Education Award
Committee Member 2012-2015.

President, Oklahoma Chapter of the American Fisheries Society 2012.

Southern Division of the American Fisheries Society, Catfish Technical Committee
Webmaster 2010 - present

Continuing education committee chair, Oklahoma Chapter of the American Fisheries
Society 2008 – present.

Awards committee, Oklahoma Chapter of the American Fisheries Society 2008 –
present.

Undergraduate curriculum committee, Department of Natural Resource Ecology and
Management 2006 – present. Committee chair 2014 – present.

Faculty Advisor, OSU Bass Angling Club 2006 – present.

Faculty Advisor, OSU Student Subunit of the American Fisheries Society 2005 – present.

CASNR Student Technology Fee Committee 2013 – 2014.

University Technology Service Fee Committee 2013 – 2014.

Membership committee, OSU chapter of Sigma Xi 2012 – 2015.

Referee/reviewer:

North American Journal of Fisheries Management, 2004-present.

Transactions of the American Fisheries Society, 2002-present.

Journal of Fish Biology, 2007-present.

Proceedings of the Southeastern Association of Fish and Wildlife Agencies, 2010-
present.

Fisheries Management and Ecology, 2012-present.

Copeia, 2011

Catfish 2010: Conservation, Ecology, & Management of Worldwide Catfish
Populations & Habitats (2 chapters)

Chapter review for Small Impoundment Management in North America 2010.

International Review of Hydrobiology 2009.

Urban Fishing Symposium Proceedings, Special Publication of the American
Fisheries Society 2007 (4 chapters).

Fisheries Research 2006

Zoology Graduate Student Society Research Grant Competition, 2006.

Centrarchid Fisheries. *In* Centrarchid fishes: diversity, biology, & exploitation 2005.

North American Journal of Aquaculture, 2004.

Canadian Journal of Fisheries and Aquatic Sciences, 2003.

Joint Texas-Oklahoma Chapter of the American Fisheries Society Spring Meeting 2014 –
Judge, student presentations.

Oklahoma Chapter of the American Fisheries Society Spring Meeting 2009 – Judge, student presentations.

Ecohydrology Faculty Search Committee (ad hoc), Department of Natural Resource Ecology & Management, Fall 2007 – Spring 2008.

Judge, graduate student presentations at the 19th Annual OSU Research Symposium, February 2008.

Moderator Fish and Wildlife Conservation Session, 96th Annual Fall Technical Meeting, Oklahoma Academy of Science 2007.

Annual Fall Technical Meeting, Oklahoma Academy of Science—Judge, student presentations 2007.

Meeting Director, Oklahoma Academy of Science Fall Technical Meeting 2007.

Panelist representing academic professionals for Student Career Forum, 27th Annual Meeting of the Oklahoma Chapter of the American Fisheries Society, Jenks, OK 2007.

Chair, Fish & Wildlife Conservation Section, Oklahoma Academy of Science 2006-07.

Southern Division of the American Fisheries Society Spring Meeting 2007, 2009 – Judge, student presentations.

OSU Natural Resources Department Planning Committee 2005-2006 including chairing subcommittee 1 (mission and vision; and affiliations) and participating in subcommittee 2 (RTP, space, staff, and critical issues).

Moderator Fish and Wildlife Conservation Session, 95th Annual Fall Technical Meeting, Oklahoma Academy of Science 2006.

Annual Fall Technical Meeting, Oklahoma Academy of Science—Judge, student presentations 2006.

Vice Chair, Fish & Wildlife Conservation Section, Oklahoma Academy of Science 2005-06.

Southern Division of the American Fisheries Society Spring Meeting 2006 – Judge, student presentations.

IL Chapter, American Fisheries Society Annual Meeting 2005 – Judge, student presentations.

Chair, Membership Committee, Illinois Chapter, American Fisheries Society 2004-2005.

American Fisheries Society Annual Meeting – Judge, student presentations 2002, 2003.

President, Graduate Biology Council (elected position), Kent State University, 1998-99.

Graduate Studies Committee, Dept. Biological Sciences, Kent State University, 1998-99.

Evolutionary Ecologists Faculty Search Committee, Kent State University, Spring 1998.

Teaching mini-class for University of Oklahoma Pre-Collegiate Programs, Fall 1994.

Computer Facilities Committee, Zoology Department, University of Oklahoma, 1993-94.

Steering Committee (elected position), Zoological Association of Graduate Students, 1992-93.

Undergraduate Studies Committee, Zoology Department, University of Oklahoma, 1991-92.

PROFESSIONAL SOCIETIES:

American Fisheries Society

- *Parent Society*
 - *Excellence in Fisheries Education Award Committee member*
- *Fish Management Section*
- *Education Section*
- *Southern Division Reservoir Technical Committee*
- *Southern Division Catfish Technical Committee (Web master for committee)*
- *Oklahoma Chapter (Awards Committee member; Continuing Education Committee chair)*
- *Faculty Advisor, OSU Student Subunit*

Sigma Xi (membership committee, OSU chapter)

Oklahoma Academy of Science

Gamma Sigma Delta Honor Society