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EDUCATION

Doctor of Philosophy in Fisheries (Minor: Statistics), November 2001

University of Minnesota, St. Paul, Minnesota

Dissertation: *Effects of trout and sculpins on benthic macroinvertebrates, periphyton, and leaf litter decay in Valley Creek, Minnesota*

Master of Science in Forest Resources (Fisheries option), June 1997

University of Georgia, Athens, Georgia

Thesis: *Swimming performance of larval and juvenile robust redhorse: implication for recruitment in the Oconee River, Georgia*

Bachelor of Science in Biology (Minor: Chemistry), December 1994

Lake Superior State University, Sault Ste. Marie, Michigan

PROFESSIONAL EXPERIENCE

Associate Professor, Annis Water Resources Institute (AWRI), Grand Valley State University (GVSU), Muskegon, Michigan 8/09-present

Assistant Research Scientist and Assistant Professor, AWRI, GVSU, Muskegon, Michigan, 11/02-8/09

Post-doctoral Research Fellow, Department of Biological Sciences, Florida International University, Miami, Florida, 11/01-11/02

PEER-REVIEWED JOURNAL PUBLICATIONS

(Mentored Students: †=undergraduate, §=graduate)

- 1) Bhagat, Y., and **C.R. Ruetz III**. In press. Temporal and fine-scale spatial variation in fish assemblage structure in a drowned river mouth system of Lake Michigan. *Transactions of the American Fisheries Society*.
- 2) Parkos, J.J., III, **C.R. Ruetz III**, and J.C. Trexler. In press. Refuge use and community dynamics in a landscape experiencing variable patterns of disturbance. *Oikos*.
- 3) LaRue[†], E.A., **C.R. Ruetz III**, M.B. Stacey[†], and R.A. Thum. 2011. Population genetic structure of the round goby in Lake Michigan: implications for dispersal of invasive species. *Hydrobiologia* 663:71-82.
- 4) Steinman, A.D., M. Ogdahl, **C.R. Ruetz III**. 2011. An environmental assessment of a small shallow lake (Little Black Lake, MI) threatened by urbanization. *Environmental Monitoring and Assessment* 173:193-209.
- 5) Nelson[§], K.M., **C.R. Ruetz III**, and D.G. Uzarski. 2009. Colonisation by *Dreissena* of Great Lakes coastal ecosystems: how suitable are wetlands? *Freshwater Biology* 54:2290-2299.
- 6) Cooper, M.J., **C.R. Ruetz III**, D.G. Uzarski, and B.M. Shafer[†]. 2009. Habitat use and diets of round gobies in coastal areas of Lakes Michigan and Huron. *Journal of Freshwater Ecology* 24:477-488.

- 7) **Ruetz, C.R., III**, D.L. Strouse[§], and S.A. Pothoven. 2009. Energy density of introduced round goby compared with four native fishes in a Lake Michigan tributary. *Transactions of the American Fisheries Society* 138:938-947.
- 8) Parker, A.D., D.G. Uzarski, **C.R. Ruetz III**, and T.M. Burton. 2009. Diets of yellow perch (*Perca flavescens*) in wetland habitats of Saginaw Bay, Lake Huron. *Journal of Freshwater Ecology* 24:347-354.
- 9) Breen[§], M.J., **C.R. Ruetz III**, K.J. Thompson, and S.L. Kohler. 2009. Movements of mottled sculpins in a Michigan stream: how restricted are they? *Canadian Journal of Fisheries and Aquatic Sciences* 66:31-41.
- 10) Steinman, A.D., M. Ogdahl, R. Rediske, **C.R. Ruetz III**, B.A. Biddanda, and L. Nemeth. 2008. Current status and trends of Muskegon Lake, Michigan. *Journal of Great Lakes Research* 34:169-188.
- 11) Cookingham[†], M.G., and **C.R. Ruetz III**. 2008. Evaluating passive integrated transponder tags for tracking movement of round gobies. *Ecology of Freshwater Fish* 17:303-311.
- 12) **Ruetz, C.R., III**, D.G. Uzarski, D.M. Krueger, and E.S. Rutherford. 2007. Sampling a littoral fish assemblage: comparing small-mesh fyke netting and boat electrofishing. *North American Journal of Fisheries Management* 27:825-831.
- 13) Cooper, M.J., **C.R. Ruetz III**, D.G. Uzarski, and T.M. Burton. 2007. Distribution of round gobies in coastal areas of Lake Michigan: Are wetlands resistant to invasion? *Journal of Great Lakes Research* 33:303-313.
- 14) **Ruetz, C.R., III**, B.M. Earl, and S.L. Kohler. 2006. Evaluating passive integrated transponder tags for marking mottled sculpins: effects on growth and mortality. *Transactions of the American Fisheries Society* 135:1456-1461.
- 15) **Ruetz, C.R., III**, M.J. Breen[†], and D.L. VanHaitsma[§]. 2006. Habitat structure and fish predation: effects on invertebrate colonisation and breakdown of stream leaf packs. *Freshwater Biology* 51:797-806.
- 16) Breen[†], M.J., and **C.R. Ruetz III**. 2006. Gear bias in fyke netting: evaluating soak time, fish density, and predators. *North American Journal of Fisheries Management* 26:32-41.
- 17) **Ruetz, C.R., III**, J.C. Trexler, F. Jordan, W.F. Loftus, and S.A. Perry. 2005. Population dynamics of wetland fishes: spatio-temporal patterns synchronized by hydrological disturbance? *Journal of Animal Ecology* 74:322-332.
- 18) Chick, J.H., **C.R. Ruetz III**, and J.C. Trexler. 2004. Spatial scale and abundance patterns of large fish communities in freshwater marshes of the Florida Everglades. *Wetlands* 24:652-664.
- 19) **Ruetz, C.R., III**, B. Vondracek, and R.M. Newman. 2004. Weak top-down control of grazers and periphyton by slimy sculpins in a coldwater stream. *Journal of the North American Benthological Society* 23:271-286.
- 20) **Ruetz, C.R., III**, and D.W. Stephens. 2003. Site selection under differential predation risks by drifting prey in streams. *Oikos* 102:85-94.
- 21) **Ruetz, C.R., III**, A.L. Hurford[†], and B. Vondracek. 2003. Interspecific interactions between brown trout and slimy sculpin in stream enclosures. *Transactions of the American Fisheries Society* 132:611-618.
- 22) **Ruetz, C.R., III**, R.M. Newman, and B. Vondracek. 2002. Top-down control in a detritus-based food web: fish, shredders, and leaf breakdown. *Oecologia* 132:307-315.
- 23) **Ruetz, C.R., III**, and C.A. Jennings. 2000. Swimming performance of larval robust redbreast *Moxostoma robustum* and low-velocity habitat modeling in the Oconee River, Georgia. *Transactions of the American Fisheries Society* 129:398-407.

- 24) **Ruetz, C.R., III**, and C.A. Jennings. 1999. Instantaneous growth and mortality of alevin channel catfish *Ictalurus punctatus* (Siluriformes: Ictaluridae) in the Oconee River, Georgia. Southeastern Fishes Council Proceedings 39:1-6.
- 25) **Ruetz, C.R., III**, and C.A. Jennings. 1997. Efficacy of a vacuum benthos sampler for collecting demersal fish eggs from gravel substratum. Ecology of Freshwater Fish 6:241-244.

PEER-REVIEWED BOOK CHAPTERS

- 26) **Ruetz, C.R., III**. In press. Poster and oral presentations at professional meetings. *In Scientific Communication for Natural Resource Professionals*. C.A. Jennings, T.E. Lauer, and B. Vondracek, editors. American Fisheries Society, Bethesda, Maryland.

OTHER PUBLICATIONS

- 27) Overton, A.S., T.R. Reinert, and **C.R. Ruetz III**. 2000. Keeping the communication lines open between you and your graduate committee. Fisheries 25(10):41-43.

MANUSCRIPTS IN PROGRESS^a

(Mentored Students: [†]=undergraduate, [§]=graduate)

- 28) Johnson, K.A., A.D. Steinman, W.D. Keiper[§], and **C.R. Ruetz III**. Accepted pending revision. Biotic responses to low concentration urban road runoff. Journal of the North American Benthological Society.
- 29) MacDonald, N.W., D.W. Mays, R.R. Rediske, and **C.R. Ruetz III**. In revision. Environmental variation, fish community composition, and brown trout survival in Pigeon River, Ottawa County, Michigan. Michigan Academician.
- 30) Parker, A.P., M.J. Cooper, **C.R. Ruetz III**, D.P. Coulter, and D.G. Uzarski. In review. Distribution of yellow perch in Great Lakes coastal wetlands: patterns within and among wetland types. Journal of Wetland Ecology and Management.
- 31) **Ruetz, C.R., III**, and M.J. Breen[§]. In review. Intraspecific variation in litter quality: importance of leaf size in red maple. Fundamental and Applied Limnology.
- 32) **Ruetz, C.R., III**, M.R. Reneski[†], and D.G. Uzarski. In prep. Round goby predation on *Dreissena* in coastal areas of Lake Michigan: evidence of spatial heterogeneity? (Target: Journal of Freshwater Ecology)
- 33) Altenritter[§], M.E.L., **C.R. Ruetz III**, and K.M. Smith. In prep. Juvenile lake sturgeon (*Acipenser fulvescens*) movement and habitat use in Muskegon Lake, Michigan. (Target: Transactions of the American Fisheries Society)
- 34) Murry, B.A., K. Kapuscinski, M.J. Cooper, D. Coulter, D.F. Clapp, T. Paoli, **C.R. Ruetz III**, J.M. Farrell, and D.G. Uzarski. In prep. Increasing prevalence of the non-indigenous round goby in coastal wetlands of the Laurentian Great Lakes: implications to native fish refugia. (Target: Journal of Great Lakes Research)

^a *In Revision* means the manuscript was submitted to a peer-reviewed journal and the editor has asked that the paper be revised based on referee comments and re-submitted to the same journal. *In review* means the manuscript is under consideration by a peer-reviewed journal (i.e., in the review process). *In prep* means that a draft manuscript was produced and it is undergoing further editing and revision before it is submitted to a peer-reviewed journal for consideration.

SCIENTIFIC PRESENTATIONS (Mentored Students: †=undergraduate, §=graduate)Conferences & Meetings^b:

- 1) Allison[§], J.R., **C.R. Ruetz III**, E.S. Rutherford, J. Elliott, and J. Nohner. 2011. Factors limiting walleye reproduction in the Muskegon River. Oral presentation at the Annual Meeting of the American Fisheries Society (AFS), Petoskey, Michigan. April 6-7.
- 2) Comben, J.N., **C.R. Ruetz III**, K.M. Smith, E. Binoniemi-Smith, and W.D. Keiper. 2011. Abundance and habitat use of juvenile lake sturgeon in two Lake Michigan tributaries. Oral presentation at the Annual Meeting of the AFS, Petoskey, Michigan. April 6-7.
- 3) Wieten[§], A., M.E. Altenritter[§], **C.R. Ruetz III**, and K.M. Smith. 2011. Age and growth of lake sturgeon in the Muskegon River system. Oral presentation at the Annual Meeting of the AFS, Petoskey, Michigan. April 6-7.
- 4) Homola[§], J.J., **C.R. Ruetz III**, M.J. Breen[§], and S.L. Kohler. 2011. Apparent seasonal survival of a disease-infected population of mottled sculpin in a Michigan stream. Poster presentation at the Annual Meeting of the AFS, Petoskey, Michigan. April 6-7.
- 5) Koster[†], A., Y. Bhagat, and **C.R. Ruetz III**. 2011. Round goby density and diet at pierheads and adjacent drowned river mouth lakes of Lake Michigan. Poster presentation at the Annual Meeting of the AFS, Petoskey, Michigan. April 6-7.
- 6) Koster[†], A., Y. Bhagat, and **C.R. Ruetz III**. 2010. Diet of round gobies in coastal areas of Lake Michigan. Poster presentation at the 71st Midwest Fish and Wildlife Conference (MFWC), Minneapolis, Minnesota. December 12-15.
- 7) Comben, J.N., **C.R. Ruetz III**, K.M. Smith, E. Binoniemi-Smith, and W.D. Keiper. 2010. Abundance and habitat use of juvenile lake sturgeon in two Lake Michigan tributaries. Oral presentation at the 71st MFWC, Minneapolis, Minnesota. December 12-15.
- 8) **Ruetz, C.R., III**. 2010. Population status & juvenile ecology of lake sturgeon in Lake Michigan tributaries. *Invited* oral presentation at Ottawa County's Fifth Annual Water Quality Forum, West Olive, Michigan. November 1.
- 9) **Ruetz, C.R., III**. 2010. Current research projects. *Invited* oral presentation at the Biologists Conference, Michigan Department of Natural Resources and Environment, Fisheries Division, Traverse City, Michigan. October 6.
- 10) **Ruetz, C.R., III**. 2010. Population status and juvenile ecology of lake sturgeon in the Muskegon River system. *Invited* oral presentation at the Muskegon River Watershed Assembly Meeting, Muskegon, Michigan. September 30.
- 11) Allison[§], J.R., **C.R. Ruetz III**, and E.S. Rutherford. 2010. Factors limiting walleye reproduction in a Lake Michigan tributary. Oral presentation at the 140th Annual Meeting of the AFS, Pittsburgh, Pennsylvania. September 12-16.
- 12) Altenritter[§], M.E., **C.R. Ruetz III**, and K.M. Smith. 2010. Movement and habitat use of juvenile lake sturgeon (*Acipenser fulvescens*) in a Lake Michigan tributary. Oral presentation at the 140th Annual Meeting of the AFS, Pittsburgh, Pennsylvania. September 12-16.
- 13) Bhagat, Y., and **C.R. Ruetz III**. 2010. Spatio-temporal distribution patterns and relationships with environmental variables in a Michigan coastal lake. Oral presentation at the 140th Annual Meeting of the AFS, Pittsburgh, Pennsylvania. September 12-16.

^b Abbreviations for Conferences: AFS = American Fisheries Society, ESA = Ecological Society of America, IAGLR = International Association of Great Lakes Research, MFWC = Midwest Fish and Wildlife Conference, NABS = North American Benthological Society

- 14) Rutherford, E.S., J.R. Allison[§], **C.R. Ruetz III**, J. Elliot, J. Nohner, S. Upton, and R. O'Neal. 2010. Early life dynamics of walleyes (*Sander vitreus*) in a Great Lakes tributary. Poster presentation at the 140th Annual Meeting of the AFS, Pittsburgh, Pennsylvania. September 12-16.
- 15) **Ruetz, C.R., III**. 2010. Asian carp. *Invited* oral presentation at the West Michigan Regional Meeting of the Michigan Environmental Council, Holland, Michigan. July 27.
- 16) **Ruetz, C.R., III**, and M.J. Breen[§]. 2010. Intraspecific variation in leaf litter quality: importance of leaf size. Oral presentation at the Joint Meeting of the American Society of Limnology and Oceanography and the North American Benthological Society (NABS), Santa Fe, New Mexico. June 6-11.
- 17) **Ruetz, C.R., III**, M.R. Reneski[†], and D.G. Uzarski. 2010. Round goby predation on *Dreissena* in drowned river mouth lakes: evidence for spatial heterogeneity? *Invited* oral presentation at the 53rd Annual Meeting of the International Association for Great Lakes Research (IAGLR), Toronto, Ontario. May 17-21.
- 18) Bhagat, Y., and **C.R. Ruetz III**. 2010. Assessing patterns of spatial and temporal variation of fish assemblages in a drowned river mouth (DRM) system of Lake Michigan. Oral presentation at the 53rd Annual Meeting of the IAGLR, Toronto, Ontario. May 17-21.
- 19) Allison[§], J., **C.R. Ruetz III**, and E. Rutherford. 2010. Assessment of walleye reproduction in the Muskegon River. Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, Grayling, Michigan. February 24-25.
- 20) Altenritter[§], M., **C.R. Ruetz III**, and K. Smith. 2010. Reproductive status and juvenile ecology of lake sturgeon in the Muskegon River. Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, Grayling, Michigan. February 24-25.
- 21) Bhagat, Y., and **C.R. Ruetz III**. 2010. Fish community composition and environmental influences over a 7-year time scale in Muskegon Lake. Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, Grayling, Michigan. February 24-25.
- 22) Keiper[§], W.D., and **C.R. Ruetz III**. 2010. Stormwater runoff in an urban stream: impacts on central mudminnows. Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, Grayling, Michigan. February 24-25.
- 23) LaRue[†], E., **C.R. Ruetz III**, and R.A. Thum. 2010. Population structure of the invasive round goby in Lake Michigan. Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, Grayling, Michigan. February 24-25.
- 24) Prichard[†], C., **C.R. Ruetz III**, and J.N. McNair. 2010. A dynamic programming model of patch selection by stream invertebrates. Poster presentation at the Annual Meeting of the Michigan Chapter of the AFS, Grayling, Michigan. February 24-25.
- 25) Altenritter[§], M.E., **C.R. Ruetz III**, and K.M. Smith. 2009. Reproductive status and juvenile ecology of lake sturgeon in the Muskegon River. Oral presentation at the 70th MFWC, Springfield, Illinois. December 6-9.
- 26) Keiper[§], W.D., and **C.R. Ruetz III**. 2009. Stormwater runoff in an urban stream: impacts on central mudminnows. Oral presentation at the 70th MFWC, Springfield, Illinois. December 6-9.
- 27) Allison[§], J., **C.R. Ruetz III**, E. Rutherford. 2009. Factors limiting walleye recruitment and success in the Muskegon River. Oral presentation at the 70th MFWC, Springfield, Illinois. December 6-9.

- 28) LaRue[†], E.A., R.A. Thum, and **C.R. Ruetz III**. 2009. Population structure of the invasive round goby in Lake Michigan. Oral presentation at the 70th MFWC, Springfield, Illinois. December 6-9.
- 29) LaRue[†], E.A., R.A. Thum, and **C.R. Ruetz III**. 2009. Population structure of the invasive round goby in Lake Michigan. Poster presentation at the West Michigan Regional Undergraduate Science Research Conference, Grand Rapids, Michigan. October 31.
- 30) Prichard[†], C., **C.R. Ruetz III**, and J.N. McNair. 2009. A dynamic programming model of patch selection by stream invertebrates. Poster presentation at the West Michigan Regional Undergraduate Research Conference, Grand Rapids, Michigan. October 31.
- 31) Altenritter[§], M.E., **C.R. Ruetz III**, and K.M. Smith. 2009. Reproductive status and early life history of lake sturgeon in the Muskegon River. Poster presentation at the 57th Annual Meeting of the NABS, Grand Rapids, Michigan. May 17-22.
- 32) **Ruetz, C.R., III**, and M.J. Breen[§]. 2009. Consumption of leaf litter by stream invertebrates: evaluating leaf size. Poster presentation at the 57th Annual Meeting of the NABS, Grand Rapids, Michigan. May 17-22.
- 33) Keiper[§], W.D., and **C.R. Ruetz III**. 2009. Stormwater runoff in an urban stream: impacts on central mudminnows. Oral presentation at the 57th Annual Meeting of the NABS, Grand Rapids, Michigan. May 17-22.
- 34) Cooper, M.J., **C.R. Ruetz III**, D.G. Uzarski, and B.M. Shafer[†]. 2009. Habitat use and diets of round gobies in coastal areas of Lakes Michigan and Huron. Oral presentation at the 57th Annual Meeting of the NABS, Grand Rapids, Michigan. May 17-22.
- 35) Murry, B.A., M.J. Cooper, D.G. Uzarski, J.M. Farrell, D. Clapp, **C.R. Ruetz III**, K. Kapuscinski, and D.P. Coulter. 2009. Increasing prevalence of the non-indigenous round goby, *Apollonia melanostomus*, in coastal wetlands of the Laurentian Great Lakes: are wetlands really resistant to invasion? Oral presentation at the Annual Meeting of the NABS, Grand Rapids, Michigan. May 17-22.
- 36) Nelson[§], K.M., **C.R. Ruetz III**, and D.G. Uzarski. 2009. Distribution of dreissenids in Great Lakes coastal ecosystems: Are wetlands resistant to invasion? Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, Dundee, Michigan. March 18-19.
- 37) Altenritter[§], M.E., **C.R. Ruetz III**, and K.M. Smith. 2009. Status of lake sturgeon reproduction in the Muskegon River. Poster presentation at the Annual Meeting of the Michigan Chapter of the AFS, Dundee, Michigan. March 18-19.
- 38) Keiper[§], W., and **C.R. Ruetz III**. 2009. Storm water runoff in a Michigan urban stream: impacts on central mudminnows. Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, Dundee, Michigan. March 18-19.
- 39) Stacey[†], M. B., R.A. Thum, **C.R. Ruetz III**, and T. Armstrong. 2008. Population structure of the invasive round goby in Lake Michigan. Oral presentation at the 69th MFWC, Columbus, Ohio. December 14-17.
- 40) Altenritter[§], M.E., **C.R. Ruetz III**, and K.M. Smith. 2008. Recruitment and movement patterns of lake sturgeon in the Muskegon River system. Poster presentation at the 69th MFWC, Columbus, Ohio. December 14-17.
- 41) Keiper[§], W., and **C.R. Ruetz III**. 2008. Storm water runoff in a Michigan urban stream: impacts on central mudminnows. Poster presentation at the 69th MFWC, Columbus, Ohio. December 14-17.

- 42) Altenritter[§], M.E., **C.R. Ruetz III**, and K.M. Smith. 2008. Status of lake sturgeon reproduction in the Muskegon River, Michigan. Poster presentation at the Great Lakes Lake Sturgeon Coordination Meeting, Port Huron, Michigan. December 3-4.
- 43) Stacey[†], M. B., R.A. Thum, **C.R. Ruetz III**, and T. Armstrong. 2008. Population structure of the invasive round goby in Lake Michigan. Poster presentation at the West Michigan Regional Undergraduate Science Research Conference, Grand Rapids, Michigan. November 1.
- 44) Altenritter[†], M.E., and **C.R. Ruetz III**. 2008. Risk of predation across a gradient of habitat structure: Are results scale dependent? Oral presentation at the 56th Annual Meeting of the NABS, Salt Lake City, Utah. May 25-30.
- 45) Breen[§], M.J., **C.R. Ruetz III**, and S.L. Kohler. 2008. Prey availability as a predictor of mottled sculpin foraging behavior in a small Michigan stream. Oral presentation at the 56th Annual Meeting of the NABS, Salt Lake City, Utah. May 25-30.
- 46) Nelson[§], K.M., **C.R. Ruetz III**, and D.G. Uzarski. 2008. Distribution of dreissenids in Great Lakes coastal ecosystems: Are wetlands resistant to invasion? Oral presentation at the 56th Annual Meeting of the NABS, Salt Lake City, Utah. May 25-30.
- 47) **Ruetz, C.R., III**. 2008. Modeling the catch of fish in entrapment gear: evaluating bias. Poster presentation at the Annual Meeting of the Michigan Chapter of the AFS, Sault Ste. Marie, Michigan. March 4-5.
- 48) Altenritter[†], M.E., and **C.R. Ruetz III**. 2008. Risk of predation across a gradient of habitat structure: Are results scale dependent? Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, Sault Ste. Marie, Michigan. March 4-5.
- 49) **Ruetz, C.R., III**. 2007. Modeling the catch of fish in entrapment gear: evaluating bias. Poster presentation at the 68th MFWC, Madison, Wisconsin. December 9-12.
- 50) Altenritter[†], M., and **C.R. Ruetz III**. 2007. Risk of predation to stream invertebrates across a gradient of habitat complexity. Poster presentation at the West Michigan Regional Undergraduate Science Research Conference, Grand Rapids, Michigan. October 20.
- 51) **Ruetz, C.R., III**, and D.G. Uzarski. 2007. Setting targets for fish populations and habitats in two Areas of Concern. Oral presentation at the Lake Michigan: State of the Lake Conference, Traverse City, Michigan. October 3-5.
- 52) Nelson[§], K.M., **C.R. Ruetz III**, and D.G. Uzarski. 2007. Distribution of zebra mussels in Great Lakes coastal ecosystems: Are wetlands resistant to invasion? Oral presentation at the Lake Michigan: State of the Lake Conference, Traverse City, Michigan. October 3-5.
- 53) Cookingham[†], M.N., and **C.R. Ruetz III**. 2007. Evaluating passive integrated transponder tags for tracking movements of round gobies. Poster presentation at the Lake Michigan: State of the Lake Conference, Traverse City, Michigan. October 3-5.
- 54) Breen[§], M.J., **C.R. Ruetz III**, and K.J. Thompson. 2007. Movement patterns of mottled sculpins in a small stream: evaluating PIT equipment. Oral presentation at the 137th Annual Meeting of the AFS, San Francisco, California. September 2-6.
- 55) Nelson[§], K.M., D.G. Uzarski, and **C.R. Ruetz III**. 2007. Distributions of zebra mussels in Great Lakes coastal ecosystems: Are wetlands resistant to invasion? Oral presentation at the 50th Annual Meeting of the IAGLR, University Park, Pennsylvania. May 28-June 1.
- 56) Cookingham[†], M.N., and **C.R. Ruetz III**. 2007. Evaluating passive integrated transponder tags for tracking movements of round gobies. Poster presentation at the

- Indiana-Michigan-Ohio Chapters Joint Annual Meeting of the AFS, Angola, Indiana. February 14-15.
- 57) Breen[§], M.J., **C.R. Ruetz III**, and K.J. Thompson. 2007. Relocation of PIT-tagged mottled sculpins: evaluating diel and seasonal recapture probabilities in a small Michigan stream. Oral presentation at the Indiana-Michigan-Ohio Chapters Joint Annual Meeting of the AFS, Angola, Indiana. February 14-15.
 - 58) **Ruetz, C.R., III**, D.G. Uzarski, and A.D. Parker. 2006. Index of biotic integrity for Muskegon and White lakes. *Invited* oral presentation at the Fall Work Session: Setting Local Criteria for Removal of Loss of Fish and Wildlife Habitat and Degradation of Fish and Wildlife Populations Beneficial Use Impairments, Michigan Statewide Public Advisory Council, Dearborn, Michigan. November 13-14.
 - 59) **Ruetz, C.R., III**, J.C. Trexler, N.J. Dorn, J.H. Chick, and W.L. Loftus. 2006. Seasonal use of alligator ponds by wetland fishes: dealing with drought. Oral presentation at the 91st Annual Meeting of the Ecological Society of America (ESA), Memphis, Tennessee. August 6-11.
 - 60) Breen[§], M.J., and **C.R. Ruetz III**. 2006. Consumption of leaf litter by stream invertebrates: evaluating effects of leaf size. Poster presentation at the 91st Annual Meeting of the ESA, Memphis, Tennessee. August 6-11.
 - 61) **Ruetz, C.R., III**, D.G. Uzarski, M.J. Cooper, and T.M. Burton. 2006. Distribution of round gobies in coastal areas of Lake Michigan: Are wetlands resistant to invasion? Poster presentation at the Workshop on Computational Science for Natural Resource Managers, University of Tennessee, Knoxville. April 19-22.
 - 62) **Ruetz, C.R., III**. 2006. Distribution of round gobies in Lake Michigan drowned river mouths. *Invited* oral presentation at the Michigan Sea Grant Regional Fishery Workshop, Grand Haven, Michigan. March 25.
 - 63) Cooper, M.J., **C.R. Ruetz III**, D.G. Uzarski, and T.M. Burton. 2006. Distribution of round gobies in Lake Michigan drowned river mouth lakes and wetlands: Do coastal wetlands provide refugia for native species? Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, East Lansing, Michigan. March 6-7.
 - 64) Reneski[†], M.R., **C.R. Ruetz III**, and D.G. Uzarski. 2006. Round goby predation on zebra mussels: Experimental evidence from coastal lakes. Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, East Lansing, Michigan. March 6-7.
 - 65) VanHaitsma[§], D.L., and **C.R. Ruetz III**. 2006. Round gobies as prey: Are they equivalent to native fish species? Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, East Lansing, Michigan. March 6-7.
 - 66) **Ruetz, C.R., III**, B.M. Earl, and S.L. Kohler. 2005. Evaluating PIT tags for marking sculpins. Poster presentation at the 66th MFWC, Grand Rapids, Michigan. December 11-14.
 - 67) Breen[†], M.J., and **C.R. Ruetz III**. 2005. Gear bias in fyke nets: evaluating soak time, fish density, and predators. Poster presentation at the 66th MFWC, Grand Rapids, Michigan. December 11-14.
 - 68) Reneski[†], M.R., **C.R. Ruetz III**, and D.G. Uzarski. 2005. Examining the role of water quality and round goby predation on zebra mussels. Poster presentation at the 66th MFWC, Grand Rapids, Michigan. December 11-14.

- 69) Parker, A.D., D.G. Uzarski, **C.R. Ruetz III**, and T.M. Burton. 2005. Comparison of Great Lakes yellow perch diets in nearshore and coastal wetland habitats. Oral presentation at the 66th MFWC, Grand Rapids, Michigan. December 11-14.
- 70) Uzarski, D. G., T. M. Burton, **C.R. Ruetz III**, M.J. Cooper, and K. Gyekis. 2005. Fish habitat use in Great Lakes coastal wetlands. *Invited* oral presentation at the Conference on Coastal Wetlands, Delta Marsh Field Station, University of Manitoba. September 12-15.
- 71) Trexler, J.C., T. McElroy, and **C.R. Ruetz III**. 2005. Extinction, recolonization, and spatial genetic structure in ecological time. Oral presentation at the 90th Annual Meeting of the ESA, Montreal, Canada. August 7-12.
- 72) **Ruetz, C.R., III**, D.L. VanHaitsma[§], and M.J. Breen[†]. 2005. Habitat complexity of stream leaf packs: effects on benthic macroinvertebrates and leaf litter breakdown. Oral presentation at the 53rd Annual Meeting of the NABS, New Orleans, Louisiana. May 22-27.
- 73) Uzarski, D.G., **C.R. Ruetz III**, T.M. Burton, and M.J. Cooper. 2005. Fish community structure across a natural environmental gradient: implications for drowned river mouth ecosystems. Oral presentation at the Annual Meeting of the IAGLR, Ann Arbor, Michigan. May 23-27.
- 74) Parker, A.D., D.G. Uzarski, **C.R. Ruetz III**, and T.M. Burton. 2005. Yellow perch (*Perca flavescens*) diets in wetlands vs. open water habitats of Saginaw Bay. Oral presentation at the IAGLR, Ann Arbor, Michigan. May 23-27.
- 75) Breen[†], M.J, and **C.R. Ruetz III**. 2005. Gear bias in fyke nets: evaluating soak time, fish density, and predators. Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, Roscommon, Michigan. February 7-9.
- 76) Parker, A., D.G. Uzarski, and **C.R. Ruetz III**. 2005. Yellow perch (*Perca flavescens*) diets in wetlands vs. open water habitats of Saginaw Bay. Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, Roscommon, Michigan. February 7-9.
- 77) VanHaitsma[§], D.L., and **C.R. Ruetz III**. 2005. Round gobies as prey: energetically are they on the same playing field as native species? Oral presentation at the Annual Meeting of the Michigan Chapter of the AFS, Roscommon, Michigan. February 7-9.
- 78) Trexler, J.C., T. McElroy, **C.R. Ruetz III**, and W.F. Loftus. 2004. Extinction, recolonization, and metacommunity structure in Everglades wetlands: spatial dynamics of aquatic communities driven by recurrent disturbance. Oral presentation at the 1st National Conference on Ecosystem Restoration, Lake Buena Vista, Florida. December 6-10.
- 79) Wolski, W.F., J.C. Trexler, J. Knouft, **C.R. Ruetz III**, and W.F. Loftus. 2004. Patterns of movement of Florida gar (*Lepisosteus platyrhincus*) in the Everglades revealed by radio telemetry. Poster presentation at the 1st National Conference on Ecosystem Restoration, Lake Buena Vista, Florida. December 6-10.
- 80) **Ruetz, C.R., III**, L.C. Nemeth, and B.A. Biddanda. 2004. Initiating long-term fish monitoring in a Michigan lake. Poster presentation at the 134th Annual Meeting of the AFS, Madison, Wisconsin. August 22-26.
- 81) Trexler, J.C., T. McElroy, and **C.R. Ruetz III**. 2004. Extinction, recolonization, and spatial genetic structure in ecological time. The Evolution Conference 2004, Ft. Collins, Colorado. June 26-30.

- 82) **Ruetz, C.R., III**, L.C. Nemeth, and B.A. Biddanda. 2003. Fish monitoring in Muskegon Lake: preliminary results. Oral presentation at the Lake Michigan: State of the Lake Conference, Muskegon, Michigan. October 21-22.
- 83) **Ruetz, C.R., III**, J.C. Trexler, F. Jordan, W.F. Loftus, and S. Perry. 2003. Spatial and temporal patterns of fish population dynamics in the Florida Everglades. Oral presentation at the 51st Annual Meeting of the NABS, Athens, Georgia. May 27-31.
- 84) **Ruetz, C.R., III**, J.C. Trexler, F. Jordan, W.F. Loftus, and S. Perry. 2003. Spatial and temporal patterns of fish population dynamics in the Everglades. Oral presentation at the Joint Conference on the Science and Restoration of the Greater Everglades and Florida Bay Ecosystems, Palm Harbor, Florida. April 13-18.
- 85) Trexler, J.C., F. Jordan, **C.R. Ruetz III**, J.H. Chick, W.F. Loftus, and S. Perry. 2003. Use of long-term monitoring data for fishes and macroinvertebrates in the development of performance measures for the modified water-delivery project. Oral presentation at the Joint Conference on the Science and Restoration of the Greater Everglades and Florida Bay Ecosystems, Palm Harbor, Florida. April 13-18.
- 86) Wolski, L.F., J.C. Trexler, J. Knouft, **C.R. Ruetz III**, and W.F. Loftus. 2003. Patterns of movement of Florida gar (*Lepisosteus platyrhincus*) in the Everglades revealed by radio telemetry. Oral presentation at the Joint Conference on the Science and Restoration of the Greater Everglades and Florida Bay Ecosystems, Palm Harbor, Florida. April 13-18.
- 87) **Ruetz, C.R., III**, A.L. Hurford[†], and B. Vondracek. 2001. Interspecific interactions between brown trout and slimy sculpin: a test of competition and facilitation. Poster presentation at the 131st Annual Meeting of the AFS, Phoenix, Arizona. August 19-23.
- 88) **Ruetz, C.R., III**, R.M. Newman, and B. Vondracek. 2001. Complex trophic interactions in a coldwater stream: fish, benthic macroinvertebrates, and periphyton. Oral presentation at the 86th Annual Meeting of the ESA, Madison, Wisconsin. August 5-10.
- 89) **Ruetz, C.R., III**, R.M. Newman, and B. Vondracek. 2001. Top-down control in a detritus-based food web: fish, shredders, and leaf breakdown in a coldwater stream. Oral presentation at the 49th Annual Meeting of the NABS, La Crosse, Wisconsin. June 3-8.
- 90) Vondracek, B., **C.R. Ruetz III**, and A.L. Hurford[†]. 2001. Interactions between brown trout and slimy sculpin: a test of competition and facilitation. Oral presentation at the 49th Annual Meeting of the NABS, La Crosse, Wisconsin. June 3-8.
- 91) **Ruetz, C.R., III**, A.L. Hurford[†], and B. Vondracek. 2001. Interactions between brown trout and slimy sculpin: a test of competition and facilitation. Oral presentation at the 34th Annual Meeting of the Minnesota Chapter of the AFS, Fargo, North Dakota. March 5-7.
- 92) Schrader[†], D.A., **C.R. Ruetz III**, B. Vondracek, and R.M. Newman. 2001. Brown trout and slimy sculpin consumption of *Gammarus pseudolimnaeus*: a laboratory test of interspecific interactions. Poster presentation at the 34th Annual Meeting of the Minnesota Chapter of the AFS, Fargo, North Dakota. March 5-7.
- 93) Hurford[†], A.L., B. Vondracek, and **C.R. Ruetz III**. 2000. Interactions between brown trout and slimy sculpin in Valley Creek, Minnesota. Poster presentation at the 12th Annual St. Croix River Research Rendezvous (St. Croix River Watershed Research Station, Science Museum of Minnesota), Marine on St. Croix, Minnesota. October 17.
- 94) **Ruetz, C.R., III**, R.M. Newman, and B. Vondracek. 2000. Effects of fish on grazers and periphyton in a coldwater Minnesota stream. Oral presentation at the 130th Annual Meeting of the AFS, St. Louis, Missouri. August 20-24.

- 95) **Ruetz, C.R., III**, and D.W. Stephens. 2000. A behavioral model of stream drift: effects of multiple predators and habitat quality. Oral presentation at the 48th Annual Meeting of the North American Benthological Society, Keystone Resort, Colorado. May 28-June 1.
- 96) **Ruetz, C.R., III**, R.M. Newman, and B. Vondracek. 2000. Fish effects on shredders and leaf litter decay in a coldwater Minnesota stream. Oral presentation at the 33rd Annual Meeting of the Minnesota Chapter of the AFS, Saint Cloud, Minnesota. January 20-21.
- 97) **Ruetz, C.R., III**, R.M. Newman, and B. Vondracek. 1999. Do fish affect leaf litter decay in Valley Creek, Minnesota? Oral presentation at the 11th Annual St. Croix River Research Rendezvous (St. Croix River Watershed Research Station, Science Museum of Minnesota), Marine on St. Croix, Minnesota. October 19.
- 98) Jennings, C.A., **C.R. Ruetz III**, and R.E. Cull. 1999. An assessment of robust redhorse reproductive and recruitment success in the Oconee River, Georgia. Oral presentation at the 129th Annual Meeting of the AFS, Charlotte, North Carolina. August 29-September 2.
- 99) **Ruetz, C.R., III**, B. Vondracek, and R.M. Newman. 1999. Top-down effects of slimy sculpin in Valley Creek, Minnesota. Oral presentation at the 47th Annual Meeting of the NABS, Duluth, Minnesota. May 25-28.
- 100) **Ruetz, C.R., III**, B. Vondracek, and R.M. Newman. 1998. Potential top-down effects of slimy sculpin in Valley Creek, Minnesota. Oral presentation at the 10th Annual St. Croix River Research Rendezvous (St. Croix River Watershed Research Station, Science Museum of Minnesota), Marine on St. Croix, Minnesota. October 20.
- 101) **Ruetz, C.R., III**, and C.A. Jennings. 1997. Swimming performance of larval and juvenile robust redhorse: implications for recruitment in the Oconee River, Georgia. Oral presentation at the 127th Annual Meeting of the AFS, Monterey, California. August 24-28.
- 102) **Ruetz, C.R., III**, and C.A. Jennings. 1997. Instantaneous growth and mortality of alevin channel catfish in the Oconee River, Georgia. Poster presentation at the 127th Annual Meeting of the AFS, Monterey, California. August 24-28.
- 103) **Ruetz, C.R., III**, and C.A. Jennings. 1997. Growth and mortality of alevin channel catfish in the Oconee River, Georgia. Poster presentation at the AFS Southern Division Midyear Meeting, San Antonio, Texas. February 13-16.
- 104) **Ruetz, C.R., III**, and C.A. Jennings. 1997. Swimming performance of larval and juvenile robust redhorse: implications for recruitment in the Oconee River, Georgia. Oral presentation at the AFS Southern Division Midyear Meeting, San Antonio, Texas. February 13-16.
- 105) **Ruetz, C.R., III**, and C.A. Jennings. 1997. Growth and mortality of alevin channel catfish in the Oconee River, Georgia. Oral presentation at the Annual Meeting of the Georgia Chapter of the AFS, Helen, Georgia. January 28-30.
- 106) **Ruetz, C.R., III**, and C.A. Jennings. 1997. Swimming performance of larval and juvenile robust redhorse: implications for recruitment success in the Oconee River, Georgia. Oral presentation at the Annual Meeting of the Georgia Chapter of the AFS, Helen, Georgia. January 28-30.
- 107) **Ruetz, C.R., III**, and C.A. Jennings. 1996. Reproductive and recruitment success of robust redhorse in the Oconee River, Georgia. Poster presentation at the AFS Southern Division Midyear Meeting, Mobile, Alabama. February 22-26.

- 108) **Ruetz, C.R., III**, and C.A. Jennings. 1996. Reproductive and recruitment success of robust redhorse in the Oconee River. Oral presentation at the Annual Meeting of the Georgia Chapter of the AFS, Brunswick, Georgia. January 23-25.

Invited Academic Seminars:

- *Ecology of the invasive round goby: implications for the Great Lakes food web*, Department of Geology, Geography and Environmental Studies, Calvin College (Grand Rapids, Michigan), 2010
- *Fish monitoring in Muskegon Lake: gear bias and ecological effects of round gobies*, Great Lakes Environmental Research Laboratory, National Oceanic & Atmospheric Administration (Ann Arbor, Michigan), 2005
- *Top-down control by fish in stream food webs*, Departments of Biology and Chemistry, Lake Superior State University (Sault Ste. Marie, Michigan), 2004
- *Top-down control by fish in stream food webs*, Biology Department, Eastern Michigan University (Ypsilanti, Michigan), 2003
- *Top-down control by fish in stream food webs*, Kellogg Biological Station, Michigan State University (Hickory Corners, Michigan), 2003
- *Effects of trout and sculpins on benthic macroinvertebrates, periphyton, and leaf litter decay in Valley Creek, Minnesota*, Department of Biological Sciences, Florida International University (Miami, Florida), 2002

Invited Public Seminars:

- *Invasive fish species in the Great Lakes*, Owashtanong Islands Audubon Society (Grand Haven, Michigan), 2008
- *Distribution and ecological impacts of round gobies*, West Michigan Walleye Club (Grand Rapids, Michigan), 2006

PROFESSIONAL ORGANIZATIONS

- International Association of Great Lakes Research, 2006-present
- Sigma Xi (Full Member), 2000-present
- Ecological Society of America (Sections: Aquatic Ecology), 1998-present
- North American Benthological Society, 1998-present
- American Institute of Fishery Research Biologists (Associate 1997, Member 2004), 1997-present
- American Fisheries Society (Education Section, Michigan Chapter), 1993-present
Offices held in Michigan Chapter of the American Fisheries Society: President (2008), President-Elect (2007), and Past-President (2009)

GRANTS & CONTRACTS

External:

- 1) U.S. Environmental Protection Agency, Sub-award from Central Michigan University, 2010-2015, Principal Investigator (PI), GLIC: Implementing a Great Lakes Basin Wide Coastal Wetland Monitoring Program (Total: \$232,910)
- 2) Michigan Department of Natural Resources & Environment, 2010-2014, PI (K.M. Smith, co-PI), Demographic and reproductive status of lake sturgeon in the Muskegon River (Total: \$100,264)

- 3) Consumer's Energy, Subcontract from URS, Inc., 2010-2014, PI (K.M. Smith, co-PI), Demographic and reproductive status of lake sturgeon in the Muskegon River (Total: \$99,940)
- 4) Tribal Wildlife Grant, U.S. Fish & Wildlife Service, Subcontract from Gun Lake Tribe, 2009-2011, PI, Juvenile lake sturgeon (*Acipenser fulvescens*) assessments in the Kalamazoo and Grand rivers, Michigan (Total: \$98,490)
- 5) National Oceanic & Atmospheric Administration (American Recovery and Reinvestment Act), Subcontract from West Michigan Shoreline Regional Development Commission, 2009-2011, co-PI (A. Steinman, co-PI), Muskegon Lake Area of Concern habitat restoration (Total: \$166,021; Ruetz: \$33,232)
- 6) Michigan Department of Natural Resources, 2009-2011, PI (E. Rutherford, co-PI), Reproductive and recruitment success of walleye in the Muskegon River (Total: \$157,817; Ruetz: \$75,085)
- 7) Consumer's Energy, Subcontract from URS, Inc., 2008-2010, PI (K.M. Smith, co-PI), Recruitment and juvenile ecology of lake sturgeon in the Muskegon River (Total: \$92,348)
- 8) U.S. Department of Transportation, 2007-2011, co-PI (A. Steinman, PI; R.R. Rediske, X. Chu, co-PIs), A study of surface run-off from US 31/Seaway on Little Black Creek, Muskegon County, Michigan (Total: \$277,440)
- 9) Consumer's Energy, Subcontract from URS, Inc., 2006-2008, PI, Impingement and entrainment monitoring of fishes at the B.C. Cobb Plant located on Muskegon Lake (Total: \$36,500)
- 10) South Florida Water Management District, Subcontract from Malcolm Pirnie, Inc., 2006-2007, PI (A. Steinman, co-PI), Fish relationships to plant community structure and habitat in Lake Okeechobee, Florida (Total: \$31,627)
- 11) National Fish & Wildlife Foundation, Subcontract from Muskegon Conservation District, 2006-2007, PI, Setting delisting targets for fish population and habitat beneficial use impairments for the White Lake Area of Concern (\$11,119)
- 12) Great Lakes National Program Office, Environmental Protection Agency, Subcontract from Timberland Resource Conservation and Development Area Council, Inc., 2006-2007, co-PI (M. Luttenton, co-PI), Restoring fish and wildlife to Muskegon Lake (Total: \$21,411; Ruetz: \$12,050)
- 13) Coastal Management Program, Michigan Department of Environmental Quality, 2006-2007, co-PI (D.G. Uzarski, PI; T.M. Burton, co-PI), Great Lakes coastal wetlands as refuge for native fishes: Are wetlands resistant to invasion by recent exotics? (Total: \$40,000; Ruetz: \$16,400)
- 14) Water Quality Monitoring Grant (Emerging Issues), Michigan Department of Environmental Quality, 2006-2007, co-PI (R.R. Rediske, PI; D.G. Uzarski, co-PI), Assessment of persistent bioaccumulative toxic chemicals in Michigan Fish from several trophic levels (Total: \$68,143; Ruetz: \$6,843)
- 15) Michigan Space Grant Consortium, National Aeronautics & Space Administration, 2006-2007, PI, Movement of the round goby: Understanding the spread of an invasive species (\$5,000)
- 16) Great Lakes Coastal Program, U.S. Fish & Wildlife Service, 2004-2006, PI (D.G. Uzarski, T.M. Burton, co-PIs), Distribution of round gobies in coastal ecosystems of Lake Michigan: effects of human disturbance (\$10,000)

Internal:

- 17) Student Summer Scholars, GVSU, 2011, PI, Comparing two methods for estimating stream fish abundance (\$6,000)
- 18) Student Summer Scholars, GVSU, 2009, co-PI (R.A. Thum, co-PI), Population structure of the invasive round goby in Lake Michigan (\$6,000)
- 19) Student Summer Scholars, GVSU, 2008, co-PI (R.A. Thum, co-PI), Dispersal and gene flow of an invasive fish in Lake Michigan (\$6,000)
- 20) Student Summer Scholars, GVSU, 2007, PI, Risk of multiple predators to stream invertebrates across a gradient of habitat complexity (\$5,929)
- 21) Student Summer Scholars, GVSU, 2006, PI, Evaluating tagging methods and movement patterns of round gobies (\$5,420)
- 22) Student Summer Scholars, GVSU, 2004, PI, What factors control fyke-net catch? Implications for fish monitoring in Muskegon Lake (\$3,500)

HONORS & AWARDS

- President, Michigan Chapter of the American Fisheries Society, 2008
- Outstanding Faculty Mentor Award, Graduate and Professional Student Organization, GVSU, Fall 2007
- Best Student Paper, Annual Meeting of the Michigan Chapter of the American Fisheries Society (Student: M.J. Breen; Co-authors: C.R. Ruetz III & K.J. Thompson), 2007
- Certified Fisheries Professional (Associate, 1998; Professional, 2005), American Fisheries Society, 2011(expires Dec. 2016)
- Best Student Poster Award, Honorable Mention, American Fisheries Society, 2001
- Doctoral Dissertation Fellowship, Graduate School, University of Minnesota, 2001
- John E. Skinner Memorial Award [Travel grant to annual meeting], American Fisheries Society, 2000
- Olson-Wallace Award in Zoology, University of Minnesota Chapter, Sigma Xi, 2000
- Research Assistance Award [Travel grant to a conference], American Institute of Fishery Research Biologists, 1999 & 2001
- Cargill Fellowship, Department of Fisheries and Wildlife, University of Minnesota, 1997-2001

TEACHING & MENTORING

Courses Taught:

- BIO 362 Fisheries Biology (4 credits), Biology Department, GVSU, Fall (every year) 2003-present
- NRM 580/680 Fisheries Management (3 credits), Biology Department, GVSU, Winter (odd years) 2005-present
- NRES 3000 Colloquium in Natural Resources: Aquatic Ecology (1 credit), College of Natural Resources, University of Minnesota, Fall 1999

Guest Lectures:

- A personal perspective on being a fisheries scientist, NRM 150 Introduction to Natural Resources (Fall 2009, Winter 2010, Winter 2011), GVSU
- Experimental design and pseudoreplication, BIO 610 Scientific Methodology (Fall 2006), GVSU

- Ecology of the Everglades: fish population dynamics, BIO 418 Regional Field Biology (Winter 2004) and BIO 440 Limnology (Fall 2004), GVSU
- Competition, BIO 442 Fish Ecology (Winter 2003), GVSU
- Density-independent Population Growth, PCB 5423 Advanced Ecology: Populations and Communities (Fall 2002), Florida International University
- Modeling Stream Drift, FW 8459 Stream and River Ecology (Fall 2000), University of Minnesota
- Stream Trophic Interactions, FW 8460 Fish Habitats and Restoration (Fall 1999), University of Minnesota

Mentoring of undergraduate students:

- 1) Andrea Koster, Annis Summer Internship, AWRI, Summer 2010
- 2) Elizabeth LaRue (Co-mentor with R. Thum), Student Summer Scholars, GVSU, 2009; Wipperfurth Student Research Scholarship, AWRI, Fall 2009
- 3) Alex Wieten, Sciencetech Intern, AWRI, Summer 2009
- 4) Carson Prichard, Allen Hunting Internship, AWRI, Summer 2008; BIO499 Research in Biology, GVSU, Winter 2009
- 5) Michael B. Stacey (Co-mentor with R. Thum), Student Summer Scholars, GVSU, 2008; Wipperfurth Student Research Scholarship, AWRI, Fall 2008
- 6) Matthew Altenritter, Student Summer Scholars, GVSU, 2007; Wipperfurth Student Research Scholarship, AWRI, Fall 2007
- 7) Megan N. Cookingham, Student Summer Scholars, GVSU, 2006; VanderMey Internship, AWRI, Winter 2008
- 8) Betsy Shafter (Co-mentor with D. Uzarski), Sciencetech Internship, AWRI, Summer 2006
- 9) Melissa Reneski (Co-mentor with D. Uzarski), Allen Hunting Internship, AWRI, Summer 2005
- 10) Matthew J. Breen, Student Summer Scholars, GVSU, 2004; VanderMey Internship, AWRI, Winter 2005
- 11) Rita M. Evans, Summer Internship, GVSU, 2004

Graduate Committee Chair for:

- 1) Jared Homola, MS Student, Biology, GVSU, 2011-present; *Thesis*: Disease ecology of a microsporidian parasite: effects on mottled sculpin population dynamics
- 2) Alex Wieten, MS Student, Biology, GVSU, 2010-present; *Thesis*: Status of lake sturgeon in the Muskegon River
- 3) Jordan Allison, MS Student, Biology, GVSU, 2009-present; *Thesis*: Reproductive and recruitment success of walleye in the Muskegon River
- 4) Matthew Altenritter, MS Student, Biology, GVSU, 2008-2010 [*Honors*: Graduate Dean's Citation for Academic Excellence in a Major, Fall 2010]; *Thesis*: Recruitment and juvenile ecology of lake sturgeon in the Muskegon River; *Current Position*: PhD student, University of Maine
- 5) William D. Keiper, MS Student, Biology, GVSU, 2007-2011; *Thesis*: Stormwater runoff in an urban stream: effects on fish and snails; *Current Position*: Aquatic Biologist, Water Resources Division, Michigan Department of Natural Resources & Environment
- 6) Kristin (Nelson) Thomas, MS Student, Biology, GVSU, 2006-2008; *Thesis*: Distribution of dreissenid mussels in Great Lakes coastal ecosystems: Are wetlands resistant to invasion? *Current Position*: Aquatic Ecologist, Michigan Council of Trout Unlimited

- 7) Matthew J. Breen, MS Student, Biology, GVSU, 2005-2008 [*Honors*: Graduate Dean's Citation for Outstanding Master's Thesis in a Major, Winter 2008]; *Thesis*: Movement, habitat use, and foraging behavior of mottled sculpins in a coldwater stream; *Current Position*: Native Aquatics Biologist, Utah Division of Wildlife Resources
- 8) Dana L. (VanHaitsma) Strouse, MS Student, Biology, GVSU, 2003-2006; *Thesis*: Selective predation by yellow perch: Are round gobies equivalent to native prey? *Current Position*: Environmental Quality Analyst, Water Resources Division, Michigan Department of Natural Resources & Environment

Graduate Committee Member for:

- 1) Amanda Oracz, MS Student, Biology, GVSU, 2010-present
- 2) Elizabeth H. Tromp, MS Student, Biology, GVSU, 2010-present
- 3) Megan N. Cookingham, Biology, GVSU, 2008-present
- 4) Julie A. Ryan, PhD Student, Biological Sciences, Western Michigan University, 2008-present
- 5) Kelli A. Johnson, MS Student, Biology, GVSU, 2007-2010
- 6) Kristofor N. Nault, MS Student, Biology, GVSU, 2007-present
- 7) T. Garrison Sanders, MS Student, Biology, GVSU, 2007-2009
- 8) Melissa S. Conte, MS Student, Biology, GVSU, 2006-present
- 9) Michael Shoemaker, MS Student, Biology, GVSU, 2006-present
- 10) Dan Mayes, MS Student, Biology, GVSU, 2006-2007
- 11) Grant Poole, MS Student, Biology, GVSU, 2005-present
- 12) Nicholas Gressick, MS Student Biology, GVSU, 2005-2009
- 13) Nicole Y. Stout, MS Student, Biology, GVSU, 2003-2007
- 14) Aaron Parker, MS Student, Biology, GVSU, 2003-2007
- 15) Keto Gyekis, MS Student, Biology, GVSU, 2003-2006

Post-Doctoral Advising:

- Yakuta Bhagat, AWRI, GVSU, 2009-2011

WORKSHOPS & TRAINING

- First Aid, American Red Cross, 2010
- Adult CPR/AED, American Red Cross, 2010
- Introduction to Electrofishing, Smith-Root, Inc., 2008
- America's Boating Course, U.S. Coast Guard Auxiliary, 2007

University Training:

- Inclusion and Diversity, Faculty Teaching & Learning Center (FTLC), GVSU, 2011
- 16th Annual Fall Conference on Teaching & Learning (Workshops: The Problem-Inquiry Method, Interdisciplinary Team-Teaching in Environmental Education), FTLC, GVSU, 2010
- Bias Incident Protocol Training, GVSU, 2009
- News and Views on the ADA Amendments Act of 2008: What faculty need to know, GVSU, 2009
- Inclusion Advocate Training for Employment Searches, GVSU, 2007
- Strategies for Building Inclusive Classrooms, FTLC, GVSU, 2007

SERVICE TO UNIT, COLLEGE, UNIVERSITY, & PROFESSION

Unit:

- Graduate Program Committee, AWRI, GVSU, 2003-present
- Space Committee, AWRI, GVSU, 2003-present
- Marketing Committee, AWRI, GVSU, 2008-present
- Safety Committee, AWRI, GVSU, 2010-present
- Search Committee, AWRI, GVSU
 - Assistant/Associate Research Scientist in Aquatic Environmental Sciences, 2008
 - Assistant Research Scientist (Aquatic Ecologists/Limnologists), 2007
 - Research Assistant II, 2006

College:

- Research/Scholarship Committee, Science and Mathematics Cluster, College of Liberal Arts and Sciences, GVSU, 2004-2005

University:

- Honors College Council, GVSU, 2010-2011
- Faculty-Staff Campaign Volunteer, GVSU, 2010-present
- Student Scholarship Day Planning Committee, GVSU, 2007
- Awards of Distinction Scholarship Competition, Interviewer, GVSU, 2007, 2008, 2009
- Freshman Orientation, Faculty Advisor, GVSU, 2007

Community:

- Muskegon Lake Watershed Partnership, 2005-present

Profession:

- Book Editorial Advisory Board, American Fisheries Society, 2008-present
- Editorial Board, ISRN Ecology, 2011-present
- Panelist, Finding, applying, and preparing for a job or graduate school, Annual Meeting of the Michigan Chapter of the American Fisher
- Michigan Chapter of the American Fisheries Society
 - Executive Committee, 2009 (Past-President), 2008 (President), 2007 (President-Elect)
 - Panelist, Panel Discussion: *Finding, applying, and preparing for a job or graduate school*, Annual Meeting (Petoskey, Michigan), 6 April 2011
 - Nominations Committee, 2007-2008 (Member), 2009 (Chair)
 - Auditing Committee, Co-chair, 2006-2008
- Program Committee (Posters), 2009 Annual Meeting (Grand Rapids, Michigan), North American Benthological Society, 2008-2009
- Awards Committee, Michigan Chapter Representative, North Central Division of the American Fisheries Society, 2008
- Skinner Award Selection Committee, Education Section, American Fisheries Society, 2008
- Panelist, Graduate Panel, *Beginning Your Professional Journey Workshop*, 68th Midwest Fish and Wildlife Conference (Madison, Wisconsin), 2007

- Student Presentation/Poster Judge
 - International Association of Great Lakes Research, 2010
 - Ecological Society of America, 2006
 - Midwest Fish and Wildlife Conference, 2005, 2007
 - North American Benthological Society, 2003
- *Transaction of the American Fisheries Society* Best Paper Subcommittee, Publication Awards Committee American Fisheries Society, 2004 (Member), 2006 (Chair)
- Moderator, Midwest Fish and Wildlife Conference, 2005
- Resolutions Committee, American Fisheries Society, 2004
- Graduate Resources Committee, North American Benthological Society, 1999-2001
- Program Committee, Posters Session, 62nd Midwest Fish and Wildlife Conference (Minneapolis, Minnesota), 1999-2000
- Student Committee Chairperson, Minnesota Chapter, American Fisheries Society, 1998-2000
- Peer Reviewer for: *Acta Zoologica Sinica*, American Fisheries Society Books Department, *American Midland Naturalist*, *Aquatic Sciences*, *Archiv für Hydrobiologie*, *Canadian Journal of Fisheries and Aquatic Sciences*, *Canadian Journal of Zoology*, *Ecography*, *Ecology*, *Ecology of Freshwater Fish*, *Environmental Biology of Fishes*, *Fisheries*, *Great Lakes Fishery Trust*, *Hydrobiologia*, *Journal of Fish Biology*, *Journal of Great Lakes Research*, *Journal of the North American Benthological Society*, *Journal of the World Aquaculture Society*, *New Zealand Journal of Marine and Freshwater Research*, *North American Journal of Fisheries Management*, *Oecologia*, *Oikos*, *Proceeding of the Southeastern Fish and Wildlife Association*, *Transactions of the American Fisheries Society*, U.S. Fish & Wildlife Service's Great Lakes Fish and Wildlife Restoration Act Grant Program, *Western North American Naturalist*, *Wetlands*