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Heartland Inventory and Monitoring Network
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Missouri State University
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Education

May 1999

M.S. Fisheries and Wildlife
Michigan State University

May 1996

B.S. Department Honors in Biology: Aquatic Biology
Minor in Computer Science
Ball State University

Experience

June 2021 – Present

Aquatic Program Leader
National Park Service, Heartland I&M Network
Adjunct Faculty, Missouri State University, Biology Dept.

- Project lead for all aquatic monitoring programs: aquatic invertebrate, aquatic vegetation and spring communities, fish communities, water quality monitoring, and metal contaminants. This includes coordination of all aquatic monitoring programs in 11 Midwest national parks located in Central Plains, Ozark Highlands, and Ouachita Mountains region.
- Ensure effective and efficient monitoring of aquatic resources, protocol revisions, point of contact for aquatics-related resource questions or projects at parks within the network, working with data manager to maintain data integrity across all aquatics program databases.
- Direct, facilitate, or consult on additional monitoring or research in network parks. Examples: assessment of stream remediation effects on stream habitat, invertebrates, and fish communities; assessment of flooding on sedimentation, stream channel morphology, mussels, and fish communities
- Supervise NPS Biologists (GS-9), full-time Missouri State University Research Specialists, and student interns.
- Develop cooperative agreements, memorandums of understanding, and research proposals to sustain and enhance long-term monitoring of aquatic resources in parks
- Point of contact for Missouri State University cooperative agreement which includes overseeing the budget, performing budget estimates, assisting with agreement modifications, working with university administrative staff and biology department staff in hiring of university employees for NPS projects.
- Conduct park education and outreach programs ranging from elementary to high school students. Mentor graduate, undergraduate and high school students in aquatic ecology.

- Serve as graduate adjunct faculty at Missouri State university and give guest lectures in the Biology Department.

Feb 2021 – June 2021 Acting Aquatic Program Leader
National Park Service, Heartland I&M Network
Adjunct Faculty, Missouri State University, Biology Dept.

Jul 2005 – Jan 2021 Fisheries Biologist
National Park Service, Heartland I&M Network
Adjunct Faculty, Missouri State University, Biology Dept.

- Project lead for all fish community monitoring and protocol development in 11 Midwest national parks located in Central Plains, Ozark Highlands, and Ouachita Mountains region.
- Evaluated the status and trends of fish communities including federally threatened or endangered fish and species of conservation concern.
- Conducted monitoring of water quality, stream habitat, aquatic vegetation, macroinvertebrates, and metal contaminants and assist with protocol development.
- Directed and facilitate additional monitoring and research to assist parks in assessing potential shifts in aquatic communities due to climate change, land use changes, and park management strategies.
- Developed cooperative agreements, memorandums of understanding, and research proposals to sustain fish community monitoring and conducted additional data analysis of long-term monitoring data and facilitated partnerships among universities, state, and federal agencies.
- Published results of aquatic monitoring programs and research in NPS reports and journal articles. Presented monitoring results to park staff and at professional scientific meetings.
- Conducted park education and outreach programs ranging from elementary to high school students. Mentored graduate, undergraduate and high school students in aquatic ecology.
- Served as graduate adjunct faculty at Missouri State university and served on graduate committees at Missouri State University and University of Missouri
- Served as faculty co-advisor for the Missouri State University student American Fisheries Society subunit.
- Taught Ichthyology course at Missouri State University, gave guest lectures and led field trips at Missouri State University and South Dakota State University.

May 1999 – Jun 2005 Assistant Research Scientist, Illinois Natural History Survey
Faculty/Staff, University of Illinois

- Investigator and research coordinator for studies that evaluated responses of macroinvertebrates, mussels, fish assemblages, and physical/chemical habitat quality to best management strategies and restoration practices
- Developed a monitoring team and protocols
- Responsible for taxonomic identification of aquatic invertebrates and fish.

- Wrote grant proposals and developed budgets for funding of two research projects to support graduate students and research technicians.
- Published reports and journal articles regarding significant results of the research and presented results at professional scientific meetings and to agency staff.
- Managed a laboratory and supervised two full-time technicians on invertebrate and fish identification, sampling methodology, and data entry.
- Supervised/mentored graduate students and undergraduate interns hired to work on research projects I supervised.

May 1996 – May 1999 Graduate Research Assistant, Michigan State University

- **Thesis:** Low-head lamprey barrier dam impacts on habitat and fish communities in the Great Lakes Basin.
- Conducted a study to assess the effects of low-head lamprey barrier dams on stream communities across the Great Lakes Basin. The objectives of this study were to assess impacts of barrier dams on stream fish community composition and size distribution, identify fish species whose abundance and size were negatively affected by these dams, determine the impacts of low-head dams on the age structure, growth, and mortality of Rainbow trout and White suckers, and assess limitations of fish movement (mark/recapture) in streams with low-head dams.
- Other responsibilities included: writing reports and journal articles, presenting results at professional meetings and to the Great Lakes Fishery Commission, and supervision of student interns.

May 1993 - May 1996 Student Research Assistant, Ball State University

- **Undergraduate Thesis:** Water clarity trends in the Indiana waters of Lake Michigan: pre (1970 – 1972) and post (1983 – 1994) Zebra mussel introduction
- Conducted a study on the water clarity of the Indiana waters of Lake Michigan using secchi depth data. The objective of the study was to clarify possible trends in water clarity among the years of 1970 - 1972 (pre Zebra mussel introduction) and 1983 – 1994 (post- Zebra mussel introduction) and suggest causative factors for these trends

Grants, Cooperative Agreements, Partnerships (selected)

- 2023 Inventory, Monitoring, and Research of Aquatic Resources within and Adjacent to the Ozark National Scenic Riverways. **Memorandum of Understanding** between Heartland Network NPS and Missouri Department of Conservation. Hope Dodd: NPS Project Manager, Andy Turner and Blake Stephens: MDC Project Managers, 5-year MOU.
- 2022 Partnership for Ecological Monitoring in the NPS-HTLN. **Cooperative Agreement**

between Heartland Network NPS and Missouri State University, Hope Dodd: NPS Project Manager, Mike DeBacker: NPS Agreements Technical Representative, Alicia Mathis: MSU Investigator, 5 year (2022-2027).

- 2021 Partnership for Ecological Monitoring in the NPS-HTLN. **Cooperative Agreement** between Heartland Network NPS and Missouri State University, Hope Dodd: NPS Project Manager, Mike DeBacker: NPS Agreements Technical Representative, Alicia Mathis: MSU Investigator, 5 year (2018-2023).
- 2015 Aquatic Resource Monitoring at Pipestone National Monument. **Cooperative Agreement** between Heartland Network NPS and South Dakota State University, Hope Dodd : NPS Project Manager, Mike DeBacker: NPS Agreements Technical Representative, Katie Bertrand/Brian Graeb: SDSU Investigator, 5 year.
- 2014 Inventory, Monitoring, and Research of Aquatic Resources within and Adjacent to the Ozark National Scenic Riverways. **Memorandum of Understanding** between Heartland Network NPS and Missouri Department of Conservation. Hope Dodd: NPS Project Manager, John Ackerson and Andy Turner: MDC Project Managers, 5 year MOU.
- 2013 Fish Community Monitoring and Topeka shiner assessment at Pipestone National Monument. **Partnership** between Hope Dodd, Heartland Network NPS and Drs. Katie Bertrand and Brian Graeb, South Dakota State University.
- 2013 Developing Measures of Vulnerability to Climate Change and Disturbance of Aquatic Communities in Heartland Network Parks. **USGS National Parks Monitoring Program**, Hope Dodd: NPS Investigator, Craig Paukert: USGS Investigator, 3 year.
- 2010 **Hutton Jr Fisheries Biology Scholarship Program** funded by American Fisheries Society. Zachary Morris: Student Intern, Hope Dodd: Mentor, 3 month.
- 2009 **Hutton Jr Fisheries Biology Scholarship Program** funded by American Fisheries Society. Myranda Clark: Student Intern, Hope Dodd: Mentor, 3 month.
- 2005 Development of a Multi-metric Habitat Index for Illinois Streams. **Illinois State Wildlife Grant**, Ann Holtrop: Primary Investigator; Robert Fischer, Hope Dodd, John Epifanio: Co-investigators, 3 year.
- 2005 Evaluation of Newbury Weirs (Rock Riffles) for Improving Habitat Quality and Biotic Diversity in Illinois Streams. **Illinois Wildlife Preservation Fund – Small Project Grant**, Hope Dodd: Primary Investigator, David Wahl: Co-investigator, 1 year.
- 2004 Evaluation of Newbury Weirs (Rock Riffles) for Improving Habitat Quality and Biotic Diversity in Illinois Streams. **R. Weldon Larimore Research Grant** from R. Weldon Larimore/Jordan Creek Endowment Fund, Hope Dodd: Primary Investigator, 1 year.
- 2002 Evaluation of Modification of the Upper Batavia Dam on the Fox River, **Illinois Department of Natural Resources – Office of Water Resources Grant**,

David Wahl: Primary Investigator, Hope Dodd: Co-investigator, 4 year.

2001 Evaluation of Management Practices in Illinois Watersheds, **Illinois Department of Natural Resources – Division of Fisheries Grant**, David Wahl: Primary Investigator, Hope Dodd: Co-investigator, 3 year.

Awards and Honors

- 2020 NPS Fifteen Years of Service Certificate
- 2018 Letter of Recognition, Missouri Chapter of the American Fisheries Society
- 2015 NPS Ten Years of Service Certificate
- 2014 Letter of Recognition, Missouri Chapter of the American Fisheries Society
- 2009 & 2010 Mentor for the American Fisheries Society Hutton Jr Fisheries Program
- 2008 Service-wide Inventory and Monitoring Program Team Award, US Dept of Interior, National Park Service
- 2008 US Dept of Interior, National Park Service Star Award
- 2005 US Dept of Interior, National Park Service On-the-Spot Award
- 2001 Mentor for Special Undergraduate Research Experience Program
- 2000 Associate Fisheries Professional Certification – American Fisheries Society
- 1999 Michigan Chapter of the American Fisheries Society Albert S. Hazzard Award for recognition of thesis research
- 1999 American Fisheries Society / Sea Grant Outstanding Student Paper Award at the 129th Annual American Fisheries Society meeting
- 1996 Indiana Chapter of the American Fisheries Society Exceptional New Member

Professional Society Affiliations

- 1996 - present American Fisheries Society (AFS) – National Chapter
 - 2016 - present National Education Section of AFS
2016-2018, North Central Division representative to Education Section
 - 2005 - present Missouri Chapter of AFS
2017-present, Newsletter editor
2012- 2021, Faculty co-advisor for Missouri State University Student Subunit
2018, Publicity Chair for Missouri Natural Resources Conference
2014-2016, Treasurer
2014, Program Chair for Missouri Natural Resources Conference

2000 - present	North Central Division Rivers and Streams Technical Committee member
1999 - 2005	Illinois Chapter of AFS 2001-2005, Continuing Education Committee Chair
1996 - 1999	Michigan Chapter of AFS
1994 - 1996	Indiana Chapter of AFS Ball State University Student Chapter of Indiana AFS President, Charter member, Executive Committee, Planning Committee
1999 – 2001	North American Benthological Society (currently known as Society for Freshwater Science)

Protocols and Technical Reports (selected)

Dodd, H.R., D.E. Bowles, J.T. Cribbs, J.M. Williams, and C.R Cheri. 2024 (in publication). Aquatic Community Monitoring at Herbert Hoover National Historic Site: 2008-2017. NPS/HTLN/NRDS-2023. National Park Service, Fort Collins, Colorado.

Dodd, H.R., J.T. Cribbs, D.E. Bowles, C.R Cheri and J.M. Williams. 2023. Aquatic Community Monitoring at Effigy Mounds National Monument: 2008-2017. NPS/HTLN/NRDS-2023/2562. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/nrr-2300634>.

Dodd, H.R., D.G. Peitz, G.A. Rowell, J.A. Hinsey, D.E. Bowles, L.W. Morrison, M.D. DeBacker, J.L. Haack-Gaynor, and J.M. Williams. 2021. Protocol for monitoring fish communities in small streams in the Heartland Inventory and Monitoring Network: Version 2.0. Natural Resource Report NPS/HTLN/NRR—2021/2235. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/nrr-2284726>.

Dodd, H.R., D.E. Bowles, J.A. Hinsey, J.T. Cribbs, L.W. Morrison, M.D. DeBacker, G.A. Rowell, J.L. Haack-Gaynor, and J.M. Williams. 2021. Protocol for monitoring spring communities at Ozark National Scenic River-ways, Missouri: Version 2.0. Natural Resource Report NPS/HTLN/NRR—2021/2231. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/nrr-2284630>.

Bowles, D. E., M.H. Williams, **H.R. Dodd**, L.W. Morrison, J.A. Hinsey, J.T. Cribbs, G A. Rowell, M.D. DeBacker, J.L. Haack-Gaynor, and J.M. Williams. 2021. Protocol for monitoring aquatic invertebrates of small streams in the Heartland Inventory & Monitoring Network: Version 2.1. Natural Resource Report NPS/HTLN/NRR—2021/2229. National Park Service, Fort Collins, Colorado. <https://doi.org/10.36967/nrr-2284622>.

Bowles, D.E., L.W. Morrison, **H.R. Dodd**, G.A. Rowell, M.D. DeBacker, J.A. Hinsey, J.T. Cribbs, J.L. Haack- Gaynor, and J.M. Williams. 2020. Protocol for monitoring aquatic invertebrates at Ozark National Scenic Riverways, Missouri, and Buffalo National River, Arkansas. Natural Resource Report NPS/HTLN/NRR—2020/2077. National Park Service, Fort Collins, Colorado.

Dodd, H.R. and J.M. Williams. 2018. Fish community monitoring at Wilson’s Creek National Battlefield, 2006-2016 status report. Natural Resource Data Series NPS/HTLN/NRDS—2018. National Park Service, Fort Collins, Colorado.

- Dodd, H.R.** and J.M. Williams. 2018. Fish community monitoring at George Washington Carver National Monument, 2006-2016 status report. Natural Resource Data Series NPS/HTLN/NRDS—2018. National Park Service, Fort Collins, Colorado.
- Dodd, H.R.**, J.C. Petersen, B.G. Justus, D.E. Bowles, L.W. Morrison, G.A. Rowell, J.A. Hinsey, and J.M. Williams. 2018. Methods for monitoring fish communities of Buffalo National River and Ozark National Scenic Riverways in the Ozark Plateaus of Arkansas and Missouri, Version 2.0. Natural Resource Report NPS/HTLN/ NRR—2018/1633. National Park Service, Fort Collins, Colorado.
- Bowles, D.E., J.A. Hinsey, J.T. Cribbs, **H.R. Dodd**. 2017. Aquatic invertebrate community structure in springs at Ozark National Scenic Riverways, Missouri, 2007-2016. Natural Resource Report NPS/HTLN/NRR—2017. National Park Service, Fort Collins, Colorado.
- Dodd, H.R.**, D.G. Peitz, J. T. Cribbs, M.D. Wagner, R. Johnston , A. DeGoei, K. Henderson, D. Mecham, M. Perrion, B. Schall, S. Sabo, S. Cole, B. Miller, and B. D. S. Graeb. 2015. Fish community monitoring at Pipestone National Monument: 2001 – 2014 trend report. Natural Resource Report NPS/HTLN/NRR—2015/1066. National Park Service, Fort Collins, Colorado.
- Dodd, H.R.** 2013. Fish community monitoring at Ozark National Scenic Riverways: 2005-2010 summary report. Natural Resources Data Series NPS/HTLN/NRDS—2013/599. National Park Service, Fort Collins, Colorado.
- DeBacker, M.D., D.E. Bowles, **H.R. Dodd**, and L.W. Morrison. 2012. Five-year review and recommendations for revision of aquatic sampling protocols at Buffalo National River and Ozark National Scenic Riverways. Natural Resource Report NPS/HTLN/NRR – 2012/563. National Park Service, Fort Collins, Colorado.
- Dodd, H.R.** and J.T. Cribbs. 2012. Fish community monitoring at Homestead National Monument of America: 2004-2011 status report. Natural Resource Data Series NPS/HTLN/NRDS—2012/276. National Park Service, Fort Collins, Colorado.
- Dodd, H.R.** and S.K. Mueller. 2012. Fish community monitoring at Hot Springs National Park: 2009 report. Natural Resource Data Series NPS/HTLN/NRDS—2012/235. National Park Service, Fort Collins, Colorado.
- Bowles, D.E. **H.R. Dodd**, J.A. Hinsey, J.T. Cribbs, and J.A. Luraas. 2011. Spring communities monitoring at Ozark National Scenic Riverways, Missouri: 2007-2009 status report. Natural Resources Technical Report NPS/OZAR/NRTR – 2011/511. National Park Service, Fort Collins, Colorado.
- Dodd, H.R.**, J.A. Hinsey, and S.K. Mueller. 2011. Fish community monitoring at Pea Ridge National Military Park: 2009 report. Natural Resource Data Series NPS/HTLN/NRDS—2011/217. National Park Service, Fort Collins, Colorado.
- Dodd, H.R.**, L.W. Morrison, D.G. Peitz. 2010. Fish community monitoring at Tallgrass Prairie National Preserve: 2001-2008 trend report. Natural Resource Technical Report NPS/HTLN/NRTR—2010/325. National Park Service, Fort Collins, Colorado.

- Dodd, H.R.** 2009. Fish community monitoring at Buffalo National River: 2006-2007 status report. Natural Resource Technical Report NPS/HTLN/NRTR—2009/185. National Park Service, Fort Collins, Colorado.
- Dodd, H.R.,** D.G. Peitz, G.A. Rowell, D.E. Bowles, and L.M. Morrison. 2008. Protocol for monitoring fish communities in small streams in the Heartland Inventory and Monitoring Network. Natural Resource Report NPS/HTLN/NRR—2008/052. National Park Service, Fort Collins, Colorado.
- Bowles, D. E., M. H. Williams, **H. R. Dodd**, L. W. Morrison, J. A. Hinsey, C. E. Ciak, G. A. Rowell, M. D. DeBacker, and J. L. Haack. 2008. Monitoring Protocol for Aquatic Invertebrates of Small Streams in the Heartland Inventory & Monitoring Network. Natural Resource Report NPS/HTLN/NRR—2008/042. National Park Service, Fort Collins, Colorado.
- Petersen, J.C., B.J. Justus, **H.R. Dodd**, D.E. Bowles, L.W. Morrison, M.H. Williams, G.A. Rowell. 2008. Methods for monitoring fish communities of Buffalo National River and Ozark National Scenic Riverways in the Ozark Plateaus of Arkansas and Missouri: Version 1.0. US Geological Survey Open-File Report 2007-1302, 94 p.
- Bowles, D.E., **H.R. Dodd**, M.H. Williams, L.W. Morrison, K. James, M.D. DeBacker, C.E. Ciak, J.A. Hinsey, G.A. Rowell, J.L. Haack. 2008. Protocol for monitoring spring communities and Ozark National Scenic Riverways, Missouri. Natural Resources Report NPS/HTLN/NRR-2008/029, National Park Service, Fort Collins, Colorado.
- Bowles, D. E., J. A. Luraas, L. W. Morrison, **H. R. Dodd**, M. H. Williams, G. A. Rowell, M. D. DeBacker, J. A. Hinsey, F. D. Usrey, J. L. Haack. 2007. Protocol for Monitoring Aquatic Invertebrates at Ozark National Scenic Riverways, Missouri, and Buffalo National River, Arkansas. Natural Resource Report NPS/HTLN/NRR—2007/009. National Park Service, Fort Collins, Colorado.
- Day, D., A.M. Holtrop, **H.R. Dodd**, R. Smogor, R. Fischer, M. Short. 2005. A guide to operation and assembly of an electric seine. Illinois Natural History Survey Publication (technical report 2172).
- Dodd, H.R.,** J.W. Neisler, D.H. Wahl. 2005. Evaluation of Watershed Management Practices for Improving Stream Quality in the Illinois Watershed Program. Final Report, Division of Fisheries, Illinois DNR, Springfield, IL.
- Dodd, H.R.,** S.E. Butler, D.H. Wahl. 2004. Evaluation of Modification of the Upper Batavia Dam on the Fox River, Illinois. Progress Report, Office of Water Resources, Illinois DNR, Springfield, IL.
- Phillips A. , M. Miller, G. Pociask, L. Smith, R. Cahill, J. Miner, M. Pegg, **H. Dodd**, P. Hubert, A. Holtrop, D. Wahl, P. Brown, M. Demissie, H. Knapp, D. Crowder, J. Slowikowski. 2004. Illinois River Ecosystem Restoration Monitoring and Watershed Assessment Framework, Final Report, U.S. Army Corps of Engineers Rock Island District, Rock Island, IL.
- Dodd, H.R.,** D. Wahl. 1999-2000. Watershed Restoration: Illinois Pilot Watershed Program. Illinois Natural History Survey Annual Report, Champaign, IL.
- Noakes, D., J. Baylis, D. Hayes, **H. Dodd**, L. Porto, and J. Goldstein. 1999. Biological Impact of

Publications

- C.P. Paukert, Schwoerer, J.M, **H. Dodd**, and R.W. Tingley III. In prep. Relationships among biotic indices and their responses to ecological gradients in least-disturbed Ozark streams. *Journal of Environmental Management*.
- Clark, M.K. and **H.R. Dodd**. 2016. Influence of a spring on fish communities and habitat in an Ozark stream. *Natural Areas Journal* 36:72-80.
- Westhoff, J.T., C. Paukert, S. Ettinger-Dietzel, **H. Dodd**, M. Siepker. 2016. Behavioural thermoregulation and bioenergetics of riverine smallmouth bass associated with ambient cold-period thermal refuge. *Ecology of Freshwater Fish*. 25:72-85, Published Wiley Online Library Oct 2014, DOI: 10.1111/eff.12192.
- Bowles, D.E. and **H.R. Dodd**. 2015. Floristics and community ecology of aquatic vegetation occurring in seven large springs at Ozark National Scenic Riverways, Missouri, 2007-2012. *Journal of the Botanical Research Institute of Texas* 9 (1): 235-249.
- Ettinger-Dietzel, S.A., **H.R. Dodd**, J.T. Westhoff, and M.J. Siepker. 2015. Movement and habitat selection patterns of smallmouth bass (*Micropterus dolomieu*) in an Ozark river. *Journal of Freshwater Ecology*, Published online DOI: 10.1080/02705060.2015.1025867.
- Maloney, K.O., **H.R. Dodd**, S.E. Butler, and D.H.Wahl. 2008. Changes in macroinvertebrate and fish assemblages in a medium sized river following a breach of a low-head dam. *Freshwater Biology* 53: 1055-1068.
- Tiemann, J.S., **H.R. Dodd**, N. Owens, D.H. Wahl. 2007. Effects of Lowhead Dams on Unionids in the Fox River, Illinois. *Northeastern Naturalist* 14(1): 125-138.
- McLaughlin, R.L., L. Porto, D.L.G. Noakes, J.R. Baylis, L.M. Carl, **H.R. Dodd**, J.D. Goldstein, D.B. Hayes, R. Randall. 2006. Effects of Low-head Dams on Stream Fishes: Taxonomic Affiliations and Morphological Correlates of Sensitive Species. *Canadian Journal of Fisheries and Aquatic Sciences* 63(4):766-769.
- Hayes, D.B., **H.R. Dodd**, J. Lessard. 2005. Effects of Small Dams on Cold-water Stream Fish Communities. *Proceedings from 4th World Fisheries Conference, Vancouver, BC, Canada*.
- Dodd, H.R.**, D.B. Hayes, J.R. Baylis, L.M. Carl, J.D. Goldstein, R. L. McLaughlin, D.L.G. Noakes, L.M. Porto, R.G. Randall, M.L. Jones. 2003. Low-head Lamprey Barrier Dam Impacts on Stream Habitat and Fish Communities in the Great Lakes Basin. *Journal of Great Lakes Fisheries Research* 29 (Supplement 1): 386-402.
- D.B. Hayes, J.R. Baylis, L.M. Carl, **H.R. Dodd**, J.D. Goldstein, R. L. McLaughlin, D.L.G. Noakes, L.M. Porto, R.G. Randall. 2003. Biological effect of low-head lamprey barriers: insights from an extensive survey and intensive process-oriented research. *SLIS II Symposium proceedings, Journal of Great Lakes Fisheries Research* 29 (Supplement 1): 373-385.

Professional and Public Presentations (selected)

- A.L. VandenBerg and **H.R. Dodd**. 2024. Assessment of long-term fish community data of the Buffalo National River, Arkansas. Midwest Fish and Wildlife Conference, January 28-31, 2024.
- H.R. Dodd**. Biology 302 Seminar – Guest Lecture, Spring 2023, Spring 2022, Fall 2021.
- H.R. Dodd**. 2022. Fish community monitoring and the potential recovery of Topeka Shiner within streams at Tallgrass Prairie National Preserve. Joint Aquatic Sciences Meeting. May 14-20, 2022.
- J.M Williams and **H.R. Dodd**. 2022. Long-term monitoring of fish communities in springs at Ozark National Scenic Riverways. Joint Aquatic Sciences Meeting. May 14-20, 2022.
- C.R. Cheri and **H.R. Dodd**. 2022. Long-term monitoring reveals temporal and environmental impacts on macrophyte communities in spring streams. Joint Aquatic Sciences Meeting. May 14-20, 2022.
- H.R. Dodd**. Topeka Shiner Monitoring and Recovery at Tallgrass Prairie National Preserve. 2020 National NPS At-Risk Species Annual Meeting. June 9-10, 2020.
- Williams, J.M., **H.R. Dodd**, D.S. Finn. 2018. A low-water crossing impacts longitudinal movement of knobfin sculpin (*Cottus immaculatus*) and Northern Hog Sucker (*Hypentelium nigricans*) in an Ozark river. Society for Freshwater Science Annual Meeting. May 18-25, 2018.
- Gross, C.S., G.A. Rowell, **H.R. Dodd**, and M.D. DeBacker. 2017. Improving access to natural resource monitoring on National Park web pages. Midwest Fish and Wildlife Conference, Lincoln, NE. February 5 – 8, 2017.
- Dodd, H.R.**, M.J. Siepkner, J. Haack-Gaynor. 2016. Springs as thermal refugia: movement and habitat use patterns of smallmouth bass in an Ozark River. American Fisheries Society Annual Meeting, Kansas City, MO. August 21-25, 2016.
- Williams, J.M., **H.R. Dodd**, D.G. Peitz, J.T. Cribbs, K.N. Bertrand, B.D.S. Graeb. 2016. Long-term Fish Community Monitoring and Status of Topeka Shiner (*Notropis topeka*) at Pipestone National Monument, Minnesota. American Fisheries Society Annual Meeting, Kansas City, MO. August 21-25, 2016.
- Schwoerer, J.M., C.P. Paukert, and **H.R. Dodd**. 2016. Stream community vulnerability to climate and landuse change with-in National Park Services' Heartland Inventory and Monitoring Network. Missouri Natural Resources Conference, Osage Beach, MO, February 3-5, 2016.
- Dodd, H.R.**, M. J. Siepkner, J. Haack-Gaynor. 2015. Springs as thermal refugia: movement and habitat use patterns of smallmouth bass in an Ozark River. American Fisheries Society Annual Meeting, Portland, OR, August 16-21, 2015.
- Schwoerer. J.M., C.P. Paukert, and **H.R. Dodd**. 2015. Consistency among biotic indices to represent environmental conditions: implications for biotic assessments. American Fisheries Society Annual Meeting, Portland, OR, August 16-21, 2015.

- Schwoerer, J.M., S.H. Schlick, J.L. Ridgway, C.J. Rice, **H.R. Dodd**, and C.P. Paukert. 2014. Factors influencing the abundance of smallmouth bass and largemouth bass in the Ozark National Scenic Riverways. 144th Annual American Fisheries Society Conference, Quebec City, Quebec, August 17-21, 2014.
- Siepkner, M. J., **H. R. Dodd**, and J. L. Haack. 2013. Springs as thermal refugia: movement and habitat use patterns of an indicator species. Black bass diversity symposium: multidisciplinary science for conservation. Southern Division of the American Fisheries Society, Annual Meeting, Nashville, TN.
- Clark, M.K. and **H.R. Dodd**. 2013. Influence of a spring on Fish Communities in a small Ozark Stream. Missouri Natural Resources Conference, Osage Beach, MO, January 30 - February 1, 2013.
- Morrison, L.W. and **H.R. Dodd**. 2012. Spatiotemporal variation in community structure of fish assemblages in two river systems. 97th Annual Meeting of the Ecological Society of America, Portland, OR, August 5-10, 2012.
- Bowles, D.E. and **H.R. Dodd**. 2012. Aquatic vegetation monitoring at Ozark National Scenic Riverways, Missouri, 2007-2011. Ozark Summit, Springfield, MO, June 12-14, 2012.
- Dodd, H.R.**, L.W. Morrison, D.E. Bowles. 2011. Fish community and habitat relationships in the Buffalo National River, Arkansas and Ozark National Scenic Riverways, Missouri. 141st American Fisheries Society Annual Meeting, Seattle, WA, September 4-8, 2011.
- Hinsey, J.A., D.E. Bowles, **H.R. Dodd**, J.A. Luraas and J.T. Cribbs. 2011. Aquatic invertebrate community dynamics of large springs at Ozark National Scenic Riverways, Missouri, 2007-2009. Annual Meeting of the Entomological Society of America, San Diego, CA, Dec 12-15, 2010.
- Hinsey, J.A., D.E. Bowles, J.T. Cribbs, and **H. R. Dodd**. 2011. Geologic influence on aquatic invertebrate community structure and integrity in Ozark tributaries at Buffalo National River and Ozark National Scenic Riverways. Annual Meeting of the North American Benthological Society, Providence RI, May 22-26, 2011.
- Bowles, D.E. **H.R. Dodd**, J.A. Hinsey. 2009. Aquatic invertebrate inventory and monitoring at six large springs at Ozark National Scenic Riverways, Missouri. Annual Meeting of the Entomological Society of America, Indianapolis, IN, Dec. 13-16, 2009.
- Dodd H.R.**, D.G. Peitz, L.W. Morrison. 2009. Monitoring of fish communities and evaluation of habitat in prairie streams of Tallgrass Prairie National Preserve, Kansas. Midwest Fish and Wildlife Conference, Springfield, IL, Dec. 6-9, 2009.
- Morrison, L.W. and **H.R. Dodd**. 2009. Reporting the results of long-term monitoring: Control charts and information theoretic modeling. 36th Annual Natural Areas Conference, Vancouver, WA, Sept. 15-18, 2009.

- Dodd, H.R.** and D.E. Bowles. 2009. Fish community and habitat assessment of six large springs at Ozark National Scenic Riverways. 139th Annual Meeting of the American Fisheries Society, Nashville, TN, Aug. 30 – Sept. 3, 2009.
- Ciak, C.E., **H.R. Dodd** and D.E. Bowles. 2008. Development of a Long-term Monitoring Protocol for Large Spring Ecosystems at Ozark National Scenic Riverways, Missouri. North American Benthological Society, Salt Lake City, UT, May 26-30, 2008.
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