

Hilary A Morey

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Education

2011 M.S. Wildlife and Fisheries Science-Fisheries Option. South Dakota State University (SDSU), Brookings, SD.

Thesis: Influence of Diet and Environmental Variation on Physiological Responses of Juvenile Pallid Sturgeon (*Scaphirhynchus albus*).

2009 B.S. Fisheries and Water Resources-Fisheries Option, and Biology with Aquaculture minor. University of Wisconsin-Stevens Point (UWSP), Stevens Point, WI.

Professional Experience

Environmental Review Senior Biologist October 2018-present

SD Game, Fish and Parks, Pierre, SD

I review proposed development projects in the state of South Dakota for potential impacts to federal and state threatened and endangered species and their habitats. I review relevant scientific literature, and official reports related to habitat conservation, habitat restoration, wildlife ecology, and impacts of development on sensitive species and incorporate evidence into recommendations for developers to avoid and minimize conflicts with wildlife and wildlife habitat. I provide relevant scientific information and testimony to the South Dakota Public Utilities Commission related to wind energy, solar energy and pipeline projects at evidentiary hearings and through official correspondence. I serve as a co-principle investigator on two State Wildlife Grants (T-94-R-1: Prairie Grouse Ecology in Relation to the Sweetland Wind Energy Facility and T-92-R-1-Estimating Raptor Density at Two Wind Energy Facilities in Northeastern South Dakota).

Fisheries Biologist

April 2013 – October 2018

SD Game, Fish and Parks, Ft. Pierre, SD

I lead and assisted field crews to complete biological surveys (gill and fyke-nets, electrofishing, hydroacoustics, etc.) on Lake Sharpe and Lake Oahe in central South Dakota. I assisted with annual report review and preparation, manuscript preparation, manuscript reviews, creating presentations for public outreach, creating professional presentations, and writing and reviewing research proposals to secure project funding. I hired, trained, supervised and mentored seasonal fisheries technicians (1-2 per field season) and assisted with mentoring and training numerous fisheries interns.

Biological Science Technician (Fisheries)

December 2011 – April 2013

U.S. Fish and Wildlife Service, Columbia, MO.

I lead and assisted field crews to complete biological assessments on the lower Missouri River related to the Pallid Sturgeon Population Assessment Program. I also lead electrofishing and eDNA sampling crews in the Chicago Area Waterway System (CAWS) to assist with multi-state monitoring efforts for invasive silver and big-head carp presence. I was responsible for writing annual reports, paper datasheet quality control, analyzing long-term datasets for the Pallid Sturgeon Population Assessment Program. I participated in and assisted in coordinating multiple outreach and education events throughout central Missouri. I assisted with the development of new station projects and performed data analysis as needs arose. I presented results of such analyses in the form of technical presentations to stakeholder groups and peer groups at professional meetings.

Graduate Research Assistant (M.S.)

June 2009 – November 2011

South Dakota State University, Brookings, SD.

I conducted research on pallid sturgeon physiology, including the effects of diet and temperature regime on growth, food consumption and metabolism. I maintained the U.S.G.S. cooperative research unit wet lab at SDSU, where we housed 48 federally endangered pallid sturgeon and supervised and trained technicians. I presented the results of my research in the form of posters and technical presentations.

Professional Affiliation

2004 – Present

American Fisheries Society

National Chapter (2009-Present)

Fisheries Management Section (2013- 2018)

Education Section (2010-2018)

Genetics Section (2009-2018)

Dakota Chapter (2009-present)

2012 - 2018	North American Sturgeon and Paddlefish Society
2018-Present	The Wildlife Society (National Chapter) South Dakota Chapter
2018-Present	National Association of Wetland Managers (formerly Association of State Wetland Managers)

Professional Service

Energy Committee Chair	2022
South Dakota Chapter of the Wildlife Society	
Wind Wildlife Working Group Member	2021-Present
Association of Fish and Wildlife Agencies	
Energy and Wildlife Policy Committee Member	2020-Present
Association of Fish and Wildlife Agencies	
Wind Energy Work Group Chair	July 2020-June 2022
Midwest Landscape Initiative Midwest Association of Fish and Wildlife Agencies	
Mentor	2020-Present
The Wildlife Society-South Dakota Chapter	
Wind Energy Work Group Member	2019-Present
Midwest Landscape Initiative Midwest Association of Fish and Wildlife Agencies	
Technical Committee Member	2019-Present
Midwest Landscape Initiative Midwest Association of Fish and Wildlife Agencies	
Crucial Habitat Assessment Tool Policy Committee	2019-Present
Western Association of Fish and Wildlife Agencies	
AFS Professional Certification Committee	2017-2020
American Fisheries Society	

Board Member at Large 2017-2018
North American Sturgeon and Paddlefish Society

Secretary 2015-2018
North Central Division AFS Walleye Technical Committee

Young Professional Committee Member 2013-2018
Fisheries Management Section of AFS

Committee Chair 2013-2014
North Central Division AFS Walleye Technical Committee

Peer Reviewer 2009-Present
Fisheries Management and Ecology, Transactions of the American Fisheries Society, Prairie Naturalist.

Awards

- 2018 Outstanding Performance Award South Dakota Game, Fish and Parks
- 2018 Best Professional Poster Award Dakota Chapter AFS (co-author)
- 2017 Best Professional Poster Award Dakota Chapter AFS (co-author)
- 2017 Emerging Leader Mentorship Award American Fisheries Society
- 2016 Best Professional Poster Award Dakota Chapter AFS (lead author)
- 2016 Award of Merit American Fisheries Society Fish Management Section
- 2014 MICRA Sturgeon and Paddlefish Committee Travel Award
- 2011 American Fisheries Society John E. Skinner Memorial Award
- 2011 Honorable Mention for Best Student Poster Competition, 141st Annual Meeting of the American Fisheries Society, Seattle, WA.

Publications

- Fincel, M., C. Goble, D. Gravenhof, **H. Morey**. 2022. Detection range of two acoustic transmitters in four reservoir habitat types using passive receivers. *Animal Biotelemetry* 10:20. <https://doi.org/10.1186/s40317-022-00291-1>
- Gravenhof, D.A., **H.A. Morey**, C.W. Goble, M.J. Fincel and J.L. Davis. 2020. Short term survival and tag retention of gizzard shad implanted with dummy transmitters. *Journal of Fisheries Sciences* 14:001-007.

Fincel, M., N. Kludt, **H. Meyer**, M. Weber and C. Longhenry. 2019. Long-term data suggest potential interactions of introduced walleye and smallmouth bass on native sauger in four Missouri River impoundments. *Journal of Fish and Wildlife Management*. 10:602-618.

Maahs, B.C., **H.A. Meyer**, N.D. Huysman, J.M. Voorhees and M.E. Barnes. 2018. Mortality of landlocked fall chinook salmon broodstock after electrofishing or ascending a fish ladder. *Jacobs Journal of Aquaculture and Research* 3:1-3.

Huysman N., J.M. Vorhees, **H. Meyer**, E. Krebs and M.E. Barnes. 2018. Characteristics of landlocked fall chinook salmon producing either viable or completely non-viable eggs. *International Journal of Fisheries and Aquatic Sciences* 6: 86-88.

Reese, S.E., A.J. Long, H.A. **Meyer** and M.E. Barnes. 2017. Landlocked fall chinook salmon sperm motility after short term milt storage. *International Journal of Innovative Studies in Aquatic Biology and Fisheries*, 3:9-13.

Meyer, HA, SR Chipps, BDS Graeb, and RA Klumb. 2017. Growth, food consumption and energy status of age-0 pallid sturgeon (*Scaphirhynchus albus*) fed a commercial or invertebrate diet. *Journal of Fish and Wildlife Management*.

Kaemingk, MA, DJ Dembkowski, **HA Meyer**, and LM Gigliotti. 2013. Some insight for undergraduates seeking an advanced degree in wildlife and fisheries sciences. *Fisheries*.

Select Presentations

Meyer, H., C. Pasbrig and M. Fincel. 2018. Population dynamics and movement of shovelnose sturgeon in a Missouri River impoundment. North American Sturgeon and Paddlefish Society Annual Meeting, Columbia, MO.

Jungwirth, J., B. Miller, H. **Meyer**, J. Davis, M. Fincel and C. Longhenry. 2018. Selective removal of largemouth bass in small prairie impoundments (**presenting author**). North Central Division AFS Walleye Technical Committee Meeting, Spirit Lake, IA.

Meyer, H.A., M.J. Fincel and R.P. Hanten. 2017. Use of acoustic telemetry to assess over-winter survival of gizzard shad. American Fisheries Society Annual Meeting, Tampa, FL.

Meyer, H.A., R.P. Hanten, M.J. Fincel and J.L. Davis. 2016. Survival of gizzard shad after dummy transmitter implantation (poster). Dakota Chapter of the American Fisheries Society Annual Meeting, Spearfish, SD.

- Meyer, HA, K Grohs, D Shumann and MJ Fincel.** 2015. Movement of translocated paddlefish in Lake Sharpe, South Dakota. North American Sturgeon and Paddlefish Society Annual Meeting, Oshkosh, WI.
- Meyer, HA, MJ Fincel, WE Adams and CL Longmire.** 2014. The business of fishing: use and satisfaction of anglers on a large reservoir. 144th Annual Meeting of the
- Meyer, HA, CJ Ridenour, WJ Doyle and TD Hill.** 2012. Influence of flow regime on the condition of blue suckers in the lower Missouri River. 142nd Annual Meeting of the American Fisheries Society, St. Paul, MN.
- Meyer, HA, CJ Ridenour, WJ Doyle and TD Hill.** 2012. Lateral distribution of *Scaphirhynchus* sturgeon during flood flows in the lower Missouri River: 2010 case study. Mississippi Interstate Cooperative Resource Association Sturgeon and Paddlefish Committee Annual Meeting, Kirkwood, MO.
- Meyer, HA, SR Chipps, BDS Graeb, and RA Klumb.** 2011. Latitudinal variation in pallid sturgeon physiology. 141st Annual Meeting of the American Fisheries Society, Seattle, WA.
- Meyer, HA, SR Chipps, BDS. Graeb, and RA Klumb.** 2011. Growth and energy status of age-0 pallid sturgeon fed a commercial or invertebrate diet (Poster). 141st Annual Meeting of the American Fisheries Society, Seattle, WA.

Training Received

Leadership SD State Government Program	April-October 2022
Wetland Delineation Wetland Training Institute	May 2022
Reflections on Agency Management Association of Fish and Wildlife Agencies	March 2021
Adaptive Leadership Principles Association of Fish and Wildlife Agencies	July 2020
Mitigation Banking and In-Lieu Fee Program Interagency Review Team Training The Conservation Fund	June 2019
Writing and reviewing NEPA documents ShIPLEY Group	March 2019

Overview of the NEPA Process
Shiple Group

January 2019

Nationwide Permits
Wetland Training Institute

January 2019

S.C.U.B.A.-Openwater Diving
SSI

October 2017

Program MARK Workshop
Iowa State University

July 2017

R for Fisheries Scientists
Michigan State University/American Fisheries Society

August 2013