

Bradley Michael Richardson

Ph.D. Student

Department of Wildlife, Fisheries, and Aquaculture
Mississippi State University, Mississippi State, MS 39762

618.697.3178

bmr380@msstate.edu

<http://www.bradley-richardson.com>

EDUCATION

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|---|---|
| Ph.D. Forest Resources Mississippi State University | Present Advisors: Michael E. Colvin, David J. Wise |
| M.S. Biology Murray State University | 2015 Advisor: Michael B. Flinn |
| B.S. Aquatic Biology/Fisheries Murray State University | 2013 <i>Cum Laude</i> |

MANUSCRIPTS IN PROGRESS

- Richardson BM**, Griffin M, Greenway T, Mischke C, Wise DJ, and Colvin ME. Increased detectability of atypical *Aeromonas hydrophila* (aAh) in channel catfish *Ictalurus punctatus* intestinal swabs. *In Prep*
- Tumolo BB, **Richardson BM**, Labeda DM, and Flinn MB. Phytoplankton survival in invasive Silver Carp (*Hypophthalmichthys molitrix*) hindgut. *In Review*
- Richardson BM** and Flinn MB. Increased efficiency of multi- versus monofilament gill nets for the capture of gar. *In Review*
- Richardson BM** and Walker R. Evaluating the use of radial notes in the college classroom. *In Review*
- Richardson BM** and Flinn MB. An evaluation of diet composition and overlap in four sympatric gar species (Lepisosteidae). *In Review*

GRANTS AND AWARDS

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|---|------|
| Gluesing Outstanding Wildlife and Fisheries Ph.D Student (\$100) | 2019 |
| David Nabi Memorial Graduate Student Award | 2019 |
| Mississippi AFS Excellence in Public Outreach | 2019 |
| MSU Graduate School 3-Minute Thesis Grand Champion Finalist (\$250) | 2018 |
| AFS Fish Culture Section Best Student Abstract/Travel Award (\$400) | 2018 |
| MSU GSRS Best Doctoral Student Oral Presentation | 2018 |
| AFS Fish Culture Section Best Student Abstract/Travel Award (\$400) | 2017 |

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| MSU Department of Biology Outstanding Graduate Researcher | 2015 |
| MSU Innovative Graduate Research Assistantship (\$8,000) | 2014-2015 |
| Larry D. Pharris Memorial Wildlife Biology Scholarship (\$2,000) | 2014 |
| MSU Sigma Xi Chapter Outstanding Graduate Poster | 2014 |
| Society for Freshwater Science Instars Fellowship | 2013 |
| URSA Research Fellowship (\$2,000) | 2012 |
| Dr. Alfred M. Wolfson Memorial Scholarship (\$2,000) | 2012 |
| URSA Research Grant (\$500) | 2011 |

TEACHING AND MENTORSHIP

Teaching Assistantships

| | | |
|---|------------------------------|-------------|
| Applied Aquatic and Terrestrial Ecology | Mississippi State University | Fall 2018 |
| Fisheries Science | Mississippi State University | Spring 2018 |
| Applied Aquatic and Terrestrial Ecology | Mississippi State University | Fall 2017 |
| Fish Physiology | Mississippi State University | Fall 2016 |
| Zoology | Murray State University | Spring 2015 |
| Zoology | Murray State University | Fall 2014 |
| Zoology | Murray State University | Spring 2014 |
| Introduction to Biology | Murray State University | Spring 2014 |
| Zoology | Murray State University | Fall 2013 |

Guest Lectures

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| <i>Length-Weight Relationships – Fisheries Science, MSU</i> | Spring 2019 |
| <i>Hatchery Creek: Beyond Stream Restoration – Hydro-environmental Analysis, MSU</i> | Fall 2018 |
| <i>Biological Indices: How, What, and Why Macroinvertebrates are Good Stream Indicators – Hydro-environmental Analysis, MSU</i> | Fall 2018 |

Mentorships (1 – undergraduate, 2 – high school student, 3 – graduate student)

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|------------------------------------|------------------------------|-----------|
| Lorena Chavarro Chaux ³ | Mississippi State University | 2019 |
| Iveth Navarro Torres ³ | Mississippi State University | 2019 |
| Shanika Musser ¹ | Mississippi State University | 2018 |
| Taylor Noble ¹ | Mississippi State University | 2018 |
| Donavan McCranie ² | Columbus High School | 2018 |
| Jeremiah Ramsey ² | Columbus High School | 2018 |
| Miracle Watson ² | Columbus High School | 2018 |
| Claire Ray ¹ | Mississippi State University | 2017 |
| Jennifer Deignan ¹ | Mississippi State University | 2017 |
| Tori Savors ² | Columbus High School | 2017-2018 |
| Hunter Brooks ² | Columbus High School | 2017-2018 |
| David Alavarez ² | Columbus High School | 2017 |
| Wynter Brooks ² | Columbus High School | 2017 |
| Amiyah Porter ² | Columbus High School | 2017 |
| Nathan Tillotson ¹ | Murray State University | 2014-2015 |
| Desmond Eldredge ¹ | Murray State University | 2013 |
| Chaise Gilbert ¹ | Murray State University | 2013 |

Christy Soldo¹ Murray State University 2013-2015

Other Teaching Experience

Substitute Teacher Century Jr./Sr. High School, Ullin, IL 62992 2016

OUTREACH AND SERVICE

Mississippi State University Soil and Water Conservation Society
Presentation Effect of Habitat Availability and Stream Morphology on Macroinvertebrate Demographics in Red Bud/Catalpa Creek 2018-2019

Mississippi State University Student Sub-unit of the American Fisheries Society
President 2018-2019

Kidz Outdoor Zone – Jonesboro, IL
Presentation Critters in the Creek Spring 2018

Department of Wildlife, Fisheries, and Aquaculture Graduate Student Association
President 2018

Mississippi State University Student Sub-unit of the American Fisheries Society
Presentation Three States and A Thousand Connections Fall 2017

Mississippi State University Student Sub-unit of the American Fisheries Society
President-elect 2017-2018

Mississippi Region V Science Fair
Judge 2017-Present

Mississippi State University Undergraduate Research Symposium
Judge 2017-Present

Land Between the Lakes “Cool and Crawly Critter Day”
Exhibit Fun Fishes of Kentucky Spring 2014

Murray State University Wildlife and Fisheries Society
Presentation Searching for Morphological Differences in Four Sympatric Gar Species Fall 2013

CONTRIBUTED PRESENTATIONS

Society and Research Conferences

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| Eastern Fish Health Workshop | Oral Presentation | 2019 |
| American Fisheries Society – Mississippi Chapter | Oral Presentation | 2018 |
| American Fisheries Society | Oral Presentation | 2018 |
| American Fisheries Society | Poster Presentation | 2018 |
| American Fisheries Society - Mississippi Chapter | Oral Presentation | 2018 |
| American Fisheries Society | Oral Presentation | 2017 |
| Midwestern Ecology and Evolution Conference | Oral Presentation | 2015 |

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| American Fisheries Society - Southern Division | Oral Presentation | 2015 |
| Kentucky Academy of Science | Oral Presentation | 2014 |
| Joint Meeting of Ichthyologists and Herpetologists | Oral Presentation | 2014 |
| Southeastern Ecology and Evolution Conference | Poster Presentation | 2014 |
| Society for Freshwater Science | Poster Presentation | 2013 |

Symposia and Technical Committees

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| Aquatic Animal Health (International) | Oral Presentation | 2018 |
| MSU Graduate School Research Symposium | Oral Presentation | 2018 |
| Alligator Gar Technical Committee Meeting | Oral Presentation | 2015 |
| Watershed Studies Institute Symposium | Oral Presentation | 2014 |
| Murray State University Scholars Week | Poster Presentation | 2014 |
| Murray State University Scholars Week | Poster Presentation | 2013 |

Media Appearances

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| MSU Graduate School 3-Minute Thesis | Media Appearance | 2018 |
| MSU FWRC Annual Report | Student Spotlight | 2018 |
| For the Love of Animals – Gone Fishin’ II | Media Appearance | 2014 |
| For the Love of Animals – Gone Fishin’ I | Media Appearance | 2013 |

OTHER PROFESSIONAL ACTIVITIES

Working Groups

“Southern Brook Lamprey Research Group”. *Mississippi State University, Department of Wildlife, Fisheries, and Aquaculture.*

“Developing Bankfull Regional Curves: A First Step to Restore Streams Functionality in Mississippi”. *Mississippi State University, Department of Civil and Environmental Engineering.*

Professional Organization Membership

Ecological Society of America (ESA)
National Science Teachers Association (NSTA)
American Fisheries Society (AFS)