

## Reid Morehouse

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### Educational Background

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**Doctoral Program** - Zoology, Oklahoma State University, Stillwater, Oklahoma. Title: Oklahoma Crayfish: distribution, ecology and evolution. June 2010 - Present.

**Master's of Science** - Zoology, Oklahoma State University, Stillwater, Oklahoma, Thesis Title: "Stoichiometry in a benthic invasive: Exploring how stoichiometric imbalances with algal resources affect zebra mussel (*Dreissena polymorpha*) growth and condition" Completed May, 2010.

**Bachelors of Science** - Fisheries and Aquatic Sciences, Purdue University, West Lafayette, Indiana, Completed December, 2006.

### Professional Experience

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06/10 to Present. Research Assistant. Oklahoma State University, Stillwater, Oklahoma.  
Conducting research focusing on reservoir nutrient patterns and statewide surveys of stream fish and crayfish distributions examining the biology and ecology within the systems.

08/11-12/11. Teaching Assistant. Oklahoma State University, Stillwater, Oklahoma. Taught Introductory Biology laboratories and was Preparation TA.

06/08-05/10. Research Assistant. Oklahoma State University, Stillwater, Oklahoma.  
Conducted research focusing on stoichiometrical imbalances and constraints of zebra mussels.

06/08-05/10. Teaching Assistant. Oklahoma State University, Stillwater, Oklahoma.  
Taught Animal Biology laboratories for 3 semesters and was the Lead Preparation TA for the class 1 semester. Conducted research focusing on stoichiometry of zebra mussels.

05/07 to 05/08. Fisheries/Aquatic Biologist. Aquatic Control Inc. Seymour, Indiana.  
Managed ponds and lakes for fish and vegetation for private owners and managed vegetation for Indiana DNR in public lakes and reservoirs.

01/07 to 04/07. Fisheries Biologist. Southeastern Pond Management. Jackson, Tennessee.  
Managed ponds and lakes for fish and vegetation for private owners.

01/07 to 06/07. Undergraduate Research. Purdue University. Age and Growth of Stunted versus Non-Stunted Largemouth Bass Populations in Northeastern Indiana Lakes. Compared dorsal spines, pectoral fins, and scales for non-lethal ways to accurately age largemouth bass.

05/05 to 07/05. Fisheries Biologist Aide. Indiana Department of Natural Resources. Winslow, Indiana.  
Assisted District Biologist with managing state owned properties for fish and vegetation.

### Grants

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Tobler, M.T. and **R.L. Morehouse**. June 1, 2011 - May 31, 2014. Title: Determining factors affecting the distribution of endangered fish and crayfish species with emphasis on the Ozark region in Northeastern Oklahoma. Oklahoma Department of Wildlife Conservation (ODWC) - \$99,888 (3 years).

**Morehouse, R.L.** 2006. Non-lethal methods for aging Largemouth Bass. Purdue University - Undergraduate Research. \$500.

**Morehouse, R.L.** 2006. Establishment of a Bluntnose Minnow population. Purdue University - Undergraduate Research. \$500.

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### Honors and Awards

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2012 Zoology Graduate Student Society Outstanding PhD Student Award - \$500

2011 Nancy Randolph Davis Scholarship (OSU) - \$1000

2010 S.L. "Bud" Burkes Research Grant (Dept. of Zoology- OSU) - \$600

2010 American Society of Limnology and Oceanography Student Travel Award-\$200

2009 Wilhm Teaching Assistant Award (Dept. of Zoology- OSU) - \$650

2009 Graduate School Summer Fellowship Award (OSU) - \$2000

2009 Waters Grant-in-Aid of Research (Dept of Zoology-OSU) - \$250

2003 to 2004 Best new member award for Purdue University Sub-unit of the American Fisheries Society.

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### Publications

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**Morehouse, R.L.** and M. Tobler (Submitted to *Biological Invasions*). Predicting invasion success of the Rusty crayfish (*Orconectes rusticus*): Testing model accuracy and differential predictions using native and invasive occurrence data

**Morehouse, R.L.**, M. Papes, and M. Tobler. (Submitted to *Southwestern Naturalist*). Predicting and mapping the potential distribution of the Painted Devil Crayfish, *Cambarus ludovicianus* Faxon (Decapoda: Cambaridae)

**Morehouse, R.L.**, A.R. Dzialowski, and P.D. Jeyasingh. (Submitted to *Oecologia*). Negative impacts of excess dietary phosphorus on zebra mussel (*Dreissena polymorpha*) performance.

**Morehouse, R.L.**, S. Donabauer, A. Grier. (Submitted to *North American Journal of Fisheries Management*). Comparison between non-lethal ageing structures in largemouth bass (*Micropterus salmoides*) from stunted and non-stunted populations.

Simon, T. P., C. C. Morris, S. C. Worden, and **R. Morehouse**. (Submitted to *Indiana Academy of Sciences*). Physical and chemical limnology of three lakes in Hoosier National Forest, Perry County, Indiana.

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### Oral and Poster Presentations

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2011 Stoichiometric constraints driven by excessive phosphorus negatively impacts zebra mussel performance. Oklahoma - Texas Aquatic Research Group Triennial Conference, Lake Texoma, OK. - Oral Presentation

2011 Stoichiometric constraints driven by excessive phosphorus negatively impacts zebra mussel performance. Biochemistry and Molecular Biology Symposium. Oklahoma State University, Stillwater, OK. - Oral Presentation

- 2010 Limnological characteristics, trophic status, and contaminants in Grand Lake, OK: Current trends and comparisons with past survey data. Grand Lake Watershed Conference, Langley, OK. - Oral Presentation
- 2010 Stoichiometry in a benthic invasive: Effects of food quality and quantity on zebra mussel (*Dreissena polymorpha*) growth and condition. North American Benthological Society and American Society of Limnology and Oceanography Joint National Meeting, Santa Fe, NM. - Poster Presentation

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### **Teaching Experience**

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- 2012 (Spring) Invited guest Lecture for Environmental Biology (Invasive Species)
- 2011 (Fall) Teaching Assistant for Introductory Biology (2 labs)
- 2010 (Spring) Invited guest Lecture for Environmental Biology (Invasive Species)
- 2010 (Spring) Invited guest Lecturer for Management of Aquatic Invasive Species (Vegetation portion)
- 2008 - 2010 Teaching Assistant for Animal Biology Lab/ Preparation T.A. (3 labs per semester)
- 2006(Fall) Teaching Assistant for "Aquatic Animal Health, FNR 598". Provided live fish and reptile specimens for dissections and parasite detections.

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### **Professional Memberships and Affiliations**

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- 2011 to Present Southwestern Association of Naturalists
- 2010 to Present North American Benthological Society
- 2010 to 2011 American Society of Limnology and Oceanography
- 2006 to Present National American Fisheries Society
- 2008 to Present Zoology Graduate Student Society (ZoGSS)
- 2008 to Present Oklahoma Chapter of the American Fisheries Society
- 2008 to Present Oklahoma State Sub-unit of the American Fisheries Society
- 2003 to 2008 Indiana Chapter of the American Fisheries Society
- 2003 to 2006 Purdue University Sub-unit of the American Fisheries Society
- 2003 to 2004 Purdue University, Dept. of Forestry and Natural Resources Student Council

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### **Professional/ Community Service**

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*Professional Service*

2010 to Present	Zoology Graduate Student Society (ZoGSS) - President
2009 to 2010	Zoology Graduate Student Society (ZoGSS) - Vice President, Chair for Seminar/Award/ Planning Committees
2005 to 2006	Vice President of the Purdue University Sub-unit of the American Fisheries Society.
2004 to 2006	Committee Chair of; Pond consulting, Martell Habitat Project, Aquarium, Fundraising, and Apparel design committees for the Sub-unit of AFS, Purdue University.

*Community Service*

2011(Fall)	Crayfish of Oklahoma and crayfish biology. Martin Park and Nature Center Seminar Series. Oklahoma City, OK. - Invited guest speaker
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