

## **Eric K. Moody**

Arizona State University School of Life Sciences  
427 E. Tyler Mall LSA 189, Tempe, AZ 85287  
eric.k.moody@asu.edu

---

### **EDUCATION**

In Progress, Ph.D., Biology, Arizona State University, Tempe, AZ  
Co-Advisors: Dr. James Elser & Dr. John Sabo  
Committee: Dr. Michael Angilletta, Dr. Krista Capps, & Dr. James Collins

2012 Masters of Science, Biology, Arizona State University, Tempe, AZ  
Advisor: Dr. John Sabo  
Committee: Dr. James Collins & Dr. Julie Stromberg

2009 Bachelors of Science, Zoology & Biological Aspects of Conservation, University of Wisconsin-Madison, Madison, WI  
Advisors: Dr. Jim Kitchell & Dr. Jake Vander Zanden

### **PEER-REVIEWED PUBLICATIONS**

#### **Accepted**

**Moody E.K.**, J.R. Corman, J.J. Elser, & J.L. Sabo. In Press. Diet composition affects the rate and N:P ratio of fish excretion. *Freshwater Biology*

Cline T., J.F. Kitchell, V. Bennington, G.A. McKinley, **E.K. Moody**, & B.C. Weidel. 2014. Climate impacts on landlocked sea lamprey: Implications for host-parasite interactions and invasive species management. *Ecosphere* 5: 68.

**Moody E.K.** & J.L. Sabo. 2013. Crayfish impact desert river ecosystem function and litter-dwelling invertebrate communities through association with novel detrital resources. *PLoS One* 8: e63274.

**Moody E.K.** & C.A. Taylor. 2012. Red swamp crawfish (*Procambarus clarkii*) discovered in the San Pedro River, Arizona: A new invader in a threatened ecosystem. *The Southwestern Naturalist* 57: 343-344.

**Moody E.K.**, B.C. Weidel, T.D. Ahrenstorff, W.P. Mattes, & J.F. Kitchell. 2011. Evaluating the growth potential of sea lampreys (*Petromyzon marinus*) feeding on siscowet lake trout (*Salvelinus namaycush*) in Lake Superior. *Journal of Great Lakes Research* 37: 343-348.

#### **In Review**

Vander Zanden M.J., M.K. Clayton, **E.K. Moody**, C.T. Solomon, & B.C. Weidel. In Revision.  
Predicting stable isotope turnover and half-life in animal tissues. *PLoS One*

## **OTHER PUBLICATIONS**

**Moody E.K.** 2014. Waiting for fish to pee in the Mexican desert. *Livebearers* 224: 10-12.

## **GRANTS AND AWARDS**

### **Funded Research Grants and Fellowships**

2014	ASU School of Life Sciences Facilities Grant	\$700
2014	Smithsonian Tropical Research Institute Fellowship	\$3,800
2013	ASU-STRI Collaborative Research Grant (w/ J. Elser (Lead PI), J. Sabo, B. Turner, A. Rugenski, & M. Whiles)	\$209,800
2013	Western Alliance to Expand Student Opportunities Award (w/ J. Ramos (Lead PI) & J. Corman)	\$1,900
2013	ASU GPSA JumpStart Grant	\$500
2013	Society for Freshwater Science Endowment Award	\$1,000
2013	Smithsonian Tropical Research Institute Fellowship	\$6,200
2012	T&E Inc. Grant for Conservation Biology (Lead PI w/ J. Corman & J. Ramos)	\$2,400
2012	ASU School of Life Sciences Research Fellowship	\$10,000
2011	Arizona Water Association Scholarship	\$250
2008	UW-Madison Center for Limnology Chase-Noland Award	\$800

### **Awards and Other Honors**

2014	Desert Fishes Council Student Travel Award	\$200
2014	ASU GPSA Travel Grant	\$950
2014	ASU School of Life Sciences Conference Travel Grant	\$400
2014	ASU College of Liberal Arts and Sciences Graduate Excellence Award	\$250
2013	ASU School of Life Sciences Conference Travel Grant	\$400
2012	Society for Freshwater Science Board of Directors Grant (co-PI w/ T. Cline)	\$300
2012	SFS Best Presentation Involving Crayfish Award	\$150
2012	NSF Graduate Research Fellowship Honorable Mention	
2012	ASU School of Life Sciences Conference Travel Grant	\$400
2011	ASU School of Life Sciences Conference Travel Grant	\$400
2009	Friends of Madison Student Radio Bruce Ravid Award	

2009 Wisconsin Broadcasters Association Student Award:  
3<sup>rd</sup> Place Best Radio News Story

## CONTRIBUTED PRESENTATIONS

¶ poster      † invited      ‡ won award      \* undergraduate author

### First-Authored Conference Presentations

**Moody, E.K.**, J.R. Corman, H. Espinosa-Perez, J. Ramos, & J.J. Elser. 2014. Thermal effects on body size and stoichiometry: A case study in a desert spring fish, *Gambusia marshi*. Desert Fishes Council Annual Meeting, Los Cabos, Baja California Sur, Mexico, November 2014.

**Moody, E.K.**, J.R. Corman, H. Espinosa-Perez, J. Ramos, & J.J. Elser. 2014. Thermal effects on body size and stoichiometry: A case study in a desert spring fish, *Gambusia marshi*. Fourth Symposium on Viviparous Fishes, Morelia, Michoacán, Mexico, November 2014.

†**Moody, E.K.**, J.R. Corman, J.J. Elser, & J.L. Sabo. 2014. Do you excrete what you eat? New insights from a meta-analysis of diet manipulations. Joint Aquatic Sciences Meeting, Portland, OR, May 2014.

**Moody, E.K.**, J.R. Corman, H. Espinosa-Perez, Z. Lee, N.M. Nevarez\*, J. Ramos, & J.J. Elser. 2013. To pee P or not to pee P? Excretion rates of the robust gambusia, *Gambusia marshi*, across a water chemistry and resource quality gradient. Desert Fishes Council Annual Meeting, Flagstaff, AZ, November 2013.

¶**Moody, E.K.**, J.R. Corman, Z. Lee, N. Nevarez\*, & J.J. Elser. 2013. To pee P or not to pee P? Rapid response of mosquitofish excretion stoichiometry to nutrient availability. Society for Freshwater Science Annual Meeting, Jacksonville, FL, May 2013.

‡**Moody, E.K.** & J.L. Sabo. 2012. Crayfish like it salty: Impacts of an introduced omnivore on leaf litter breakdown of varying riparian plant species in a semiarid river. Society for Freshwater Science Annual Meeting, Louisville, KY, May 2012.

†**Moody, E.K.**, K.A. Wyant, & J.L. Sabo. 2011. Water availability alters riparian arthropod community composition and biomass along montane intermittent streams. 11<sup>th</sup> Biennial Conference of Research on the Colorado Plateau, Flagstaff, AZ, October 2011.

**Moody, E.K.**, B.C. Weidel, T.D. Ahrenstorff, T.J. Cline, W.P. Mattes, & J.F. Kitchell. 2011. Out in the cold: Effects of differing host temperatures on sea lamprey (*Petromyzon marinus*) growth. Ecological Society of America Annual Meeting, Austin, TX, August 2011.

¶**Moody, E.K.**, B.C. Weidel, & J.F. Kitchell. 2010. Sea lamprey in flux: Climate influences host selection in the world's largest and fastest warming lake. Association for the Sciences of

Limnology & Oceanography/North American Benthological Society joint meeting, Santa Fe, NM, June 2010.

### **Public/Institutional Presentations**

¶Brundage, M.\*, J. Corman, **E. Moody**, J. Elser, & J. Sabo. 2014. Nutrient limitation and its effect on decomposition in travertine-forming streams in Southern Arizona. ASU School of Life Sciences Undergraduate Poster Symposium, Tempe, AZ, April 2014.

¶**Moody, E.K.**, F. Alda, J.J. Elser, & J.L. Sabo. 2014. Interspecific variation in armored catfish body and excretion stoichiometry. Smithsonian Tropical Research Institute Fellows Symposium, Panamá City, Panamá, March 2014.

¶**Moody, E.K.**, J.R. Corman, Z. Lee, N. Nevarez\*, & J.J. Elser. 2013. To pee P or not to pee P? Rapid response of mosquitofish excretion stoichiometry to nutrient availability. SWARM-AAAS Water Forum, Tempe, AZ, November 2013.

¶**Moody, E.K.**, J.R. Corman, Z. Lee, N. Nevarez\*, & J.J. Elser. 2013. To pee P or not to pee P? Rapid response of mosquitofish excretion stoichiometry to nutrient availability. Smithsonian Tropical Research Institute Fellows Symposium, Panamá City, Panamá, March 2013.

¶Patnode, C.\*, **E. Moody**, J. Corman, N. Nevarez\*, J. Elser, & J. Sabo. 2012. How does travertine deposition influence ecosystem processes in semiarid streams? ASU School of Life Sciences Undergraduate Poster Symposium, Tempe, AZ, March 2012.

†**Moody, E.K.** 2011. Community composition and diversity patterns of aquatic and riparian arthropods of the Huachuca Mountains. The Nature Conservancy Ramsey Canyon Preserve, Hereford, AZ, October 2011.

### **TEACHING EXPERIENCE**

2012-2013 Teaching Assistant, BIO 614: Biometry (4 sections total)

2010 Teaching Assistant, BIO 182: General Biology (2 sections total)

2008 Led training of new DJs on UW student radio station (WSUM 91.7 FM)

### **MENTORSHIP**

#### **Independent Project**

Michael McCartin – Secondary production of riparian arthropods along intermittent and ephemeral streams.

Chanelle Patnode – How does travertine deposition influence ecosystem processes in semiarid streams?

Nicole Wilson – Long-term monitoring of Salt River benthic macroinvertebrates.

### **Supervised Research**

Meagan Brundage, Denise Johnson, Derek Somo, Kira Sorochkina, Patricia Susanto, Martin Vega, Camille Walker

### **RESEARCH EXPERIENCE**

- 2012- ARIZONA STATE UNIVERSITY, Tempe, AZ  
*PhD Student, Sabo/Elser Labs*
- 2010-2012 ARIZONA STATE UNIVERSITY, Tempe, AZ  
*M.S. Student, Sabo Lab*
- 2010 UW-MADISON CENTER FOR LIMNOLOGY, Madison, WI  
*Research Technician, Kitchell Lab*
- 2009 UW TROUT LAKE STATION, Boulder Junction, WI  
*Field Research Technician, North Temperate Lakes LTER*
- 2009 UW-MADISON CENTER FOR LIMNOLOGY, Madison, WI  
*Undergraduate Research Technician, Vander Zanden Lab*
- 2008 UW-MADISON ZOOLOGY DEPARTMENT, Madison, WI  
*Field Sampling Intern, Dodson Lab*

### **OUTREACH**

- 2013- Assistant Editor, ASU Ask-A-Biologist Podcast
- 2013 Contributor, SeriouslyFish.com (freshwater aquarium webpage)
- 2012- Co-founder and co-editor, “Making Waves”, the monthly podcast of SFS
- 2011-2012 Assistant Editor, ASU SOLS Science Studio audiocast
- 2010- Volunteer, ASU Ask-A-Biologist program
- 2009- Contributor, BugGuide.net (public arthropod identification webpage)
- 2009 Writer and editor, WI DNR Invasive Species Awareness Month Radio PSAs
- 2008-2009 Host, “Parr-fait”, Weekly student radio talk show about aquatic research

### **MEDIA COVERAGE**

“Our River: A Work in Progress.” 2012. Educational video about the San Pedro River featuring M.S. research. Friends of the San Pedro River, Sierra Vista, AZ.

“Researchers soak up data on river’s role in food chain.” 1 July 2010. Newspaper interview covering M.S. research. Sierra Vista Herald, Sierra Vista, AZ.

“Invasive species discovered in pond at Prospect.” 9 April 2010. Newspaper interview covering discovery of red swamp crayfish in DuPage County, IL. The Doings, Clarendon Hills, IL.

“School of rock: UW-Madison’s student radio kicks off the fall semester.” 5 September 2008. Newspaper interview covering radio show. The Isthmus, Madison, WI.

## **PROFESSIONAL SERVICE AND AFFILIATIONS**

### **Committee Membership**

2013-            Member, Goodeid Working Group of the American Livebearer Association  
2013-2014      IT Organizer, ASU School of Life Sciences Graduate Student Executive  
                    Committee  
2012-            Member, Society for Freshwater Science Public Information and Publicity  
                    Committee

### **Organizational Activities**

2014            Co-organizer, special session at the Joint Aquatic Sciences Meeting: “From  
                    individuals to ecosystems: Consumer driven nutrient recycling across aquatic  
                    ecosystems”  
2012-            Co-founder and co-organizer, Arizona State University Aquatic Reading Group:  
                    You, Limnology, & Eating (ARGYLE)

### **Journal Article Reviewer**

*Ecology of Freshwater Fish, Journal of Animal Ecology, Northwest Science, PLoS One, River Research and Applications*

### **Member**

American Livebearer Association  
Association for the Sciences of Limnology and Oceanography  
Desert Fishes Council  
Society for Freshwater Science

Society for Integrative and Comparative Biology