James M. Hood II

CURRICULUM VITAE

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icelandstreams.blogspot.com

EDUCATION

2010 Ph.D. Ecology, University of Minnesota – Twin Cities, Advisors: Drs. J.C. Finlay and R.W. Sterner

2000 M.A. Zoology, Miami University, Advisor: Dr. M.J. Vanni

1997 B.A. Biology (cum laude), Lawrence University

POSITIONS HELD

2016 – present Assistant Professor, Department of Evolution, Ecology, and Organismal Biology, The Ohio State University

2014 – 2015 *RANNÍS Postdoctoral Fellow,* Department of Ecology, Montana State University and Icelandic Institute of Freshwater Fisheries

2012 – 2015 *Affiliate Faculty*, Department of Ecology, Montana State University

2010 – 2013 *Postdoctoral Associate,* Department of Ecology, Montana State University (with Dr. W. Cross)

2012 *Freshwater Ecology lecturer,* Department of Ecology, Montana State University

2007 – 2010 *EPA STAR Fellow,* Department of Ecology, Evolution, and Behavior, University of Minnesota – Twin Cities

2006 – 2007 *Research Assistant,* Department of Ecology, Evolution, and Behavior, University of Minnesota – Twin Cities (with Dr. R.W. Sterner)

2006 *Research Assistant,* Department of Ecology, Evolution, and Behavior, University of Minnesota – Twin Cities (with Dr. J.C. Finlay)

2004 – 2005 *Research Assistant,* Department of Ecology, Evolution, and Behavior, University of Minnesota – Twin Cities (with Dr. C. Neuhauser)

2003 – 2005 *Teaching Assistant,* Department of Ecology, Evolution, and Behavior, University of Minnesota – Twin Cities (4 semesters total)

2001 – 2003 *Junior Scientist,* Department of Ecology, Evolution, and Behavior, University of Minnesota – Twin Cities (with Dr. R.W. Sterner)

1997 – 2000 *Research Assistant,* Zoology Department, Miami University (with Dr. M.J. Vanni)

1997 – 1999 *Teaching Assistant,* Zoology Department, Miami University (2 semesters total)

PUBLICATIONS

2015 Williamson, T.J., W.F. Cross, J.P. Benstead, G.M. Gíslason, **J.M. Hood**, A.D. Huryn, P.M. Johnson, J.R. Welter. Experimental warming alters coupled carbon and nutrient cycles in running water ecosystems. *Global Change Biology (in press)*.

Sterner, R.W., **J.M. Hood**, M.R. Kearney, D. Raubenheimer, J. Urabe. Couples that have chemistry: When ecological theories collide. *Oikos (in press)*.

Welter, J., J.P. Benstead, W.F. Cross, **J.M. Hood**, A.D. Huryn, P.M. Johnson, T. Williamson. Does N2 fixation amplify the temperature dependence of ecosystem metabolism? *Ecology. 96(3): 603-610.*

2014 Cross, W.F., **J.M. Hood**, J.P. Benstead, A.D. Huryn, D. Nelson. Interactions between temperature and ecological stoichiometry at physiological to ecosystem scales. *Global Change Biology. 21: 1025-1040.*

Hood J.M., C. McNeely, J.C. Finlay, R.W. Sterner. Selective feeding determines patterns of nutrient release by stream invertebrates. *Freshwater Science*. 33(4): 1093-1107. ***Featured article in issue.**

Benstead, J.P., **J.M. Hood**, N.V. Whelan, M.R. Kendrick, D. Nelson, A.F. Hanninen, L.M. Demi. Coupling of dietary phosphorus and growth across diverse fish taxa: a meta-analysis of experimental aquaculture studies. *Ecology*. 95: 2786-2777.

O'Gorman, O., J.P. Benstead, W.F. Cross, N. Friberg, **J.M. Hood**, P.M. Johnson, B. Sigurðsson, G. Woodward. Climate change and geothermal ecosystems: natural laboratories, sentinel systems, and future refugia. *Global Change Biology. 20: 3291-3299.*

Hood J.M., R.W. Sterner. Carbon and phosphorus linkages in *Daphnia* growth are determined by growth rate, not species or diet. *Functional Ecology. 28 (5): 1156-1165.*

PUBLICATIONS CONT.

2012 O'Gorman, D.E. Pichler, G. Adams, J.P. Benstead, H. Cohen, N. Craig, W. Cross, B.O. Demars, N. Friberg, G. Gíslason, R. Gudmundsdóttir, A. Hawczak, **J.M. Hood**, L.N. Hudson, L.S. Johansson, M.P. Johansson, J.R. Junker, A. Laurila, J.R. Manson, E. Mavromati, D. Nelson, J. Ólafsson, D.M. Perkins, O.L. Petchey, M. Plebani, D.C. Reuman, B.C. Rall, R. Stewart, M.S.A. Thompson, G. Woodward. Impacts of warming on the structure and function of aquatic communities: individual-to ecosystem-level responses. *Advances in Ecological Research*. 47: 81-176.

2011 Sterner, R.W., G.E. Small, and **J.M. Hood**. The conservation of mass. *Nature Education Knowledge* 2(1): 11.

Finlay, J.C., **J. Hood**, M. Limm, M.E. Power, J. Schade, J.R. Welter. Light mediated thresholds in stream-water nutrient stoichiometry in a river network. *Ecology* 92(1): 140-150.

2010 Schade, J.D., K. MacNeill, S.A. Thomas, F.C. McNeely, J.R. Welter, **J. Hood**, M. Goodrich, M.E. Power, J.C. Finlay. The stoichiometry of nitrogen and phosphorus spiraling in heterotrophic and autotrophic streams. *Freshwater Biology*. 56(3): 424-436.

Hood, **J.M.** and R.W. Sterner. Diet mixing: Do animals integrate growth or resources across temporal heterogeneity? *The American Naturalist*. 176(5): 651- 663. ***Thomas M. Frost Award for Excellence in Graduate Research (Awarded by Aquatic Ecology section of the Ecological Society of America)**

Persson, J., P. Fink, A. Goto, **J.M. Hood**, J. Jonas, S. Kato. To be or not to be what you eat: regulation of stoichiometric homeostasis among autotrophs and heterotrophs. *Oikos*. 119: 741-751. ***Authors contributed equally.**

2008 Sterner, R.W., T. Andersen, J.J. Elser, D.O. Hessen, **J.M. Hood**, E. McCauley, J. Urabe. Scale-dependent carbon:nitrogen:phosphorus seston stoichiometry in marine and freshwaters. *Limnology and Oceanography*. 53(3): 1169-1180.

McIntyre P.B., A.S. Flecker, M.J. Vanni, **J.M. Hood**, B.W. Taylor, S.A. Thomas. Fish distributions and nutrient recycling in a Neotropical stream: can fish create biogeochemical hotspots. *Ecology*. 89(8): 2335-2346

2006 **Hood J.M.**, S. Brovold, R.W. Sterner, M. Villar-Argaiz, K.D. Zimmer. Near-infrared spectrometry (NIRS) for the analysis of seston carbon, nitrogen, and phosphorus from diverse sources. *Limnology and Oceanography:* Methods. 4: 96-104.

2005 **Hood, J.M.**, M.J. Vanni, A.S. Flecker. Nutrient recycling by two phosphorus rich grazing catfish: the potential for phosphorus-limitation of fish growth. *Oecologia*. 146(2): 247-257.

2003 Elser J.J., K. Acharya, M. Kyle, J. Cotner, W. Makino, T. Markow, T. Watts, S. Hobbie, W. Fagan, J. Schade, **J. Hood**, R.W. Sterner. Growth rate – stoichiometry couplings in diverse biota. *Ecology Letters*. 6: 936-943.

2002 Vanni M.J., A.S. Flecker, **J.M. Hood**, J.L. Headworth. Stoichiometry of nutrient recycling by vertebrates in a tropical stream: linking species identity and ecosystem processes. *Ecology Letters*. 5(2): 285.

Flecker A.S., B.W. Taylor, E.S. Bernhardt, **J.M. Hood**, W.K. Cornwell, S.R. Cassatt, M.J. Vanni. Interactions between herbivorous fishes and limiting nutrients in a tropical stream ecosystem. *Ecology*. 83(7): 1831-1844.

1998 Frost T.M., J.P. Descy, B.T. DeStasio, G. Gerrish, **J.M. Hood**, J.P. Hurley and A. L. St. Amand. Evaluations of phytoplankton communities using varied techniques: A multi-media comparison of lakes in northern Wisconsin USA. *Verh. Internat. Verein. Limnol*. 27: 1023-1030.

MANUSCRIPTS IN PREPARATION (EXPECTED SUBMISSION IN EARLY 2016)

Hood, **J.M.**, J.P. Benstead, W.F. Cross, A.D. Huryn, P.M. Johnson, D. Nelson, C. Tran, G. Gíslason, J. Ólafsson. Experimental warming alters the coupling of carbon and nutrient fluxes. *In preparation for Nature Climate Change*.

Nelson, D., J.P. Benstead, A.D. Huryn, W.F. Cross, **J.M. Hood**, P.W. Johnson, J.R. Junker, G.M. Gíslason, J.S. Ólafsson. Experimental warming of stream ecosystem favors large-bodied taxa. *In prep for Ecology*.

GRANTS

2014 NSF: "Interactive effects of temperature and nutrient supply on the structure and function of stream ecosystems" ($1.45 million). *helped write and am senior personal

RANNÍS Postdoctoral Fellowship: "Influence of global warming on nutrient limitation and cycling in streams: Scaling patterns through time and across levels of organization" ($175,000). *RANNÍS is the Icelandic Science Foundation

2013 Idaho State University "Influence of a non-native tree (Elaeagnus angustifolia) on the role of carp in stream nutrient cycles" ($5,400).

Woodstoich III – salary to help co-organize symposium (www.woodstoich.org)

2011 Supplemental Funding for REU, Principal Collaborator

GRANTS CONT.

2009 Woodstoich II Fellowship – travel to Sendai, Japan to prepare Persson et al. 2010

2008 Travel Grant (Dept. of Ecology, Evolution, and Behavior; U. of MN)

Dayton-Wilkie Natural History Funds (~$850)

University of Minnesota Thesis Research Grant ($2,500).

Art Shanty Project ($800, www.artshanties.com)

BESTNET Fellowship – funds to attend DIVERSITAS meeting in Seattle, WA

2007 EPA STAR Fellowship ($111,000)

2005 Dayton-Wilkie Natural History Funds (~$500)

2004 Dayton-Wilkie Natural History Funds (~$500)

AWARDS

2011 Thomas M. Frost Award for Excellence in Graduate Research
(awarded by the Aquatic Ecology section of the Ecological Society of America for Hood and Sterner 2010)

2004 American Society of Limnology and Oceanography Student Poster Award

TEACHING EXPERIENCE

Lecturer:
- Freshwater Ecology (Fall 2012), Montana State University, co-taught class.

Guest Lecturer:
- Biogeochemistry (Spring 2015), Montana State University
- Biogeochemistry (Spring 2014), Montana State University
- Biogeochemistry (Spring 2013), Montana State University
- Stream Ecology (Fall 2004), University of Minnesota – Twin Cities
- Limnology (Fall 1999), Miami University

Guest Laboratory Instructor:
- Limnology (Fall 2011), University of Iceland (Reykjavik, Iceland)
- Biology (Fall 2009), Mounds Park Academy (private high school, Saint Paul, MN)
- Biogeochemistry (Fall 2009), Saint Olaf College (Northfield, MN)

Teaching Assistant:
- University of Minnesota: Limnology (Fall 2003), Modeling Plankton Dynamics (Spring & Fall 2004-2005), Ecology (Fall 2005).
- Miami University: Biology (Fall 1997), Limnology (Fall 1999)

*Undergraduate Student Research Mentoring (*poster, †thesis):*
- Montana State University: Adam Toomey (2011) and Brooke Weigel* (2011), Ryan McClure* (2012)
- University of Minnesota: Brian Gallagher (2008), Bill Siemers (2008), Tyler Moen† (2007), Lindsay Hess* (2005), Sharolyn Kawakami* (2005), Mark Lubke* (2005), Grant Peterson* (2005), Ryan Peterson* (2005), Kyle Shull* (2004)

Science Fair Mentoring:
- Chief Joseph Middle School (Bozeman, MT): Michelle Darvis (2013)

Ph.D. Student Committee Member:
- Jim Junker (Montana State University)

COMMUNITY, UNIVERSITY, AND PROFESSIONAL SERVICE

Lead organizer of Institute on Ecosystems Postdoctoral Association (Montana State University)

Postdoctoral coordinator for Woodstoich III (August 2013 – August 2014), an international conference on ecological stoichiometry for early career scientists (August 2014, near Sydney, Australia)

Peer Review for: The American Naturalist, Ecology, Ecology and Evolution, Ecology Letters, Ecosphere, Ecosystems, Freshwater Biology, Freshwater Science, Functional Ecology, Hydrobiologia, Journal of Applied Ecology, Journal of the North American Benthological Society, Limnology and Oceanography, Oecologia, Oikos, Journal of Plankton Research

COMMUNITY, UNIVERSITY, AND PROFESSIONAL SERVICE CONT.

Science Shanty Project (community outreach): Part of Art Shanty Project (Minneapolis, MN; www.artshanties.com), introduced visitors to aquatic organisms, ecology, and aquatic environmental issues. Participant in 2006 and 2008, organizer in 2007 (recipient of $800 grant from Art Shanty Project).

Prospective Graduate Student Welcome Week Coordinator, Department of Ecology, Evolution, and Behavior; University of Minnesota – Twin Cities (2006).

PROFESSIONAL SOCIETY MEMBERSHIPS

Ecological Society of America (ESA), Society for Freshwater Science (formally NABS), American Society of Limnology and Oceanography (ASLO)

INVITED SEMINARS

2015 University of Illinois at Urbana-Champaign (Champaign, IL): "Influence of temperature and nutrient supply on aquatic systems: scaling from individuals to ecosystems"

The Ohio State University (Columbus, OH): "Influence of temperature and nutrient supply on aquatic systems: scaling from individuals to ecosystems"

2014 Utah State University (Logan, UT): "Influence of temperature and nutrient supply on aquatic systems: scaling from individuals to ecosystems"

Veiðimálastofnun (Institute of Freshwater Fisheries, Reykjavik, Iceland): "A bayesian approach for estimating whole-stream metabolism"

Charles Darwin University (Darwin, Australia): "Influence of temperature and nutrient supply on aquatic systems: scaling from individuals to ecosystems"

University of Alabama (Tuscaloosa, AL): "Influence of temperature and nutrient supply on aquatic systems: scaling from individuals to ecosystems"

2012 Gordon Research Seminar, Metabolic Basis of Ecology: "Influence of temperature on whole-stream nitrogen uptake rates: A unique natural experiment"

2010 Veiðimálastofnun (Institute of Freshwater Fisheries, Reykjavik, Iceland): "Consumer stoichiometry: spatial patterns, degree of homeostasis, and links with competitive ability"

Montana State University (Bozeman, MT): "Consumer stoichiometry: spatial patterns, degree of homeostasis, and links with competitive ability"

2009 Saint Olaf College (Northfield, MN): "Controls of consumer C:N:P in complex and dynamic ecosystems"

2000 Wright State University (Dayton, OH): "The role of nutrient regeneration by fish in a Neotropical stream"

PRESENTATIONS (*UNDERGRADUATE STUDENT AUTHORS)

2014 **Hood J.M.**, J.P. Benstead, W.F. Cross, A.D. Huryn, D. Nelson, P.W. Johnson, J.R. Junker, G.M. Gíslason, J.S. Ólafsson. Influence of warming on nitrogen and phosphorus uptake and kinetics: results from a whole-strean warming experiment. Joint Aquatic Sci ences Meeting (Portland, OR).

Williamson, T.J., W.F. Cross, J.R. Welter, J.P. Benstead, **J.M. Hood**, A.D. Huryn, P.W. Johnson. Warming alters the functional composition and stoichiometry of aquatic biofilms. Joint Aquatic Sciences Meeting (Portland, OR).

Nelson, D., J.P. Benstead, W.F. Cross, A.D. Huryn, **J.M. Hood**, P.W. Johnson, J.R. Junker, G.M. Gíslason, J.S. Ólafsson. Effects of experimental whole-stream warming on benthic invertebrate community structure. Joint Aquatic Sciences Meeting (Portland, OR).

Cross W.F., J.P. Benstead, A.D. Huryn, **J.M. Hood**, J.R. Welter, J.R. Junker, D. Nelson, P.W. Johnson, G.M. Gíslason, J.S. Ólafsson. Towards understanding short- and long-term responses to warming unising a natural geothermal laboratory. Joint Aquatic Sci ences Meeting (Portland, OR).

Junker, J.R., W.F. Cross, J.P. Benstead, A.D. Huryn, **J.M. Hood**, D. Nelson, G.M. Gíslason, J.S. Ólafsson. Effects of temperature on

energy and element storage in stream ecosystems. Joint Aquatic Sciences Meeting (Portland, OR).

Welter, J.R., Williamson, T.J., Cross, J.R., **Hood, J.M.**, Benstead, J.P., Huryn, A.D., Johnson, P.W., A.M. Ahles*, J.B. Goldschmidt*. Nitrogen fixation amplifies the temeprature-dependence of primary production in streams. Joint Aquatic Sciences Meeting (Port land, OR).

PRESENTATIONS (*UNDERGRADUATE STUDENT AUTHORS) *CONT.*

2013 Sterner, R.W., **Hood, J.M.** Ecological Stoichiometry: Spatial aspects at small and large scale. Plenary-Symposium for European Freshwater Sciences (Munster, Germany).

Hood, J.M., W.F. Cross, J.P. Benstead, A.D. Huryn, J.R. Welter, J. Junker, D. Nelson, J.S. Ólafsson, G.M. Gíslason. Patterns of nitrogen and phosphorus uptake across a thermal gradient of subarctic streams. Society for Freshwater Science (Jacksonville FL).

2013 cont. Nelson, D., J.P., Benstead, W.F. Cross, A.D. Huryn, **J.M. Hood**, P.W. Johnson, J.R. Junker, G.M. Gíslason, J.S. Ólafsson. Experimental whole-stream warming increases algal standing crop but reduces consumer biomass. Society for Freshwater Science (Jacksonville FL).

Welter, J.R., D.R. Sander, B.D. Lawrence, P.C. Furey, **J.M. Hood**. Effect of temperature on N2-fixation rates and N2-fixer species assemblages in streams in the Hengill region of Iceland. Society for Freshwater Science (Jacksonville FL).

Junker, J.R., W.F. Cross, J.P. Benstead, A.D. Huryn, **J.M. Hood**, D. Nelson, J.S. Ólafsson, G.M. Gíslason. Patterns of epilithic C:N:P stoichiometry across a natural temperature gradient in Icelandic streams. Society for Freshwater Science (Jacksonville FL).

Nelson, D., J.P., Benstead, W.F. Cross, A.D. Huryn, **J.M. Hood**, P.W. Johnson, J.R. Junker, G.M. Gíslason, J.S. Ólafsson. Experimen tal whole-stream warming increases algal standing crop but reduces consumer biomass. American Society for Limnology and Oceanography (New Orleans, LA).

2012 **Hood, J.M.**, W.F. Cross, J.P. Benstead, A.D. Huryn, J. Junker, D. Nelson, J.S. Ólafsson, G.M. Gíslason. Influence of temperature on whole-stream nitrogen uptake rates: A unique natural experiment. Gordon Research Conference on the Metabolic Basis of Ecology (Biddeford, ME).

Weigel, B.W.*, **J.M. Hood**, W.F. Cross, A.E. Toomey*, J.P. Benstead, A.D. Huryn. Influence of temperature on benthic metabolism and nutrient uptake across a gradient of geothermally heated streams. Sponsored by the Society for Freshwater Sciences (SFS).

2011 **Hood, J.M.**, J.C. Finlay, B. Gallagher*, J. Schade, R. Stark. Longitudinal variation in fine particulate organic matter (FPOM) stoichiometry, metabolism, and uptake. North American Benthological Society (Providence, RI).

2010 **Hood, J.M.**, R.W. Sterner. Phosphorus homeostasis and fitness in variable environments. Gordon Research Conference on the Metabolic Basis of Ecology (Biddeford, ME).

Hood, J.M., C. McNeely, J.C. Finlay, R.W. Sterner. Influence of diet stoichiometry on nutrient release by invertebrates. North American Benthological Society (Santa Fe, NM).

2009 **Hood, J.M.**, R.W. Sterner. Phosphorus homeostasis and fitness in variable environments. American Society of Limnology and Oceanography (Nice, France).

2008 **Hood, J.M**, J.C. Finlay, R.W. Sterner. Patterns of caddisfly stoichiometry within riverine networks: The relative importance of homeostasis, food stoichiometry, and stream size. North American Benthological Society (Salt Lake City, UT).

J.C. Finlay, **J.M. Hood**, J. Schade, J.R. Welter, C. McNeely, M.E. Power. In-stream control of stoichiometry of dissolved nutrients in a forested watershed. North American Benthological Society (Salt Lake City, UT)

2007 Finlay, J.D., M.L. Goodrich, **J. Hood**, C. McNeely, J.D. Schade, J.R. Welter. Linking watershed and reach-scale controls of dissolved and particulate nutrients in a stream network. Sponsored by the Ecological Society of America (ESA)

Hood J.M., J.C. Finlay, R.W. Sterner. Patterns of caddisfly stoichiometry within riverine networks: The importance of homeostasis, food stoichiometry, and stream size. Ecological Society of America (San Jose, CA).

McNeely, **J.M. Hood**, J.D. Schade. Excretion of limiting nutrients by grazing caddisflies. Sponsored by the Ecological Society

of America (ESA)

2005 Hess, L.*, **J.M. Hood**, R.S. Sterner. 2005. Stoichiometry of aquatic snails: Intra-and interspecific phosphorus concentration. (CBS Undergraduate poster session)

Peterson, G*., **J.M. Hood**, C. Neuhauser. 2005. The effect of cell quota on algae populations and resource competition at equilibrium: an analytical approach. (CBS Undergraduate poster session)

Lubke, M.*, **J.M. Hood**, C. Neuhauser. 2005. Grazer-induced nutrient limitation and coexistence of two producers. (CBS Undergraduate poster session May 2005)

Peterson, R.*, **J.M. Hood**, C. Neuhauser. 2005. Resource competition in a variable environment: cell nutrient quota-uptake trad eoff. (CBS Undergraduate poster session May 2005)

Kawakami, S.*, **J.M. Hood**, C. Neuhauser. 2005. Aquatic gymnastics: The effect of bacterial cell quota flexibility in competition with algae. (CBS Undergraduate poster session May 2005)

PRESENTATIONS (*UNDERGRADUATE STUDENT AUTHORS) *CONT.*

2004 Shull, K.*, **J.M. Hood**, J. Finlay. 2004. The effect of seston phosphorus on Simuliidae larvae percent phosphorus in Minnesota streams. (CBS Undergraduate poster session August 2004)

Flecker, A.S.; B. Taylor; R. Hall; A. Ulseth; **J. Hood**; M. Vanni. Migratory fishes as functional subsidies: Strong modulation of ecosystem processes in a diverse Neotropical stream. Sponsored by the Ecological Society of America (ESA).

Hood, J.M., R.W. Sterner, M. Villar-Argaiz, K.D. Zimmer. Application of near infrared spectrometry (NIRS) to the analysis of seston carbon, nitrogen, and phosphorus. American Society of Limnology and Oceanography (Savannah, GA).

2003 Sterner, R.W., **J.M. Hood**, H. Hendrixson. Organismal Stoichiometric Patterns: Intersections with Temperature and Body Size. Sponsored by the Ecological Society of America (ESA).

Sterner, R.W., **J.M. Hood**. Temperature, homeostasis, and stoichiometry: the structure of a general relation for organism growth incorporating temperature and P content. Sponsored by the American Society for Limnology and Oceanography (ASLO)

Sterner, R.W., **J.M. Hood**, R.O. Megard, J.J. Elser, M. Kyle. Temperature, Homeostasis, and Stoichiometry: The Structure of a General Relation for Growth Including Temperature and Phosphorus content. Sponsored by the International Association of Theoretical and Applied Limnology (SIL).

2001 Frost, T.M.; J.P. Descy; B.T. DeStasio, G. Gerrish; **J. Hood**; J.P. Hurley and A.L. St. Amand. Evaluations of Phytoplankton communities Using Varied Techniques: a Multi-Media Comparison of Lakes in Northern Wisconsin USA. Sponsored by the International Association of Theoretical and Applied Limnology (SIL).

Vanni, M.J.; A.S. Flecker; **J.M. Hood**. Nutrient Recycling by Consumers in a Tropical Stream: Interspecific Variation and Impacts on Algal Stoichiometry. Sponsored by American Society of Limnology and Oceanography (ASLO).

2000 Flecker, A.S., B.W. Taylor, **J.M. Hood**, E.S. Bernhard, W.K. Cornwell, S.R. Cassatt, M.J. Vanni. Context dependent interactions in a tropical stream: variation in the influence of grazing fishes and nutrients. Sponsored by the North American Benthological Society (NABS).

Hood, J.M.; M.J. Vanni; A.S. Flecker. The Role of Nutrient Regeneration by Fish in a Neotropical Stream. Ecological Society of America (Park City, UT).

Hood, J.M.; M.J. Vanni; A.S. Flecker. The Role of Nutrient Regeneration by Fish in a Neotropical Stream. Midwest Ecology and Evolution Seminar (Athens, OH).

1997 **Hood, J.M.**; B.T. DeStasio; T.M. Frost. Behavioral Flexibility of Diaptomus minutus Feeding in Lakes of the North Temperate Region. American Society of Limnology and Oceanography (Santa Fe, NM).