

# Dr. Camille McNeely

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## **Education**

University of Texas, Austin, B.S., Zoology, High Honors and Departmental Honors, 1995.

University of California, Berkeley. Ph.D., Integrative Biology, 2004. Thesis title: Herbivore Responses to Stream Size Gradients in a Northern California Watershed.

## **Honors and Fellowships**

Spring 2004 President's Award. North American Benthological Society award for outstanding graduate student research.

Spring 2003 Outstanding Graduate Student Instructor Award, University of California, Berkeley.

1997-2001 National Science Foundation Pre-Doctoral Fellowship.

1997-2001 Berkeley Fellowship, University of California, Berkeley.

## **Appointments**

2007 Assistant Professor, Dept. of Biology, Eastern Washington University.

2005-2006 Postdoctoral Associate, University of Minnesota, St. Anthony Falls Laboratory.

2003-2004 Graduate Student Researcher. University of California, Berkeley.

Spring 2003 Graduate Student Instructor. Introductory Biology (Bio 1B), Department of Integrative Biology, University of California, Berkeley.

Fall 2002 Graduate Student Instructor. Ecosystems of California (IB 157), Department of Integrative Biology, University of California, Berkeley.

Spring 2001 Graduate Student Instructor. Animal Biology - A Behavioral View (IB31), Department of Integrative Biology, University of California, Berkeley.

Fall 1999 Graduate Student Instructor. Community Ecology (IB153), Department of Integrative Biology, University of California, Berkeley.

1995-1996 Staff Scientist II. Philadelphia Academy of Natural Sciences.

## **Grants**

2008 Eastern Washington University Faculty Research and Creative Works Grant.

2008 Contract from the University of California Berkeley Natural History Museums to develop field guild for aquatic invertebrates of the Angelo Coast Range Reserve, Mendocino, Co., CA.

2000-2003 C. McNeely and M.E. Power. National Science Foundation Dissertation Improvement Grant, "Role of a dominant grazing insect in a headwater stream food web".

2001 Integrative Biology Summer Research Grant, University of California, Berkeley.

2000 Integrative Biology Summer Research Grant, University of California, Berkeley.

1999 Mildred Mathias Grant for student research on the University of California Natural Reserve System.

### **Publications**

Finlay, J.C., R.R. Doucette, and C. McNeely. In review

McNeely, C. and M.E. Power. 2007. Spatial variation in caddisfly grazing regimes within a northern California watershed. *Ecology*, 88: 2609-2619.

McNeely, C., M.E. Power, and J. Finlay. 2007. Grazer traits, competition, and carbon sources to a headwater stream food web. *Ecology*,

Kronforst, M.R., L.G. Young, D.D. Kappan, C. McNeely, R.J. O'Neill, and L.E. Gilbert. 2006. Linkage of butterfly mate preference and wing color preference cue at genomic location of wingless. *Proceedings of National Academy of Sciences*, 103: 6575-6580.

McNeely, C. S.M. Clinton, and J.M. Erbe. 2006. Landscape variation in carbon sources to scraping primary consumers. *Journal of the North American Benthological Society*,

Suttle, K.B., M.E. Power, J.L. Levine, and C. McNeely. 2004. How fine sediment in riverbeds impairs growth and survival of juvenile salmonids. *Ecological Applications*

McNeely, C., and M.C. Singer. 2001. Contrasting the roles of learning in butterflies foraging for nectar and oviposition sites. *Animal Behaviour*

### **Presentations with Published Abstracts**

2008 "Drainage-area thresholds for shifting trophic interactions in the South Fork Eel River watershed," in the special session "Tipping points: searching for thresholds in stream structure and function," North American Benthological Society Annual Meeting, May 2008, Salt Lake City, Utah.

2007 "Are grazing caddisflies a source of limiting nutrients in streams?" Ecological Society of America Annual Meeting, August 2007, San Jose, California.

2007 "Excretion of limiting nutrients by stream insect grazers," Pacific Evolution and Ecology Conference, March 2007, Seattle, Washington.

2006 "Excretion of limiting nutrients by grazing and detritivorous caddisflies," North American Benthological Society Annual Meeting, June 2006, Anchorage, Alaska.

2004 "Seasonal variation in caddisfly herbivory within a forested watershed," Ecological Society of America Annual Meeting, August 2004, Portland, Oregon.

2004 "Composition of herbivore diet and benthic organic matter along a gradient of stream size and productivity within the South Fork Eel River watershed," North American Benthological Society Annual Meeting, May 2004, Vancouver, British Columbia.

2003 "Role of the armored grazer *Glossosoma penitum*

2003 "Intraspecific competition, primary productivity, and territory size in the aquatic caterpillar *Petrophila confusalis*

2002 "Caddisfly grazing in Northern California headwater streams," North American Benthological Society Annual Meeting, June 2002, Pittsburg, Pennsylvania.

1997 "Estimating total species richness in a riffle habitat of the Devil's River in arid South Texas, USA," North American Benthological Society Annual Meeting, June 1997, San Marcos, Texas.

### **Courses**

Biology III (Biol 173), Eastern Washington University. Third quarter of introductory biology sequence, focus on physiology of plants and animals.

Introduction to Biological Investigation (Biol 270), Eastern Washington University. Introductory biological laboratory focused on teaching students to apply scientific method to biological problems. Includes introductory statistics and students complete original research projects in small groups.

Invertebrate Zoology (Biol 303), Eastern Washington University. Diversity, evolutionary history, natural history, ecology and systematics of Metazoans.

Freshwater Invertebrate Zoology (Biol 481/581), Eastern Washington University. Identification, natural history, ecology, and evolution of aquatic invertebrates, including applications to biological monitoring of freshwaters. Students learn to identify invertebrates using professional-level keys and conduct a water-quality assessment of streams on the Turnbull Wildlife Refuge.

Stream Ecology (Biol 496/596), Eastern Washington University. Function of stream ecosystems and communities, includes substantial field and laboratory component with an emphasis on training students in modern methods for measuring stream ecosystem processes.

### **Memberships**

Ecological Society of America

North American Benthological Society