

# LINKAGES ACROSS LANDSCAPES: THE ECOLOGICAL ROLE OF FISH IN MONTANA



43rd Annual Meeting Feb 9 – 12, 2010  
Montana Chapter  
American Fisheries Society  
Best Western GranTree, Bozeman  
**FINAL CALL**



## **1. BOOK YOUR ROOM**

**JANUARY 15<sup>TH</sup> ENDS OUR HOLD ON A BLOCK OF ROOMS**

Filling the GranTree room block reduces costs incurred by YOUR AFS Chapter!

Contact the Best Western GranTree ASAP:

1325 N 7th Avenue, Bozeman, MT 59715

Phone: 406/587-5261 Fax: 406/587-9437

## **2. SUBMIT YOUR ABSTRACT**

**JANUARY 20<sup>TH</sup> IS THE EXTENDED DEADLINE FOR SUBMISSION**

But please don't wait until then to submit! E-mail to [todd\\_koel@nps.gov](mailto:todd_koel@nps.gov)

Thinking about putting together a mini-symposium? Contact Todd Koel at 307-344-2281

For guidance on abstract formatting, visit:

[www.fisheries.org/units/AFSmontana/abstract.html](http://www.fisheries.org/units/AFSmontana/abstract.html)

## **3. REGISTER ON-LINE**

**JANUARY 31<sup>ST</sup> ENDS THE REDUCED RATE PERIOD (SAVE \$100!)**

Late registration may not include lunches or banquet

[www.mtgs-etc.com/mtafs6.htm](http://www.mtgs-etc.com/mtafs6.htm)

Contact Leo Rosenthal with questions: (406) 751-4548; [lrosenthal@mt.gov](mailto:lrosenthal@mt.gov)

World Class Plenary Speakers – Excellent Continuing Education Workshops  
Student Mentoring Session – The Best Fisheries Science Anywhere

**All in Bozeman!**

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## **Plenary Session Speakers**

Wednesday February 10th

**Paul Schullery**

Yellowstone National Park

*Fish Culture and Human Culture: Historic Contexts of Modern  
Research and Management*

**Daniel Schindler**

University of Washington

*The Importance of Landscape- and Population Diversity for Ecosystem  
Services Associated with Fishes*

**Wyatt Cross**

Montana State University

*Relationships Between Fish and Benthic Communities: A Call for More  
Experiments in the Context of Adaptive Management*

**Merav Ben-David**

University of Wyoming

*Aquatic-Terrestrial Linkages: Formation, Importance, and Disruption*

**Charles Schwartz**

IGBST, USGS

*Ecological Importance of Cutthroat Trout to the  
Yellowstone Grizzly Bear*

**Wayne Hubert**

American Fisheries Society

*Changes in Aquatic Species Introductions with Evolution from MSY to  
Ecosystem-Based Fisheries Management*

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**Continuing Education Workshops**  
**Two Excellent Opportunities on Tuesday February 9<sup>th</sup>!**

**Workshop 1. Taxonomy and Identification of Eastern Montana Prairie Fishes: A virtual slog through the mud and incredible biodiversity of Montana's amazing prairie streams.**

Workshop: Tuesday, February 9<sup>th</sup>, 9:30am – 5:00pm

Cost: \$25 (Lunch included)

Enrollment Capacity: 30

Workshop Instructor: Dr. Robert Bramblett

Workshop Description: The course will cover the distribution, ecology, status, and identification of the 30+ species of fishes found in Montana's prairie streams. Participants will be taught identification of this diverse group of fishes using preserved specimens, and an identification key. Dr. Bramblett has a wealth of knowledge and experience in this area as he has been studying the diverse fish assemblages of eastern Montana for over 10 years. If you are from western Montana, suspend your salmocentricism for a day and join Bob for a virtual slog through the mud and incredible biodiversity of Montana's amazing prairie streams. If you are from Eastern Montana, here is a chance to brush up on or learn for the first time how to identify your little prairie buddies.

**Registration:** [www.mtgs-etc.com/mtafs6.htm](http://www.mtgs-etc.com/mtafs6.htm)

**Workshop 2. Structured Decision Making and Adaptive Management in Fishery Management:** Learn the fundamentals of this powerful framework for making fishery and human resource management decisions by applying the framework to exciting Montana fishery management case studies.

Workshop: Tuesday, February 9<sup>th</sup>, 8:00am – 5:00pm

Cost: \$25 (Lunch included)

Enrollment Capacity: 60

Workshop Instructor: Dr. Mike Mitchell, University of Montana Wildlife Coop Unit Leader

Workshop Description: Structured decision making is a general term for carefully organized analysis of problems in order to reach decisions that are focused clearly on achieving fundamental objectives. Based in decision theory and risk analysis, SDM encompasses a simple set of concepts and helpful steps, rather than a rigidly-prescribed approach for problem solving. Key SDM concepts include making decisions based on clearly articulated fundamental objectives, dealing explicitly with uncertainty, and responding transparently to legal mandates and public preferences or values in decision making; thus, SDM integrates science and policy explicitly. Every decision consists of several primary elements – management objectives, decision options, and predictions of decision outcomes. By analyzing each

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component separately and thoughtfully within a comprehensive decision framework, it is possible to improve the quality of decision-making. The core SDM concepts and steps to better decision making are useful across all types of decisions: from individuals making minor or personal decisions to complex public sector decisions involving multiple decision makers, scientists and other stakeholders. In turn, an array of simple to highly quantitative analytical methods is available for structured decision analysis. Our workshop will focus on the process of SDM and its application to real-world case studies in fisheries management.

Case Studies:

Multi-Species Sport Fish Management in Canyon Ferry Reservoir

Non-Native Lake Trout Management in Swan Lake

Controlling Non-Native Lake Trout in Yellowstone Lake

Flow Management and Restoration of Riverine Processes in the Missouri River

Additional case studies coming soon!

Please note: This workshop has required and recommended readings, which can be found at:  
[www.fisheries.org/units/AFSmontana/meeting.html](http://www.fisheries.org/units/AFSmontana/meeting.html)

Registration: [www.mtgs-etc.com/mtafs6.htm](http://www.mtgs-etc.com/mtafs6.htm)

**Schedule at a Glance (Tentative)**

Tues	Feb. 9	9:30am – 5:00pm	Workshop Session I, Montana Prairie Fishes
		8:00am – 5:00pm	Workshop Session II, Structured Decision Making
Wed	Feb. 10		Plenary Speakers Session
			Buffet Lunch
			Excom Subcommittee Meetings
			Poster Session
			Student Mentoring Session
			Evening Social
Thu	Feb. 11		Contributed Papers Session
			Business Meeting Luncheon (2 hours)
			Awards Banquet
Fri	Feb. 12		Contributed Papers Session

For additional information contact meeting chair Todd Koel ([todd\\_koel@nps.gov](mailto:todd_koel@nps.gov);  
phone 307-344-2281; fax 307-344-2211).

