

## 2012 FMCS WORKSHOP AGENDA

### Wednesday, April 18, 2012

- 3:00 pm – 6:00 pm FMCS Board Meeting  
Holiday Inn, Athena Room
- 5:00 pm – 7:00 pm Registration  
Holiday Inn, Hallway outside the Georgian Ballroom
- 5:30 pm – 8:00 pm Informal Social  
The Melting Point, 295 East Dougherty Street

### Thursday, April 19, 2012

All talks are in the Georgian Ballroom

- 8:00 am – 5:00 pm Registration  
Holiday Inn, Hallway outside the Georgian Ballroom
- 8:15 am – 8:30 am *Welcome/Call to Order and Introduction to the Workshop*  
Caryn Vaughn, FMCS President, Oklahoma Biological Survey,  
University of Oklahoma
- 8:30 am – 9:00 am *How Much Water Does a Healthy ~~River~~ Mollusk Need?*  
*Considerations for Developing Environmental Flows*  
*for Mollusk Conservation*  
Andrew Caspar, EPA Gulf Ecology Division
- 9:00 am – 9:30 am *The Environmental Flow Management Conundrum*  
Mary Freeman, USGS Patuxent Wildlife Research Center
- 9:30 am – 10:00 am *Developing the Framework for a Multi-Jurisdictional Authority to*  
*Manage Environmental Flows*  
Laurie Fowler, Odum School of Ecology, University of Georgia
- 10:00 am – 10:30 am Break
- 10:30 am – 11:00 am *Establishing Environmental Flows in Texas*  
Clint Robertson, Texas Parks and Wildlife
- 11:00 am – 11:30 am *Managing River Flows for Mussels (and Everything Else)*  
Darran Crabtree, The Nature Conservancy

- 11:30 – 12:00      *In Search of Environmental Flows for Endangered Species: the Apalachicola River Experience.*  
Karen Herrington, U.S. Fish and Wildlife Service
- 12:00 pm – 1:15 pm      Lunch (provided)  
Holiday Inn, New College Room
- 1:30 pm – 2:00 pm      *Estimation of Mussel Population Response to Hydrologic Alteration in the Apalachicola, Chattahoochee, and Flint River Basin*  
Colin Shea, Tennessee Technological University
- 2:00 pm – 2:30 pm      *Habitat Constraints Controlling Population Persistence of Freshwater Mussels: A Case Study on the Upper Delaware River*  
Heather Galbraith, USGS Northern Appalachian Research Laboratory
- 2:30 pm – 3:00 pm      *Non-lethal Assessment of Drought-related Stress in Mussels*  
Robert Bringolf, Warnell School of Forestry and Natural Resources, University of Georgia
- 3:00 pm – 3:30 pm      Break
- 3:30 pm – 5:00 pm      Panel Discussion  
All speakers and audience
- Dinner on your own
- 7:00 pm – 9:00 pm      Social with student posters  
Holiday Inn, New College Room

**Friday, April 20, 2012**

- 8:00 am – 5:00 pm      Registration  
Holiday Inn, Hallway outside the Georgian Ballroom
- 9:00 am – 10:00 am      *DOI Climate Science Centers: Adapting to Climate Change Impacts*  
Damian Shea, Biology Department,  
North Carolina State University
- 10:00 am – 10:30 am      *Hydrologic Modeling to Understand Climate Change Impacts on Stream Flow*  
Jerad Bales, USGS

- 10:30 am – 11:00 am *Breaking Traditional Barriers to Model Climate Change and Land Use Impacts on Freshwater Mussels*  
Thomas Kwak, North Carolina Cooperative Research Unit, North Carolina State University
- 11:00 am – 12:00 pm Panel Discussion  
All speakers and audience  
  
Lunch on your own
- 1:30 pm – 2:00 pm *A Framework for Ecological and Economic Valuation of Ecosystem Services: Challenges, Progress and Renewed Case for Conservation*  
Daniel Spooner, USGS Northern Appalachian Research Laboratory
- 2:00 pm – 2:30 pm *Ecosystem Service Valuations in Aquatic Systems: Not So Cut and Dry*  
Adam Riggsbee, Riverbank Ecosystems
- 2:30 pm – 3:00 pm *Marine Bivalves and Ecosystem Services: A Review of The Nature Conservancy's Role in Coastal Restoration in the US*  
Jennifer Greene, The Nature Conservancy
- 3:00 pm – 3:30 pm *Drought Reduces Ecosystem Services Provided by Freshwater Mussels*  
Caryn Vaughn, Oklahoma Biological Survey, University of Oklahoma
- 3:30 pm – 5:00 pm *Panel Discussion*  
All speakers and audience