

## **Final Announcement for the Great Plains Bioassessment Symposium!!!**

The agenda is finalized (see below), the location confirmed, and we are on our way.

The registration deadline is passed. Late registration is \$45 at the door. We are no longer accepting abstracts for oral presentations. Additional poster presentations are welcome. We have 18 technical presentations for our inaugural symposium.

We will wrap up with a workshop on developing a Standard Taxonomic Effort tool for macroinvertebrate identification in support of bioassessment in the Great Plains. Aquatic bioassessment is a primary tool of the regulatory agencies in measuring habitat health and water quality. Comparisons between bioassessment datasets are not possible without standardization; without data standardization the data become subjective. Therefore, it is paramount that taxonomic practices are standardized as they apply to bioassessment. Actions based on biological data require standards of comparability and repeatability. Therefore, there is a pressing need to formalize the rules for defining and updating standard taxonomic effort levels.

### **LOCATION:**

Nichols Hall, Apollo Room. Campus maps are available at:

<http://maps.google.com/maps?saddr=Nichols+Hall&daddr=1502+Iowa+St.+Lawrence%2CKS>

### **TIME AND DATES:**

10 August 2011, 9:00AM to 4:00PM

11 August 2011, 10:00AM to 4:00PM

### **PARKING:**

Please park in lots 206 or 300. Lot 206 is north east of Nichols Hall. Lot 300 is at the Lied Center across the street. These lots are YELLOW lots. Yellow lots are the only lots where you can park for free. Other lots require a permit, and vehicles without a proper permit will be ticketed. Additional yellow lots can be found on the map at this website: <http://www.parking.ku.edu/2010map.pdf>

### **CONTACT INFORMATION:**

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**AGENDA**  
**10 August 2011**

9:00 – 10:00

**Registration**

10:00 – 10:20

**Welcome**

10:20 – 10:40

**Role of Bioassessments in Clean Water Act Programs.** *Bruce Perkins, U.S. EPA Region 7, Kansas City, KS*

10:40 – 11:00

**The Kansas Water Office.** *Debra Baker, Environmental Scientist, Kansas Water Office, Topeka, Kansas*

11:00 – 11:20

**Introduction to the Central Plains Center for Bioassessment.** *Debra Baker, Central Plains Center for Bioassessment, Kansas Biological Survey*

11:20 – 1:00

**LUNCH BREAK**

1:00 – 1:20

**Evaluation of relations between stream biological conditions and environmental variables in urbanizing watersheds of northeastern Kansas.** *T.J. Rasmussen, B.C. Poulton, and J.L. Graham, U.S. Geological Survey, Kansas Water Science Center, Lawrence, Kansas and U.S. Geological Survey, Columbia Environmental Research Center, Columbia, Missouri*

1:20 – 1:40

**A multi-tiered approach for biological assessment of urban streams.** *Donald H. Wilkison, U.S. Geological Survey, Missouri Water Science Center-Kansas City Office*

1:40 – 2:00

**Development of multi-metric regression models for predicting macroinvertebrate response to changes in stream quality in the Blue River, Kansas and Missouri, USA.** *Poulton, B.C., Graham, J.L., and Rasmussen, T.J.; U.S. Geological Survey, Columbia Environmental Research Center, and U.S. Geological Survey, Kansas Water Science Center*

2:00 – 2:40

**BREAK**

2:40 – 3:00

**Cyanobacterial blooms: toxins, tastes, and odors.** *Jennifer L. Graham, Keith A. Loftin, Craig D. Adams, and Stephen J. Randtke; U.S. Geological Survey, Kansas Water Science Center and University of Kansas, School of Engineering*

3:00 – 3:20

**Assessing variability among hydrogeomorphic riverine wetland subclasses.** *Daniel Dvoretz, Joseph Bidwell, Craig Davis and Chris DuBois; Department of Natural Resource Ecology and Management, Oklahoma State University, School of Environmental and Life Sciences, University of Newcastle, Australia, and Oklahoma Conservation Commission*

3:20 – 3:40

**Effects of land use on aquatic invertebrate communities in depressional wetlands of north central Oklahoma.** *Micah D. Meyer and Craig A. Davis, Natural Resource Ecology and Management Department, Oklahoma State University, Stillwater, Oklahoma*

3:40 – 4:00

**Macroinvertebrate Bioassessment in Temporary Wetlands: Limitations and Opportunities.** *D. Christopher Rogers, Kansas Biological Survey*

## 11 August 2011

10:00 – 10:20

**Integrative approach for forecasting water quality within the framework of climate and land-use change in Kansas.** *Lindsey Witthaus, Val Smith, Belinda Sturm; Civil, Environmental and Architectural Engineering Department, University of Kansas*

10:20 – 10:40

**Zebra mussels in the Neosho River basin, Kansas: assessing dispersal, colonization, and reproductive chronology.** Benjamin R. Smith, Skyler E. Delmott, Jason M. Goeckler, David R. Edds; Department of Biological Sciences, Emporia State University, and Kansas Department of Wildlife, Parks & Tourism

10:40 – 11:00

**New and interesting taxonomic and ecological findings in aquatic Lepidoptera (Pyralidae).** *Don Huggins, Central Plains Center for Bioassessment, Kansas Biological Survey*

11:00 – 11:20

**Diversity of Chironomidae (Diptera) in Nebraska.** *Barbara Hayford, Department of Life Sciences, Wayne State College, Nebraska*

11:20 – 11:40

**Historical changes in the occurrence and distribution of freshwater mussels in Kansas.** *RT Angelo, MS Cringan, E Hays, CA Goodrich, EJ Miller, MA VanScoyoc, and BR Simmons, Kansas Department of Health and Environment, Kansas Department of Wildlife, Parks and Tourism*

11:40 – 1:00

**LUNCH**

1:00 – 4:00

Standard Taxonomic Effort Working Group

**An introduction to SAFIT; the Southwest Association of Freshwater Invertebrate Taxonomists.** *D. Christopher Rogers, Kansas Biological Survey*

## POSTERS

**Habitat Preference for a Nebraskan Endemic Species of Fairy Shrimp (Crustacea: Anostraca).** *William Mausbach, Wayne State College, Nebraska*

**Sediment quantity in pristine prairie streams: do burning and bison have an effect?** *Danelle M. Russell, Walter K. Dodds, Bartosz Grudzinski, Melinda D. Daniels, Kansas State University, Manhattan, KS 66506*

**Developing macroinvertebrate community metrics for water quality assessment in wetlands: an example from the impounded wetlands bordering the Great Salt Lake, Utah.** *Lawrence J. Gray, Dept. of Biology, Utah Valley University*