

## Presentations of the Mid-Continent Ecology Division

March through August 2009

- Angradi, T.R. Developing macroinvertebrate indicators for the mid-continent great rivers: Lessons from EMAP-GRE. *57th Annual Meeting of the North American Benthological Society, Grand Rapids, MI, May 17-22, 2009.* 5120
- Angradi, T.R. Development of an index of ecological condition based on macroinvertebrate assemblages. Upper Mississippi River Basin Association Workshop, Dubuque, IA, May 5-6, 2009. 5183
- Angradi, T.R. Weak effects of urbanization on macroinvertebrate assemblages in mid-continent, USA, great rivers. First Triennial Symposium for the International Society of River Science, St. Petersburg, FL, July 12-17, 2009. 5126
- Custer, T.W., C.M. Custer, P. Dummer, K.P. Kenow, M.W. Meyer, and R. Rossmann. 2009. Mercury contamination in tree swallows nesting at northern Wisconsin inland lakes that differ in methylation potential. Midwest Chapter of SETAC Meeting, La Crosse, WI, March 30-April 1, 2009. 5135
- Denny, J.S., M.W. Hornung, M.A. Tapper, P.K. Schmeider, J. Pregenzer, J. McKim IV, and D. Blakeman. Relative chemical binding affinities for trout and human estrogen receptor using different competitive binding assays. Annual Meeting of Midwest Chapter of SETAC, La Crosse, WI, March 30-April 1, 2009. 5147
- Denslow, N.D., N. Garcia-Reyero, K.J. Kroll, E.F. Orlando, K.H. Watanabe, M.S. Sepulveda, D.L. Villeneuve, E.J. Perkins, and G.T. Ankley. EE2 changes gene expression in fathead minnow testis. 15th Annual Symposium on Pollutant Responses in Marine Organisms, Bordeaux, France, May 17-20, 2009. 5124
- Embry, M.R., S.E. Belanger, T. Braumbeck, M. Halder, D. Hinton, M. Leonard, A. Lillicrap, T.J. Norberg-King, and G. Whale. The ILSI-HESI project on animal alternative needs in environmental risk assessment. VIIth World Congress on Alternatives and Animal Use in the Life Sciences, Rome, Italy, August 30-September 3, 2009. 5164
- Hill, B.H., C.M. Elonen, T.M. Jicha, D.W. Bolgrien, and M.F. Moffett. Sediment microbial enzyme activity as an indicator of nutrient limitation in the great rivers of the Upper Mississippi basin. *57th Annual Meeting of the North American Benthological Society, Grand Rapids, MI, May 17-22, 2009.* 5108
- Hoffman, A.D., T.L. ter Laak, P.N. Fitzsimmons, and J.W. Nichols. An evaluation of the venous equilibrium model for hepatic clearance using isolated perfused rainbow trout livers. SOT Annual Meeting, Baltimore, MD, March 15-19, 2009. 5082
- Hornung, M.W. and E. Burgess. Use of tandem in vitro and ex vivo assays to assess chemicals for thyroid hormone synthesis inhibition. SOT Annual Meeting, Baltimore, MD, March 15-19, 2009. 5086

- Kelly, J.R., P.M. Yurista, J. Stockwell, E.J. Isaac, S. Miller, J. Scharold, T. Corry, T. Johnson, O. Johanssen, M. Munawar, and V. Richardson. Big numbers for the big lake: A lower food web assessment of Lake Superior (2004-2006). IAGLR's 52nd Annual Conference on Great Lakes Research, Toledo, OH, May 18-22, 2009. 5107
- Kenow, K.P., M.W. Meyer, and R. Rossmann. 2009. Patterns and consequences of in ovo exposure to methylmercury in common loons. Midwest Chapter of SETAC Meeting, La Crosse, WI, March 30-April 1, 2009. 5136
- Keough, J.R. Update on ESRP wetlands program: Webinar. USEPA Ecosystem Services Research Program Lecture Series, March 25, 2009. 5146
- Kreis, R.G., X.M. Zhang, X.I.N. Zhang, E.W. Murphy, K.R. Rygwelski, R. Rossmann, G.J. Warren, P.J. Horvatin, and W. Melendez. Lake Michigan mass balance study post audit: Integrated, multi-media PCB modeling and forecasting for lake trout. IAGLR's 52nd Annual Conference on Great Lakes Research, Toledo, OH, May 18-22, 2009. 5184
- Li, Z., K.J. Kroll, N.G. Garcia-Reyero, D.L. Villeneuve, M. Sepulveda, E.D. Orlando, G.T. Ankley, N.D. Denslow, and K.H. Watanabe. 2009. Development of a computational model for female fathead minnows exposed to two endocrine disrupting chemicals. PNW-SETAC Meeting, Port Townsend, WA, April 16-18, 2009. 5143
- Lozano, S.J. and J.V. Scharold. The status of benthos in Lake Ontario. IAGLR's 52nd Annual Conference on Great Lakes Research, Toledo, OH, May 18-22, 2009. 5165
- Miller, D.H., R.G. Kreis, Jr., W.-C. Huang, and X. Xia. Application of a lower food web productivity model to investigate ecosystem level changes resulting from aquatic invasive species in Lake Michigan. 16th International Conference on Aquatic Invasive Species, Montreal, QC, Canada, April 19-23, 2009. 5069
- Nichols, J.W., G.J. Lien, A.D. Hoffman, and P.N. Fitzsimmons. Metabolism of 7-ethoxyycoumarin by isolated perfused rainbow trout livers. SOT Annual Meeting, Baltimore, MD, March 15-19, 2009. 5081
- Orlando, E., J. Thompson, M. Sepulveda, G.T. Ankley, D.L. Villeneuve, K. Watanabe, and N.D. Denslow. Short-term exposure effects of endocrine disrupting chemicals on the brain-pituitary-gonadal axis response in the fathead minnow. 42nd Annual Meeting of the Society for the Study of Reproduction, Pittsburgh, PA, July 18-22, 2009. 5148
- Pauer, J.J., A.M. Anstead, W. Melendez, and R. Rossmann. Small should be the new big: High-resolution models with small segments have big advantages when modeling eutrophication in the Great Lakes. IAGLR's 52nd Annual Conference on Great Lakes Research, Toledo, OH, May 18-22, 2009. 5110
- Pearson, M.S., T.R. Angradi, and D.W. Bolgrien. An index of ecological condition based on great river fish assemblages. Upper Mississippi River Basin Association Workshop, Dubuque, IA, May 5-6, 2009. 5161

- Pearson, M.S., T.R. Angradi, D.W. Bolgrien, and B.H. Hill. Development of an index of ecological condition based on great river fish assemblages. North American Benthological Society 57th Annual Meeting, Grand Rapids, MI, May 17-22, 2009. 5115
- Reyero, N.G., T. Habib, D.L. Villeneuve, D. Martinovic, Y. Deng, G.T. Ankley, N.D. Denslow, and E.J. Perkins. Caught in a network: Recovery from aromatase inhibition. 15th Annual Symposium on Pollutant Responses in Marine Organisms, Bordeaux France, May 17-20, 2009. 5125
- Rossmann, R. Estimation of a historic mercury load function for Lake Michigan using dated sediment cores. IAGLR's 52nd Annual Conference on Great Lakes Research, Toledo, OH, May 18-22, 2009. 5109
- Starry, M.A., J.R. Kelly, P.M. Yurista, J.V. Scharold, and T. Olsen. Defining Great Lakes shallow nearshore zones for the USEPA 2010 National Coastal Assessment. ESRI International User Conference, San Diego Convention Center, San Diego, CA, July 13-17, 2009. 5181
- Sutton, T.T., J.C. Hoffman, O.A. Bergstad, T. Falkenhaus, F. Porteiro, M. Heino, C.I.H. Anderson, J. Horne, and A. Bucklin. Trophic pathways of the mid-north Atlantic. ICES Deep-sea Symposium, Horta, Azores, Portugal, April 27-30, 2009. 5139
- Taylor, D.L., M.S. Pearson, T.R. Angradi, D.W. Bolgrien, B.H. Hill, T.M. Jicha, and M.F. Moffett. Home on the great river, part 3: An integrated habitat and hydrology index. North American Benthological Society 57th Annual Meeting, Grand Rapids, MI, May 17-22, 2009. 5185
- Trebitz, A.S., J.R. Kelly, J.C. Hoffman, G.S. Peterson, and C.W. West. 2009. Early detection monitoring approaches for exotic aquatic species in great lakes harbors and embayments. Western Great Lakes Research Conference, Ashland, WI, April 1-2, 2009. 5138
- Trebitz, A.S., J.A. Morrice, M.E. Sierszen, J.A. Thompson, and J.R. Kelly. Hydrogeomorphic and anthropogenic influences on water quality, habitat, and fish of Great Lakes coastal wetlands. Society of Wetland Scientists Meeting, Madison, WI, June 21-26, 2009. 5144
- Villeneuve, D.L. Developing the science base for predictive ecotoxicity testing. Biology Seminar, University of St. Thomas, St. Paul, MN, May 1, 2009. 5160
- Xia, X. and D.H. Miller. Spatial patterns study for sediments from Lake Michigan. IAGLR's 52nd Annual Conference on Great Lakes Research, Toledo, OH, May 18-22, 2009. 5112
- Yurista, P.M., J.R. Kelly, S. Miller, and J. Van Alstine. Spatial patterns in water quality and plankton for the US waters of nearshore Lake Huron, 2007. IAGLR's 52nd Annual Conference on Great Lakes Research, Toledo, OH, May 18-22, 2009. 5111
- Zhang, X., K.R. Rygwelski, R. Rossmann, and R.G. Kreis, Jr. A mercury transport and fate model for mass budget assessment of mercury cycling in Lake Michigan. IAGLR's 52nd Annual Conference on Great Lakes Research, Toledo, OH, May 18-22, 2009. 5114