

US EPA ARCHIVE DOCUMENT

Presentations of the Mid-Continent Ecology Division

April through September, 2015

- Angradi, T., D. Bolgrien and J. Launspach. Mapping ecosystem services in a Great Lakes estuary supports local decision-making. *IAGLR Conference, Burlington, VT, May 25-29, 2015.*
- Blackwell, B., A. Schroeder, J. Berninger, J. Cavallin, K. Lee, M. Lee, K. Jensen, M. Kahl, Z. Jorgenson, K. Houck, R. Judson, D. Villeneuve and G. Ankley. Novel approaches to effects-based monitoring: 21st century tools for bio-effects prediction and surveillance. *SETAC Europe Meeting, Barcelona, Spain, May 3-7, 2015.*
- Cavallin, Jenna, K.M. Jensen, M.D. Kahl, D.L. Villeneuve, J. Mayasich, K. Lee, A. Schroeder, E. Eid, K. Nelson, R. Milsik, B.R. Blackwell, M. Lee, J.P. Berninger, C.A. LaLone, C. Blanksma, R. Johnson and G.T. Ankley. Effects of a real-time exposure to an estrogenic effluent on reproduction in the fathead minnow (*Pimephales promelas*). *SETAC Europe Meeting, Barcelona, Spain, May 3-7, 2015.*
- Hodges, G., F. Falcian, G. Ankley, E. Butler, M. Hecker, K.E. Tollefsen, N. Garcia-Reyero, P. Kille, D. Becker, E. Brockmeier, K. Chipman, J. Colbourne, T. Collette, A. Cossins, M. Cronin, P. Graystock, S. Gutsell, D. Knapen, I. Katsiadaki, A. Lange, S. Marshall, S. Owen, E.J. Perkins, S. Plaistow, A. Schroeder, D. Taylor, M. Viant and T.H. Hutchinson. Potential roles of omics data in the use of adverse outcome pathways for environmental risk assessment. *SETAC Europe Meeting, Barcelona, Spain, May 3-7, 2015.*
- Hoffman, J., B. Monson, L. Burkhard, M. Sierszen, G. Peterson and A. Cotter. Habitat use and trophic position effects on contaminant bioaccumulation in St. Louis River Estuary fishes. *St. Louis River Summit, Superior, WI, March 31-April 1, 2015.*
- Hoffman, J.C. Principles in sampling design, lessons, and recommendations from a multi-year, multi-port surveillance program in Lake Superior. *Great Lakes Surveillance Plan Technical Briefing, Detroit, MI, June 23-24, 2015.*
- Hoffman, J.C., J.R. Kelly, G.S. Peterson, A.M. Cotter, M.A. Starry and M.E. Sierszen. Water quality conditions and food web structure in Chequamegon Bay. *Chequamegon Bay Research Symposium, Ashland, WI, April 14, 2015.*
- Hoffman, J.C., G.S. Peterson, A.M. Cotter, M. Sierszen, A. Trebitz and J.R. Kelly. Energy and nutrient flows connecting coastal wetland food webs to land and lake. *IAGLR Conference, Burlington, VT, May 25-29, 2015.*
- Jicha, T.M. Initial response of the nitrogen cycle to soil warming in northern Minnesota peatlands. *Society for Freshwater Scientist Meeting, Milwaukee, WI, May 17-21, 2015.*
- Kreis, R.G. Jr, X. Zhang, E.W. Murphy, K. Rygwelski, G. Warren, P.J. Horvatin, W. Melendez, T.M. Holsen and J.J. Pagano. Lake Michigan lake trout PCB model forecast post audit. *IAGLR Conference, Burlington, Vermont, May 25-29, 2015.*
- LaLone, C.A., G.T. Ankley and D.L. Villeneuve. Cross-species evaluation of molecular target sequence and structural conservation as a line of evidence for identification of susceptible taxa to inform toxicity testing. *Invited Expert Meeting on Revising U.S. EPA's Guidelines for Deriving Aquatic Life Criteria, Arlington, VA, September 14-16, 2015.*
- Lietz, J., T. Grayson, V. Hansen and E. Hinchey. 2010 NCCA oligochaete trophic index results to inform benthic index development for the Great Lakes. *IAGLR Conference, Burlington, VT, May 25-29, 2015.*

- Miller, D.H., J.E. Tietge, M.E. McMaster, K.R. Munkittrick and G.T. Ankley. Integrating effects based monitoring with adverse outcome pathways and population models. *COSIA Innovation Summit, Banff, AB, Canada, March 31-April 2, 2015.*
- O'Malia, E. and J.C. Hoffman. Land-use proxies for aquatic species invasions in the Laurentian Great Lakes. *Society for Freshwater Science Meeting, Milwaukee, WI, May 17-21, 2015.*
- Pauer, J. Do we have the tools and the smarts to quantify near shore conditions in Lake Michigan? *NOAA/GLELR-Great Lakes Environmental Research Lab, Ann Arbor, MI, April 30, 2015.*
- Pauer, J.J., X. Zhang, W. Melendez, P.A. DePetro and R.G. Kreis Jr. What models can teach us about watershed-nearshore relationships that observational studies cannot. *IAGLR Conference, Burlington, Vermont, May 25-29, 2015.*
- Pearson, M., D. Bolgrien, J. Launspach and G. Peterson. Using side-scan sonar to characterize and map physical habitat and anthropogenic underwater features in the St. Louis River. *St. Louis River Summit Meeting, Superior, WI, March 31-April 1, 2015.*
- Peterson, G.S., J.E. Lietz, J.C. Hoffman and E.M. Pilgrim. Morphological features to distinguish the larval stage of invasive Ruffe from native fish species. *IAGLR Conference, Burlington, VT, May 25-29, 2015.*
- Rossmann, R., E.L. Pfeiffer, J.C. Filkins and R.G. Kreis Jr. A method for estimation of historic contaminant loads using dated sediment cores. *IAGLR Conference, Burlington, Vermont, May 25-29, 2015.*
- Scharold, J.V., P.M. Yurista and J.R. Kelly. Linkages between benthic macroinvertebrate assemblages and landscape stressors in the US Great Lakes. *IAGLR Conference, Burlington, VT, May 25-29, 2015.*
- Sierszen, M. and M.R. Vinson. Examining indirect effects of lake trout recovery. *IAGLR Conference, Burlington, Vermont, May 25-29, 2015.*
- Trebitz, A. Determining detection sensitivity and methods for invertebrate sampling. *Great Lakes Surveillance Plan Meeting, Detroit, MI, June 23-24, 2015.*
- Trebitz, A., J.C. Hoffman, G. Peterson, G. Shepard, A. Frankiewicz, B. Gilbertson, V. Brady, R. Hell, H. Wellard-Kelly and K. Schmude. The faucet snail (*Bithynia tentaculata*) invades the St. Louis River Estuary. *St. Louis River Estuary Summit, Superior, WI, March 31-April 1, 2015.*
- Trebitz, A., J.C. Hoffman, G.S. Peterson and J.R. Kelly. Benthic macroinvertebrate surveys in Chequamegon Bay in support of invasive species early detection research. *Chequamegon Bay Research Symposium, Ashland, WI, April 14, 2015.*
- Trebitz, A.S., J.C. Hoffman, E. Pilgrim, G.S. Peterson and J. Lietz. Capacity for DNA-barcode based taxonomy in support of Great Lakes biological monitoring. *IAGLR Conference, Burlington, VT, May 25-29, 2015.*
- Villeneuve, D.L., G.T. Ankley, R.B. Conolly, W.-Y. Cheng, D.H. Miller, M. Mayo, E.J. Perkins, E.C. Randolph and K.H. Watanabe. Quantitative AOP linking aromatase inhibition to impaired reproduction: A case study in predictive ecotoxicology. *SETAC Europe Meeting, Barcelona, Spain, May 3-7, 2015.*