



Connecticut River Atlantic Salmon Commission
Technical Committee
Connecticut River Research Forum
March 3, 2015
MassWildlife Field Headquarters, Westborough, MA

Agenda

- 8:30-9:20 Registration, coffee
- 9:25 Opening remarks, Caleb Slater, Technical Committee Chair
- 9:30-9:55 **Multi-scale approaches to understanding environmental effects on native brook trout population persistence.** B. H. Letcher^A, R. D. Bassar^A, P. Schueller, K. Oneil^A, A. R. Rosner^A, N. Hitt^A, M. J. O'Donnell^A, T. L. Dubreuil^A, A. R. Whiteley^B, and K. H. Nislow^C
- 9:55-10:20 **North Atlantic LCC science products and Connecticut River landscape conservation design results.** S. Schwenk and A. Milliken (U.S. Fish and Wildlife Service)
- 10:20-10:45 **River herring population dynamics in freshwater ponds.** A. Jordaan^B, S. Mattocks^B, J. Rosset^B, B. Gahagan^D, A. H. Roy^{B,E}, and A. R. Whiteley^B
- 10:45-11:00 BREAK
- 11:00-11:25 **Massachusetts Division of Marine Fisheries (MADMF) small pelagic port sampling and river herring bycatch avoidance program.** B. Hoffman and B. Schondelmeier (MA Division of Marine Fisheries)
- 11:25-11:50 **Cumulative delay and passage performance of sea lamprey ascending four fishways.** T. Castro-Santos (U.S. Geological Survey/Conte Lab)
- 11:50-12:15 **Movements and fish passage of American shad tagged and released near the Connecticut River mouth during the spring migration season of 2011 and 2012.** K. Sprankle (U.S. Fish and Wildlife Service) and T. Castro-Santos (U.S. Geological Survey/Conte Lab)
- 12:15-1:00 LUNCH, provided with registration fee
- 1:00-1:25 **Physiological stress during migration and fish passage of adult American shad.** S. D, McCormick, A. Regish, and T. Castro-Santos (U.S. Geological Survey/Conte Lab)

- 1:25-1:50 **Passage method, turbine mortality, and migratory delay of silver American eels at five hydroelectric dams on the Shenandoah River.** S. Eyster (U.S. Fish and Wildlife Service), S. Welsh, D. Smith, and M. Mandt (U.S. Geological Survey)
- 1:50-2:15 **Informing design of downstream guidance structures through the use of Computational Fluid Dynamics (CFD).** K. Mulligan (University of Massachusetts/Amherst)
- 2:15-3:10 **Derivation of design criteria for nature-like fishways and control structures based on fish biometrics and swimming performance.** A. Haro (U.S. Geological Survey/Conte Lab) and J. Turek (National Oceanic Atmospheric Administration/Northeast Restoration Center)
- 3:10-3:35 **Analytical solutions to water velocities at fishway entrance gates.** B. Towler and B. Sojkowski (U.S. Fish and Wildlife Service)
- 3:35 Closing remarks, Caleb Slater

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