



Connecticut River Atlantic Salmon Commission
Technical Committee
Connecticut River Research and Management Forum
March 19, 2019
U. S. Fish and Wildlife Service Regional Office, Hadley, MA

Agenda

- 9:00-9:30 Registration (\$15 – cash or check only, day of), coffee, visit Poster Area
- 9:30-9:40 Opening remarks, Deb Rocque (USFWS Northeast Deputy Regional Director) and Caleb Slater (CRASC, Technical Committee Chair)
- 9:40-10:00 **Results of acoustic monitoring of Shortnose Sturgeon below Holyoke Dam in 2016 and 2017.** Jake Riley¹ and Nathan Henderson¹
- 10:00-10:20 **Shortnose Sturgeon passage, evaluations, study plans at Holyoke Dam and associated facilities.** Julie Crocker²
- 10:20-10:40 **Use of the Piscataqua River System by shortnose and Atlantic sturgeons**
Micah Kieffer³, Ian Trefry⁴, Gail Wippelhauser⁵, James Sulikowski⁶, Sarah Hylton⁶ Evan Ingram⁷ and Gayle Zydlewski²³
- 10:40-11:00 **Adult river herring population assessments in the lower Connecticut River basin – status and trends (2013-2018).** Kenneth Sprankle⁸ and Darren Desmarais⁸
- 11:00-11:20 BREAK – visit poster area
- 11:20-11:40 **Improving acoustic telemetry in alosines: American Shad in the Charles River and beyond.** Ben Gahagan⁹ and Michael Bailey¹⁰
- 11:40-12:00 **Alewife movement in the Concord River: a pre-restoration assessment.** Michael Bailey¹⁰ and Ben Gahagan⁹
- 12:00-12:20 **Telemetry of upstream migrant American Shad and river herring in the lower Pawcatuck River mainstem: preliminary results.** Alex Haro³, Seaver Anderson¹¹, Annie Ragan¹¹, Brett Still¹¹ and Theodore Castro-Santos³
- 12:20-1:10 LUNCH, provided with registration fee, visit posters
- 1:10-1:30 **A picture is worth a thousand words but an underwater video says it all.** Bryan Sojkowski¹²

- 1:30-1:50 **Turbine blade strike analysis model: A desktop tool for estimating mortality of fish entrained in hydroelectric turbines.** Brett Towler¹² and Jessica Pica¹²
- 1:50-2:10 **Juvenile American Shad production and assessment data in the Connecticut River mainstem from Holyoke Dam to Bellows Falls Dam (2017 and 2018).** Steven Mattocks¹³, Brian Keleher¹³, and Kenneth Sprankle⁸
- 2:10-2:30 **Fueling up: How temperature and food availability affect anadromous juvenile river herring growth and energetics.** Lian Guo¹⁴, Stephen D. McCormick^{3,14}, Eric Schultz¹⁵, Amy-Mei Lynch¹⁴, Kenneth Sprankle⁸, and Adrian Jordaan¹⁴
- 2:30-2:40 BREAK
- 2:40-2:55 **Development and maintenance of salinity tolerance in anadromous Sea Lamprey (*Petromyzon marinus*).** Ciaran A. Shaughnessy^{14,3} and Stephen D. McCormick^{3,14}
- 2:55-3:10 **Salinity tolerance in anadromous and landlocked Sea Lamprey.** Jessica Norstog^{14,3} and Stephen D. McCormick^{3,14}
- 3:10-3:25 **Osmoregulatory challenges to host Brook Trout, and parasitic feeding Sea Lamprey.** Diogo Ferreira-Martins^{14,3}, Stephen D. McCormick^{3,14} and Jonathan M. Wilson¹⁶
- 3:25-3:35 Closing remarks, Caleb Slater

Poster Presentations

- **USFWS Fish Passage Engineering Design Criteria.** Jessica Pica¹², Brett Towler¹², Bryan Sojkowski¹², Jesus Morales¹²
- **Parasitic freshwater mussel larvae attachment on river herring in Connecticut River tributaries.** Julia Cox¹⁴ and Allison Roy¹⁷
- **Quantifying Ecological Benefits of Dam Removals on Migratory Fish.** James Turek¹⁸, Gail Fricano¹⁹, Brandon Kulik²⁰, Daniel Hayes²¹, and Adrian Jordaan²²
- **Recent Flume Facility Studies at the USGS-LSC Conte Anadromous Fish Research Laboratory.** Kevin Mulligan³, Alex Haro³, Brett Towler¹², and Bryan Sojkowski¹²

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