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UNIVERSITY OF CONNECTICUT

Department of Marine Sciences
Presents a Seminar by

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River herring population dynamics: from one black box to the other.

Migratory fishes pose significant challenges to fragmented governance due to extensive migrations. Anadromous fish require movement across marine, estuarine and freshwater ecosystems for reproduction. River herring (*Alosa pseudoharengus* and *A. aestivalis*) in the Northeastern United States have experienced large reductions in potential productivity due to legacy impacts from dams and overfishing. Incidental fishing mortality, species interactions, and climate change have acted synergistically to drive further declines in abundance over the past two decades. Still, data limitations interfere with the ability to partition mortality to its correct sources and thus provide effective management advice. During this seminar, I will discuss the movement of river herring from one black box, their freshwater spawning habitat, to the other, their ocean adult habitat. I will discuss both the untapped potential, and the significant challenges to restoration, by detailing ongoing work. As we continue to shine a light on the ecology of these important coastal fish, we find a story that only deepens in complexity.

Host: Hannes Baumann

Time & Date: 11:00 am, Friday, April 14, 2017

Place: Marine Sciences Building, Seminar Room 103

Please see this [page](#) for cancelations and additional seminar information, email marinescienceseminars@uconn.edu, or call 860-405-9152 or 860-405-9151