

66th Annual  
Northeast Fish and Wildlife Conference  
Sunday, April 25 - Tuesday, April 27, 2010  
Marriott Boston Newton, Newton, Massachusetts

**Conference Theme**

*Climate Change and Wildlife Conservation - Adaptation and Mitigation*

To advance the understanding of global climate change impacts to Northeast ecosystems; to develop adaptation strategies for fisheries and wildlife conservation; and to respond to the challenges and opportunities offered by mitigation measures.

*Marine Fisheries'* sister agency, the Division of Fisheries and Wildlife will be hosting the 66th Annual Northeast Fish and Wildlife Conference at the Newton-Boston Marriot Hotel, April 25-27, 2010. This event is a gathering of natural resource professionals from Maryland to the Canadian provinces designed to provide opportunities for education, discussion, and exchanging of ideas. This year's theme is "Climate Change and Wildlife Conservation-Adaptation and Mitigation". Sessions include a Climate Change Forum, a Striped Bass Symposium and a Wildlife Damage Workshop. Technical papers and poster sessions on topics relating to wildlife, fresh water, diadromous, and marine fisheries, mapping systems, habitat management, wildlife information and education and conservation law enforcement will be presented. Fish and wildlife related vendors will be exhibiting throughout the meeting, and professional fish and wildlife groups will be meeting. Registration materials and session information is on the conference website at <http://www.neafwa.org/>.

Eight *Marine Fisheries* scientists will be presenting talks at the conference on recent work that they have completed involving diadromous fish, cod, lobster, and smooth dogfish.

Schedule:

**Marine Fisheries Session**

Tuesday, April 27, 2010

Moderator: Stephanie Cunningham

8:45 - 9:05 **Micah Dean** - Dispersal of an Atlantic cod spawning aggregation as a result of a fishery opening.

11:20 -11:40 **Derek Perry** - Seasonal variation in smooth dogfish *Mustelus canis*, catch and diet from a longline survey in Buzzards Bay, Massachusetts

1:05 - 1:25 **Kelly Whitmore** - Examining settlement dynamics of postlarval American lobster, *Homarus americanus*, in Southern New England/LMA 2

1:25 - 1:45 **Tracy Pugh** - Could a contraction in lobster (*Homarus americanus*) habitat be further exacerbating poor stock conditions in the Buzzards Bay area fishery?

## **Diadromous Fish Session**

Tuesday, April 27, 2010

Moderator: Mike Armstrong

9:05 - 9:25 **Matt Ayer** - Laboratory marking of rainbow smelt embryos and larvae and the implications for restoration

1:05 - 1:25 **Michael Armstrong** - Evidence for poor year class strength as the cause of alewife (*Alosa pseudoharengus*) spawning population declines in southern New England

1:25 - 1:45 **John Shepard** - Restoration of diadromous populations in the Acushnet River, Massachusetts: Evaluating population dynamics of river herring and American eel populations prior to and after improvements to fish passage

3:40 - 4:00 **Brad Chase** - Water Quality Monitoring at Diadromous Fish Spawning and Nursery Habitat.