

The Atlantic Salmon Ecosystems Forum
January 6-7, 2016
University of Maine, Orono, Wells Conference Center

January 6, 2016

07:00 AM-08:00 AM	Registration and Continental Breakfast
08:00 AM-08:05 AM	Opening Remarks
08:05 AM-08:10 AM	A message from U.S. Senator Angus King, Maine
08:10 AM-08:30 AM	The President's Salmon <i>Catherine Schmitt</i>
08:30 AM-09:10 AM	Keynote Address <i>Donna Wieting, Director for Protected Resources, National Marine Fisheries Service</i>
	Session I: Management, Conservation & Restoration Programs
09:10 AM-09:30 AM	Atlantic salmon – A Species in the Spotlight <i>Kimberly Damon-Randall</i>
09:30 AM-09:50 AM	Wild Atlantic salmon recovery planning: What Works? <i>Jonathan Carr</i>
09:50 AM-10:30 AM	Morning Break <i>Refreshments provided.</i>
10:30 AM-10:50 AM	Running with renewal: reflections on the Penobscot River Restoration Project's accomplishments and efforts to restore sea-run fisheries while maintaining energy production <i>Molly Payne Wynne</i>
10:50 AM-11:10 AM	The NOAA Habitat Blueprint and what's next for Penobscot River habitat restoration <i>Matt Bernier, P.E.</i>
11:10 AM-11:30 AM	Developing priorities to repair stream connectivity: lessons from collaborations in the Maine <i>Joshua Royte</i>
11:30 AM-11:50 AM	Culvert replacement cost benefits in the long term <i>Ben Naumann</i>
11:50 AM-12:10 PM	The Maine Stream Temperature Monitoring Network <i>Serena Doose</i>
12:10 PM-01:30 PM	Lunch Break
	Session II: Marine and Estuarine Ecology
01:30 PM-01:50 PM	Diadromous fish and their predators in the nearshore Gulf of Maine <i>Keri Stepanek & Christine Lipsky</i>
01:50 PM-02:10 PM	Changing trophic structure and energy dynamics in the Northwest Atlantic influences Atlantic salmon abundance <i>Timothy Sheehan</i>
02:10 PM-02:30 PM	Short-term temporal variation in West Greenland Atlantic salmon (<i>Salmo salar</i> L.) inshore/offshore feeding and trophic niche <i>Heather Dixon</i>
02:30 PM-02:50 PM	Fish behavior, presence, and distribution in relation to the Cobscook Bay Tidal Energy Project <i>Gayle Zydlewski</i>
02:50 PM-03:30 PM	Afternoon Break <i>Refreshments provided.</i>
03:30 PM-03:50 PM	From River to Ocean: implications of the shift in run-timing for Atlantic salmon post-smolts through the Gulf of Maine <i>James P. Hawkes</i>
03:50 PM-04:10 PM	Using mobile hydroacoustics to describe pelagic fish distribution in the Penobscot River Estuary <i>Justin Stevens</i>
04:10 PM-04:30 PM	Characterizing chemical and biological parameters in Penobscot Bay before, during and after the release of Atlantic salmon (<i>Salmo salar</i>) <i>Shannon Meseck</i>
04:30 PM-04:50 PM	Characterizing the Penobscot River estuarine transition zone during Atlantic salmon smolt migration <i>Rachel Lasley-Rasher</i>
04:50 PM-06:30 PM	Reception, Poster Session, and Video Session <i>Refreshments provided, cash bar available.</i>

January 7, 2016

07:00 AM-08:00 AM	Registration and Continental Breakfast
08:00 AM-08:05 AM	Opening Remarks
	Session III: Diadromous Species Ecology
08:05 AM-08:25 AM	Methodologies of acoustic telemetry tagging in American Shad (<i>Alosa sapidissima</i>) <i>Michael Bailey</i>
08:25 AM-08:45 AM	Modeling migration of silver eels to forecast critical Intervals of risk <i>Douglas B. Sigourney</i>
08:45 AM-09:05 AM	Shortnose sturgeon spawning potential in the Penobscot River after dam removals <i>Catherine Johnston</i>
09:05 AM-09:25 AM	Sea lamprey carcasses influence food webs in an Atlantic coastal stream <i>Daniel Weaver</i>
09:25 AM-09:45 AM	Size, age, and longevity of seven populations of landlocked and anadromous rainbow smelt (<i>Osmerus mordax</i>) <i>Andrew O'Malley</i>
09:45 AM-10:25 AM	Morning Break <i>Refreshments provided.</i>
10:25 AM-10:45 AM	Assessing alewife (<i>Alosa pseudoharengus</i>) movements in the St. Croix River watershed <i>Graham Chafe</i>
10:45 AM-11:05 AM	Tracking Siqonomeq (alewife) migration in the Passamaquoddy Bay <i>Asha Ajmani</i>
11:05 AM-11:25 AM	Feeding habits of juvenile alewife (<i>Alosa pseudoharengus</i>) in the Penobscot Estuary <i>Amy Webb</i>
11:25 AM-11:45 AM	Alewife (<i>Alosa pseudoharengus</i>) as marine-derived nutrient subsidies in two northeast Maine rivers <i>Betsy Barber</i>
11:45 AM-01:15 PM	Lunch Break
	Session IV: Freshwater Ecology and Passage Barriers
01:15 PM-01:35 PM	The Relative Effects of Factors on Tag Retention of Atlantic Salmon (<i>Salmo salar</i>) <i>Jason Daniels</i>
01:35 PM-01:55 PM	Post-restoration assessment of Atlantic salmon (<i>Salmo salar</i>) survival during their downstream migration in the Penobscot River, Maine <i>Alejandro Molina-Moctezuma</i>
01:55 PM-02:15 PM	Methods and results of identifying potential groundwater upwelling within Atlantic salmon juvenile rearing habitat in three Downeast Maine Salmon Rivers <i>Scott Craig</i>
02:15 PM-02:35 PM	Atlantic salmon ova planting; dispersal, density dependent growth and implications for management <i>Paul Christman</i>
02:35 PM-03:15 PM	Afternoon Break <i>Refreshments provided.</i>
03:15 PM-03:35 PM	Projected tradeoffs in population abundance of American shad (<i>Alosa Sapidissima</i>) in relation to upstream and downstream passage at dams <i>Dan Stich</i>
03:35 PM-03:55 PM	Behavior and upstream passage of Atlantic salmon at the New Milford Fish Lift on the Penobscot River, ME <i>Lisa Izzo</i>
03:55 PM-04:15 PM	Size Matters: Fishways can exert size selective pressure on Atlantic salmon migrating in the Penobscot River <i>George Maynard</i>
04:15 PM-04:35 PM	Dam removal and fish passage improvement influence fish assemblages in the Penobscot River, Maine. <i>Jonathan M. Watson</i>
04:35 PM-04:45 PM	Student Awards, Closing Remarks, & Adjourn

Poster Session:

Are the Restigouche River smolts on the menu for Double-Crested Cormorants?

Joanie Carrier

Boys chase girls? Pre-spawning movement of Atlantic salmon at low density

Danielle Frechette

Improving conservation of diadromous fish populations through habitat connectivity: the importance of swimming performance and biomechanics

Elsa Goerig

The migration behavior within fjords of Atlantic salmon

Shad K. Mahlum

The interplay of dams, marine and freshwater survival, and hatchery supplementation on the recovery potential of Atlantic salmon in Maine

Julie L. Nieland

Improving hydroacoustic data collection and processing methods to estimate fish abundance in the Penobscot River before and after dam removal

Constantin Scherelis

Collect, Analyze, Make Informed Decisions - DATA collection: A critical component in supporting a successfully operating fishway now and into the future.

Bryan Sojkowski, P.E.

Atlantic tomcod in the Penobscot Estuary

Justin Stevens

American eel survival through Milford Dam on the Penobscot River, Maine

Emily J. Thornton

Do we hit to the target? Evaluation of thermal exposure of river- and hatchery-reared juvenile Atlantic salmon prior to migration on the Narraguagus River, Maine U.S.A.

Dylan S. Whitaker

Engaging indigenous peoples to facilitate river restoration on the St. Croix, Maine/New Brunswick

Theodore Willis

On river hatchery rearing of 0+ fall parr to increase adult Atlantic salmon returns to the East Machias River, a collaborative model for salmon recovery

Kyle Winslow

The Use of Natural Markers to Investigate Habitat Use and Growth of Juvenile Alewife (*Alosa pseudoharengus*)

Greg LaBonte

Video Session:

A Culvert Story: Restoration of a Stream – Trout Unlimited, Mid-Coast Maine Chapter

The fish that feeds all – *Maine Sea Grant*

River restoration in Downeast Maine – *Maine Sea Grant*

Maintaining alewife and blueback populations – *Maine Sea Grant*

Elver economics – *Maine Sea Grant* – *Maine Sea Grant*

What if there were no river fisheries in Downeast Maine? – *Maine Sea Grant*

The St. Croix River – *Maine Sea Grant*

Harvesting alewives at Grist Mill Stream – *Maine Sea Grant*

Harvesting alewives at the Orland River – *Maine Sea Grant*