

**DRAFT AGENDA: 2014 Atlantic Salmon and Ecosystems Forum**

**January 8-9, 2014**

**University of Maine, Orono**

**Nutting Hall**

**January 8, 2014**

07:00 AM-08:00 AM **Registration and Continental Breakfast**

08:00 AM-08:15 AM **Opening Remarks**

08:15 AM-09:15 AM **Keynote Address**

*Daniel Schindler, University of Washington*

**Session I: Estuary and Marine Ecology**

09:15 AM-09:30 AM Prey availability and potential predator abundance in the Gulf of Maine.

*Keri Stepanek*

09:30 AM-09:45 AM Finfish diversity and distribution in Cobscook Bay: Anticipating broad scale changes.

*Jeffrey Vieser*

09:45 AM-10:00 AM Groundfish predation on diadromous fish in the Gulf of Maine.

*Christine Lipsky*

10:00 AM-10:15 AM Annual and seasonal changes in fish presence in the lower Penobscot River, ME, 2010-2012.

*Garrett Staines*

10:15 AM-10:30 AM Pelagic Fish biomass in the Penobscot Estuary.

*Justin Stevens*

10:30 AM-11:00 AM **Morning Break**

*Refreshments provided.*

11:00 AM-11:15 AM Exploring the importance of top-down and bottom-up drivers of mysiid shrimp distribution in the Penobscot Estuary.

*Rachel Lasley-Rasher*

11:15 AM-11:30 AM A novel investigation of Atlantic salmon post-smolt ecology during estuary transition.

*James Hawkes*

11:30 AM-11:45 AM Lessons on the migration pathways and mortality points of salmon at sea.

*Jonathan Carr*

11:45 AM-12:00 PM Migration timing of Atlantic salmon smolts from Penobscot Bay to the Scotian Shelf.

*John Kocik*

12:00 PM-01:30 PM **Lunch Break**

**Session II: Diadromous Species Ecology**

01:30 PM-01:45 PM The effects of global weather events on local anadromous fish dynamics: Tambora and the "year without a summer."

*Theo Willis*

01:45 PM-02:00 PM Assessment of coastal and anadromous brook trout in the United States.

*Merry Gallagher*

02:00 PM-02:15 PM Assessing diadromous fish restoration in the Kennebec and Androscoggin Rivers.

*Claire Enterline*

02:15 PM-02:30 PM Shortnose sturgeon in the Gulf of Maine: migration, critical habitat, and response to dam removal.

*Gail Wippelhauser*

02:30 PM-02:45 PM Wintering shortnose sturgeon (*Acipenser brevirostrum*) locations and population estimates in the Penobscot River, 2008 - 2013.

*Kevin Lachapelle*

- 02:45 PM-03:15 PM **Afternoon Break**  
*Refreshments provided.*
- 03:15 PM-03:30 PM Presence and distribution of sturgeon in the Damariscotta River estuary.  
*Kimberly Picard*
- 03:30 PM-03:45 PM Assessing microchemical analysis of dorsal scutes to infer the origins and life histories of shortnose sturgeon.  
*Matthew Altenritter*
- 03:45 PM-04:00 PM Examining patterns of marine and freshwater habitat use by juvenile blueback herring (*Alosa aestivalis*) through otolith microchemistry.  
*Molly Payne Wynne*
- 04:00 PM-04:15 PM Coming together to restore river herring throughout their range.  
*Kim Damon-Randall*
- 04:15 PM-06:15 PM **Reception & Poster Session**  
*Refreshments provided, cash bar available.*

## January 9, 2014

- 07:00 AM-08:00 AM **Registration and Continental Breakfast**
- 08:00 AM-08:05 AM **Opening Remarks**
- 08:05 AM-08:15 AM Update on the Atlantic salmon and sea-run fish restoration in Maine website.  
*Mao Lin*
- 08:15 AM-08:30 AM Diadromous Species Restoration Research Network (DSRRN)  
*Karen Wilson*
- Session III: Freshwater Ecology**
- 08:30 AM-08:45 AM Survival of Atlantic salmon smolts through a hydropower complex in the lower Penobscot River, Maine USA.  
*Dan Stitch*
- 08:45 AM-09:00 AM Size selection of adult Atlantic salmon at fish passage facilities on the Penobscot River, Maine.  
*George Maynard*
- 09:00 AM-09:15 AM Hard choices in assessing survival past dams using telemetry.  
*Joseph Zydlewski*
- 09:15 AM-09:30 AM Release site fidelity and spawning activity of Atlantic salmon translocated to novel headwater habitat within the Penobscot Basin.  
*Randy Spencer*
- 09:30 AM-09:45 AM Anadromous sea lamprey (*Petromyzon marinus*) as vectors of marine-derived nutrients: implications for dam removal and Atlantic salmon restoration.  
*Daniel Weaver*
- 09:45 AM-10:15 AM **Morning Break – refreshments provided**
- 10:15 AM-10:30 AM Effects of *D. geminata* on juvenile Atlantic salmon (*Salmo salar*) foraging behavior.  
*Carole-Anne Gillis*
- 10:30 AM-10:45 AM Environmental drivers of Atlantic salmon growth and survival: building a climate change context with hierarchical models.  
*Krzysztof Sakrejda*
- 10:45 AM-11:00 AM Stream flow and temperature effects on salmonid population dynamics: integrated modeling across scales and data types.  
*Ben Letcher*
- 11:00 AM-11:30 AM A new class of spatial statistical model for data on stream networks: overview and applications.  
*Dan Isaak*

- 11:30 AM-01:00 PM **Lunch Break**
- 01:00 PM-01:15 PM **Session IV: Applying Science to Management**
- 01:00 PM-01:15 PM Science ... Restoration: Connecting the dots.  
*Steven Koenig*
- 01:15 PM-01:30 PM What works? A workshop on wild Atlantic salmon recovery programs in North America.  
*Jonathan Carr*
- 01:30 PM-01:45 PM Applying reconciliation ecology concepts to salmonid habitat restoration and enhancement.  
*Michael Burke*
- 01:45 PM-02:00 PM Prioritizing Dams at the State level for fish passage projects to benefit diadromous fish.  
*Stephen Gephard and Sally Harold*
- 02:00 PM-02:15 PM Penobscot River Restoration Project: implementing an ecosystem approach to restoring a full assemblage of diadromous fishes including Atlantic salmon (*Salmo salar*).  
*George Aponte Clarke*
- 02:15 PM-02:30 PM Coolwater fish in a warming climate: How heat stress events affect wild juvenile Atlantic salmon (*Salmo salar*).  
*Rick Cunjak*
- 02:30 PM-03:00 PM **Afternoon Break – refreshments provided**
- 03:00 PM-03:15 PM Preliminary observations on the effects of using clam shells for acid rain mitigation in Maine salmon streams.  
*Mark Whiting*
- 03:15 PM-03:30 PM Assessing the effectiveness of “on river” hatchery reared 0+ “fall parr” to increase juvenile abundance and adult returns on the East Machias River.  
*Jacob Van de Sande*
- 03:30 PM-03:45 PM “Why bother, we can’t do anything about the ocean anyway.”  
*Timothy Sheehan*
- 03:45 PM-04:00 PM River Restoration: Art or Science?  
*Douglas Thompson*
- 04:00 PM-04:30 PM **Merging science and on the ground restoration activities using the Narraguagus River as a case study.**  
*Steven Koenig*
- 04:30 PM-04:45 PM **Closing Remarks**  
*John Kocik*