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JOSEPH E. FESSENDEN
ACTING COMMISSIONER

Fourth North American Workshop on Rainbow Smelt

At the Holiday Inn by the Bay in Portland, Maine, January 24-25, 2011

Two-Day Schedule At a Glance

Day 1:

9:00 AM—Welcome!

9:10—Intraspecific morphological divergence in freshwater and estuarine rainbow smelt (*Osmerus mordax*)

Keynote speaker, Julian Dodson, Université Laval, Québec

9:50—Rainbow smelt population monitoring on the Gulf of Maine coast of New England

Brad Chase, Massachusetts Division of Marine Fisheries, New Bedford

10:15—Population genetic structure of anadromous rainbow smelt (*Osmerus mordax*) in the Northeast U.S.

Adrienne Kovach, University of New Hampshire, Durham

10:40—Break

11:00—Relationships between watershed conditions and rainbow smelt spawning populations

Kathy Mills, University of Maine, Gulf of Maine Research Institute, Portland

11:25—Monitoring within-season spawning behavior by rainbow smelt (*Osmerus mordax*) using passive integrated transponder (PIT) systems

Claire Enterline, Maine Department of Marine Resources, Boothbay Harbor

11:50—Rainbow Smelt Culture in Recirculating Systems

David Berlinsky, University of New Hampshire, Durham

12:15 PM—Lunch

1:30—Spawning strategies and dynamics among anadromous smelts, are we aware only of the tip of the iceberg?

Frédéric Lecomte, Ministère des Ressources Naturelle et de la Faune, Québec

1:55—Ghost hunting; quantifying and localizing alternative spawning grounds used by anadromous rainbow smelt (*Osmerus mordax*)

Michel Legault, Ministère des Ressources Naturelle et de la Faune, Québec

2:20—Nuclear (AFLP) population genetic structure of the St. Lawrence estuary smelt complex

Gabriel Colbeck, Université Laval, Québec

2:45—Poster Session with refreshments

An evening social will be held on January 24 at a Portland restaurant, details to follow

Day 2:

8:30 AM—Welcome

8:35— Quantifying zooplankton consumption of larval and juvenile rainbow smelt using a mercury mass balance model

Jérôme Plourde, Université du Québec À Chicoutimi

9:00— Carrying capacity of Lake Saint-Jean for rainbow smelt

Pascal Sirois, Université du Québec à Chicoutimi

9:25— Early life history dynamics and recruitment of rainbow smelt in Lake Huron

Timothy O'Brien, USGS Great Lakes Science Center, Ann Arbor, Michigan

9:50— History and Status of Landlocked Rainbow Smelt (*Osmerus mordax*) in Maine

Dave Halliwell, Maine Department of Environmental Protection, Augusta

10:15—*Break*

10:30— Water quality and habitat assessment of rainbow smelt (*Osmerus mordax*) spawning locations in the Gulf of Maine

Brad Chase, Massachusetts Division of Marine Fisheries, New Bedford

10:55— Pleasant River Estuary, Smelt Fisheries from Past to Present - a ray of hope for a declining species?

Dwayne Shaw, Downeast Salmon Federation, Columbia Falls, Maine

11:20— Evaluation of passage efficiency of rainbow smelt in a nature-like fishway and characterization of the spawning migration

Marie Clément, Department of Fisheries and Oceans Canada, New Brunswick

11:45— Laboratory marking of rainbow smelt embryos and larvae and the implications for restoration

Matt Ayer, Massachusetts Division of Marine Fisheries, Gloucester

12:10— The Rainbow Smelt restoration Plan for the St. Lawrence estuary: Where are we 8 years later?

Guy Verrault, Ministère des Ressources Naturelle et de la Faune, Québec

12:35—*Lunch*

2:00—Panel Discussion

3:30—Species of Concern Technical Advisory Committee Meeting