

**NEW YORK CHAPTER
AMERICAN FISHERIES SOCIETY
2015 ANNUAL MEETING
PROGRAM**

Esocid Research and Management



Aquatic Invasive Species



**February 4 – 6, 2015
High Peaks Resort
Lake Placid, NY**



Wednesday February 4th, 2015

8:00-9:00AM Registration

Avalanche Pass

9:00AM-12:30PM Population Genetics Workshop

Armstrong/Basin Andrew Whiteley, University of Massachusetts Amherst

12:30-1:30PM Lunch (on your own)

1:30-5:00PM eDNA Workshop

Armstrong/Basin James W. Casey, Cornell University College of Veterinary Medicine

5:00-7:00PM NYCAFS Executive Committee Meeting

Marcy Board Room

5:00PM-10:00PM Poster set-up

Avalanche Pass

7:00-8:00PM Registration

Avalanche Pass

7:00-10:00PM Welcome Social

Avalanche Pass

Thursday, February 5th, 2015

7:00-12:00PM Registration

Avalanche Pass

7:00-8:00AM Continental Breakfast

Avalanche Pass

PLENARY SESSION

Esocid Research and Management

McIntyre Range

Moderator: Jeff Loukmas, Warmwater Fisheries Unit Leader, NYSDEC, Bureau of Fisheries

8:00AM Meeting Introduction

Michael Clancy, NYCAFS President

- 8:05AM Esocid management in New York State
Jeff Loukmas, NYSDEC
- 8:20AM Ecology and management of St. Lawrence River Esocids: from program foundations to meeting future challenges
John Farrell, SUNY ESF
- 8:50AM Northern Pike habitat restoration efforts in the Thousand Islands section of the St. Lawrence River
Brandy Brown, SUNY ESF
- 9:10AM Lake Champlain Northern Pike: building the foundation for a better fishery
Shawn Good, Vermont Fish and Wildlife Department
- 9:30AM Management of constructed Northern Pike spawning marshes in Conesus Lake
Matt Sanderson, NYSDEC
- 9:50AM Break
Avalanche Pass
- 10:10AM Management of the Chautauqua Lake Muskellunge, a historical perspective
Paul McKeown, NYSDEC
- 10:40AM Trophy Muskellunge populations and fisheries can be sustainable
John Casselman, Queen's University
- 11:10AM Genetic information used to guide Muskellunge management in Minnesota
Loren Miller, Minnesota Department of Natural Resources
- 11:40AM Egg predation by the invasive Round Goby on two broadcast spawning species: Northern Pike and Muskellunge
Andrew Miano, SUNY ESF
- 12:00PM Lunch
Great Range

Aquatic Invasive Species McIntyre Range

Moderator: Margaret Murphy, Anchor QEA, LLC

- 1:20PM AIS: a resource stewardship challenge for DEC
Phil Hulbert, NYSDEC

- 1:40PM Monitoring and managing invasive species in the Adirondack Park
Erin Vennie Vollrath, APISP - TNC
- 2:00PM Using iMapInvasives to share aquatic invasive species data in NYS
Jennifer Dean, New York Natural Heritage Program
- 2:40PM Threats and management strategies for AIS in Lake Champlain
Meg Modley, Lake Champlain Basin Program
- 3:00PM Break
- Avalanche Pass**
- 3:20PM Stewardship and AIS prevention case study: Ausable River Association
AIS Steward Program
Carrienne Pershyn, Ausable River Association
- 3:40PM USFWS Aquatic Invasive Species Program in the Lower Great Lakes
Sandy Keppner, USFWS
- 4:00PM Updated invasion risk assessment of Ponto-Caspian fishes to the Great
Lakes
Dave MacNeill, NYS Sea Grant
- 4:20PM Oneida Lake as a melting pot: the impact of invasive species on historic
and modern fisheries
Randy Jackson, Cornell University
- 5:00-6:00PM NYCAFS Business Meeting
- McIntyre Range**
- 6:00-7:00PM Poster Social
- Avalanche Pass**
- 6:00-7:00PM GAP Analysis Update Meeting
- Big Slide**
- 7:00-10:00PM Banquet and Raffle
- Great Range**

CONTRIBUTED PRESENTATIONS

Friday, February 6th, 2015

*Moderators: Webster Pearsall, NYSDEC Region 8 Fisheries Manager
Scott Wells, NYSDEC Region 4 Fisheries Biologist*

7:00-10:00AM Avalanche Pass	Registration
7:00-8:00AM	Breakfast (on your own)
8:00AM Wright	The development and application of a New York State specific fish based index of biotic integrity (IBI) Zachary Smith, SUNY ESF
Algonquin/Iroquois	Restoring river-runs of landlocked Atlantic Salmon in Lake Champlain William R. Ardren, USFWS
8:20AM Wright	Spatial differences in contemporary fish assemblages of the Mohawk River Scott George, USGS
Algonquin/Iroquois	Survival and growth assessment of Atlantic Salmon strains: an ecological approach to restoration in central New York Justin A. DiRado, SUNY ESF
8:40AM Wright	Fatty acid signatures of major predator and prey fish in Lake Ontario: spatio-temporal variability in prey and differences among predator species Robert Pattridge, SUNY Brockport
Algonquin/Iroquois	Atlantic Salmon restoration: a bioenergetics modeling approach to assess spatial and temporal variability in juvenile rearing-habitat quality Christopher D. Powers, SUNY ESF
9:00AM Wright	Are larval lampreys homebodies? Using elastomer tags to study open populations of lampreys Thomas M. Evans, SUNY ESF
Algonquin/Iroquois	Variations in water temperature and implications for Brown Trout populations in the Upper Schoharie Creek, 2010-12 Barry P Baldigo, USGS
9:20AM Wright	Mapping the Deep Chlorophyll Layer (DCL) in Lake Ontario: using autonomous glider technology to collect high-resolution profile data Annie Scofield, Cornell University

Algonquin/Iroquois Inter-reach movements of Brook Trout (*Salvelinus fontinalis*) in Smitty Creek Watershed in Franklin County, New York
Jesse Smith, Paul Smith's College

9:40AM

Wright Contaminants in fish from Lake Erie, the Niagara River, Cayuga Creek and Lake Ontario, New York: mercury is stable while PCBs, pesticides and dioxins have declined
Wayne Richter, NYSDEC

Algonquin/Iroquois Assessing spawning site fidelity of Brook Trout (*Salvelinus fontinalis*) using multiple, independent, small-scale PIT arrays
Benjamin Marcy-Quay, Cornell University

10:00AM

Avalanche Pass

Break

10:20AM

Wright

Habitat preferences of Hudson River Atlantic Sturgeon
Amanda Higgs, NYSDEC

Algonquin/Iroquois A three year study of an isolated Brook Trout population in the eastern Adirondacks: sustainability, propagation and genetics
Dan Sinopoli, Burnt Hills-Ballston Lake High School

10:40AM

Wright

Rekindling the association with the declining American Eel
Colleen Burluik, Queen's University

Algonquin/Iroquois Effects of thermal stress on survivorship of Brook Trout in north temperate lakes
N. Thomas Daniel, Cornell University

11:00AM

Wright

Confirmation of Cisco spawning in Chaumont Bay, Lake Ontario using an egg pumping device
Ellen M. George, Cornell University

Algonquin/Iroquois Dam removal to facilitate Salmonid passage in New York: two case studies
Gian Dodici, USFWS

11:20AM

Wright

The latest news in native fish management
Lisa Holst, NYSDEC

Algonquin/Iroquois Use of acoustic telemetry to evaluate Lake Trout use of constructed reefs
J. Ellen Marsden, University of Vermont

11:50AM-12:00PM

Algonquin/Iroquois Closing remarks and awards presentation

CONTRIBUTED POSTERS

NYS DEC's Angler Achievement Awards Program- a summary of trophy-size Muskellunge
Joelle Ernst, NYSDEC

Environmental determinants of sex ratio in St. Lawrence River Northern Pike (*Esox lucius*):
development of a molecular sex identification tool and experimentation with physical and
chemical variables

Kelly Huffman, SUNY ESF

Northern Pike and Muskellunge habitat preferences in US tributaries of the St. Lawrence River
Kaitlin S. Hanak, USGS

Round Goby expansion into Oneida Lake in 2014

Thomas E. Brooking, Cornell University

Changes in vertical distribution of native crustaceans in Lake Ontario: potential impacts by
Bythotrephes on zooplankton migration behaviors

Nicole E. Saavedra, Cornell University

Catskills Watershed Steward Program: A SUNY-Oneonta Biological Field Station (BFS) &
Catskill Regional Invasive Species Partnership (CRISP) collaboration

P. H Lord, SUNY Oneonta

St. Lawrence-Thousand Islands fish community response to goby invasion

Russ McCullough, NYSDEC

Biocontrol of *Myriophyllum spicatum* in three NY & CT lakes

P.H. Lord, SUNY Oneonta

Virkon® Aquatic is an ineffective disinfectant against Zebra Mussels

Jason N. Gagnon, SUNY Cobleskill

Invasive species and native Salmonids in Otsego Lake, NY, USA

S.M. Wells, NYSDEC

Successful Sea Lamprey control: step one toward salmonid restoration in Lake Champlain
BJ Allaire, USFWS

Test of various household chemicals to prevent the spread of adult Zebra Mussels
Eric A. Davis, SUNY Oneonta

Determining the most suitable method for summarizing fish abundance for modeling
Robert E. Alexander, USGS

Habitat use of yearling Rainbow Trout in two trout streams in central New York
M. A. Chalupnicki, USGS

Spatio-temporal variation in fatty acid signatures of Lake Michigan fish
Matthew Futia, SUNY Brockport

U.S Fish and Wildlife Service and Fish Enhancement Mitigation and Research Fund (FEMRF)
St. Lawrence River and Lake Ontario Tributary Assessment and Mitigation Project: Fish
Barriers, Fish Habitat, and Fish Communities
Justin Ecret, USFWS

A recovery plan for the endangered Pugnose Shiner, help is needed!
Doug Carlson, NYSDEC

Toxicity of two copper-based herbicides to warmwater and coldwater fish
Eric Paul, NYSDEC

Leptocephali Biodiversity in the Sargasso Sea: spatial and diel patterns
Luke Gervase, SUNY Oneonta

Calcein as an alternative chemical marker for Lake Herring
G. E. Mackey, USGS

Tracking the movement of PIT tagged trout in the Carmans River
Kathleen Marean, SUNY Oneonta

Effectiveness of chemically marking Lake Herring (*Coregonus artedi*) with oxytetracycline
(OTC) for extended periods of time
K.J. Nash, USGS

Effects of reduced turbidity and suspended sediment concentrations on macroinvertebrate
populations at a restored reach on Warner Creek
Noel Deyette, Paul Smith's College

Overwintering survival and relative mortality of young of the year Black Sea Bass in coastal areas in the Northeast US
Adam Younes, Stonybrook University

Eastern Brook Trout Joint Venture NY overview: 2007-2014
Tim Pokorny, NYSDEC

Spatial ecology and migration of adult Walleye in the eastern basin of Lake Erie
Jason Robinson, NYSDEC

Comparison of side scan sonar substrate classification: methods to assess accuracy
Shana Chapman, SUNY Buffalo

Improved Silver Chub species distribution model for western Lake Erie
James E. McKenna, Jr., USGS

Fish populations rebound in Schoharie County streams after 2011 record floods
Dakota J. Raab, SUNY Cobleskill

Use of an in-stream fish counter to measure absolute abundance and identify parameters influencing migration patterns of River Herring in Black Creek, a small tributary of the Hudson River
Wes Eakin, NYSDEC

1st Year Survival of Fall Fingerling Lake Sturgeon the Genesee River, NY
Dawn Dittman, USGS

Habitat use of Brook Trout and Rainbow Trout in a Lake Ontario tributary
Ross Abbett, USGS

Dietary transfer of fatty acids in Lake Trout
Sage Hallenbeck, SUNY Brockport

Five-year interval time-series modeling of abundance and distribution for the declining Slimy Sculpin in Lake Ontario
Robert E. Alexander, USGS