

**2016 ANNUAL MEETING  
PROGRAM  
NEW YORK CHAPTER  
AMERICAN FISHERIES SOCIETY**

**50<sup>th</sup>**  
  
Anniversary

*“Building Resiliency into Fish Management Plans –  
Sustaining Fisheries in a Changing World”*

**February 10-12, 2016**  
Otesaga Resort Hotel  
Cooperstown, NY

This schedule provides the meeting room locations in **bold font**, presenting author is underlined, and *presenting author affiliation is in italics*.

## February 10<sup>th</sup>, 2016

8:00AM-9:00AM

**Oak Room** Registration

**Glimmerglass** Continental Breakfast

9:00AM-10:15AM

**Glimmerglass** Workshop: "Understanding and Enabling Adaptive Management of Social-Ecological Systems." Presented By Marc Nelitz, MRM, RPBio and Brendan Connors, PhD of *ESSA Technologies Ltd.*

10:15AM-10:30AM

**Glimmerglass** Break

10:30AM-12:00PM

**Glimmerglass** Adaptive Management Workshop

12:00PM-1:00PM

Lunch (on your own)

1:00PM-2:30PM

**Glimmerglass** Adaptive Management Workshop

2:30PM-2:45PM

**Glimmerglass** Break

2:45PM-4:30PM

**Glimmerglass** Adaptive Management Workshop

4:30PM-6:00PM

**Abner Doubleday** NYCAFS Executive Committee Meeting

6:00PM-7:00PM

**Pathfinder** Brook Trout Meeting – Discussion between Cornell and NYSDEC pertaining to ongoing research.

7:00PM-9:00PM

**Fenimore** NYCAFS Welcome Social

9:00PM-12:00AM

**Templeton Lounge** Fire bar and late night social

## PLENARY

**February 11th, 2016**

7:00AM-12:00PM

**Oak Room** Registration

7:00AM-8:30AM

**Glimmerglass** Continental Breakfast

8:30AM-8:45AM

**Ballroom** Introduction to the Annual Meeting  
Chris VanMaaren, *Chapter President*

8:45AM-9:15AM

**Ballroom** Resilience 101: concepts and examples from New York state fisheries.  
Brian Weidel, *USGS, Lake Ontario Biological Station*

9:15AM-9:45AM

**Ballroom** Resilience and recovery of marine fish populations: points of no-return and productivity regime shifts. Olaf Jensen, *Rutgers University*

9:45AM-10:15AM

**Ballroom** Managing for evolutionary resilience.  
Matthew Hare, *Cornell University*

10:15AM-10:30AM

**Ballroom Rotunda** Break

10:30AM-11:00AM

**Ballroom** Resiliency in the management of marine fisheries. Russell W. Brown, Dvora Hart and Liz Brooks, *NOAA Fisheries, Northeast Fisheries Science Center*

11:00AM-11:30AM

**Ballroom** Climate change as a driver of the homogenization of New York's stream fish fauna. James R. Jackson, *Cornell University*

11:30AM-1:00PM

**Glimmerglass** Lunch

1:00PM-1:30PM

**Ballroom** Stream corridor management: from planning to pile driving. George Fowler, *Woidt Engineering and Consulting*

1:30PM-2:00PM

**Ballroom** Managing *Percids* in Lake Erie, a New York State perspective. Donald W. Einhouse, *NYS DEC Lake Erie Unit*

2:00PM-2:15PM

**Ballroom Rotunda** Break

2:15PM-2:45PM

**Ballroom** Managing for resilience across the eastern brook trout historic range.  
Nathaniel Gillespie, USDA Forest Service

2:45PM-3:15PM

**Ballroom** Are lake trout ecologically resilient or not? – species, ecosystems, and management. Charles C. Krueger, Michigan State University

3:15PM-4:00PM

**Ballroom** Panel Discussion

4:00PM-5:00PM

**Ballroom** NYCAFS Business Meeting

5:00PM-6:30PM

**Fenimore** Poster Session

6:30PM-10:00PM

**Glimmerglass** Banquet and Raffle

10:00PM-12:00AM

**Templeton Lounge** Fire bar and late night social

## CONTRIBUTED PRESENTATIONS

**February 12<sup>th</sup>, 2016**

7:00AM-10:00AM

**Oak Room** Registration

7:00AM-8:00AM

**Glimmerglass** Continental Breakfast

### MODERATORS

**Ballroom** Session 1 Tony Van De Valk, *Cornell*

**Glimmerglass** Session 2 Margaret Murphy, *SUNY ESF*

**Iroquois Room** Session 3 Fred Henson, *NYSDEC*

8:00AM-8:20AM

**Ballroom** Fluctuations in rainbow and brown trout populations in a Finger Lakes tributary after stream habitat restoration. Cushman, Susan, Nicolette E, Andrzejczyk, Shannon M Beston and Jordan L Youngmann, *Hobart & William Smith Colleges*

**Glimmerglass** The population ecology of ammocoetes in three New York streams.  
Thomas M Evans, SUNY ESF

**Iroquois Room** Assessing risk and preventative measures for aquatic invasive species in Brant Lake. Alejandro Reyes, *SUNY Oneonta*

8:20AM-8:40AM

**Ballroom** Migration and movement of American shad (*Alosa sapidissima*) in the Hudson River: a five-year study. Christopher R. Standley, Amanda L. Higgs, P. Christian Perry, *NYSDEC*

**Glimmerglass** Invasive round goby diet patterns in upper St. Lawrence River coastal habitats. Andrew Miano, John Farrell, *SUNY ESF*

**Iroquois Room** Is potassium chloride better than sodium chloride for preventing the spread of the zebra mussel? Eric A. Davis, *SUNY Oneonta*

8:40AM-9:00AM

**Ballroom** Projected effects of dam passage performance standards on recovery of American shad (*Alosa Sapidissima*). Dan Stich, Timothy Sheehan, and Joseph Zydlewski, *SUNY Oneonta and NOAA*

**Glimmerglass** When does an Endangered/Threatened fish species in NYS get down-classified? Doug Carlson, *NYSDEC*

**Iroquois Room** Die-offs of Atlantic menhaden *Brevoortia tyrannus*. RG Getchell, KL Sams, R Smolowitz, PR Bowser, H. Marquis, *Cornell University*

9:00AM-9:20AM

**Ballroom** Response of fish assemblages to seasonal drawdowns in sections of an impounded river-canal system. Scott George, Barry Baldigo, and Scott Wells, *U.S. Geological Survey, New York Water Science Center*

**Glimmerglass** Status of the last wild population of northern sunfish (*Lepomis peltastes*) in New York State: changes in the fish community and hybridization with bluegill (*L. macrochirus*) in Tonawanda Creek, Erie County. David Sanderson-Kilchenstein, James Haynes, *SUNY Brockport*

**Iroquois Room** Early mortality syndrome affects Lake Ontario steelhead trout. Matt Futia, Sage Hallenbeck, Jacques Rinchar, *SUNY Brockport*

9:20AM-9:40AM

**Ballroom** Niagara River habitat improvement projects: adaptive approaches to a high-energy system. Timothy DePriest, *NYSDEC*

**Glimmerglass** A comparison of fish communities in southwestern Lake Ontario tributaries from one century ago. Ben Carson, Paul Shipman, *Rochester Institute of Technology*

**Iroquois Room** Age and size as predictors of mercury accumulation in lake trout from the Finger Lakes. Alex Gatch, Roxanne Razavi, Lisa Cleckner, Meghan Brown, John Foust, Bruce Gilman, *Hobart College*

9:40AM-10:10AM

**Ballroom Rotunda**

Break

10:10AM-10:30AM

**Ballroom**

The feasibility of lake sturgeon microchemistry in the St. Lawrence River. Seth A. Love, Quinton E. Phelps, Scott, J. Schluetter, and Rodger M. Klindt, *Southeast Missouri State University*

**Glimmerglass**

Expanded trawl survey enhances understanding of Lake Ontario benthic fishes. Rebecca Haehn, Brian Weidel, Maureen Walsh, Michael Connerton, Jeremy Holden, Patrick Schulze, *USGS, Lake Ontario Biological Station*

**Iroquois Room**

Variability in and robust estimates of acoustic relationships in *Mysis diluviana*. Toby Holda, Lars Rudstam, David Warner, Kathy Leisti, Jeremy Holden, Maureen Walsh, Michael Connerton, *Cornell University*

10:30AM-10:50AM

**Ballroom**

Distribution and morphology of larval cisco *Coregonus artedi* in Chaumont Bay, Lake Ontario. Ellen George, Darran Crabtree, Brian Lantry, Matthew Hare, and Lars Rudstam, *Cornell University*

**Glimmerglass**

An ecological approach to Atlantic salmon restoration in central New York. Justin A. DiRado, Christopher D. Powers, Neil H. Ringler, Margaret H. Murphy, *SUNY ESF*

**Iroquois Room**

Spatial and temporal variability in acoustic backscatter from fish and zooplankton in the Hudson River Estuary from August 2013 to October 2015. Maija Niemisto, Joseph D. Warren, *Stony Brook University*

10:50AM-11:10AM

**Ballroom**

Efficacy of environmental DNA to detect and quantify brook trout *Salvelinus fontinalis*, populations in streams of the Adirondack Mountains. Barry P. Baldigo, Lee Ann Sporn, and Scott D. George, *USGS, New York Water Science Center*

**Glimmerglass**

Evidence of lake trout recruitment in Lake Champlain: is this the beginning? J. Ellen Marsden, Carrie Kozel, Bethany Alger, Levi Brown, *University of Vermont*

**Iroquois Room**

Evaluating closed mark-recapture model assumptions in a lacustrine brook trout population. Benjamin Marcy-Quay, Cliff Kraft, *Cornell University*

11:10AM-11:30AM

**Ballroom**

Identifying lake trout thermal and depth habitat preference with pop-up satellite tags. Curtis Karboski, Dimitry Gorsky, Zy Biesinger, *USFWS*

**Iroquois Room** Can scale morphometrics estimate the proportion of wild chinook salmon in historic Lake Ontario catches? Patrick Schulze, Brian Weidel, Michael Connerton, *USGS, Lake Ontario Biological Station*

11:45AM-12:00PM

**Ballroom** Awards Presentation

12:30PM-2:00PM

**Ballroom** Native Fish Meeting

## CONTRIBUTED POSTERS

*Listed in alphabetical order by presenting author, coauthors omitted.*

Seasonal habitat use of juvenile Atlantic salmon and steelhead in two eastern Lake Ontario tributaries. Ross Abbett, *USGS Tunison*

Atlantic salmon reintroductions: the Lake Champlain experience William Ardren, *USFWS*

The ecology of the flood pulse along a lateral gradient: effects of perturbations on nutrient concentrations, lower trophic levels, and larval esocid performance. Ericka Augustyn, *SUNY ESF*

What makes roads accessible, makes streams inaccessible; the effects of road-stream crossings on aquatic connectivity of eastern trout species within the Housatonic River watershed. Cole G Baldino, *SUNY ESF*

An assessment of phosphorus sources & sinks in the west branch of the Tioughnioga River watershed. Jordan Bodway, *SUNY ESF*

The restoration of lake whitefish as an integral component of the cold-water fish community in Otsego Lake, NY. Samantha Carey and Kevin Thomas, *SUNY Cobleskill*

Daces you can count-on and needing attention. Doug Carlson, *NYSDEC*

Is lake trout recruitment impacted by zebra mussels in Otsego Lake, NY? J. Benjamin Casscles, *SUNY Cobleskill*

Largemouth bass telemetry on the tidal Hudson River. Ryan Coulter, *NYSDEC*

Radio telemetry tagging with surgical implant techniques – could you be a fish surgeon? Ryan Coulter, *NYSDEC*

Effects of waste water treatment plant inputs on water quality and macroinvertebrate assemblages along the Chenango River, NY. Austin Demarest, *SUNY ESF*

The diel diet of subyearling pumpkinseed in a Lake Ontario embayment. Avriel R. Diaz, *USGS*

Retention of visible implant elastomer and calcein marks in juvenile lake sturgeon. D. E. Dittman, *USGS Tunison*

Evaluating handling and tagging effects, in-river residence time, and post-spawn migration of anadromous river herring in the Hudson River, New York. Wes Eakin, *Cornell University*

Thiamine deficiency in lake trout eggs from Cayuga Lake. Matt Futia, *SUNY Brockport*

Master of science in lake management. Luke J. Gervase, *SUNY Oneonta*

Effects of St. Lawrence Seaway shipping on Lepomis habitat use. Kaitlin S. Hanak, *USGS Tunison*

Predictive modeling of young of year Muskellunge based on habitat selection in the St. Lawrence River Watershed. Kaitlin S. Hanak, *USGS Tunison*

Cisco and bloater calcein retention under various preservatives. Tyler R. Knapp, *USGS Great Lakes Science Center*

Habitat preference for young-of-year gamefish within the St. Lawrence watershed. Gregory R. Kronisch, *USGS*

Enough fish food in Lake Ontario? Insights from a 2013 food web model. Alex Looi, *USGS, Lake Ontario Biological Station*

Restoring sauger to the Allegheny River watershed. Jeff Loukmas, *NYSDEC*

Use of exploitation simulation models for silver carp (*Hypophthalmichthys molitrix*) populations in several midwestern U.S. rivers. Seth A. Love, *Southeast Missouri State University*

Acoustic measurements of the distribution and abundance of Atlantic menhaden (*Brevoortia tyrannus*) in the Peconic River and Estuary in Long Island, NY. Brandyn M. Lucca, *Stony Brook University*

Efficacy and toxicity of Chloramine T disinfection of cisco fry. Gregg E. Mackey, *USGS*

St. Lawrence – Thousand Islands Centrarchid panfish trends. Russ McCullough, *NYSDEC*

A review of fecundity and egg size of cisco (*Coregonus artedi*) and comparison with other salmonids in the Laurentian Great Lakes. James D. McKenna, *USGS Tunison*

Great Lakes Aquatic Gap Analysis 2016: Son of Gap. James E. McKenna, Jr., *USGS Tunison*

The lazy Black River walleye. James E. McKenna, Jr., *USGS Tunison*

Fishery survey of the St. Regis River prior to Hogansburg Dam removal. Emma Mrowka, *USGS*

Utilizing skein eggs as an alternative egg source for bloater reintroduction into Lake Ontario. K. J. Nash, *USGS Great Lakes Science Center*

Compiling 50 years of data for Lake Ontario: collaborative data management and historical trends. Matt Paufve, *Cornell*

Temporal and spatial patterns of juvenile fish abundance in subtidal habitats in the freshwater tidal Hudson River at Germantown, NY. Edward Perri, *SUNY Cobleskill*

Assessing mercury dynamics in aquatic food webs of the Finger Lakes. Roxanne Razavi, *Hobart and William Smith Colleges*

Population characteristics of bowfin (*Amia calva*) from a Great Lakes coastal wetland, with an investigation of captive breeding and artificial diet. David Sanderson-Kilchenstein, *SUNY Brockport*

Walleye growth in relation to alewife abundance in Otsego Lake, New York. Nicholas J. Sanges, *SUNY Cobleskill*

Pond culture of pugnose shiners (*Notropis anogenus*) is a feasible strategy for restoring extirpated populations in New York's bays of Lake Ontario. Michael W. Soukup, *SUNY Cobleskill*



## **Donations**

*Thank you to the following businesses, organizations  
and individuals for their generosity.*

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