

**2014 ANNUAL MEETING  
PROGRAM  
NEW YORK CHAPTER  
AMERICAN FISHERIES SOCIETY**



*“Quantifying angler behavior: current practices  
and emerging methods”*

**February 5-7, 2014**  
Ramada Geneva Lakefront  
Geneva NY

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

February 5<sup>th</sup>, 2014

8:00AM–9:00AM Registration and Coffee  
**Hallway**

9:00AM–12:00PM Larval Fish ID Workshop  
**Sampson/Nester**

12:00PM–1:00PM Lunch (on your own)

1:00PM–3:00PM Larval Fish ID Workshop  
**Sampson/Nester**

3:00PM–3:30PM Break  
**Hallway**

3:30PM–5:00PM Larval Fish ID Workshop  
**Sampson/Nester**

5:00PM–7:00PM NYCAFS Executive Committee Meeting  
**Geneva**

7:00PM–9:00PM NYCAFS Welcome Social  
**Sampson/Nester**

February 6<sup>th</sup>, 2014

## INVITED SESSION: NY ANGLER RESEARCH

7:00–12:00PM  
**Hallway** Registration

7:00–8:00AM  
**Hallway** Break

8:00–8:15AM  
**Hallway** Meeting Introduction  
Tony VanDeValk and Donna Yudin

### PLENARY

8:15–9:00AM  
**Lakeview** Using the internet and traditional creel surveys to understand angler behavior.  
Dustin Martin, Christopher Chizinski, Kevin Pope;  
*University of Nebraska – Lincoln*

8:15–9:00AM  
**Lakeview** Angler creel surveys: conventions, choices and potential cheats  
James Jackson, Scott Krueger, Anthony VanDeValk,  
*Cornell University*

9:45–10:15AM  
**Hallway** Break

10:15–10:45AM  
**Lakeview** What can we learn from the New York statewide angler survey?  
Nancy Connelly, Shaun Keeler, Barbara Knuth,  
*Cornell University*

10:45–11:30AM  
**Lakeview** Using human dimensions research to reduce implementation uncertainty in recreational fisheries management  
Len Hunt, *OMNR, Centre for Northern Forest Ecosystem Research*

11:45–12:45PM  
**Hallway** Lunch

1:00–1:20PM  
**Lakeview** Lake Ontario tributaries angler survey  
Scott Prindle, *NYSDEC*

1:20–1:40PM  
**Lakeview** Over 40 years of assessing Lake Ontario's trout and salmon fishery  
Jana Lantry, Thomas Eckert, *NYSDEC*

1:40–2:00PM  
**Lakeview** Measurement error in catch rate estimation from creel surveys using complete and incomplete fishing trips  
Alexander Alexiades, Ben Marcy-Quay, Patrick Sullivan, Kenneth Pollock. *Cornell University*

2:00–2:20PM  
**Lakeview** Assessing changes to New York's stream trout fishery  
Benjamin Marcy-Quay, Alexander Alexiades, Patrick Sullivan, Clifford Kraft. *Cornell University*

2:20–3:10AM  
**Hallway** Break

3:10–3:30PM  
**Lakeview** Contributions of a long term angler survey informing fisheries management in the New York waters of Lake Erie  
Donald Einhouse, *NYSDEC*

3:10–3:30PM  
**Lakeview** Thirty years of angler diary data collection on Long Island  
Chart Guthrie, *NYSDEC*

3:50–4:10PM  
**Lakeview** Sixty years of angler data from Adirondack waters  
Daniel Josephson, Clifford Kraft, *Cornell University*

4:10–4:30PM  
**Lakeview** Panel Discussion

4:30–5:30PM NYCAFS Business Meeting  
**Lakeview**

5:30–7:00PM Poster Social  
**Hallway/Seneca/Lakeview**

7:00–11:00PM Banquet and Raffle  
**Lakeview**

## CONTRIBUTED PRESENTATIONS

February 7<sup>th</sup>, 2014

7:00–12:00PM Registration  
**Hallway**

7:00–8:00AM Coffee and Snacks  
**Hallway**

8:00–8:20AM  
**Sampson/Nester** Estimating fishing behavior of the 11.8 m Yankee bottom trawl and potential influence on Lake Ontario fish community change  
Brian Weidel, Maureen Walsh, Patrick Schulze, *USGS, Lake Ontario Biological Station*

**Blackwell** More than the sum of its parts: A discussion on the combined effect of anthropogenic pollutants and dams on river fish  
Jonas Hamberg, Karin Limburg, *SUNY ESF*

8:20–8:40AM  
**Sampson/Nester** MS thesis idea: Sampling and 3D distribution of mysid “shrimps”  
Toby Holda, *Cornell University*

**Blackwell** Susceptibility of goldfish to viral hemorrhagic septicemia virus type IVb by intraperitoneal injection,  
Rodman Getchell, Emily Hatch, Anna Johnson, Emily Cornwell, Gregory Wooster, Paul R. Bowser, *Cornell University*

8:40–9:00AM  
**Sampson/Nester** Evidence of cisco spawning in Chaumont Bay, Lake Ontario  
Ellen George, Mathew Levine, Lars Rudstam, *Cornell University*

**Blackwell** An overview of recent developments in native fish management in New York  
Lisa Holst, *NYSDEC Bureau of Fisheries*

9:00–9:20AM  
**Sampson/Nester** Dynamic seasonality of surface chl and whiting events in Lake Ontario tracked by remote sensing and shipbased platforms in 2013  
James Watkins, Barry Lesht, Brian Weidel, Lars Rudstam, *Cornell University*

**Blackwell** First evidence of behavioral toxicity to estuarine forage fish from exposure to the harmful dinoflagellate, *Cochlodinium polykrikoides*.  
Konstantine Rountos, Christopher Gobler, Ellen Pikitch, *Stony Brook University*

9:20–9:40AM  
**Sampson/Nester** Diel changes of vertical fish distribution in the Lake Ontario offshore: potential impact to utilization of the deep chlorophyll layer  
Milan Riha, Maureen Walsh, Toby Holda, Lars Rudstam, *Cornell University*

**Blackwell** Black spot infection: The relationship between fish body condition, infection prevalence, and cyst Abundance in The Seneca Lake Watershed

	<u>Shannon Beston</u> , Susan Cushman, <i>Stony Brook University</i>	<b>Sampson/Nester</b>	Differential impacts of Tropical Storm Irene on trout populations in the Upper Esopus Creek basin <u>Scott George</u> , Barry P Baldigo, and George Robinson, <i>University at Albany</i>
9:40–10:00AM	Distribution of the deep chlorophyll layer (DCL) in Lake Ontario during 2013: a vertically restructured system <u>Annie Scofield</u> , James Watkins, Lars Rudstam, <i>Cornell University</i>	<b>Blackwell</b>	Do Lake Ontario salmonid diets reflect prey fish community dynamics? <u>Chris Legard</u> , Brian Weidel, Jana Lantry, Maureen Walsh, Brian Lantry, <i>NYSDEC</i>
	<b>Blackwell</b>	Northern snakeheads in New York City – results of seven years of monitoring <u>Melissa K. Cohen</u> , <i>NYSDEC</i>	11:30–11:50AM <b>Sampson/Nester</b>
10:00–10:30AM	Break		Status of a radiotelemetry study of movements of hatchery-reared brook trout ( <i>Salvelinus fontinalis</i> ) released into Shu Swamp Nature Preserve, Mill Neck, NY. Brian Bartlett, Maryanne Grey, <u>Peter Daniel</u> , <i>Hofstra University</i>
10:30–10:50AM	Brook trout population dynamics in a changing climate <u>Thomas Daniel</u> , Cliff Kraft, <i>Cornell University</i>	<b>Blackwell</b>	Juvenile river herring habitat use and migrations from Maine to Florida <u>Sara M. Turner</u> , <i>SUNY ESF</i>
	<b>Blackwell</b>	Using stable isotope analysis of archived fish scales to study trophic dynamics <u>Curtis Karboski</u> , Mark Teece, Neil Ringler, <i>SUNY ESF</i>	11:50–12:20AM <b>Sampson/Nester</b>
10:50–11:10AM	Response of stream chemistry and young-of-year brook trout to lime applications in acidified tributaries to Honnedaga Lake <u>Daniel Josephson</u> , Clifford Kraft, Jason Siemion, Barry Baldigo, Scott George, <i>Cornell University</i>	<b>Blackwell</b>	Late-spawning suckers in Adirondack ponds, 2013 and earlier <u>Doug Carlson</u> , Richard Morse, Evon Hekkala, <i>NYSDEC</i>
	<b>Blackwell</b>	Variation in fatty acid signatures of Lake Ontario prey fish <u>Robert Pattridge</u> , Jacques Rinchar, Maureen Walsh, <i>SUNY Brockport</i>	The distribution of larval sea lamprey and their nutritional sources in Hudson River Tributaries <u>Thomas Evans</u> , Karin Limburg, <i>SUNY ESF</i>
11:10–11:30AM			12:20–12:30PM <b>Lakeview</b>
			Awards Presentation
			12:30-2:00PM <b>Sampson/Nester</b>
			GAP meeting (host: Jim McKenna)
		<b>Blackwell</b>	Long ear sunfish meeting (host: Doug Carlson)

## CONTRIBUTED POSTERS

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

Feeding ecology of yellow perch in an eastern Lake Ontario tributary and embayment, Ross Abbett, *USGS Tunison*

Effects of adjustments to correct Lake Ontario trawling Locations, Robert Alexander, *USGS Tunison*

Spatial scale and natal influence on spawning site fidelity in northern pike: Investigation using otolith microchemistry Techniques, Ben J. Amos, *SUNY ESF*

Lake sturgeon spawning habitat enhancement: coordinating three sonar technologies, Zy Biesinger, *USFWS*

Changes in fish distribution: 91,000 site records in the NY Fish Atlas, Doug Carlson, *NYSDEC*

Setting the stage for a multidisciplinary study of Summer flounder (*Paralichthys dentatus*) in *Shinnecock Bay, NY*, Sara Cernadas-Martin, *Stony Brook University*

Diel feeding ecology of slimy sculpin in Skaneateles Lake, A Finger Lake in central New York, Marc Chalupnicki, *USGS Tunison*

Education and early detection programs for aquatic invasive species in the Finger Lakes, Lisa B. Cleckner, *Hobart and William Smith Colleges*

Eastern brook trout joint venture (EBTJV) stream surveys in NYSDEC Region 9: 2010 to 2013, Scott Cornett, *NYSDEC Allegany*

Composition of fish assemblages in Seneca Lake tributaries, Susan Cushman, *Hobart and William Smith Colleges*

Basin specific condition, growth and diet for yellow perch, *Perca flavescens*, in Lake George, New York, Brett D'Arco, *RPI*

Fish advisory update for the Saint Regis Mohawk tribe, Tony David, *St. Regis Mohawk Tribe*

Fish assemblage differences among sampling gears in the Oswegatchie River watershed, Katherine DeVilbiss, *USGS Tunison*

Lake Sturgeon in the Oswegatchie River and Black Lake NY, Dawn E. Dittman, *USGS Tunison*

Habitat-assemblage modeling of aquatic macrophytes as a guide for enhancement of fish habitat, Matthew Gunderson, *SUNY ESF*

Mercury levels in blacknose dace from Seneca Lake tributaries (2011-2013), Patrick J. Gunn, *Hobart and William Smith Colleges*

Changes in observed fish community structure due to immediate replication of beach seine haul, Kaitlin Hanak, *USGS Tunison*

Nearshore zooplankton community change in Lake Ontario from 1995 – 2010, Kristen Holeck, *Cornell University*

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*

The effect of largemouth bass on Adirondack freshwater ecosystem communities, Laura Kinkead, *RPI*

Toxicity of oxytetracycline (OTC) to larval lake herring, Gregg Mackey, *USGS Tunison*

St. Lawrence-Thousand Islands yellow perch population, Russ McCullough, *NYSDEC*

Tools for evaluation of climate change effects on fish habitat, James E. McKenna, Jr., *USGS Tunison*

The influence of spawning habitat on round goby (*Neogobius melanostomus*) Egg Predation for Broadcast Spawning Species, Andrew Miano, *SUNY ESF*

The development of a non-lethal index to determine sexual maturity in American eels (*Anguilla rostrata*), Sarah Mount, *SUNY ESF*

Lake herring egg development within a hatchery setting, Kendra Nash,  
*USGS Tunison*

Dietary transfer of fatty acids in juvenile yellow perch, Robert Pattridge,  
*SUNY Brockport*

Effect of the herbicide Sonar on the non-target toxicity of the lampricide  
TFM to warmwater and coldwater fish, Eric Paul, *NYSDEC, Rome*

Characterizing temporal changes in black bass populations in New York  
lakes, Christian Perry, *Cornell University*

Sampling little fish in big rivers: Larval fish detection probabilities in two  
Lake Erie tributaries, Jeremy J. Pritt, *University of Toledo Lake Erie  
Center*

Communicating fishery management goals and objectives using an  
adaptive framework for the St. Clair-Detroit Rivers system initiative,  
Edward F. Roseman, *USGS, Ann Arbor*

Comparing roving and access point angler surveys: Results from Oneida  
Lake in 2013, Nikki Saavedra, *CBFS*

Status of a freshwater ecosystem after a hurricane event, Dan Sinopoli,  
*Burnt-Hills Ballston Lake High School*

Is the electric trawl the best technique for sampling lotic habitats?,  
Courtney Stein, *SUNY Cobleskill*

Microplastics in marine estuaries, Jessica Steve, *School of Marine and  
Atmospheric Sciences at Stony Brook University*

Dietary effects on lake trout fatty acid signature, Logan Stratton, *SUNY  
Brockport*