

2020 NY AFS Annual Meeting

High Peaks Resort Lake Placid, NY

February 5-7, 2020

Wednesday February 5, 2020

12:00 PM to 5:00 PM	Registration , Lobby
12:00 PM to 7:00 PM	Poster Setup , Avalanche Pass
1:00 PM to 5:00 PM	Workshop , McIntyre Range
5:00 PM to 6:30 PM	NY AFS Executive Committee Meeting , Marcy Boardroom
7:00 PM to 9:00 PM	Welcome Social , Lake House

Thursday February 6, 2020

7:00 AM to 8:30 AM	Continental Breakfast , Great Range
7:30 AM to 12:00 PM	Registration , Lobby
7:30 AM to 5:30 PM	Poster Setup , Avalanche Pass
8:30 AM to 10:30 AM	Introduction and Plenary Session , McIntyre Range
10:30 AM to 10:50 AM	Break
10:50 AM to 12:00 PM	Plenary Session , McIntyre Range
12:00 PM to 1:20 PM	Lunch , Great Range
1:20 PM to 2:40 PM	Contributed Sessions , Algonquin/Iroquois/Wright
2:40 PM to 3:00 PM	Break
3:00 PM to 4:20 PM	Contributed Sessions , Algonquin/Iroquois/Wright
4:45 PM to 6:00 PM	Business Meeting , Wright
6:00 PM to 7:30 PM	Poster Session , Avalanche Pass
6:00 PM to 7:30 PM	Illustrated Fisheries Exhibit , Avalanche Pass
7:30 PM to 10:00 PM	Banquet and Raffle , Great Range

Friday February 7, 2020

7:00 AM to 8:30 AM	Continental Breakfast , Great Range
7:15 AM to 8:15 AM	Women in Fisheries Breakfast , Sentinel Range
7:30 AM to 8:30 AM	Registration , Lobby
8:30 AM to 10:10 AM	Contributed Sessions , Algonquin/Iroquois/Wright
10:10 AM to 10:30 AM	Break
10:30 AM to 11:50 AM	Contributed Sessions , Algonquin/Iroquois/Wright
12:00 PM to 12:30 PM	Awards and Closing Remarks , Algonquin

Thursday February 6, 2020

PLENARY

Coldwater Fisheries In Light of Climate Change

8:30 AM to 8:45 AM	Susan Cushman (President). Welcome and introductions
8:45 AM to 9:20 AM	Nathaniel Hitt. <i>Brook trout and climate change from genes to landscapes</i>
9:20 AM to 9:55 AM	Brian Lantry. <i>Ruminating on the future of a 47-year-old lake trout restoration program</i>
9:55 AM to 10:30 AM	Ashley Moerke. <i>On thin ice: understanding climate change threats to Lake Superior fishes</i>
10:30 AM to 10:50 AM	Break
10:50 AM to 11:25 AM	Tony David. <i>Indigenous place names: what they tell us about shared resources</i>
11:25 AM to 12:00 PM	Dale Willman. <i>Science the shit out of it: communicating like your life depends on it</i>

Thursday February 6, 2020

CONCURRENT SESSIONS

 **Coldwater Fisheries (Algonquin)** 

(*Student presentations)

1:20 PM to 1:40 PM	<u>Trevor J. Krabbenhoft</u> and Nathan J. C. Backenstose. The cisco genome assembly (<i>Coregonus artedii</i>) provides a new tool for managing coldwater fisheries in light of climate change
1:40 PM to 2:00 PM	* <u>Matthew Futia</u> . Pushed to the edge: seasonal shifts in habitat use of lake trout in Lake Champlain
2:00 PM to 2:20 PM	Avril M. Harder et al. (presented by <u>William R. Ardren</u>). Among family variation in survival and gene expression uncovers adaptive genetic variation in landlocked Atlantic salmon
2:20 PM to 2:40 PM	* <u>Taylor Brown</u> et al. Contemporary spatial extent and environmental drivers of larval coregonine distributions across Lake Ontario
2:40 PM to 3:00 PM	Break
3:00 PM to 3:20 PM	<u>Rosalie Bruel</u> et al. Informing lake trout population management in Lake Champlain with an ecosystem-based approach
3:20 PM to 3:40 PM	Pascal D. Wilkins (presented by <u>Ellen Marsden</u>). Seasonal depth distribution of wild and stocked juvenile lake trout in Lake Champlain
3:40 PM to 4:00 PM	<u>Stacy Furgal</u> . Lake trout in Lake Ontario: searching for the secret to spawning success
4:00 PM to 4:20 PM	* <u>Benjamin Marcy-Quay</u> . Expanding the feasibility of fish and wildlife assessments with close-kin mark-recapture



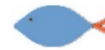
Fish Passage and Restoration (Iroquois)



1:20 PM to 1:40 PM	<u>Jonah Lawrence Withers</u> et al. Evaluation of landlocked Atlantic salmon recolonization in the Boquet River
1:40 PM to 2:00 PM	<u>Abul B. M. Baki</u> . Nature-like fishpasses for aquatic connectivity to conserve and restore fish habitat
2:00 PM to 2:20 PM	<u>Jadziah Hannon-Moonstone</u> et al. Fallback of adult landlocked Atlantic salmon (<i>Salmo salar</i>) transported above hydroelectric dams
2:20 PM to 2:40 PM	* <u>Alex Gatch</u> et al. The potential for restoration of rocky reef spawning habitat with custodial maintenance
2:40 PM to 3:00 PM	Break
3:00 PM to 3:20 PM	<u>Gian Dodici</u> et al. Restoring aquatic habitat connectivity in an upper Susquehanna sub watershed, one crossing at a time.
3:20 PM to 3:40 PM	<u>James E. McKenna, Jr.</u> and Michael T. Slattery. Seasonal responses of walleye abundance to changes in ecological flow
3:40 PM to 4:00 PM	<u>Colby Bowman</u> et al. Freshwater mussel propagation efforts for <i>Leptodea fragilis</i>
4:00 PM to 4:20 PM	<u>Richard Redman</u> . Damn the dams of the Adirondacks



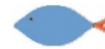
Ecological Interactions (Wright)



1:20 PM to 1:40 PM	<u>Jessica E. Best</u> and Rodman G. Getchell. Mycobacterial prevalence in striped bass of the Hudson River
1:40 PM to 2:00 PM	* <u>Chris Marshall</u> et al. Distribution and ecology of <i>Ergasilus cotti</i> (Kellicott 1897) from mottled sculpin and rainbow darter
2:00 PM to 2:20 PM	Chris Marshall et al. (presented by * <u>Ruby Dener</u>). A survey of parasitic crustaceans in Oneida Lake
2:20 PM to 2:40 PM	<u>Craig Milewski</u> . An Adirondack case study of freshwater community ecology and shoreline organic matter
2:40 PM to 3:00 PM	Break



Rivers and Streams (Wright)



3:00 PM to 3:20 PM	<u>Carrienne Pershyn</u> et al. Mapping the spatial distribution of native and non-native trout in the Ausable River watershed.
3:20 PM to 3:40 PM	<u>Scott Cornett</u> . Population trend monitoring for trout streams in NYSDEC Region Nine
3:40 PM to 4:00 PM	* <u>Samantha R. Carey</u> . A comparison of benthic macroinvertebrate communities between the inlets and the outlet of Lake Forest and Lake Allure, NY.
4:00 PM to 4:20 PM	* <u>Amir Golpira</u> and Abul Basar M. Baki. Mean and turbulent flow characteristics within an array of boulders with different boulder spacing

Friday February 7, 2020

CONCURRENT SESSIONS

Invasive Species (Algonquin)

(*Student presentations)

8:30 AM to 8:50 AM	<u>Rich Pendleton</u> et al. The Erie Canal - easy navigation for more than just boats
8:50 AM to 9:10 AM	<u>Steven Pearson</u> et al. The threat of northern snakehead to New York waterbodies
9:10 AM to 9:30 AM	<u>Douglas Bishop</u> et al. White catfish and channel catfish in the Hudson River estuary
9:30 AM to 9:50 AM	* <u>Brian Mullin</u> . Invasive copepod infections of introduced salmonids in Lake Ontario
9:50 AM to 10:10 AM	* <u>McKenzie J. Frazier</u> and Susan F. Cushman. The effect of round goby on benthic macroinvertebrate lake communities
10:10 AM to 10:30 AM	Break

Climate Change Influences on Fisheries (Algonquin)

10:30 AM to 10:50 AM	<u>Brian Weidel</u> . Recruitment impediments in Lake Ontario coregonines: contrasting mechanisms and the potential roles of habitat and climate
10:50 AM to 11:10 AM	<u>Julie L. Butler</u> . Building diverse partnerships to facilitate species resiliency
11:10 AM to 11:30 AM	<u>Craig Milewski</u> et al. Historical changes in the fish community in Lower St. Regis Lake, northern Adirondacks: what does it all mean?

11:30 AM to 11:50 AM

James R. Jackson et al. Burbot: Oneida Lake's last coldwater species confronts climate change

 **Fisheries Techniques and Food Webs** 
(Iroquois)

8:30 AM to 8:50 AM

*Kimberly B Fitzpatrick et al. Predator-prey population dynamics modeling for chinook salmon and alewife in Lake Ontario

8:50 AM to 9:10 AM

James Watkins and Taylor Brown. Capacity of zooplankton prey for supporting coregonid restoration efforts

9:10 AM to 9:30 AM

Colleen Keefer et al. Comparing the utility of morphological and genetic identifications of larval fishes

9:30 AM to 9:50 AM

Brian O'Malley. Comparison of size-corrected traditional and geometric morphometrics for separating coregonine forms

9:50 AM to 10:10 AM

*Daniel Sinopoli. Morphological variation of extant bowfins (Amiidae: *Amia*) in the Mississippi River Basin: taxonomic and conservation implications

10:10 AM to 10:30 AM

Break

10:30 AM to 10:50 AM

*Cara Ewell Hodkin and Karin Limburg. Well, that didn't work: the ongoing quest to track anadromous blueback herring using otolith isotopes

10:50 AM to 11:10 AM

Scott George et al. Round 'slowby' – sluggish expansion of an invasive fish towards the Hudson River

11:10 AM to 11:30 AM

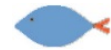
Toniann D. Keiling and Melissa K. Cohen. Largemouth bass populations: New York City vs. New York State

11:30 AM to 11:50 AM

Jacob Cochran. You lost that data sheet! Digital data collection and its utility in fisheries



Rare, Native, and Imperiled Species (Wright)



8:30 AM to 8:50 AM	<p>*<u>Katherine Foley</u> and Susan F Cushman. Competition for food resources between the native lake sturgeon (<i>Acipenser fulvescens</i>) and invasive round goby (<i>Neogobius melanostomus</i>)</p>
8:50 AM to 9:10 AM	<p><u>Dawn Dittman</u> et al. Juvenile lake sturgeon prey consumption in Cayuga Lake, NY.</p>
9:10 AM to 9:30 AM	<p><u>Emily Zollweg-Horan</u>. Cayuga Lake lake sturgeon recovery</p>
9:30 AM to 9:50 AM	<p><u>Matthew Breece</u> et al. Drivers of broad-scale adult Atlantic sturgeon behavior in the Hudson River</p>
9:50 AM to 10:10 AM	<p>*<u>Michael deMoulied</u> and Andrew Gascho Landis. Changes in freshwater mussel communities of the Neversink River, New York, 1990-2019.</p>
10:10 AM to 10:30 AM	<p>Break</p>
10:30 AM to 10:50 AM	<p>*<u>Carl St. John</u>. Does New York have an endemic fish? A 133 year mystery</p>
10:50 AM to 11:10 AM	<p>Amy K. Conley et al. (presented by <u>Lisa Holst</u>). Habitat suitability and management options for maintaining round whitefish (<i>Prosopium cylindraceum</i>) in Adirondack ponds</p>
11:10 AM to 11:30 AM	<p><u>Florian Reyda</u> and Brian Mullin. Extirpation of fish acanthocephalans at their type localities</p>
11:30 AM to 11:50 AM	<p><u>Doug Carlson</u> and Lisa Holst. Monitoring, describing and conserving of imperiled fishes in New York</p>