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

Thursday February 6, 2020

CONCURRENT SESSIONS

 **Coldwater Fisheries (Algonquin)** 

(*Student presentations)

1:20 PM to 1:40 PM	Trevor J. Krabbenhoft and Nathan J. C. Backenstose. The cisco genome assembly (*Coregonus artedi)* provides a new tool for managing coldwater fisheries in light of climate change
1:40 PM to 2:00 PM	*Matthew Futia. 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 William R. Ardren). Among family variation in survival and gene expression uncovers adaptive genetic variation in landlocked Atlantic salmon
2:20 PM to 2:40 PM	*Taylor Brown 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	Rosalie Bruel 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 Ellen Marsden). Seasonal depth distribution of wild and stocked juvenile lake trout in Lake Champlain
3:40 PM to 4:00 PM	Stacy Furgal. Lake trout in Lake Ontario: searching for the secret to spawning success
4:00 PM to 4:20 PM	*Benjamin Marcy-Quay. 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	Jonah Lawrence Withers et al. Evaluation of landlocked Atlantic salmon recolonization in the Boquet River
1:40 PM to 2:00 PM	Abul B. M. Baki. Nature-like fishpasses for aquatic connectivity to conserve and restore fish habitat
2:00 PM to 2:20 PM	Jadziah Hannon-Moonstone et al. Fallback of adult landlocked Atlantic salmon (*Salmo salar*) transported above hydroelectric dams
2:20 PM to 2:40 PM	*Alex Gatch 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	Gian Dodici et al. Restoring aquatic habitat connectivity in an upper Susquehanna sub watershed, one crossing at a time.
3:20 PM to 3:40 PM	James E. McKenna, Jr. and Michael T. Slattery. Seasonal responses of walleye abundance to changes in ecological flow
3:40 PM to 4:00 PM	Colby Bowman et al. Freshwater mussel propagation efforts for *Leptodea fragilis*
4:00 PM to 4:20 PM	Richard Redman. Damn the dams of the Adirondacks

Ecological Interactions (Wright)

1:20 PM to 1:40 PM	Jessica E. Best and Rodman G. Getchell. Mycobacterial prevalence in striped bass of the Hudson River
1:40 PM to 2:00 PM	*Chris Marshall et al. Distribution and ecology of *Ergasilus cotti* (Kellicott 1897) from mottled sculpin and rainbow darter
2:00 PM to 2:20 PM	Chris Marshall et al. (presented by *Ruby Dener). A survey of parasitic crustaceans in Oneida Lake
2:20 PM to 2:40 PM	Craig Milewski. 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	Carrianne Pershyn et al. Mapping the spatial distribution of native and non-native trout in the Ausable River watershed.
3:20 PM to 3:40 PM	Scott Cornett. Population trend monitoring for trout streams in NYSDEC Region Nine
3:40 PM to 4:00 PM	*Samantha R. Carey. 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	*Amir Golpira 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	Rich Pendleton et al. The Erie Canal - easy navigation for more than just boats
8:50 AM to 9:10 AM	Steven Pearson et al. The threat of northern snakehead to New York waterbodies
9:10 AM to 9:30 AM	Douglas Bishop et al. White catfish and channel catfish in the Hudson River estuary
9:30 AM to 9:50 AM	*Brian Mullin. Invasive copepod infections of introduced salmonids in Lake Ontario
9:50 AM to 10:10 AM	*McKenzie J. Frazier 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	Brian Weidel. Recruitment impediments in Lake Ontario coregonines: contrasting mechanisms and the potential roles of habitat and climate
10:50 AM to 11:10 AM	Julie L. Butler. Building diverse partnerships to facilitate species resiliency
11:10 AM to 11:30 AM	Craig Milewski 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	*Katherine Foley and Susan F Cushman. Competition for food resources between the native lake sturgeon (*Acipenser fulvescens*) and invasive round goby (*Neogobius melanostomus*)
8:50 AM to 9:10 AM	Dawn Dittman et al. Juvenile lake sturgeon prey consumption in Cayuga Lake, NY.
9:10 AM to 9:30 AM	Emily Zollweg-Horan. Cayuga Lake lake sturgeon recovery
9:30 AM to 9:50 AM	Matthew Breece et al. Drivers of broad-scale adult Atlantic sturgeon behavior in the Hudson River
9:50 AM to 10:10 AM	*Michael deMoulpied and Andrew Gascho Landis. Changes in freshwater mussel communities of the Neversink River, New York, 1990-2019.
10:10 AM to 10:30 AM	**Break**
10:30 AM to 10:50 AM	*Carl St. John. Does New York have an endemic fish? A 133 year mystery
10:50 AM to 11:10 AM	Amy K. Conley et al. (presented by Lisa Holst). Habitat suitability and management options for maintaining round whitefish (*Prosopium cylindraceum*) in Adirondack ponds
11:10 AM to 11:30 AM	Florian Reyda and Brian Mullin. Extirpation of fish acanthocephalans at their type localities
11:30 AM to 11:50 AM	Doug Carlson and Lisa Holst. Monitoring, describing and conserving of imperiled fishes in New York