

Communicating Fish Science in Minnesota
Minnesota AFS Meeting, February 6-8, 2018 St. Cloud, Minnesota

Date	Time	Event	Location
6-Feb	2:00 PM - 5:00 PM	Registration Open	Front Lobby
	3:30 PM - 5:00 PM	MN AFS Excom Meeting	Board Room
	7:00 PM - 10:00 PM	Welcome Reception	Beaver Island Brewery, 216 6 th Ave. South
7-Feb	7:30 AM - 5:00 PM	Registration Open	South Lobby
	8:00 AM - 8:30 AM	Morning coffee	Grand Ballroom
	8:30 AM - 8:40 AM	Welcome and Introductions Patrick Schmalz & Paul Glander, MN AFS	Grand Ballroom
	8:40 AM - 9:20 AM	Plenary Session: Julie Defilippi Simpson AFS Communication Committee Chairperson <i>To Members...And Beyond! Resources and Strategy for Effective Communications</i>	Grand Ballroom
	9:20 AM - 10:00 AM	Plenary Session: Dr. Katie Steiger-Meister U.S. Fish & Wildlife Service External Affairs <i>Carp-ocalypse now! Your survival guide to invasive species communications</i>	Grand Ballroom
	10:00 AM - 10:20 AM	Open Discussion, Q & A	Grand Ballroom
	10:20 AM - 10:40 AM	Break (Snacks provided)	Poolside
	10:40 AM - 12:00 PM	Concurrent Sessions 1 - Student Presentations	University B, State, Senate/Congress
	12:00 PM - 1:20 PM	Lunch Break	On your own
	1:20 PM - 3:00 PM	Concurrent Sessions 2 - Student/Professional Presentations	University B, State, Senate/Congress
	3:00 PM - 4:30 PM	MN AFS Business Meeting (Snacks provided)	University B
	4:30 PM - 6:30 PM	Poster Session and Social (Snacks provided) ***Please remove posters by 10 PM***	Poolside
	6:30 PM - 9:00 PM	Conference Banquet/Awards/Raffle Speaker: Josh Wert U. S. Fish and Wildlife Service <i>An Overview of FWS Missouri River Fisheries Activities and Invitation to 2019 Joint Meeting with the Dakota AFS Chapter</i>	Grand Ballroom
	9:00 PM -	Hospitality Room (Networking)	Husky Room
	8-Feb	7:50 AM - 10:00 AM	Registration Open
8:00 AM - 8:20 AM		Morning coffee	Hallway between University A and B
8:20 AM - 10:00 AM		Concurrent Sessions 3 - Professional Presentations	University A, University B
10:00 AM - 10:20 AM		Break (Snacks provided)	Hallway between University A and B
10:20 AM - 12:00 PM		Concurrent Sessions 4 - Professional Presentations	University A, University B
12:00 PM		Conference Concludes	

Concurrent Sessions 1 - Student, Late Morning, Feb 7

	University B; Moderator: Donna Perleberg; AV help: Benjamin Miller	State; Moderator: Doug Kingsley; AV help: Nikki Shaw	Senate/Congress; Moderator: John Hiebert; AV help: Cole Daleiden
10:40 AM	'Operation Bucket List: Tracking the Hitchhikers in Minnesota's Bait Supply.' Margaret McEachran	'Effect of beaver on Brook Trout habitat in North Shore, Lake Superior streams.' Kathryn Renik	'A pulsed sound paired with an air curtain is over 98% effective at deterring carp passages in the laboratory.' Clark Dennis
11:00 AM	'Evidence of recruitment failure for 80 years in bigmouth buffalo fish (Ictiobus cyprinellus Valenciennes 1844) populations of the Red River of the North basin: a call for further study and action.' Alec R. Lackmann	'Variability in Spatial Distribution of Larval Yellow Perch in a Northern Lake Ecosystem.' Steve Hauschild	'Koi herpes virus reaches Minnesota lakes: implications for management and biocontrol.' Isalah Tolo
11:20 AM	'Muskellunge Habitat Use and Movement Patterns in the St. Louis River Estuary.' Erin Schaeffer	'The Effect of Self-generated Movement on Lateral Line Sensitivity in the Toadfish, Opsanus tau.' Loranzie S. Rogers	'Using Geospatial Analysis and Host Studies to Determine the Importance of Fish Distribution to the State Threatened Pondmussel (Ligumia subrostrata).' Cameron Swanson
11:40 AM	'Impacts of anthropogenic sound on hearing sensitivities of bigheaded carps.' Andrew Nissen	'Adult Walleye abundance and subsequent fry output in the Tamarac River.' Phillip Oswald	'Assessing Dispersal and Condition of Stocked Walleye Fry in a Northern Minnesota Chain of Lakes.' Heather M. Marjamaa

Concurrent Sessions 2 - Professional, Early Afternoon, Feb 7

	University B; Moderator: Jeff Reed; AV help: Logan Halderman	State; Moderator: Nick Peterson; AV help: Benjamin Erb	Senate/Congress; Moderator: John Hoxmeier; AV help: Sam Peterson
1:20 PM	'Understanding Largemouth Bass Expansion in Northeastern Minnesota.' Bethany Bethke	'Genetic Origin and Movements of Lake Sturgeon in the St. Louis River and Western Lake Superior.' Dan Wilfond	'The influence of land use disturbance on Cisco population characteristics in Minnesota lakes.' Tyler D. Ahrenstorff
1:40 PM	'Muskellunge spawning habitat in Big Mantrap Lake.' Calub E Shavlik	'Protecting Fisheries Through Forestry.' Daniel Steward	'Variable thermal stratification and potential impacts on hypolimnetic oxygen, nutrients, lake productivity, and pelagic fish distribution..' Tim Martin
2:00 PM	'Genetic connectivity of seven fish species sampled above and below the Prairie du Sac dam on the lower Wisconsin River.' Jenna Ruzich	'New Yellow Perch Sampling Net Reveals Surprising Results.' Marc Bacigalupi	'From Water Chemistry to Fish: the Impacts of Zebra Mussels across multiple Trophic Levels in Lake Carlos, MN.' Casey Schoenebeck
2:20 PM	'Impacts of emerging ecological and fishery stressors on the Lake Superior ecosystem.' Bryan Matthias	'.	'The use of angler data in a population estimate in Mille Lacs Lake: what worked and what didn't.' Thomas S. Jones
2:40 PM	'A Multi-scale approach to identifying and addressing the causes of Minnesota's declining Yellow Perch populations.' Bethany Bethke		'City of Eagan & DNR Fin Cooperate to Promote Urban Fishing.' Jessie Koehle

Concurrent Sessions 3 - Professional, Morning, Feb 8

	University A; Moderator: Donna Dustin; AV help: Annika Bollesen	University B; Moderator: Casey Schoenebeck; AV help: Kayla Morey
8:20 AM	'Evaluating the northern pike special regulation for Lake Vermilion 15 years post-implementation.' Matthew J. Hennen	'Status of peripheral Redside Dace populations in Minnesota, 2017.' Douglas J. Dieterman
8:40 AM	'Stable isotope patterns in food webs of Minnesota lakes reflect productivity gradients.' Kyle Zimmer	'Computational agent-based model of fish swimming through Mississippi River locks and dams to block invasive carp passage.' Anvar Gilmanov
9:00 AM	'Open Lands Analysis of the Lost River: What does it mean for the fish?.' Heather Baird	'Assessing the 'site effect' with species distribution models.' Andrew Carlson
9:20 AM	'Foraging mechanisms of siscowet lake trout on deepwater sculpin: effect of light intensity and substrate composition on native predator prey interaction.' Thomas R. Hrabik	'Reproductive dynamics of a native brook trout population following manipulative reduction of an invader.' Loren M Miller
9:40 AM	'Long-term Trends in a Catch-and-Kill Fishing Contest for Brown Trout.' Neal Mundahl	'Just when you thought it was safe to go back in the water...meet the bladderworts, the carnivorous plants of Minnesota lakes..' Donna J. Perleberg

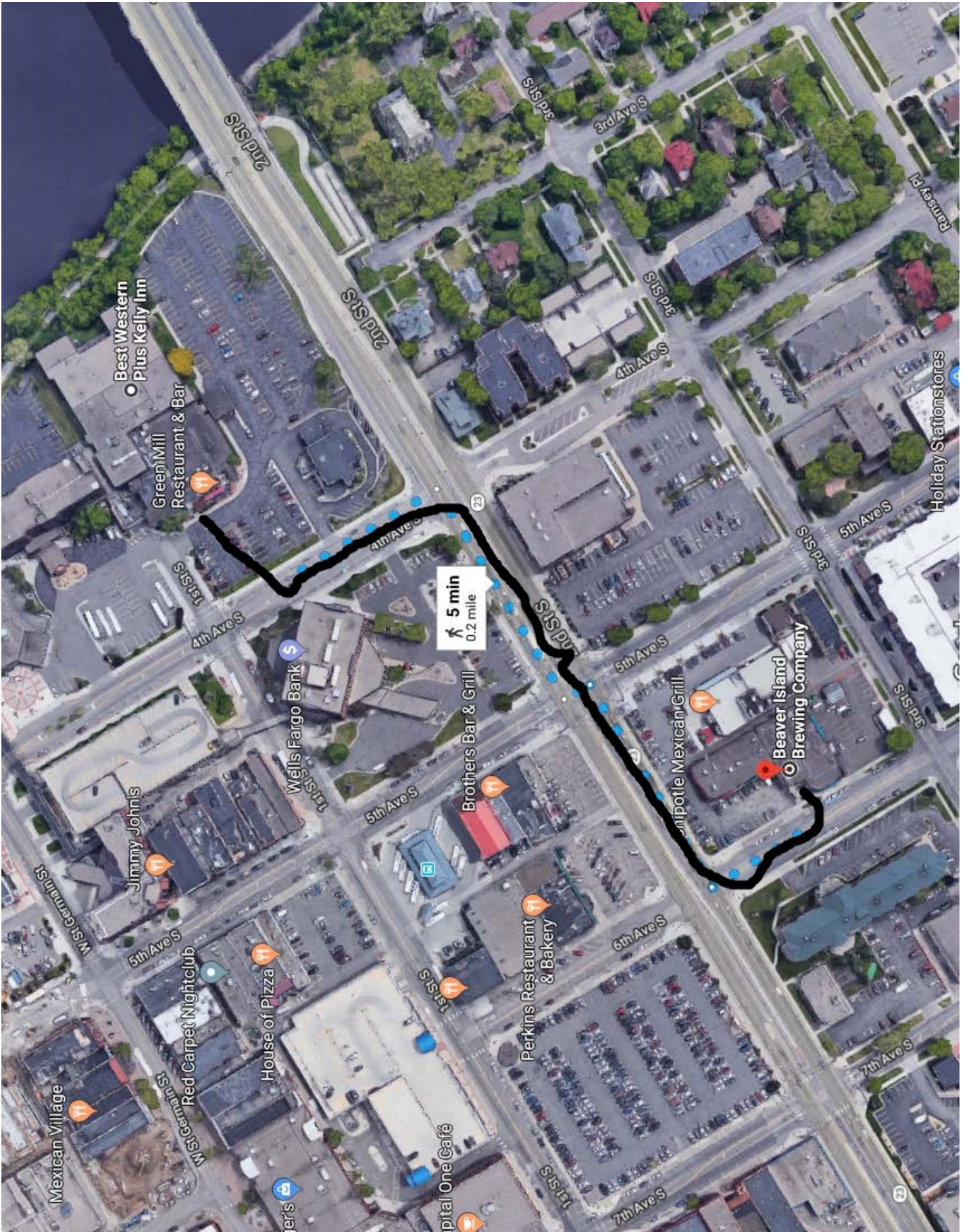
Concurrent Sessions 4 - Professional, Late Morning, Feb 8

	University A; Moderator: Lucas Borgstrom	University B; Moderator: Owen Baird
10:20 AM	'Walleye and Salmon and Shrimp – Oh My! The Future of Food-Fish Aquaculture in Minnesota.' Donald Schreiner	'Blowing in the Wind: Quantifying the Wind-Wave Effect on Nearshore Lake Habitat.' Tim Cross
10:40 AM	'Cisco in Lake Superior: Evaluating a Moving Target.' Beth Holbrook	'Shovelnose Sturgeon and Paddlefish populations and movements in the Minnesota River.' Michael C. Wolf
11:00 AM	'The Sport Fish Restoration Program: A Conservation Success Story.' Hanna Kruckman	'Using Analyses of Lake Sturgeon Tissues to Inform Decisions About Prevention and Management of Invasive Carp in Two National Park Service Units.' Jeffrey Ziegeweid
11:20 AM	'Electrofishing non-wadeable river: Does sampling design affect bioassessments?.' Nathan Mielke	'Largemouth Bass Population Dynamics in Minnesota: Implications of Limited Harvest.' Tanner Stevens
11:40 AM	'Stable isotopes indicate zebra mussels (Dreissena polymorpha) increase dependence of lake food webs on littoral energy sources.' Brian R. Herwig	'Field test of a low-voltage, portable electric barrier to guide common carp into a trap during seasonal migrations.' Przemek Bajer

Special thanks to the Chapter members who worked hard to make this meeting a success - Eric Altena, Mandy Erickson, Paul Glander, Jon Hansen, Craig Kelling, Michelle Krecklau, Kristan Maccaroni, Brian Nerbonne, Heidi Rantala, Keith Reeves, Ann Schneider, Patrick Schmalz, and Calub Shavlik as well as the session moderators, student audio visual helpers and the Bemidji State University Student Chapter.

Poster Session – Student/Professional, Feb 7

Poolside	
Spencer Whilm, Casey Clemensen, Ben Miller, Brian Herwig, Dr. Kyle Zimmer	The Effects of Stocking Yellow Perch in Shallow Southern Minnesota Lakes
Peter C. Jacobson, Simon K. Emms, Jennifer L. Cruise, Kyle D. Zimmer, Ryan C. Grow, Jillian Nielsen Angela R. Tipp, Loren M. Miller	Retention of morphological and ecological traits of Lake Superior cisco <i>Coregonus artedii</i> after translocation into inland lakes
Claire E. Herzog, Catherine E. Hegadus, Kyle D. Zimmer, and Brian R. Herwig	Effects of Northern Pike and Yellow Perch Stocking in Shallow Lake Ecosystems
Craig Kelling, Hanna Kruckman, Paul Glander, Ann Schneider	The Sport Fish Restoration Program: A Conservation Success Story
Shelly Carroll	Drone Intelligence - Elevate your insight
Neal Mundahl, Cody Swoboda	Brown Trout Spawning Redds and Stream Habitat Improvement in Garvin Brook
Derek Bahr	Effects of anthropogenic stressors on fish community condition in Minnesota lakes
Mark S. Pearson ¹ , David Bolgrien ¹ , Jonathon Launspach ² , and Greg Peterson ¹ .	Using Side-scan Sonar to Characterize and Map Physical Habitat and Anthropogenic Underwater Features in the St. Louis River.
Donna Perleberg	How to identify Minnesota's carnivorous lake plants, the bladderworts (<i>Utricularia</i>).
Andy Riesgraf, Jean-Sebastien Finger, Clark Dennis III, Peter Sorensen	A field test examining the ability of a boat motor sound to deter common carp from passing through the lock of a Mississippi River Lock and Dam
Michael Vaske, Michael Wolf, Anthony Sindt	Inventory of Minnesota River Backwater Fish Communities
William French, Casey Shoenebeck, Tim Martin	Bimodal length distribution of age-0 Largemouth Bass in two Minnesota lakes
Paul Radomski, Kristin Carlson	Prioritizing Lakes for Conservation in Lake-Rich Areas: the value of water quality protection and restoration
Steve DeLain, Andrew Herberg, Douglas Dieterman, Chris Dawald	Fish Species of Greatest Conservation Need in the Upper Mississippi River, 2017
David F. Staples	Walleye Recruitment in Minnesota Large Lakes 1984-2016
Cody Coyle, Dr. Andrew Hafs	Seasonal Fluctuations of Zooplankton, Dissolved Oxygen, and Temperature in Lake Bemidji, Minnesota
Samuel Peterson, Dr. Debbie Guelda	Predicting Zebra Mussel effects on Benthic Carbon Dynamics in Lake Bemidji
Kayla Morey, Bradley Ramin, Casey Schoenebeck, Jodie Hirsch	Food habits and prey taxa and size selectivity of age-0 Largemouth Bass in a West-Central Minnesota lake
Cody Coyle, Tyler Robinson, Steve Mortensen, Doug Schultz, Carl Pedersen, Andrew Hafs	Relationships between Double-Crested Cormorant consumption and taxa specific catch rates in Leech Lake, MN
Charles Anderson	Take a YCS model for Walleye, add a dash of age-length key likelihood, and avoid the catchability mess.
Josh Knopik	Floating Leaf and Emergent Vegetation: A summary of statewide data
Ben Miller, Brian Herwig, Casey Clemensen, Spencer Whilm, and Kyle Zimmer	Diet Patterns of Stocked and Native Fishes in Shallow Southern Minnesota Lakes
Benjamin J. Miller, Benjamin D. Erb, Phillip Oswald, Andrew W. Hafs	Fecundity of Female Walleyes in the Red Lakes, Minnesota
Jonathan Hansen, Jim Levitt, Tim Ohmann	Estimating angling effort on four of Minnesota's Fishing in the Neighborhood lakes via time lapse cameras
Jenna Ruzich, Scott Hansen, David Rowe, Wesley Larson	Spatial genetic structure of Smallmouth Bass across Wisconsin



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