

NASPS 2018 Annual Meeting Program

Courtyard Marriot, Columbia, Missouri

Sunday October 21

Registration Opens: 3:00-9:00 [Show Me/University Rooms](#)

Welcome Social: 6:00-9:00 [Show Me/University Rooms](#)

Monday October 22: Concurrent Presentation Schedule

Concurrent Sessions-Salon C

Session	Time Slot	Title	Presenter
Biology and Ecology	8:30-8:50	Evaluation of Methods for Estimating Age and Growth of Lake Sturgeon	Aaron O'Connell
	8:50-9:10	Otolith Calcium Carbonate Diversity in Paddlefish and Four Species of Sturgeon and Applications for Ecological Microchemistry Studies	Brenda Pracheil
	9:10-9:30	Quantifying Spawning Runs of Atlantic Sturgeon in the Altamaha River System, Georgia	Cortney Bunch
	9:30-9:50	Factors Affecting Lake Sturgeon Spawning Migration in the Black River, MI	Douglas Larson
	9:50-10:10	Population Dynamics and Movement of Shovelnose Sturgeon in a Missouri River Impoundment	Hilary Meyer
BREAK			
Biology and Ecology	10:40-11:00	Comparing Models and Abundance Estimates of Adult Atlantic Sturgeon in the York River, Virginia, from 2013 to 2017	Jason Kahn
	11:00-11:20	Seasonal and Diel Vertical Movement of Paddlefish in the Upper Mississippi River Basin	John Hoxmeier
	11:20-11:40	Experimental Evidence for the Influences of Light, Prey Density, and Body Size on Larval Lake Sturgeon Survival	Joseph Riedy
	11:40-12:00	Synthesizing 15 Years of Shovelnose Sturgeon Relative Weight Data in the Lower Missouri River	Juju Wellemeyer
LUNCH			
Biology and Ecology	1:30-1:50	Investigating Spawning Success of White Sturgeon in the Upper Columbia River Canada to Inform Adaptive Management Strategies	Katy Jay
	1:50-2:10	Physical Characteristics and Simulated Transport of Pallid Sturgeon and Shovelnose Sturgeon Eggs	Kimberly Chojnacki
	2:10-2:30	Seasonal Movements and Habitat Use of Juvenile Lake Sturgeon in Lake Champlain	Lisa Izzo
	2:30-2:50	Lake Sturgeon Movement in a Southern Lotic Population with Comparisons to Other Populations Across its Range	Michael Moore
BREAK			
Conservation Genetics	3:20-3:40	Genomics and Fine-scale Population Structure in Lake Sturgeon	Amy Welsh
	3:40-4:00	A Novel Method for Rigorous Estimation of Spawner Number, N_s , using Colony	Andrea Schreier
	4:00-4:20	Molecular Data Quantify Factors Affecting Levels of Larval Lake Sturgeon Predation by Piscivorous Fishes in the Black River, MI	Kim Scribner
	4:20-4:40	Production and Verification of Mitotic Gynogens for Development of Genomic Resources in Pallid Sturgeon	Richard Flamio Jr.
	4:40-5:00	Improvements of Genetic Analyses for Species Discrimination of Acipensiformes Unhatched Embryos	Tom Kashiwagi
NASPS Activities	5:30-6:30	Student-Mentor Social (Show Me Room)	

Monday October 22: Concurrent Presentation Schedule Continued

Concurrent Sessions-Salon D

Session	Time Slot	Title	Presenter
Aquaculture and Conservation Propagation	8:30-8:50	Elemental Marking of Lake Sturgeon Fin Rays to Identify Hatchery Reared Individuals Post Release	Alison Loepky
	8:50-9:10	A Comparison of Methods for Determining Ploidy in White Sturgeon	Aviva Fiske
	9:10-9:30	Development of Predictive Egg Quality Indicators in Paddlefish: Egg Morphology, Tissue Culture, and Hormonal Indicators	Benjamin Thomas
	9:30-9:50	Incidence of Spontaneous Auto-Polyploidy in Hatchery and Wild Lake Sturgeon Populations	Doug Aloisi
	9:50-10:10	Effects of Poly Unsaturated Fatty Acid Enriched Artemia on Growth, Fatty Acid Compositions, Energy Density and Aerobic Scope of Age-0 Lake Sturgeon	Gwangseok Yoon
BREAK			
Aquaculture and Conservation Propagation	10:40-11:00	Reducing Hatchery Production of 12N White Sturgeon	Joel Van Eenennaam
	11:00-11:20	Physiological Differences of Stress and Metabolic Responses in Diploid and Triploid White Sturgeon	Michaiah Leal
	11:20-11:40	The Influence of Different Hatchery Rearing Techniques on the Development of Larval Lake Sturgeon	William Bugg
	11:40-12:00	Global Sturgeon and Caviar Productions from the Beginning of Farming to 2017	Paolo Bronzi
LUNCH			
Management	1:30-1:50	Genetic Origins and Movement of Lake Sturgeon in the St. Louis River and Western Lake Superior	Kayden Estep
	1:50-2:10	Three Obstacles to Recovering Pallid Sturgeon in the Missouri River	Michael Mac
	2:10-2:30	Lake Sturgeon Recovery in the Sturgeon Falls Section of the Menominee River	Mike Donofrio
	2:30-2:50	Engaging Science to Manage a Very Rare Fish in a Very Large River – Pallid Sturgeon in the Missouri River	Robert Jacobson
BREAK			
Management	3:20-3:40	Acipenserid Herpesvirus 1 in Lake Sturgeon of Wisconsin	Ryan Koenigs
	3:40-4:00	A Structured Decision Making Approach to Redesigning the Pallid Sturgeon Population Assessment Program	Sara Reynolds
	4:00-4:20	Paddlefish Exploitation and Movements within the Mississippi River Basin	Thomas Devine
	4:20-4:40	Combining a Mark and Recapture Study with a Creel Survey to Estimate Abundance and Exploitation of Paddlefish in Webber's Falls Reservoir, Oklahoma	Adam Geik
	4:40-5:00	10 Years of Recreational Sturgeon Fishery Management in the Fraser River. What Have We Learned and What Do We Have to Show For It?	Erin Stoddard
NASPS Activities	5:30-6:30	Student-Mentor Social (Show Me Room)	

Tuesday October 23: Concurrent Presentation Schedule Continued

Concurrent Sessions-Salon C

Session	Time Slot	Title	Presenter
Habitat Restoration	8:30-8:50	Pallid Sturgeon Spawning Habitat on the Lower Missouri and Yellowstone Rivers: What Is It, Where Is It, and How Do We Know if It Is Working?	Caroline Elliott
	8:50-9:10	If You Build It Will They Stay? Maturation and Longevity of Artificial Fish Spawning Reefs in the St. Clair-Detroit River System	Jason Fischer
	9:10-9:30	Pallid Sturgeon Seasonal Habitat Selection in a Large Free-flowing River, the Lower Mississippi River	Patrick Kroboth
	9:30-9:50	Lake Sturgeon Response to a Decade of Spawning Habitat Restoration in the St. Clair-Detroit River System	Robin DeBruyne
	9:50-10:10		
BREAK			
Management	10:40-11:00	Exploitation of Paddlefish in Missouri's Large Reservoirs	Dustin Broaddus
	11:00-11:20	Trends from 22 Years of Lake Sturgeon Assessments in the St. Clair System	Andrew Briggs
	11:20-11:40	Environmental Factors in Relation to Sampling Gear Effectiveness for Scaphirhynchus Species on the Lower Missouri River	Adam McDaniel
	11:40-12:00	Tracking Fraser Giants Part Deux: What Have We Discovered about Migration and Habitat Use	Erin Stoddard
BUSINESS LUNCH			
Management	1:50-2:10	Human Dimensions of Oklahoma Paddlefish Management: A Decade of Angler Feedback and Observation	Jason Schooley
	2:10-2:30	Factors Affecting Telemetry-derived Survival Estimates of Highly Migratory Atlantic Coast Fish	Jason Kahn
	2:30-2:50	Maumee River Lake Sturgeon Restoration Program	Jennifer Johnson
	2:50-3:10	Estimating Precision and Accuracy of High Resolution Side-scan Sonar Length Estimates of Overwintering Adult Shortnose Sturgeon in the Hudson River	Amanda Higgs
BREAK			
Management	3:40-4:00	Adaptive Management of Kootenai River White Sturgeon Recovery	Shawn Young
	4:00-4:20	An Acoustic Telemetry Evaluation of Lake and River Mixing Rates for Juvenile Hatchery Kootenay White Sturgeon	Sarah Stephenson
	4:20-4:40	30 Years of Recovery Actions of Adriatic Sturgeon in Italy: Some Good Results	Paolo Bronzi
NASPS Activities	5:30-6:30	Scute Shuffle Run/Walk (Meet in Lobby of Hotel)	
	7:30-11:00	Student Subunit Social (Meet in Lobby at 7:30; Offsite)	

Tuesday October 23: Concurrent Presentation Schedule Continued

Concurrent Sessions-Salon D

Session	Time Slot	Title	Presenter
Biology and Ecology	8:30-8:50	Recruitment and Overwinter Habitat Use of Juvenile Gulf Sturgeon in the Apalachicola River, FL	Nathaniel Hancock
	8:50-9:10	Pallid Sturgeon Migrations, Spawning, and Free Embryo Dispersal in the Yellowstone River and Missouri River, Montana and North Dakota	Patrick Braaten
	9:10-9:30	Acoustic Telemetry and Benthic Habitat Mapping Informs the Spatial Ecology of Shortnose Sturgeon in the Hudson River, NY, USA	Rich Pendleton
	9:30-9:50	Effects of Changes in Alternative Prey Densities on Predation of Drifting Lake Sturgeon Larvae	Shaley Valentine
	9:50-10:10	Preliminary Results of Lake Sturgeon Spawning Migrations into Tributaries to Eastern Lake Superior	William Gardner
BREAK			
Biology and Ecology	10:40-11:00	Juvenile Green Sturgeon Migration from the Upper Sacramento River to the Legal Delta: 2016 -2017	William Poytress
	11:00-11:20	The Use of Radio Frequency Identification to Characterize Factors Associated with Sperm Concentration in Male Lake Sturgeon	Zachary Witzel
Fish Passage	11:20-11:40	An Evaluation of Optimal Surgical Incision Placement and Closure Methods for Intracoelomic Transmitter Implantation for Age-0 Lake Sturgeon	Jonathan Hegna
	11:40-12:00	Examining Movement and Maximizing Capture of Lake Sturgeon in the Fish Elevator on the Menominee River	Nicholas Porter
BUSINESS LUNCH			
Regulated Rivers	1:50-2:10	Evaluating Site Fidelity of Translocated Paddlefish in a Regulated System	Chelsea Gilliland
	2:10-2:30	Early Results of a Long-term Lake Sturgeon Stocking and Juvenile Monitoring Program in Northern Manitoba, Canada	Cheryl Klassen
	2:30-2:50	Juvenile Lake Sturgeon Recruitment Monitoring: Project Effects or Cryptic Population Regulation via Density Dependent Interactions?	Craig McDougall
	2:50-3:10	Applying Back-calculations of Age-0 Scaphirhynchus Drift to Identify Potential Spawning Locations	Edward Bulliner
BREAK			
Regulated Rivers	3:40-4:00	Movement and Habitat Use Patterns of Juvenile Lake Sturgeon in a Small Hydroelectric Reservoir System	Edward Baker
	4:00-4:20	Lake Sturgeon Harvest Vulnerability Based on Acoustic Telemetry in the St. Croix, Mississippi, and Chippewa Rivers	Joel Stiras
	4:20-4:40	Monitoring to Detect Results during Construction and Operation of a New Hydro Generating Station: A Case Study in the Early Stages	Stephanie Backhouse
NASPS Activities	5:30-6:30	Scute Shuffle Run/Walk (Meet in Lobby of Hotel)	
	7:30-11:00	Student Subunit Social (Meet in Lobby at 7:30; Offsite)	

Wednesday October 24: Special Symposia and Presentation Schedule

Special Symposia-Salons C and D

Session	Time Slot	Title	Presenter
Special Symposia	8:20-8:30	Recruitment Bottleneck Special Symposia Introduction	
	8:30-9:00	Plenary Talk	Chris Chambers
	9:00-9:15	Gulf Sturgeon	Joe Heublein
	9:15-9:30	White Sturgeon	Jason McLellan
	9:30-9:45	Shovelnose Sturgeon	Sara Tripp
	9:45-10:00	Atlantic Sturgeon	Dewayne Fox
BREAK			
Special Symposia	10:30-10:45	Paddlefish	Jason Schooley
	10:45-11:00	Lake Sturgeon	Kim Scribner
	11:00-11:15	Pallid Sturgeon	Aaron DeLonay
	11:15-11:30	Shortnose Sturgeon	Stephania Bolden
LUNCH			
Special Symposia	12:30-12:45	Green Sturgeon	Joe Heublein
	12:45-1:00	Alabama Sturgeon	Steve Rider
	1:00-2:00	DISCUSSION	
BREAK			
Bottlenecks to Recovery	2:30-2:50	Sturgeon Are Spawning Where? What We Found When "Trying" to Confirm White Sturgeon Spawning Habitats in the Lower Fraser River	Erin Stoddard
	2:50-3:10	Shovelnose Sturgeon Response to Channel Modification in the Lower Missouri River, USA	Tom Boersig
	3:10-3:30	Influences of Hypoxia on American Paddlefish	Peter Allen
	3:30-3:50	Evaluating Flow Management as a Strategy to Recover Pallid Sturgeon in the Upper Missouri and Yellowstone Rivers	Susannah Erwin
BREAK			
NASPS Activities	5:00-6:00	Poster Social-Salons A and B	
	6:00-10:00	Banquet and Raffle-Show Me/University Rooms	

Thursday October 25: Workshops