



## NASPS Annual Meeting - Program at a glance

October 26<sup>th</sup>-28<sup>th</sup>, 2021

Registration for the webinar will be available on the NASPS website under the conference page. Please visit [www.nasps-sturgeon.org](http://www.nasps-sturgeon.org) as

meeting details will be updated regularly.

All times are listed as Pacific Standard Time.

### Tuesday October 26th

7:45 - 8:00	Welcome and updates	NASPS
8:00 - 9:40	Presentations	
9:40 - 10:00	Interactive Break	
10:00 - 11:40	Presentations	
11:40 - 12:00	Interactive Break	
12:00 - 13:00	Presentations	
13:30 - 14:15	Student-Mentor Panel	NASPS Student Subunit

### Wednesday October 27th

7:45 - 8:00	Welcome and updates	NASPS
8:00 - 8:30	World Sturgeon Conservation Society	WSCS
8:30 - 9:50	Presentations	
9:50 - 10:10	Interactive Break	
10:10 - 10:40	NASPS Business Meeting	NASPS
10:40 - 12:00	Presentations	
12:00 - 12:20	Interactive Break	
12:20 - 13:20	Presentations	
13:20 - 13:40	Interactive Break	
13:40 - 14:30	Poster Session	NASPS Poster Session
14:30 - 16:00	Student Social	NASPS Student Subunit

### Thursday October 28th

7:45 - 8:00	Welcome and updates	NASPS
8:00 - 9:40	Presentations	
9:40 - 10:00	Interactive Break	
10:00 - 11:00	Presentations	
11:00 - 11:20	Interactive Break	
11:20 - 12:20	Presentations	
12:20 - 13:00	Student Awards and Raffle Draw	NASPS

## Day 1 – Tuesday, October 26<sup>th</sup>, 2021

<b>Time</b>	<b>Presenter</b>	<b>Title/Event</b>
07:45 – 08:00	NASPS	Welcome and Updates
08:00 – 08:20	Tanner Cox	First maturity, spawning periodicity, and follicular atresia of hatchery-origin pallid sturgeon above Fort Peck Reservoir, Montana
08:20 – 08:40	Amanda Coen	Balancing genetic diversity and sample size in a recruitment-limited population of white sturgeon
08:40 – 09:00	William Bugg	The effects of population and thermal acclimation on the growth, condition, and cold responsive mRNA expression of age-0 lake sturgeon
09:00 – 09:20	Madison Earhart	How hot is too hot? Physiological consequences of rearing white sturgeon embryos at relevant Nechako River temperatures
09:20 – 09:40	Gwangseok Yoon	Long-term effects of omega-3 fatty acids enriched diet on growth and metabolic processes in age-0 lake sturgeon
09:40 – 10:00		Break
10:00 – 10:20	Hilary Treanor	Enhancing survival and condition of first-feeding larval pallid sturgeon through diet
10:20 – 10:40	Ian Bouyoucos	Measuring metabolic rate post-feeding in age-0 lake sturgeon
10:40 – 11:00	Alyssa Weinrauch	Morphology, enzyme activity and hormonal regulation of digestive function in the developing lake sturgeon
11:00 – 11:20	Tyler Edwards	Sensing the environment: Using olfaction to understand dietary preferences in lake sturgeon
11:20 – 11:40	Junho Eom	Electrophysiological and behavioral responses of larval white sturgeon to conspecific alarm cues
11:40 – 12:00		Break
12:00 – 12:20	Adam Downie	The swimming performance of sturgeons across life history: Blending eco-physiology and conservation perspectives
12:20 – 12:40	Jordan Cranmer	Surviving with the sturgeon, conservation initiatives and community outreach during a global pandemic
12:40 – 13:00	Steve McAdam	Nechako white sturgeon recovery under uncertainty and the tussle between long-term and short-term solutions
13:30 – 14:15		Student-Mentor Panel

## Day 2 – Wednesday, October 27<sup>th</sup>, 2021

<b>Time</b>	<b>Presenter</b>	<b>Title/Event</b>
07:45 - 08:00	NASPS	Welcome and Updates
08:00 – 08:30	Jörn Gessner & Paolo Bronzi	WSCS Update
08:30 – 08:50	Dewayne Fox	Making a splash; incorporating non-traditional data sources to assist in the conservation and recovery of sturgeons
08:50 – 09:10	Caleb Jetter	Fine-scale movement patterns and behavior states of white sturgeon in a regulated river
09:10 – 09:30	Douglas Larson	Migratory behavioral variability and trade-offs between intra-annual reproductive effort and subsequent inter-spawning interval in male lake sturgeon
09:30 – 09:50	Jason Schooley	Recruitment contributions of headwater rivers and natal infidelity in the Grand Lake, Oklahoma paddlefish stock
09:50 – 10:10		Break
10:10 – 10:40	NASPS	NASPS Business Meeting
10:40 – 11:00	Sebastian Dalgarno	Accounting for variation in detection efficiency in an acoustic telemetry array in upper Columbia River, BC, and implications for analyzing white sturgeon movements
11:00 – 11:20	Joseph Jerry Riedy	Lake sturgeon larvae exposed to alarm cue use associative learning to avoid predation
11:20 – 11:40	Jason Kahn	Calculating adult sex ratios from observed breeding sex ratios for wide-ranging, intermittently breeding species
11:40 – 12:00	Sarah Stevenson	Kootenay White Sturgeon telemetry, wild and hatchery evaluations over the last 18 years
12:00 – 12:20		Break
12:20 – 12:40	Ryan Gary	Factors leading to differences in recruitment potential of American paddlefish among two reservoir tributaries of Keystone Lake, Oklahoma
12:40 – 13:00	Molly Takacs	Abundance and growth of juvenile Atlantic sturgeon in Winyah Bay, SC
13:00 – 13:20	Lauren Eaton	Synthesizing a decade of lake sturgeon early life history research in the St. Clair-Detroit River system
13:20 – 13:40		Break
13:40 – 14:30		NASPS Poster Session
	Alaina Taylor	Using fin ray microchemistry and ring structure to predict spawning periodicity and first reproduction in lake sturgeon
	Morgan Anderson	Using eDNA to monitor spatial and temporal distribution of lake sturgeon in the Winnipeg River
	Jenna Drummond	Determining the regionality of glucose digestion and absorption along the gastrointestinal tract of lake sturgeon
	Kaela Middleton	The physiological effects of cold temperatures on activity and feeding for Atlantic and shortnose sturgeons
14:30 – 16:00		Student Social

Day 3 – Thursday, October 28<sup>th</sup>, 2021

Time	Presenter	Title/Event
07:45 - 08:00	NASPS	Welcome and Updates
08:00 – 08:20	Shannon White	A microsatellite genetic baseline for North American Atlantic sturgeon with application for mixed-stock analyses
08:20 – 08:40	Joshua Neary	Use of fin spine microchemistry to assess movement of juvenile Gulf sturgeon in the Pascagoula and Pearl River systems
08:40 – 09:00	Aviva Fiske	Development of parentage-based genetic tagging for conservation of white sturgeon
09:00 – 09:20	Jason Schooley	Pursuit of world record paddlefish in Oklahoma-Insights from a fishing guide on angling technology and conservation
09:20 – 09:40	Kim Scribner	Composition of lake sturgeon mixtures in Lake Michigan: Hierarchical spatial heterogeneity and evidence of improving recruitment in Wisconsin spawning populations
09:40 – 10:00		Break
10:00 – 10:20	Steven Rider	Preliminary assessment of paddlefish relative abundance with observations on population characteristics from the Alabama section of the Tennessee River
10:20 – 10:40	Colby Gainer	Assessment of paddlefish snag fishery at Fort Gibson Dam
10:40 – 11:00	Sima Usvyatsov	Shiny app development for interaction with Kootenay(i) white sturgeon telemetry data
11:00 – 11:20		Break
11:20 – 11:40	Kaitlynn Weisgerber	Haematological evidence of a decaploid lake sturgeon in Slave Falls Reservoir, Manitoba, Canada
11:40 – 12:00	Nicky Mucciarone	Somatic growth trends of juvenile hatchery origin Kootenai(y) River white sturgeon
12:00 – 12:20	Hae Kim	<i>Scaphirhynchus</i> sturgeon drift dynamics in the Mississippi and Missouri Rivers
12:20 – 13:00	Student Subunit	<b>Student Awards and Raffle</b>