



NASPS Annual Meeting - Program at a Glance

October 23rd-26th, 2022

Sunday October 23

15:00 - 20:00	Registration Open	Outside Sierra Ballroom
17:00 - 20:00	Welcome Social	Pavilion

Monday October 24

7:00 - 8:00	Breakfast (included in registration)	Sierra Ballroom
7:00 - 8:00	Registration	Outside Sierra Ballroom
8:00 - 8:10	Opening Remarks	Sierra Ballroom
8:10 - 9:50	Presentations	Sierra Ballroom
9:50 - 10:20	Break	Outside Sierra Ballroom
10:20 - 11:40	Presentations	Sierra Ballroom
11:40 - 13:00	Lunch (included in registration)	Sierra Ballroom
13:00 - 14:20	Presentations	Sierra Ballroom
14:20 - 14:50	Break	Outside Sierra Ballroom
14:50 - 15:50	Presentations	Sierra Ballroom
16:30 - 17:30	Student-Mentor Social	Sierra Ballroom

Dinner on Your Own

Tuesday October 25

7:00 - 8:00	Breakfast (included in registration)	Sierra Ballroom
7:00 - 8:00	Registration	Outside Sierra Ballroom
8:00 - 8:10	Opening Remarks	Sierra Ballroom
8:10 - 9:50	Presentations	Sierra Ballroom
9:50 - 10:20	Break	Outside Sierra Room
10:20 - 12:00	Presentations	Sierra Ballroom
12:00 - 13:00	Lunch (included in registration)	Sierra Ballroom
13:00 - 13:40	Presentations	Sierra Ballroom
13:40 - 14:20	NASPS Business Meeting	Sierra Ballroom
14:20 - 14:50	Break	Outside Sierra Ballroom
14:50 - 16:10	Presentations	Sierra Ballroom

17:30 - 20:00 BBQ at City Lions Park Pavilion, Folsom

Program at a Glance continued

Wednesday October 26

7:00 - 8:00	Breakfast (included in registration)	Sierra Ballroom
7:00 - 8:00	Registration	Outside Sierra Ballroom
8:00 - 8:10	Opening Remarks	Sierra Ballroom
8:10 - 9:30	Presentations	Sierra Ballroom
9:30 - 10:00	Break	Outside Sierra Ballroom
10:00 - 11:20	Presentations	Sierra Ballroom
11:20 - 12:30	Lunch (included in registration)	Sierra Ballroom
12:30 - 14:00	Workshops	Sierra 1 and Sierra 2
14:00 - 14:30	Break	Outside Sierra 1 and Sierra 2
14:30 - 16:00	Workshops	Sierra 1 and Sierra 2
18:00 - 19:00	Poster Social	Sierra Ballroom
19:00 - 22:00	Banquet	Sierra Ballroom

NASPS Program
Day 1 – Monday, October 24th, 2022

Time	Presenter	Title/Event
08:00 - 08:10	NASPS	Welcome and Opening Remarks
08:10 – 08:30	Thomas Friedrich	The path towards a multinational population monitoring in the Danube River
08:30 – 08:50	Elizabeth Greenheck	Gulf Sturgeon use of Mobile Bay, AL; A large estuary outside of designated critical habitat for the species
08:50 – 09:10	James Crossman	Competition overwhelms environment and genetic effects on growth rates of endangered white sturgeon from conservation aquaculture
09:10 – 09:30	Dewayne Fox	The expanding sturgeon captive culture industry threatens decades of global conservation efforts
09:30 – 09:50	Steven McAdam	Nechako white sturgeon: research supporting habitat restoration
09:50 – 10:20		Break
10:20 – 10:40	Zarah Deutsch	Captive bolt stunning to improve fish welfare for euthanasia and slaughter in sturgeon
10:40 – 11:00	Alaina Taylor	Using fin ray microchemistry to age Lake Sturgeon
11:00 – 11:20	Ayodeji Fagbohun	Dietary optimization of macronutrients in on-growing White Sturgeon
11:20 – 11:40	Sarah Stephenson	Navigating sampling challenges and habitat variability for monitoring and evaluating a White Sturgeon hatchery program
11:40 – 13:00		Lunch
13:00 – 13:20	Riley Brown	Snake River White Sturgeon repatriation aquaculture: The implementation and evolution of a fish culture program built from the ground up
13:20 – 13:40	Jennifer Johnson	Lake Michigan Lake Sturgeon rehabilitation using streamside rearing
13:40 – 14:00	Mike Manky	Adaptive management of Nechako White Sturgeon conservation fish culture program
14:00 – 14:20	Jack Buckner	A mathematical model to assess the genetic and demographic risks of a White Sturgeon conservation hatchery
14:20 – 14:50		Break
14:50 – 15:10	Kaitlynn Weisgerber	Quantifying spontaneous autopolyploidy in wild and hatchery reared Lake sturgeon
15:10 – 15:30	Tamar Beridze	Sturgeon diversity and interspecies hybridization in Eastern Black Sea, Georgia
15:30 – 15:50	Lauren Schumacher	Genetic determination of sex ratios for spawning Lake Sturgeon within Lake Superior's tributaries

Day 2 – Tuesday, October 25th, 2022

Time	Presenter	Title/Event
08:00 - 08:10	NASPS	Welcome and Opening Remarks
08:10 – 08:30	Rebecca Tibbetts	Gastric evacuation analysis of the Sterlet utilizing gastric lavage and metabarcoding techniques
08:30 – 08:50	Madison Earhart	Physiological effects of elevated temperatures and simulated heatwaves on White Sturgeon embryos and larvae
08:50 – 09:10	William Bugg	Elevated temperatures impact molecular and whole-organism physiological responses of developing Lake Sturgeon
09:10 – 09:30	Matt Thorstensen	Transcriptional responses to interacting pCO ₂ and temperature treatments in Lake Sturgeon
09:30 – 09:50	Morgan Anderson	Detecting spawning activity of Lake Sturgeon with environmental DNA
09:50 – 10:20		Break
10:20 – 10:40	Stephanie Popp	Small scale habitat use of the Sterlet during spawning season in the Danube downstream of the hydropower plant Freudenu
10:40 – 11:00	Dewayne Fox	Just how many Shortnose Sturgeon are out there; A non-traditional approach to estimating sturgeon in a large river system
11:00 – 11:20	Jason Kahn	Calculating adult sex ratios from observed breeding sex ratios for wide-ranging, intermittently breeding species
11:20 – 11:40	Heidrun Eichhorn	Seasonal migration pattern of wild and stocked Sterlets in the Danube
11:40 – 12:00	Michael Andres	Gulf Sturgeon and Paddlefish use of the Pascagoula River system with an emphasis near the only known Gulf Sturgeon spawning reach
12:00 – 13:00		Lunch
13:00 – 13:20	Aviva Fiske	Development of genetic parentage-based tagging in White Sturgeon
13:20 – 13:40	Andrea Schreier	No one sex marker to rule them all: Development of genetic sex markers in sturgeon and paddlefish
13:40 – 14:20		NASPS Business Meeting
14:20 – 14:50		Break
14:50 – 15:10	Jakob Neuburg	First estimations of Sterlet populations based on monitoring data in the Austrian Danube
15:10 – 15:30	Henry Hershey	Simulating fish passage impacts on American Paddlefish metapopulation dynamics
15:30 – 15:50	Erin Gilligan-Lunda	Habitat use and other critical resource needs for anadromous sturgeons in North America
15:50 – 16:10	Kirsten Sellheim	Diversity in habitat use by White Sturgeon revealed using fin ray geochemistry

Day 3 – Wednesday, October 26th, 2022

Time	Presenter	Title/Event
08:00 - 08:10	NASPS	Welcome and Opening Remarks
08:10 – 08:30	Josh Gruber	2016-2019 Upper Sacramento River juvenile Green Sturgeon outmigration investigation
08:30 – 08:50	Amy Hansen	Juvenile Green Sturgeon movement during fall and winter in the Lower Sacramento River, 2016–2020
08:50 – 09:10	Brian Battaile	Using side scan sonar and N-mixture models to estimate the number of adult Green Sturgeon in the Sacramento River, California
09:10 – 09:30	Mary Moser	Potential climate change effects on estuarine residence of Green Sturgeon
09:30 – 10:00		Break
10:00 – 10:20	Joel Van Eenennaam	XXIII years of Green Sturgeon spawning induction: A success story
10:20 – 10:40	Anna Steel	Assessing effects of pesticide exposure on larval Green and White Sturgeon
10:40 – 11:00	Laura Heironimus	Evaluating the timing and distribution of Green Sturgeon in Washington's coastal estuaries
11:00 – 11:20	Matt Sturza	Consistency of Green Sturgeon distinct population segment genetic assignments and telemetry data
11:20 – 12:30		Lunch
12:30 – 14:00		Workshops
14:00 – 14:30		Break
14:30 – 16:00		Workshops