

Monday, August 22, 2022

100B		100C		102AB		102CD		103		
				Contributed Topic: Restoration		Advances in Ecosystem & Population Dynamics, and Marine Resource Economics - Day 1		Contributed Topic: Freshwater Fish Ecology- 1		
8:00 AM				Long-Term Impacts of a Stream Restoration on Biotic Communities Found Within a Midwestern Stream VandenBerg, Alexis		Stock-Recruit Relationship for Spotted Seatrout in Texas Bays Matlock, Gary				
8:20 AM				Restoration Guidance and Watershed Planning for Freshwater Mussels McMullen, Laura				Juvenile Pacific Salmon Habitat Use in Two Puget Sound Floodplain Rivers David, Aaron		
8:40 AM				Seining in the Gap: Eighth Graders Monitor Salish Sea Habitat Restoration Site. Gregg, Jacob		A Framework to Assess and Forecast Spatio-Temporal Dynamics of Fish Stocks in a Changing Environment Hodgdon, Cameron		CANCELLED Performance of Juvenile Salmon Tagged with 8-Mm, 9-Mm, and 12-Mm PIT Tags Tiffan, Kenneth		
9:00 AM				Good Neighbor Authority Can Logging Be Good for Fish? Yes, It Can! Hans, Karen		Spatiotemporal Modeling of Nursery Habitat Using Bayesian Inference: Environmental Drivers of Juvenile Blue Crab Abundance Hyman, Alexander		Size and Distribution of Parr Produced from NOR/HOR Steelhead Spawning Naturally Kennedy, Benjamen		
9:20 AM				Acoustic Telemetry in Support of Adaptive Fish Habitat Management in the Great Lakes Lowe, Michael				Exploring Impacts of Hydrologic Variability on Juvenile Salmon Growth in Southeast Alaska Watersheds Fitzgerald, Kevin		
9:40 AM	Morning Break									
10:00 AM	Plenary Session									
12:00 PM	Lunch									
		Novel Methods for Applying Best Available Science to Conserve Data Limited Species		A Fisheries Biologist's Guide to Using Human Dimensions Data - Day 1		Offshore Wind, Fish, and Fisheries: Emerging Knowledge and Applications - Day 1		Advances in Ecosystem & Population Dynamics, and Marine Resource Economics - Day 1		Contributed Topic: Freshwater Fish Ecology-1
1:20 PM	ANGLING STRESS: IDENTIFICATION of PROTEIN BIOMARKERS in EPIDERMAL MUCUS of STRIPED BASS (MORONE SAXA) Easy, Russell			NOAA Priorities for Offshore Wind and Fisheries Science in the Northeast Region Methratta, Elizabeth		Environmental Conditions Influence Distribution Patterns of Forage Species Morano, Janelle		The Role of the Soundscape in the Behavioral Ecology of Salmonids Murchy, Kelsie		
1:40 PM	Updated Distribution and Genetic Variability of At-Risk Fishes in the BLACK HILLS, SD MORBEN, KRISTINA			Developing a Framework for Identifying Regional Research and Monitoring Needs Hice-Dunton, Lyndie		State-Dependent Life History Theory Predicts Optimal Reproductive Decisions in California Rockfishes Beyer, Sabrina		Migration Estimates of Hatchery Summer Steelhead May Lead to Early Discrimination of Outmigrants Tibbits, Wesley		

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2:00 PM	Use of Innovative Modeling Techniques for Conservation Management of ESA-Listed Rockfishes Selleck, James		Considerations and Lessons Learned for Designing Offshore Wind Fisheries Monitoring Surveys DeCelles, Greg	Linked Site Choice, Trip Duration, and On-Site Cost Model for Non-Resident Alaskan Anglers Dame, Russel	Brook Trout Population Fragmentation and Body Condition Linked to Dewatering and Bedrock Depth Hitt, Nathaniel
2:20 PM	An Integrated Model for Quantifying Covariates of Detectability in Snorkel Surveys Staton, Ben		Effective Stakeholder Engagement in Offshore Wind Energy Development: NYS's Technical Working Groups Brunbauer, Morgan	An Empirical Dynamic Modeling Framework for Missing Data Johnson, Bethany	Influence of Conditions in Lake Superior and Bois Brule River on Returning Migratory Rainbow Trout Hrabik, Thomas
2:40 PM	Simulating Fish Passage Impacts on American Paddlefish Metapopulation Dynamics Hershey, Henry		Early Opportunities in the Pacific to Design Floating Offshore Wind to Coexist with Fisheries White, Kathryn	Estimating Striped Bass Abundance in the Chesapeake Bay Using Spatially Explicit Population Models Nehemiah, Samara	
3:00 PM	Afternoon Break				
3:20 PM	Research Across an International Border: Partnering to Assess a Shared At-Risk Species Pacunski, Bob	You Can't Have Fisheries Without People: An Introduction to Human Dimensions Research Crandall, Chelsey	Pre-Deployment Monitoring of the American Lobster Fishery for a Floating Wind Installation Rzeszowski, Everett	Metamodeling for Bias Estimation of Reference Points Under Two-Parameter Productivity Models Grunloh, Nicholas	
3:40 PM	Traditional Knowledge and Genetics Inform Dolly Varden Conservation in Central Canadian Arctic Weinstein, Spencer	Balancing Biological and Human Dimensions Data for Fisheries Management Decision Making Martin, Allen	Floating Offshore Wind: How Does It Compare with Other Options? Moffitt, Christine	Quantifying the Effects of Assortative Mating on Population Recruitment and Viability May, Samuel	Selfish Nesting Behavior of the Bluehead Chub, a Keystone Stream Fish Betts, Madison
4:00 PM	Management Strategy Evaluation of Lane Snapper, a Data Limited Species Wilson, Adrienne	Interactive Group Activity	Discussion	Impacts of Marine Heatwaves on the Spatiotemporal Distribution of U.S. Pelagic Fisheries Farchadi, Nima	Unwelcome Visitors to Bluehead Chub (Nocomis leptocephalus) Nests Brooks, Samantha
4:20 PM	Recovery Plan Implementation for Imperiled Rockfishes (Sebastes) in the Salish Sea Lowry, Dayv			Identifying Mechanisms Influencing Eastern Pacific Ichthyoplankton Using a Bayesian Framework Dale, Katherine	Spatiotemporal Patterns in the Nest Placement of Bluehead Chub (Nocomis leptocephalus) Bustamante, Thomas
4:40 PM				Participation, Diversification, and Emerging Opportunities in Virginia's Small-Scale Fisheries White, Shelby	Assessing Smallmouth Bass Movement Following Removal of a Low-Head Dam. Humston, Robert

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	111A	111B	111C	300A	300B
	Adaptation and Plasticity in Fishes in Warming Environments - Day 1	Multi-Dimensional Meanings of Fish to the First Peoples of the PNW - Day 1	Contributed Topic: Fish Culture		Growing Fisheries Research and Management Through Angler Engagement
8:00 AM	Population Genomics of Climate Adaptation in Endangered Tidewater Goby McCraney, William	Opening Remarks – Symposium Organizers and Opening Prayer. Under Presenter: Yellowwash (Yakama Nation)			How App-Based Tournaments Can Generate High Quality Fisheries Data from Anglers Simmons, Sean
8:20 AM	Whole Genome Resequencing Identifies Local Adaptation for Redband Trout Andrews, Kimberly	Interconnections Washines, Davis	Analysis of Growth, Stress and Nutritional Quality of Labeo Rohita in In-Pond Raceway System Shahnawaz Janjua, Raja		Iowa Walleye Challenge: Using a Statewide Fishing Tournament to Complement Fisheries Surveys Kopaska, Jeffery
8:40 AM	Parental, But Not Juvenile, Temperature Modulates Offspring DNA Methylation in Brook Charr Venney, Clare	Indigenous First Foods Describe Human Ecological Relationships to Fish and Their Habitats Quaempts, Eric	Advancing Aquatic Animal Drug Approvals for Marine Finfish Ramee, Shane		Navico Sustainability Mission: Engaging Anglers to Map with Sonar to Share with Researchers Valley, Ray
9:00 AM	Beyond Latitude: Thermal Tolerance and Vulnerability of Steelhead Trout Populations Across a Habitat *Student Judging* Dressler, Terra	Dire Straits: Current Status of Salmon and Steelhead Hesse, Jay	Pineapple Juice as a Post-Fertilization Treatment to Reduce Adhesiveness of Walleye Eggs Shields, Robert		Advancing Conservation Through International Partnerships Among NGOs, Governments, Anglers and Science Phillipp, David
9:20 AM		Tribes and Treaty Rights in the Lower Columbia River Oatman, Joseph	Utilizing Digestive Ontogeny to Improve Larval Culture Protocols of <i>Pristella maxillaris</i> Murray, Casey		Using Citizen Science to Overcome Data Gaps in Artisanal Fisheries Neal, J. Wesley
9:40 AM	Morning Break				
10:00 AM	Plenary Session				
12:00 PM	Lunch				
	Adaptation and Plasticity in Fishes in Warming Environments - Day 1	Multi-Dimensional Meanings of Fish to the First Peoples of the PNW - Day 1	Advances in Endogenous Records with Connections to Indigenous Knowledge, Lands, and Waterways	Mississippi-Yangtze River Basin Symposium: Learning from River Conservation and Management Across the Globe - Day 1	Growing Fisheries Research and Management Through Angler Engagement
1:20 PM	Phenotypic Plasticity in Thermal Tolerance and Performance Within and among Redband Trout Population Chen, Zhongqi	Understanding and Restoring Natural Floodplain Function James, Gary	Traditional Storytelling Informing Theoretical Frameworks of 21st Century Indigenous Science Matsaw, Sammy		Involving Anglers in the Management of Lake Pend Oreille, Idaho: A Key to Success Dux, Andy
1:40 PM	The Effect of Temperature, Ph, and Hypoxia on the Metabolic Traits and Hypoxia Tolerance of Redfish Deslauriers, Deslauriers	Nez Perce Tribe's Fisheries Watershed Restoration and Protection Efforts Taylor Jr, Emmit	Historic Otoliths Tell Tales of Lost Life Histories Willmes, Malte		Establishment of a Citizen Science Virus Biosurveillance Network: Read the Room Raines, Clayton

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2:00 PM	Thermotolerance Traits of Broad Whitefish Coregonus Nasus and Saffron Cod Eleginus gracilis Hamman, Carolyn	Mid-Columbia Sedimentation Impacts and Possible Actions to Modify These Impaired Habitats (VIRTUAL) Sharp, Bill	Life History Diversity of a Recovering Salmon River Chinook Salmon Population Kennedy, Brian		Expanding Fisheries Research Through Angler Volunteers (REMOTE) Musick, Susanna
2:20 PM	Adapting with Stress: Environmental and Seasonal Effects on Cortisol in Redband Trout Wooding, Alexander	Grande Ronde River Studies Supporting the Spirit of the Salmon Plan White, Seth	Quantifying the Role of Floodplain Rearing to Sacramento Winter and Fall Run Chinook Salmon Jeffres, Carson		Encounter Rates and Catch-And-Release Mortality of Steelhead in the Snake River Basin Bowersox, Brett
2:40 PM		Harvest & Consumption: A Perspective from a Tribal Fishery Manager Oatman, Joseph	Floodplain-River Food Subsidies Tracked Using Fish Eye Lenses Tilcock, Miranda		Oregon's Marine Reserve Ecological Monitoring Buoyed by Engagement with Local Fishers (REMOTE) Aylesworth, Lindsay
3:00 PM	Afternoon Break				
3:20 PM	Fine-Tuning a DEB Model for An Arctic Shellfish to Predict Distribution Under a Warming Climate Kroeker, Jordan	An Introduction to the Cultural and Recreational Significance of Quillayute River Steelhead Gross, Tyler	Telling An Accurate (And Compelling) Story from Hard-Parts Requires All the Data Hegg, Jens	Identifying Monitoring Information Needs That Support the Management of Fish in Large Rivers Counihan, Timothy	Partnering with Stakeholders to Create Arkansas' Black Bass Management Plan DiCenzo, Vic
3:40 PM	Move, Migrate, Or Tolerate: How Coldwater Fish Cope with Warm Summers in a Large River Barrett, Hannah	Conservation of Genomic Variation for Salmonids in the Columbia River Narum, Shawn	Narrative Science, Endogenous Records, and Storytelling Traditions James, Erin	Causes and Consequences of Changing Ecosystem Heterogeneity in a Large Anthropocene River DeBoer, Jason	Intersections between Long-Term MPA Monitoring and the Human Dimensions of Angler Collaboration Johnston, Erin
4:00 PM	Using Acoustic Telemetry to Quantify Migration Behavior of Columbia River Summer Steelhead Breshears, Logan	Translocations May Help Restore Pacific Lamprey as a Plentiful Local Food Hess, Jon	Stories from Stones: Otoliths, Elements and Narrative Structures Walther, Benjamin	Using the Resist-Accept-Direct (RAD) Framework to Reimagine Large River Management (REMOTE) Ward, Nicole	Recreational Angler Preferences for Red Snapper Fisheries Management Options in the Gulf of Mexico (REMOTE) Chong, Lisa
4:20 PM	Changing Thermal Habits Influence Bioenergetics of a Cold-Water Fish Species *Student Judging* Hlina, Benjamin	Western Freshwater Mussels: Research and Restoration in NE Oregon and SE Washington Maine, Alexa	Diet Isotopes Link Marine Food Webs, Thiamine Deficiency, and Reproductive Failure in Salmon Johnson, Rachel		Volunteer Angler Data Reveal Social-Ecological Effects of Reservoir Creation in Florida Coleman, Tyler Steven
4:40 PM	Oxy-Thermal Habitat Use of Burbot (Lota Lota) in Fraser Lake, British Columbia, Canada Hirsch, Elizabeth	Continuous Light Treatments Reduce Precocious Maturation in Male Juvenile Spring Chinook Salmon Hoffman, Nick	Panel Discussion		Collaborative Fisheries Research to Improve Ocean Management Brooks, Rachel

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5:00 PM					
5:20 PM				Evaluating Functional Responses: A Comparative Study between Mississippi and Yangtze River Fishes Brumm, Kyle	
6:00 PM				Environmental Impact, Challenges and Forwards of Sand Mining in Inland Waters (REMOTE) Meng, Xingliang	
6:40 PM				Meet and Greet/Refreshment Break	
7:20 PM				Ten-Year Fishing Ban and Aquatic Organism Resources Monitoring and Evaluation of the Yangtze River (REMOTE) Chen, Daqing	
7:40 PM				To Pass or Not to Pass, That Is the Question? Evaluation of a Selective Steeppass Fishway. Lamer, James	
8:00 PM				Damming of the Yangtze River and Species Survival of Chinese Sturgeon (REMOTE) Chang, Jianbo	
8:20 PM				Groundwater Change Impacts on Human Communities in the Mekong River Basin (REMOTE) Andersen, Matthew	
8:40 PM				Integrated Practices and Progress on Protecting the Yangtze Finless Porpoise (REMOTE) Wang, Ding	

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	Reintroducing Migratory Fishes and Restoring Their Ecological Roles - Day 1	Building Effective Policy Approaches for Current Fisheries Issues	Contributed Topic: Marine-1	"MacGyvering": Innovative Problem Solving in Fisheries Science	Contributed Topic: Communities and Ecosystems
8:00 AM	Recapping the Phased Approach for Reintroducing Salmon to the Upper Columbia Giorgi, Conor	Shaping the Shoal of Aquaculture Stakeholders Trushenski, Jesse	Biological Reference Points and Harvest Control Rules for Crustacean Fisheries Management Willse, Nathan		Shifts in Pacific Salmon Community Alter Continental-Scale Subsidy Biotransport Walters, David
8:20 AM	Risk Assessment Considerations for Species Reintroduction Efforts to Support Population Recovery Hardiman, Jill	Responsive Science: Bridging the Gap between Research, Scientific Literature, and Policy Colvin, Susan	Discard Mortality, Site Fidelity, and Behavior of Hogfish, <i>Lachnolaimus maximus</i> Ellis, Robert	Propagating Freshwater Mussels: How Inconvenience Led to Host Trial Innovation Holloway, Drew	Utilizing Acoustic Telemetry to Assess Habitat Utilization of Artificial Reefs in NY Scannell, Brittany
8:40 AM	Preliminary Studies to Support Reintroduction of Threatened Species in California's Central Valley Havey, Michelle	Scientific Amici Before the Supreme Court in County of Maui V. Hawaii Wildlife Fund Tai, Stephanie	Modeling Offshore Aquaculture Escape Risk Assessments Using OMEGA Blair, Greg	Constructing and Evaluating a Mobile PIT Tag Monitoring System: The MacGyver Approach Blackburn, Elizabeth	Who's Using the Vegetation: Characterizing Fish Community Structure Among Habitat Types May, Emmanuel
9:00 AM	Assessment of Recovery Viability for Colorado Pikeminnow in Grand Canyon Dibble, Kimberly	Supporting the Recovering America's Wildlife Act Winters, Drue	The Role of Fisheries Economics in Offshore Wind Development Kinnell, Jason	Innovative Electrofishing Equipment: Data, Mapping, and Reporting Made Simple Cooney, Patrick	Loss of Hardbottom Benthic Community Structure Reduces Fish Assemblage Diversity and Function Lennon, Ellery
9:20 AM		Informing the Infrastructure Bill's Provisions on Aquatic Connectivity Neville, Helen		Novel Approach to Utilizing Remote Cameras in Estimating Fishing Effort: Maximizing Efficiency Feltz, Nicholas	Benthic Community Composition on Bluehead Chub Nests Across a Sedimentation Gradient (SC,USA) Evelyn, Isabel
9:40 AM	Morning Break				
10:00 AM	Plenary Session				
12:00 PM	Lunch				
	Reintroducing Migratory Fishes and Restoring Their Ecological Roles - Day 1		Contributed Topic: Marine-1	"MacGyvering": Innovative Problem Solving in Fisheries Science	Restoring Cold-water Habitats for Climate Resiliency in the Upper Columbia Basin
1:20 PM	Walla Walla Basin Spring Chinook Reintroduction: Two Decades of Life Cycle Monitoring Hogg, Robert	Snake River Dam Removal: AFS Must Be the Voice for Fish	Descending Rockfish: Incorporating the Science into Fisheries Management Mattes, Lynn	Cheap Tech: 15 Years of Projects and Concepts in Low-Cost Underwater Cameras Williams, Kresimir	Enhancing and Restoring Access to Cold Water Habitat in the Coeur d'Alene Basin Plue, Erin
1:40 PM	In the Grand Scheme of Things: Contributions of Barriers and Flow Alterations to Fish Imperilment Murphy, Christina		Histological Analysis of Blueline Tilefish Gonads for Improved Stock Assessments Low, Jonathan	Measuring Debris and Invertebrate Drift with a Camera, Sludge Pump, and Pi Neuswanger, Jason	Windfall Creek Stage 0 Restoration Hallock, Stephanie

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	Reintroducing Migratory Fishes and Restoring Their Ecological Roles - Day 1		Contributed Topic: Marine-1	"MacGyvering": Innovative Problem Solving in Fisheries Science	Restoring Cold-water Habitats for Climate Resiliency in the Upper Columbia Basin
2:00 PM	Salmon Habitat in the Blocked Area: Restoring a Home in the Hangman Creek Watershed Biladeau, Thomas	Snake River Dam Removal: AFS Must Be the Voice for Fish	Use of Hydroacoustic Technology for Evaluation of Dredging Effects on Fish Mulvey, Brian	Development of An Innovative Method for Quantifying Substrate Compaction in Streams Wright, Kiah	Using Artificial Rearing as a Tool to Save Bull Trout from Extinction Newsome, Todd
2:20 PM	Marine-Derived Subsidies of Invasive Chinook Salmon Transfer to Invasive In-Stream Rainbow Trout Figueroa-Muñoz, Guillermo			Efficacy and Performance of the Innovasea V3D Predation Tag Hellmair, Michael	A Cold Water Pipe Dream That Became a Reality Maroney, Joseph
2:40 PM	Transplantation of Pre-Spawned Adults as An Important Restoration Strategy for Anadromous Fishes Gephard, Stephen			The Known Sub-Sequence Algorithm: A New Tool for Dealing with Missing Data in Fishery Time Series Benavides, Iván Felipe	Cold-Water Augmentation Within the Pend Oreille River Johnsen, Andy
3:00 PM	Afternoon Break				
3:20 PM	Behavior and Fate of Adult Salmon Translocated Upstream of Chief Joseph and Grand Coulee Dams Baldwin, Casey	Policy and Science Communication Training			Using a Riverscape Approach to Inform Cold-Water Habitat Restoration Mejia, Francine
3:40 PM	Sockeye Salmon Reintroduction in the Yakima Basin: Monitoring a Population Undergoing Naturalization Matala, Andrew		Causes and Consequences of Portfolio Effects in the Chesapeake Bay Demersal Fish Metacommunity Hardison, Sean	Status Quo Versus Innovation When Creating Best Practices Hitchman, Sean	Using Historic Geomorphology to Inform Restoration in the Priest River, Idaho, USA Berntsen, Eric
4:00 PM	Maximizing Survival, Minimizing Stress; Evaluations of a New Stress Relief Pond Mendez, Gonzalo		Occurrence of Shewanella Species Found in Oyster and Seawater from the Chesapeake Bay Johnson, Tahirah		Improving Coldwater Habitat for Native Fishes in An Impaired Idaho River Ross, T.J.
4:20 PM	Is Two Years of Reintroduction Effort Enough to Restore Oregon's Chum Salmon? Smith, Kelcee		Estuarine-Coastal Connectivity of Fishes in a Model Estuary in the Northern Gulf of Mexico Figar, Gabrielle	ADID: A Novel Tool for Determining Edna Transport Dynamics in Streams Herman, Braden	Panel Discussion
4:40 PM	Cle Elum Fish Passage: Providing Passage for Reintroducing Sockeye and Other Salmonids Visser, Richard				

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	303A	303B	401A	401B	401C
	The Future of Fish and Flows: Advances in River Management and Instream Flow Restoration	Contributed Topic: Sportfish Management-1	Challenges in Protecting Fish and Shellfish at Cooling Water Intakes: 316(b) Rule	Contributed Topic: Endangered Species Management	Walleye in the West: Population Dynamics and Management
8:00 AM		Spatial Patterns of Angling Over 60 Years of British Columbia's Steelhead Sport Fishery Charbonneau, Julie	Introductory Remarks	Aquifer Depletion and the Long-Term Decline of An Endangered Springsnail Kenison, Erin	Symposium Introduction: Revisiting "Boost or Bane" Corsi, Matthew
8:20 AM	Muskellunge Spatial Ecology during Winter Drawdowns in a Canadian Regulated, Urban Waterway Bergman, Jordanna	Is Differential Survival of Rainbow Trout Driven from the Top-Down or Bottom-Up? Trujillo, Jane	EPRI Research to Support Clean Water Act 316(B) Optimization Studies Thomas, Jeff	The Influence of Drought and Stream Permanence in Crayfish Colonization-Extinction Dynamics Bayer, Leah	Management Lessons Learned from a Midwest Reservoir Walleye Population Felts, Eli
8:40 AM	Fine-Scale Movement Patterns and Behaviors of White Sturgeon in a Regulated River Jetter, Caleb	Oklahoma Bowfishing Values Toward Nongame Fishes and Their Management Schooley, Jason	Compliance with the IM Standard at Facilities with Uncertain Operating Futures Wiggins, Christopher	Characterizing Movement Patterns of the Endangered Rio Grande Silvery Minnow in a Fragmented River Chavez, Martinique	Are Walleye a Boost or Bane to Colorado Fisheries: A Continental Division Hansen, Adam
9:00 AM	Panel Discussion A - Bergman, Jetter, Strailey, Byrnes	Trophies, Technology, and Timescape in Fisheries Management: World Record Paddlefish as a Case Study Schooley, Jason	Impingement Technology Performance Optimization Study at Nearman Creek GASPER, BRYAN	Endangered Species Act Recovery Criteria and Expenditures for Fish Managed by USFWS Shirey, Patrick	Historical and Current Walleye Populations in Three Southern Idaho Reservoirs. Peterson, Mike
9:20 AM		Why Do Muskie (Esox Masquinongy) Strike Lures? Bieber, John	Challenges in Optimizing Traveling Screens at Madgett Generating Station during a Pandemic. Giza, Dan	How Federal Employees Manage the Challenge of Implementing the Endangered Species Act Jackson, Elizabeth	
9:40 AM	Morning Break				
10:00 AM	Plenary Session				
12:00 PM	Lunch				
	The Future of Fish and Flows: Advances in River Management and Instream Flow Restoration	Experiences with and Views of Online Learning in the Aftermath Campus Shutdowns	Challenges in Protecting Fish and Shellfish at Cooling Water Intakes: 316(b) Rule	YY Males, a Potential New Management Tool for Eradication of Invasive Fish - Day 1	Walleye in the West: Population Dynamics and Management
1:20 PM	Variation in Survival of Endangered Winter-Run Chinook Salmon Outmigrating from the Sacramento River Hassrick, Jason	Student and Instructor Perceptions of Online Teaching Related to COVID-19 Wuellner, Melissa	Automating Compliance with Optimized Screen Operation Hogan, Timothy		Dynamics of An Introduced Walleye Population in the Pend Oreille Basin, Idaho Ryan, Robert
1:40 PM	Use of Mark Recapture Models to Inform Habitat Restoration Actions in Toppenish Creek, WA Romine, Jason		316(B) Lessons Learned Over Multiple Installations DeRousse, Brett	The Trojan Y Chromosome or YY Male Approach to Invasive Fish Eradication: Session Overview Schill, Dan	Walleye Population Performance in Starvation Reservoir, Utah Wolf, Skylar

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	The Future of Fish and Flows: Advances in River Management and Instream Flow Restoration	Experiences with and Views of Online Learning in the Aftermath Campus Shutdowns	Challenges in Protecting Fish and Shellfish at Cooling Water Intakes: 316(b) Rule	YY Males, a Potential New Management Tool for Eradication of Invasive Fish - Day 1	Walleye in the West: Population Dynamics and Management
2:00 PM	Temperature and Habitat Modeling to Inform Streamflow Management in the Willamette River Stratton Garvin, Laurel	Lessons Learned from Transitioning a Field-Based Course to Virtual Instruction Hecke, Kyler	Estimating Credits and Reductions for Systems of Technologies - BTA 6 Stephens, William	Investigating Factors Affecting the Success of YY-Male Programs Using Spatial Simulation Modeling Day, Casey	Low and Slow: Static Walleye Abundance in An Eastern Idaho Reservoir Heckel, John
2:20 PM	Instream Flows Established by the PNW Region of the USDA Forest Service in Cooperation with Partners Capurso, James	Online Learning with On-Foot Training: Students in the Field Smith, Sara	Site-Specific Biological Basis for Design of a 0.5-Mm Slot Size Wedgewire Screen Array BURNETT, JOHN	Simulation of YY Male Stocking and Suppression for Eradicating Common Carp Populations McCormick, Joshua	The Walleye Population in Lake Roosevelt: A 20 Year Investigation Garrett, Daniel
2:40 PM	Panel Discussion B - Hassrick, Romine, Stratton Garvin, Capurso	New Dogs and Old Tricks: Flipped Classroom Design for Professional Training Palm-Flawd, Brittany	Schiller Station's Pilot Wedgewire Screen Study Gurshin, Christopher W.D.	Modelling the Effect of Trojan Sex Chromosomes on a Channel Catfish Population Zeigler, Matthew	Quantifying Piscivore Diets during Juvenile Salmon Out-Migrations in the Columbia River Veggerby, Karl
3:00 PM	Afternoon Break				
3:20 PM	Effective Use of Monitoring and Modeling for Evaluating Cold Water Habitat in Managed Flow Systems Mugunthan, Pradeep	Panel Discussion	Fish Return Engineering Design: What Matters to You? Bleything, Matthew	The Importance of Life History on the Successful Use of YY-Males Amberg, Jon	Food Habits and Trophic Structure of Walleyes in the Pend Oreille Basin, Idaho Frawley, Susan
3:40 PM	Achievement of Hanford Reach Fall Chinook Salmon Protection Program Flow Targets Graf, Peter		A Summary of Benefit-Cost Evaluations Across 316(B) Regulatory Submissions Bingham, Matthew	Sex Marker Discovery for Use in Trojan YY Programs Coykendall, Katharine	Evaluating Walleye Foraging on Stocked Salmonids Through Stable Isotope Analyses of Eye Lens Layers Jaksha, Nathan
4:00 PM	Reframing Hydropower and Aquatic Biodiversity Trade-Offs: Solutions from the Connecticut River Kennedy, Katie		Assessing Nonuse Benefits for Threatened and Endangered Species Kinnell, Jason	Methodologies for Evaluating the Reproductive Success of MYY Brook Trout Following Release Campbell, Matthew	Evaluation of Regulation Change on the Walleye Fishery at Banks Lake, Washington Kenneth, Behen
4:20 PM	Energy-Environment Win-Win Toolkit for Hydropower Environmental and Operational Flows Pracheil, Brenda		Environmental Reports for Nuclear Power Plants: CWA §316(B) & Subsequent License Renewal Huntley, Patricia	Attempts at the Development of Trojan Sex Chromosome Carrying Green Sunfish (<i>Lepomis cyanellus</i>) Teal, Chad	Comparing Walleye Responses between Current and Possible Harvest Regulations in Lake McConaughy, Nebraska Ranta, Mikael
4:40 PM	Panel Discussion C - Mugunthan, Graf, Kennedy, Pracheil		Concluding Remarks and Open Discussion	Lab-Based Evaluation of the RRS of MYY Brook Trout Davenport, Kaeli	Evaluation of a Pilot Walleye Suppression Program in Lake Pend Oreille, ID Geisthardt, Eric

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	402A	402B	402C
	Western Native Trout: Managing the Threats and Building Resiliency - Day 1	Invasive and Introduced Species: Negative Impacts and Unexpected Opportunities - Day 1	Economic Evaluation of Fish Population Responses to Habitat and Water Quality Improvements
8:00 AM	Coupling Westslope Cutthroat Trout Monitoring with Climate Resilient Habitat Restoration Activities Temple, Gabriel	New Name for Bigheaded Carps: It Worked for the Avacado! Irons, Kevin	Opening Remarks : Valuing Fish Population Responses to Habitat and Water Quality Improvements Lesch, Hannah
8:20 AM	Quantifying Restoration Induced Changes in Stream Temperature and Trout Populations Lahr, Andrew	Invasive Blue Catfish : An Unexpected Opportunity for Commercial Fishers in Chesapeake Bay Fabrizio, Mary	Improving Fish Habitat Representation for Water Management Modeling Goodrum, Greg
8:40 AM	Vulnerability of Native Trout in the Rockies: Linking Science & Management for Climate Adaptation Muhfeld, Clint	Aquatic Invasive Species Early Detection and Monitoring Program for the Laurentian Great Lakes Hayer, Cari-Ann	Modeling Responses of Riverine Fish Assemblages to Habitat and Water Quality Improvements Beebe, Brittany
9:00 AM	Assessing Habitat and Climate Resilience to Prioritize Conservation for Lahontan Cutthroat Trout Al-Chokhachy, Robert	Evaluating the Effectiveness of Invasive Grass Carp Response Actions in Lake Erie Bopp, Justin	The Economic Value of Protecting Salmon Populations: Progress and Challenges Papenfus, Michael
9:20 AM	A Perspective on Climate Refugia and Their Utility for Native Trout Conservation Isaak, Daniel		Panel Discussion
9:40 AM	Morning Break		
10:00 AM	Plenary Session		
12:00 PM	Lunch		
	Western Native Trout: Managing the Threats and Building Resiliency - Day 1	Invasive and Introduced Species: Negative Impacts and Unexpected Opportunities - Day 1	Bringing New Perspectives to Marine and Estuarine Fisheries - Day 1
1:20 PM	Temporal Variability in the Upper Extent of Fish Distributions in Southwest Washington Walter, Jason	Incorporating Socioeconomic Factors into a Missouri River Basin Invasive Mussel Risk Assessment Counihan, Timothy	Ocean Decade 101 LANG, KAITLEN
1:40 PM	Effects of Streamflow on Trends in Native Salmonid Abundance Indices in Southwest Idaho D'Amico, Timothy	Invasive Northern Pike in Southcentral Alaska; Progress Made and the Long Road Ahead Bradley, Parker	Changing Outmigration Phenology and Phenological Mismatch in Juvenile Salmon Wilson, Samantha

SUBJECT TO CHANGE

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Monday, August 22, 2022

	402A	402B	402C
	Western Native Trout: Managing the Threats and Building Resiliency - Day 1	Invasive and Introduced Species: Negative Impacts and Unexpected Opportunities - Day 1	Bringing New Perspectives to Marine and Estuarine Fisheries - Day 1
2:00 PM	Instream Complexity Increases Habitat Quality and Growth for Cutthroat Trout in Headwater Streams Hallbert, Tyson	Effects of Yellow Perch Colonization on the Fish Community in Curlew Lake Mayer, Kent	Thermal Effects on Gulf of Alaska Pacific Cod: Shifts in Hatching Phenology Miller, Jessica
2:20 PM	Death of a Thousand Cutts: Brown Trout Impacts on Yellowstone Cutthroat Trout Heinle, Kadie	Non-Native American Shad: The Most Abundant Anadromous Fish in the Columbia River Gregory, Stanley	Predicting the Unpredictable: Drivers of Recruitment in a Spasmodically-Recruiting Marine Fish Burns, Corinne
2:40 PM		Long-Term Trophic Shifts of Yellow Perch in Lake Erie SCHMITT, JOSEPH	CO2 and Temperature-Induced Hearing Loss in Two Soniferous Sciaenid Species. Schweitzer, Cara
3:00 PM	Afternoon Break		
3:20 PM	Restoration of the Lahontan Cutthroat Trout Population Upstream of Derby Dam Vaivoda, Alexis	Consequences of An Introduction of Cisco into a Montana Reservoir Vivian, Mary	Spatio-Temporal Scales of Environmental Variables Determine Use in the Stock Assessment Process Denson, LaTreese
3:40 PM	Smoked Trout: Wildfire and Native Trout Conservation in New Mexico Wick, Jill	Effects of Silver Carp on the Trophic Niche of Native Species Kowalski, Justin	Young-Of-The-Year Winter Flounder Recruitment in a High-Priority Gulf of Maine Estuary Zarella Smith, Katrina
4:00 PM	After the Wallow Fire: A Case Study of One Apache Trout Stream Beard, Zachary	Impact of Oreochromis niloticus (Linnaeus, 1758) (Pisces: Cichlidae) Invasion on Taxonomic and Func Jere, Arthertone	
4:20 PM	The Overwhelming Violence of Action Approach to Nonnative Trout Removal Jackson, Zachary	Condition Specific Competition between Native Plains Topminnow and Invasive Western Mosquitofishes Lewis, Samuel	Inter-Annual Variations in the Abundance of Pinfish in the Maryland Coastal Bays Goffe, Shakira
4:40 PM			Fine-Scale Movements and Habitat Use of Recreationally Important Reef Fishes Tharp, Ryan

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Please see the AFS 2022 App or online Program for most recent information.

Tuesday, August 23, 2022

100B		100C	102AB	102CD	103
Climate Stories: Making Fisheries Science Relevant for Broad Audiences		A Fisheries Biologist's Guide to Using Human Dimensions Data - Day 2	Offshore Wind, Fish, and Fisheries: Emerging Knowledge and Applications - Day 2	Advances in Ecosystem & Population Dynamics, and Marine Resource Economics - Day 2	Contributed Topic: Freshwater Fish Ecology-2
8:00 AM		How Do They Know?: Information Sources Used by Recreational Anglers Iwicky, Carolyn	Recreational Fishing Impacts of the Block Island Wind Farm Bingham, Matthew	How Local Oceanography Influences Black Rockfish Biological and Functional Maturity Schedules Rosemond, Claire	Blue Sucker Population Status and Recruitment Limitations in a Central Texas River Smith, Nathan
8:20 AM		Beyond the Mail Survey DiCenzo, Vic	No Bed of Roses: Regional Data Coordination and Offshore Wind Development Pol, Mike	Spatially Varying Catchability for Indices of Abundance That Include Fishery-Dependent Data Best, John	Trends in River Discharge and Water Temperature Cue Spawning Movements of Blue Sucker Tornabene, Brian
8:40 AM		An Interdisciplinary Assessment of the Socioeconomic Impact of Marine Reserves in Oregon Swearingen, Thomas	Developing a Trawl Survey for Offshore Wind Development: Experiences and Challenges Rillahan, Chris	Is Ignoring Predation Mortality Leading to An Inability to Achieve Management Goals in Alaska? Adams, Grant	Drought Effects on Growth, Survival, and Behavior in Rainbow Darters (Etheostoma caeruleum) Findley, Kearnstin
9:00 AM		Comparison of Group Responses to a Survey: Differences between Potential Anglers and Agency Staff Krogman, Rebecca	Responses of Demersal Fish and Invertebrates to Block Island Wind Farm Wilber, Dara	State-Space Stock Assessment Model Performance Under Degrees of Process and Observation Error Liljestrand, Emily	An Example How to Use NEON Fish Data: Assessing Prairie Stream Health Monahan, Dylan
9:20 AM		Urban Recreational Behavior: Do Birds of a Feather Really Flock Together? Barlow, Brandon	Ecological Modeling to Inform Fisheries-Independent Survey Programs for Offshore Wind Development Ober, Claire	It's Getting Hot in Here: Marine Turtle Survival in a Warming World Quennessen, Victoria	An Evaluation of Coregonine Egg Deposition between Lake Superior and Lake Ontario Heisey, Aaron
9:40 AM	Morning Break				
10:00 AM	Plenary Session				
12:00 PM	Lunch				
Climate Stories: Making Fisheries Science Relevant for Broad Audiences		A Fisheries Biologist's Guide to Using Human Dimensions Data - Day 2	Offshore Wind, Fish, and Fisheries: Emerging Knowledge and Applications - Day 2	Repeat Spawning in Steelhead Trout	Contributed Topic: Freshwater Fish Ecology-2
1:20 PM	What Your Comms Team Wants You to Know: Strategies for Impactful Stories Plum, Tyler	Participatory Modeling as a Tool to Advance Ecosystem-Based Fisheries Management Gervasi, Carissa		Columbia River Basin Steelhead Trout Kelt Reconditioning: Physiology Studies Pierce, Andrew	Investigating Reproductive Phenology and Alloparental Care in Leuciscid Fishes Using Niche Theory Hultin, Emma
1:40 PM	Recipe for Success: How Baking Cookies Should Influence the Future of Fisheries Management Burns, Corinne	You Hooked the Wrong Fish: Reducing Bias in Human Dimensions Research Crandall, Chelsey	Before-After-Gradient Fishery Monitoring Design in the US Wind Lease Area OCS-A0490 Secor, David	Energetic Status at Spawning and Post-Spawning Nutrition Influence Steelhead Repeat Spawning Schedule Jenkins, Laura	Metabolism and Hypoxia Tolerance of 4 Fish Species in the Tallapoosa River Stell, Ehlana
2:00 PM	Climate Change, Subsistence Fishing, and Community-Partnered Research in Kugluktuk, Nunavut Weinstein, Spencer	Interactive Group Activity	Do Offshore Wind Emfs Impact the Behavior, Movement, and Distribution of Marine Fauna? Newton, Kyle	Repeat Homing of Artificially Reconditioned Steelhead Kelt in the Yakima Basin, WA Newell, Jeremiah	Comparing Trophic Ecology and Growth of Gars (Lepisosteidae) in River-Floodplain Ecosystems Cador, Dinah
2:20 PM	Building a Resilient Community One Project at a Time Donovan, Shaun		Understanding the Risks of Tidal Energy Development to Fish Using Acoustic Telemetry Hasselmann, Daniel	Patterns of Iteroparity in Snake River Steelhead Trout, 2022 Reprise Copeland, Tim	Examining Temporal Variation in Fish Assemblages in the Lower Wabash River Roth, Daniel
2:40 PM	Who Are You Talking To? How to Tailor Your Presentation to a Specific Audience Roulson, Leanne		Integration of Environmental DNA Surveys in Fisheries Monitoring Plans for Offshore Wind O'Leary, Shannon	Post-Spawn Migration Mortality of Anadromous O. Mykiss in a Coastal Washington Stream Harbison, Toby	Fish Diversity and Fishery Resources in the Lower Yellow River and Estuary during 2009-2021 Li, Xiuqi

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Tuesday, August 23, 2022

	100B	100C	102AB	102CD	103
	Climate Stories: Making Fisheries Science Relevant for Broad Audiences	A Fisheries Biologist's Guide to Using Human Dimensions Data - Day 2	Offshore Wind, Fish, and Fisheries: Emerging Knowledge and Applications - Day 2	Advances in Ecosystem & Population Dynamics, and Marine Resource Economics - Day 2	Contributed Topic: Freshwater Fish Ecology-2
3:00 PM	Afternoon Break				
3:20 PM	Keeping Warm in Winter; Freshwater Spring Use by Subtropical Marine Fish Flaherty-Walia, Kerry				Prospective Changes to Fisheries in Ferguson's Gulf, Lake Turkana, Kenya Muehl, Madison
3:40 PM	Whale Tales: Challenging Conversations in Right Whale Conservation Baumwell, Leah				Comparison of Sampling Gears for Crayfish in Lentic Systems Smith, John
4:00 PM	Where Did All the Steelhead Go? Worrying Trends in the North Umpqua River Firman, Julie		Discussion		Climate Change Impacts Consumption of Important Freshwater Recreational Fish in the Midwest Kasper, Jacob
4:20 PM	Creative Communication: Art + Science + Public Engagement Hall, Carolyn J				Spatial Effects of Basin-Scale Sediment Regimes on Fish Habitats and Metapopulation Dynamics Stearman, Loren
4:40 PM					Genetic Assessment of Redeye Bass in the Mobile Basin, Alabama Lewis, Matt

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Tuesday, August 23, 2022

	111A	111B	111C	300A	300B
	Adaptation and Plasticity in Fishes in Warming Environments - Day 2	Multi-Dimensional Meanings of Fish to the First Peoples of the PNW - Day 2	Indigenous Aquaculture Leadership and Innovation in Fisheries Management; Thirty Years and Counting - Day 1	Mississippi-Yangtze River Basin Symposium: Learning from River Conservation and Management Across the Globe - Day 2	Challenges and Solutions for Citizen Science in Fisheries
8:00 AM	Linking Restoration Impacts of Shifting Spawning Distributions to Offspring Tributary Use Ciepiela, Lindsay	Hatchery Fish Are Treaty Fish Wilson, Lisa	Kootenai White Sturgeon Aquaculture and Recovery Across Four Decades Young, Shawn	A New Genus and Species of Freshwater Mussel (Bivalvia: Unionidae: Gonideinae) from Guangxi Province (REMOTE) Dai, Yuting	Could Citizen Science Be Useful for Estimating Fishing Effort and Catch? (Remote) Brick, J. Michael
8:20 AM	Thermal Refugees: Growth and Survival of Down Stream Rearing Chinook Salmon Scheu, Michael	Role of Hatcheries in Restoring Native Aquatic Species James, Gary	The Story of Kootenai Burbot Aquaculture and Restoration Young, Shawn	Distributions of Larval Fish along a Transversal Gradient in the Middle Reach of the Yangtze River (REMOTE) Wang, Zhen	Citizen Science Applications and Opportunities in Fisheries Stock Assessments (Remote) Schmitz, Giselle
8:40 AM	Juvenile Chinook Salmon Dispersal Patterns Revealed Using Genetics as a Tracer Kaylor, Matthew	Upper Columbia Production Projects: Finding Innovative Ways to Restore Fish to the Rivers Kamphaus, Cory	Revitalizing Natural Spawning Coho Salmon Populations with a Tribal Conservation Hatchery Program Seitz, Karl	Thiamine and HMP Limitation of Periphyton in Yangtze and Mississippi Basins (REMOTE) Wang, Binbin	A Benchmarking Strategy for Evaluating Angler App Data in Fisheries Monitoring Simmons, Sean
9:00 AM	Arctic Grayling (Thymallus arcticus) Physiology and Movement Behavior Across a Fire-Impacted Boreal Hinkle, Elizabeth	Steelhead Kelt Reconditioning and Reproductive Success Studies in the Columbia River Hatch, Doug	Coeur D' Alene Tribe Salmon Supplementation and Reintroduction Penney, Aaron	Factors Affecting Exploitation of Paddlefish Downstream of Gavins Point Dam, South Dakota (REMOTE) Radigan, William	Fishing for Complements: Updating Creel Methods for a Walleye Recreational Fishery (Remote) de Kerckhove, Derrick
9:20 AM		Johnson Creek Supplementation Providing Conservation Benefit Rabe, Craig	Snake River Fall Chinook - Back from the Brink Kellar, Scott	Juvenile Fish Characteristics Following Bigheaded Carp Establishment in the White River, Arkansas Eggleton, Michael	18 Years of Industry Engagement with a Fishery-Independent Hook and Line Survey Lam, Laurel
9:40 AM	Morning Break				
10:00 AM	Plenary Session				
12:00 PM	Lunch				
	Adaptation and Plasticity in Fishes in Warming Environments - Day 2	Multi-Dimensional Meanings of Fish to the First Peoples of the PNW - Day 2	Indigenous Aquaculture Leadership and Innovation in Fisheries Management; Thirty Years and Counting - Day 1	Mississippi-Yangtze River Basin Symposium: Learning from River Conservation and Management Across the Globe - Day 2	Perspectives on Cooperative Research from Freshwater and Marine Environments
1:20 PM	Change of the Life Strategy of Icefish Traczyk, Ryszard	Salmon and the Future - Shannon Wheeler Nez Perce Tribe	Reintroduction and Restoration of Snake River Coho Salmon Bisbee Jr., Michael		Cooperative Study of Pacific Cod Satellite Tagging in Alaska McDermott, Susanne
1:40 PM	Genetic Differentiation in Spawning Phenology and Size at Maturity in a Long Lived, Alpine Fish St. John, Carl	Replacement of the BPA/NPCC Fish and Wildlife Program Johnson, David	Spring Chinook Salmon Supplementation in the Yakima River Basin: 25-Year Summary Bosch, William		The Science-Industry Rockfish Research Collaboration in the Gulf of Alaska Hall, Madison
2:00 PM	Evaluating Climate Impacts on North Carolina's Blue Crab Stock Via Individual-Based Modeling Rocco, Alex	Yakima Basin Integrated Plan Rigdon, Phil	Long-Term Effects of Hatchery Supplementation on Natural Origin Spring Chinook Salmon Pandit, Shubha		The Greater Atlantic Regional Research Set-Aside Program - Twenty Years of Industry Funded Research (Virtual) Turner, Sara
2:20 PM	Climate Change, Behavioral Plasticity, and Local Adaptation Impacts Redband Trout Eco-Evo Dynamics Seaborn, Travis	The Yakama Nation Restoration Project Saluskin, Brian	Effects of Supplementation in Upper Yakima River Chinook Salmon Nuetzel, Hayley		Utilizing Collaborative Scientist-Industry Partnerships to Monitor a Windfarm Off New Jersey Zemeckis, Douglas
2:40 PM	Does Temperature Limit Upstream Distributions of Fishes in the Rocky Mountain Region? Webb, Colton		Monitoring the Naturalization of Spring Chinook Reintroduced to Lookingglass Creek, OR Nuetzel, Hayley		Linking Ocean Conditions with Fishers: Knowledge in Southern New England Olsen, Noelle

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Tuesday, August 23, 2022

	111A	111B	111C	300A	
	Adaptation and Plasticity in Fishes in Warming Environments - Day 2	Multi-Dimensional Meanings of Fish to the First Peoples of the PNW - Day 2	Indigenous Aquaculture Leadership and Innovation in Fisheries Management; Thirty Years and Counting - Day 1	Mississippi-Yangtze River Basin Symposium: Learning from River Conservation and Management Across the Globe - Day 2 Perspectives on Cooperative Research from Freshwater and Marine Environments	
3:00 PM	Contributed Topic: Diadromous Fisheries	Afternoon Break			
3:20 PM	Phenological Variation in Spring Migration of Adult River Herring in Coastal Massachusetts Sheppard, John	Question & Answers with Speakers	Indigenous (Re)Production Management Engages Hatchery Reform Through Natural Ecological Processes Matsaw, Sammy	Understanding Local and Traditional Fishers Knowledge to Help Manage Freshwater Fishes in the Amazon Poesch, Mark	Collaboration Networks Within the CRU Program Vogel, Sarah
3:40 PM	Differential Seasonal Occupancy Patterns of Gulf Sturgeon Inform Definition of Habitat Use Vine, Josh		Meet My Friend Eel - Snake River Lamprey Translocation, Restoration, and Recovery Sween, Tod	Fish Assemblage Comparisons in Relation to Bigheaded Carp Establishment in the White River, Arkansas Eggleton, Michael	Integrating Floodplain Inundation Dynamics and Chinook Salmon Emergence Phenology Across Riverscapes Kaylor, Matthew
4:00 PM	Flow Regime and Recruitment in Gulf Sturgeon in the Apalachicola River D'Ercole, Mark		History and Performance of Chum Salmon Culture at Keta Creek Hatchery Schaffler, Jason	Incorporating Metapopulation Dynamics to Evaluate Bigheaded Carp Control in the Illinois River Kallis, Jahn	Panel Discussion
4:20 PM	Use of Multistate Mark-Recapture Models to Estimate Wenatchee River Sub-Basin Steelhead Escapement Ng, Elizabeth		Yakama Nation Coho Facility Overview Jensen, Kevin	Ecological Change Over the Decades: Insights from Long-Term Monitoring Bouska, Kristen	
4:40 PM	Creating a Unique Odor Bouquet to Improve Homing of Hatchery-Reared Salmon Dittman, Andrew		Yakama Nation Coho Facility Part 2: Facility Context and Operations Brownlee, D.J.		
5:20 PM			Simulation Tools for Estimating Statistical Power to Monitor Invasive Carps Stewart, Taylor		
5:40 PM			Urbanization Affects the Fish Diversity in the Subtropical Streams (REMOTE) Qiao, Jialing		
6:00 PM			Investigations of Fish Assemblages Using Two Methods in Three Terminal Reservoirs of the ESNT (REMOTE) Yan, Huiguo		
6:20 PM			Development of a Phytoplankton Based Index of Biotic Integrity for Ecological Health Assessment in T ((REMOTE) Gao, Wenqi		
6:40 PM			Variations in Spawning Period of Silver Carp and Dietary Specialization of Black Amur Bream (REMOTE) Xia, Yuguo		

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Tuesday, August 23, 2022

	111A	111B	111C	300A	
	Adaptation and Plasticity in Fishes in Warming Environments - Day 2	Multi-Dimensional Meanings of Fish to the First Peoples of the PNW - Day 2	Indigenous Aquaculture Leadership and Innovation in Fisheries Management; Thirty Years and Counting - Day 1	Mississippi-Yangtze River Basin Symposium: Learning from River Conservation and Management Across the Globe - Day 2	Perspectives on Cooperative Research from Freshwater and Marine Environments
7:00 PM				Break & Refreshments	
7:20 PM				Thinking Outside the Continent: Consider Your Research's Value Toward Different Management Goals. Chapman, Duane	
7:40 PM				Three Gorges Reservoir Ecosystem Dynamics and Services: A Case Study (REMOTE) Ye, Shaowen	
8:00 PM				Molecular Evidences of Largescale Silver Carp (Hypophthalmichthys harmandi) Mitogenome Introgression (REMOTE) Liao, Xiaolin	
8:20 PM				Population Dynamics of Silver Carp, Hypophthalmichthys molitrix, in the Lower Mississippi River Basin Barshinger, Cooper	
8:40 PM				Obvious Effectiveness of Fishing Ban on the Yangtze River Demonstrated by <i>Coilia nasus</i> (REMOTE) Yang, Jian	

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Tuesday, August 23, 2022

	300C	300D	301	302A	302B
	Reintroducing Migratory Fishes and Restoring Their Ecological Roles - Day 2	Connectivity Through Barrier Removal: Balancing Critical Ecosystem Processes with Complex Management Issues - Day 1	Contributed Topic: Genetics-1	Quantifying the Influence of Dr. Michael Jones on Fisheries Science	Do Our Resource Professions Meet the Challenges of Climate, Sustainability, and Biodiversity?
8:00 AM	Evaluating Movement Rate and Habitat Use Patterns of Largemouth Bass and Alabama Bass on Lake Hartwe Kerr, Deon	Why Care About Fish Movements and Why Do They Matter to Ecosystems Whelan, Gary	Evaluating Genetic Methods Potential to Increase Chinook Salmon Fishery Management Climate Resilience DeJoseph, Bonnie	MJ =SUM(GLFC PERM + QFC + MSU)*Students Muir, Andrew	Panel Discussion
8:20 AM	Lake Sturgeon Reintroduction to Saginaw Bay of Lake Huron Jolley, Jeff	Effects of Stream Fragmentation on Freshwater Migratory Fishes Across the Conterminous United States Dean, Emily	Development of a GT-Seq SNP Panel in Arctic Char Beemelmanns, Anne	Tales of a Great Lakes Lamprey Biologist's Adventures in the Arid Southwest. Treble, Andrew	
8:40 AM	Trials and Tribulations: 25 Years of Coho Reintroduction in the Wenatchee Basin Caisman, Jeffrey	Great Lakes Dam Prioritization: The Critical 6% Walter, Lisa	Genetic Diversity & Small Populations: Introduced Arctic Char in Nunavik, Québec. Collin, Louis-Philippe	Use of Lake Erie Tributaries by Spawning Sea Lamprey: Implications for Lake-Wide Abundance Estimates Holbrook, Christopher	
9:00 AM	Environmental and Ecological Constraints on Smolt Production of Salmonids Introduced Above Dams Beauchamp, David	Optimizing Stream Crossing Barrier Removal for Salmon Restoration: You Can Too! Fox, Christian	Genetic Analyses Reveal Intraspecific Divergence in Bluehead and Mountain Suckers Across Watersheds Smith, Brandy	Detecting Sea Lamprey Attacks on Lake Trout with Biologging Tags Adams, Jean	
9:20 AM	Modeling Alewife as Nutrient Vectors in Dammed Systems O'Malley, Betsy	Aquatic Connectivity: Keeping Everyone Equally Unhappy Shelton, James	Characterizing Genetic Connectivity in Pacific Albacore Tuna (Thunnus alalunga) Walker, Geoffrey	Management Strategy Evaluation of Invasive Parasitic Fish in the Laurentian Great Lakes Dawson, Heather	
9:40 AM	Morning Break				
10:00 AM	Plenary Session				
12:00 PM	Lunch				
	Reintroducing Migratory Fishes and Restoring Their Ecological Roles - Day 2	Connectivity Through Barrier Removal: Balancing Critical Ecosystem Processes with Complex Management Issues - Day 1	Contributed Topic: Genetics-1	Quantifying the Influence of Dr. Michael Jones on Fisheries Science	Bull Trout Status and Science Nearly 25 Years After Listing - Day 1
1:20 PM	Climate, Invasive Species, and Anadromous Introductions: Emerging Challenges for Reservoir Food Webs Johnson, Rachelle		Development of Genetic Parentage-Based Tagging in White Sturgeon (Acipenser transmontanus) Fiske, Aviva	Engaging Stakeholders in Walleye Management Through the Lake Erie Percid Management Advisory Group Peterson, Lisa	Incorporating the Species Status Assessment Framework into the Bull Trout 5-Year Review Nolff, Dan
1:40 PM	Build to Scale: Restoration of Alosines Hinges on Recognizing the Obvious Gahagan, Benjamin	Population Assignment of Entrained Migratory Westslope Cutthroat Trout in North Idaho Wells, Craig	Heritability of Maturation Timing in a Delta Smelt Conservation Hatchery LaCava, Melanie E.F.	Building Models and Relationships: Collaboratively Managing Yellow Perch on Lake Erie Dufour, Mark	Bull Trout Work Groups: Application, Management Relevance, and Future? Bowersox, Brett
2:00 PM	Dams May Force Semelparity in Atlantic Salmon Rubenstein, Sarah	Genetic Predictors of Population Resilience in Headwater Brook Trout Populations Schwinghamer, Christopher	Examining Genomic and Epigenomic Markers Associated with Domestication Selection in the Conservation Habibi, Ensieh	Brook Trout Status and Distribution Across the Lake Superior Basin Myers, Jared	Estimating Trends in the Abundance of Threatened Bull Trout Across the Pacific Northwest Scheuerell, Mark
2:20 PM	Feasibility of Fish Passage at High-Head Dams on the Tuolumne River, California Ferguson, John	Impacts of Barriers on the Genetic Diversity of Native Brook Trout Populations Mamoozadeh, Nadya	Estimating Escapement of Chilkat River Chinook Salmon Using Transgenerational Genetic Mark-Recapture Rosenbaum, Sam	Modeling Lake Trout Population Dynamics with Dr. Jones: a Never-Ending Story Lester, Nigel	A Framework for Bull Trout Recovery in Washington Good, Molly
2:40 PM	Continued Efforts of Reintroducing Sacramento River Winter-Run Chinook Salmon to Battle Creek, CA Earley, Laurie	Assessing Westslope Cutthroat Trout Behavioral Response to Olfactory Cues in Two-Choice Y Mazes Condron, Hannah	Fewer Samples with More Genetic Markers Increases Performance of a Genetic Baseline Hargrove, John	From a Great Lake to the Pacific Ocean: Life Lessons Travel Coast-To-Coast Jensen, Alexander	Making Tough Choices: Prioritizing Investment in the Recovery of Oregon's Bull Trout Gunckel, Stephanie

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Tuesday, August 23, 2022

300C		300D		302A		302B	
Reintroducing Migratory Fishes and Restoring Their Ecological Roles - Day 2		Connectivity Through Barrier Removal: Balancing Critical Ecosystem Processes with Complex Management Issues - Day 1		Quantifying the Influence of Dr. Michael Jones on Fisheries Science		Bull Trout Status and Science Nearly 25 Years After Listing - Day 1	
		Contributed Topic: Genetics-1					
3:00 PM	Afternoon Break			Contributed Topic: Freshwater Fisheries Management-1	Afternoon Break		
3:20 PM	Downstream Passage and Survival of Juvenile Chinook Salmon in the Upper Columbia River Kock, Tobias	Fisheries Benefits of Breaching Lower Snake River Dams Hughes, Bob	Management Goals for Conserving White Sturgeon in the Sacramento-San Joaquin River Basin Ulaski, Marta	Factors Associated with Salmon and Steelhead Survival in the Columbia River Basin Haeseker, Steve	A Quantitative Assessment of Status and Conservation Risk of Threatened Bull Trout Cline, Timothy		
3:40 PM	Direct Observation of Atlantic Salmon Smolt Predation during Reservoir Migration in the Penobscot Ri Mensingher, Matthew	Multidirectional, Multistate Models for Resolving Adult Steelhead Migration Pathways Past Dams Min, Markus	What Do Common Carp Mean to Kansas Anglers? Kramer, Nick	Assessing Risks of Acidic Deposition to Canadian Aquatic Ecosystems: Mike Jones' Contributions Marmorek, David	Choose Your Own Adventure - Evaluating Bull Trout Core Area Recovery Crandall, John		
4:00 PM	Investing in Monitoring Dam Removals: Reflections from the Penobscot River Restoration Project Payne Wynne, Molly	Spring Channel Restoration Benefits Moapa Dace MORTENSON, SUSAN	Bighead Carp Show Varying Degrees of Attraction Towards a Natural Acoustic Foraging Cue Lemasson, Bertrand	Science to Support Decision Making: Quantitative Models and Some Uncertainties Irwin, Brian	Key Information, Data, Threats, and Conservation Opportunities for Bull Trout. Neibauer, Judith		
4:20 PM	Marine Derived Nutrients in the Penobscot River, Maine, after Dam Removal Brewer, Matthew	Restoring Aquatic Connectivity: Dam Removals and Guild-Based Responses in a Midwestern River Bruegge, Josh	Catfish and Buffalo Populations in Upriver Versus Downriver Pools of the Illinois River Schaick, Sam	Dynamic Reference Points: Gauging How You Got to Where You Are Today Berger, Aaron	Influence of Dam Removal in the Elwha River on Bull Trout Good, Molly		
4:40 PM	Monitoring Juvenile Salmonids to Assess Recolonization Following a Dam Removal. Jezorek, Ian	Assessing Flint River Ecology Above and Below a Dam Scheduled for Removal Summers, Chloe		Advancing Fishery Management Via Quantitative Modeling, Adaptive Management, and Decision Analysis Brenden, Travis	Using Trap and Haul to Provide Bull Trout Connectivity in the Yakima Basin, Washington Haskell, Craig		

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Tuesday, August 23, 2022

	303A	303B	401A	401B	401C
	Native Lampreys: Research and Conservation of Ancient Fishes	Western Native Fishes Symposium	Advances in Applications and Techniques of Hard Part Microchemistry - Day 1	YY Males, a Potential New Management Tool for Eradication of Invasive Fish - Day 2	Mechanisms and Impacts of Thiamine Deficiency in Fish Species Across Aquatic Ecosystems
8:00 AM	Lamprey Biology, Ecology, Cultural Importance and the	Species on the Brink: Protracted Recruitment Failure in a Native Cyprinid (Clear Lake Hitch) of Cult Feyrer, Frederick	Quantifying Differences between Three Stock Units of Southern Flounder Using Otolith Microchemistry Hershey, Henry		Overview of Thiamine Deficiency in Aquatic Animals. Honeyfield, Dale
8:20 AM	Origins of Collaborative Conservation Efforts Wang, Christina	The Effects of Upper Klamath Lake Elevation and Water Quality on Adult Sucker Survival Krause, Jacob	Migration Patterns of US Pacific Coast American Shad Revealed Through Otolith Microchemistry Wetzel, Lisa	Using Data from MYY Suppression to Simulate Potential Eradication of Brook Trout Miller, Michael	Thiamine Deficiency as a Global Ecological Stressor Impacting Fish and Wildlife Populations Richter, Catherine
8:40 AM	Fostering Enthusiasm and Partnerships to Advance Lamprey Conservation Across the West Marrs, Alicia	Comparing Movement Patterns and Habitat Selection between Razorback Suckers and Flannelmouth Suckers Bogaard, Matthew	Otolith 87Sr/86Sr Identifies Natal Origin and Life History of Kootenay River Burbot (Lota Lota) Janak, Jill	The Development of YY Red Shiner (Cyprinella Lutrensis) for Invasive Population Control Teal, Chad	Investigations into the Emergence of Widespread Thiamine Deficiency in California Salmon Mantua, Nathan
9:00 AM	Transplantation of Pre-Spawning Adult Sea Lamprey as An Important Restoration Strategy Gephard, Stephen	Genetic Responses of Desert Fishes Reflect Different Modes of Recovery after Wildfire Pilger, Tyler	Otolith Microchemistry Provides Insight into Habitat Plasticity of American Eel in Texas Curtis, Michael	Sex Reversal of Brown Trout Exposed to Differing Estradiol Treatments Mamer, Liz	The Great Lakes Lake Trout Thiamin Monitoring Program: Trends and Ecological Connections. Blowers, Thomas
9:20 AM	Pacific Lamprey Recolonization Following the Removal of Two Dams on the Elwha River Mahan, Rebecca	Efficiency of a Fish Passage for Three Migratory Colorado River Fishes Kelley, Kayla	How Much Do Hatcheries Leak Fish? a Case Study with Conservation Implications. Bourret, Sam	Creation of Sexually Reversed Brook Trout Broodstock in a Hatchery Setting Riemenschneider, Jared	Metabolic Drivers of Yukon River Chinook Salmon Productivity Howard, Kathrine
9:40 AM	Morning Break				
10:00 AM	Plenary Session				
12:00 PM	Lunch				
	Native Lampreys: Research and Conservation of Ancient Fishes	Western Native Fishes Symposium	Advances in Applications and Techniques of Hard Part Microchemistry - Day 1	YY Males, a Potential New Management Tool for Eradication of Invasive Fish - Day 2	Mechanisms and Impacts of Thiamine Deficiency in Fish Species Across Aquatic Ecosystems
1:20 PM	Taxonomy, Genetic Structure, and Management Implications for Lampreys of Western North America Carim, Kellie	Genetic Evaluation of Hybridization Among Native Catostomidae of the San Juan River Mussmann, Steven	Using Chemical Histories to Solve Blacktip Shark Mysteries Hayne, Abigail	The Use of MYY Fish to Eradicate Non-Native Brook Trout Populations in Idaho Schill, Dan	Genetic Adaptation in Response to Thiamine Deficiency in Atlantic Salmon (Salmo salar) Harder, Avril
1:40 PM	Deciphering Lamprey Phylogenies: Comparative Analysis of Disjunct Wisconsin Southern Brook Lamprey P Brino, Erin	Evaluating Capture Efficiency Probability for Native Rio Grande Fish in New Mexico Porter, Michael	Transgenerational Marking of Chinook Salmon (Oncorhynchus Tshawytscha) Otoliths Boehnke, Brandon	Male YY Chromosome Brook Trout: Encouraging Results from the Real World Baker, William	Thiamin Dynamics during the Life-Cycle of Salmo salar: A Comparison between Systems Todisco, Vittoria
2:00 PM	Lamprey Diversity in California: Genomic Approaches for Untangling an Understudied Species Complex Auringer, Grace	Climate and Non-Native Threats to Lahontan Cutthroat Trout Recovery in the Truckee River Al-Chokhachy, Robert	Unraveling Migration Patterns of Catfish in the Amazon: A Preliminary Result Alves Pereira, Luciana	Stream-Wide Evaluation of Survival and Reproduction of MYY and Wild Brook Trout Armstrong, Benjamin	Evolutionary and Ecological Correlates of Thiaminase in Fishes Rowland, Freya
2:20 PM	Traditional Harvest of Arctic Lamprey in the Lower Yukon River, Alaska Sutton, Trent		Are Expanding Pink Salmon Populations in the Arctic Produced from Regional Watersheds? Nims, Megan	INADs and Indexing: Potential Options for Use of Unapproved Aquatic Animal Drugs Maskill, Paige	Transfer of Thiamin in the Aquatic Food Web from Producers to Consumers Hylander, Samuel
2:40 PM	Evaluating the Viability of Two Tag Types for Use on Arctic Lamprey Spanos, Mary		Testing 13C Values in Otoliths as a Proxy for Field Metabolic Rate Jarquin-Corro, Santiago	ESTRAQUA® Eel INAD Human Safety Technical Section: Implications for Invasive Species Eradication Smith, Paul	Change is the Only Constant: Altered Food Webs Influence Thiamin Deficiency Futia, Matthew

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Please see the AFS 2022 App or online Program for most recent information.

Tuesday, August 23, 2022

	303A	303B	401A	401B	401C
	Native Lampreys: Research and Conservation of Ancient Fishes	Western Native Fishes Symposium	Advances in Applications and Techniques of Hard Part Microchemistry - Day 1	YY Males, a Potential New Management Tool for Eradication of Invasive Fish - Day 2	Mechanisms and Impacts of Thiamine Deficiency in Fish Species Across Aquatic Ecosystems
3:00 PM	Afternoon Break				
3:20 PM	Evaluation of Pacific Lamprey <i>Entosphenus tridentatus</i> Stalolith Morphology and Aging Potential Miller, Jessica	Characterizing How Changing Climate Impacts Suitability of Intermittent Streams for Spawning Trout Rousseau, Skylar	Quantifying Pacific Cod Metabolic Rate Using Otolith Carbon Isotopes and Microchemistry Thalmann, Hillary	Panel Discussion	Effects of Dietary Thiaminase on Two Strains of Lake Trout Therrien, Christian
3:40 PM	Occupancy Sampling for Larval Lampreys at Two Locations Undergoing Stage-0 Restoration Harris, Julianne	Spatially Continuous Mark-Recapture Sampling Strategy to Monitor Adfluvial Redband Trout Populations Albrecht, Nicholas	Role of Crystallographic Composition in Otolith Environmental Inference Pracheil, Brenda		Thiamine Deficiency's Effects on Winter-Run Chinook Salmon Survival, Physiology, and Behavior Bell, Heather
4:00 PM	Pacific Lamprey in Marine Waters: New Insight from Recent Marine Collections Weitkamp, Laurie	Riparian Management Influences on Native Salmonids in a Predominantly Second-Growth Forest Martens, Kyle	Reconstructing Life Histories Using Hormones Recovered from Incrementally Grown Structures McNeel, Kevin		A Novel Treatment for Thiamine Deficiency Complex in Chinook Salmon at California Hatcheries Kwak, Kevin
4:20 PM	Potential Climate Change Impacts on the Larval Metamorphosis of Pacific Lamprey Simpson, Will	Spatio-Temporal Movement Patterns of Sub-Adult Adfluvial Bull Trout Taylor, Aimee	Dorsal Scute Microchemistry and Acoustic Telemetry to Reconstruct Atlantic Sturgeon Life-History Ingram, Evan		Thiamine Supplementation for Winter Steelhead Fry Reared in Oregon Hatcheries Reed, Aimee
4:40 PM	The Return of Native Sea Lampreys to the Penobscot River, Maine, USA Dillingham, Cody		Chemistry of Striped Bass Scales Indicate Potential as Non-Lethal Life History Records Mohan, John		Thiamine Availability Across Spatial and Temporal Gradients in California's Sacramento River System Suffridge, Christopher

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Tuesday, August 23, 2022

	402A	402B	402C
	Western Native Trout: Managing the Threats and Building Resiliency - Day 2	Ready, Set, Hire: Valuing Fish Perspectives Through a Diversity, Equity, Inclusion, and Accessibility (DEIA) Lens to Career Pathways.	Contributed Topic: Water Quality and Habitat-1
8:00 AM	What is Genomic Extinction, Can We Measure It, and What Does It Mean for Trout Conservation? Kovach, Ryan	Thriving as a Fisheries Professional: 7 Resilience Tips Nesbit, Shivonne	
8:20 AM	Genetic Rescue Using Inbred Source Populations in Imperiled Trout Populations Bell, Donovan	Non-Traditional Employment Molineaux, Jonathan	
8:40 AM	Diversifying Conservation and Management of Westslope Cutthroat Trout in the Flathead River System Steed, Amber	Navigating USAJobs and Pathways Johnson, Melissa	
9:00 AM	Genetic and Demographic Monitoring of Westslope Cutthroat Trout Mixed-Population Reintroductions Whiteley, Andrew	Resume Building Workshop - New Ideas for a New Generation Green, Andrew	Understanding Change Within Northwestern Montana Lakes Based on Water Clarity and Temperature Minissale, Kari
9:20 AM		Panel Discussion	Managing Hatchery Effluent in Water Quality Limited Receiving Waters Wiseman, Chad
9:40 AM	Morning Break		
10:00 AM	Plenary Session		
12:00 PM	Lunch		
	Sockeye Salmon in the Pacific Northwest	Invasive and Introduced Species: Negative Impacts and Unexpected Opportunities - Day 2	Bringing New Perspectives to Marine and Estuarine Fisheries - Day 2
1:20 PM	Assessing Effectiveness of Sockeye Salmon Enhancement Under the Pacific Salmon Treaty McPhee, Megan	Salmonid Escapees Invading Sub-Antarctic Rivers of Chile and Impacting Native Galaxias Moore, Sabrina	Abundance and Distribution of Brown Shrimp (<i>Farfantepenaeus aztecus</i>) in Maryland Coastal Lagoons Rubalcava, Kasondra
1:40 PM	Thermal Preference and Behavioural Thermoregulation of Adult Sockeye Salmon in Babine Lake Dextrase, Avery	Consistency in Nonnative Piscivore Diets Across Three Contrasting Water Years Pilger, Tyler	Patterns in Oyster Shell Biomass in Suwannee Sound, Florida Casteel, Jamie
2:00 PM	Columbia Basin Sockeye Salmon, Past, Present, and Future? Fryer, Jeffrey	Distribution Overlap between Non-Native Trout and Native Snow Carps in Himalayan Streams Jan, Arif	Oyster Restoration, Species Diversity, and Water Quality in Rehoboth Bay, Delaware Teat, Marcus
2:20 PM	Contribution of Snake River Sockeye Salmon Captive and Anadromous Adults Released into Redfish Lake Johnson, Eric	Are Smallmouth Bass a Major Threat to Juvenile Atlantic Salmon? A Habitat Suitability Model Approach Smith, Rylee	
2:40 PM		Preliminary Estimates of Non-Native Predator Abundance in Lake Sammamish, Washington Howard, Jillian	Hudson River Striped Bass Recruitment to 'Extra' Nurseries Arai, Kohma

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Tuesday, August 23, 2022

402A	402B	402C	
Sockeye Salmon in the Pacific Northwest	Invasive and Introduced Species: Negative Impacts and Unexpected Opportunities - Day 2	Bringing New Perspectives to Marine and Estuarine Fisheries - Day 2	
3:00 PM	Afternoon Break		
3:20 PM	Spawner Demographics and Spawning Behavior of Sockeye Salmon Reintroduced into Cle Elum Lake Matala, Andrew	Managing Native and Invasive Fisheries with Non-Structural Bubble Deterrent Systems in Texas Urbanczyk, Aaron	Water Quality Influence on Atlantic Sturgeon Aggregation in the Altamaha River, Georgia Kleinhaus, Maxwell
3:40 PM	Adaptive Management of the Wenatchee Sub-Basin Sockeye Salmon Supplementation Program Willard, Catherine	Assessing the Efficacy of Oblique Bubble Screens as Egg/Larval Dispersal Barriers Suski, Cory	ARIS Sonar Imaging of Adult Atlantic Sturgeon in the Nanticoke-Marshyhope System Coleman, Nicholas
4:00 PM	Improved Water Management Facilitates the Recovery and Persistence of Okanagan Sockeye Kahler, Thomas	Modeling the Effect of Acoustic Deterrents on Invasive Carp Behavior Reichenbach, Matthew	Evaluating the Timing and Distribution of Green Sturgeon in Washington's Coastal Estuaries Heironimus, Laura
4:20 PM	Success and Setbacks of Okanagan River Sockeye Salmon in a Changing River Environment Murauskas, Joshua	Development of Non-Structural Technologies for Invasive Species Control: Brandon Road Lock and Dam Woodley, Christa	Juvenile Salmon Use of Habitat Mosaics Across a Gradient of Estuarine Degradation Gan, Julian
4:40 PM	Trials and Tribulations in Estimating Okanagan Sockeye Sockeye Escapement at Zosel Dam Schaller, Sonya	Spatiotemporal Understanding of the Acoustic Signals Influence on Invasive Carp Behavior Maloney, Megan	

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Wednesday, August 24, 2022

	102AB	102CD	103	111A	111B	111C
	Advancements in Salmonid Habitat Carrying Capacity Estimation Techniques	CANCELLED Navigating the Stream: A Spotlight on ECR Career Paths in Fisheries	Contributed Topic: Ecosystem-based Fisheries Management-1	The Oceanic Life of Salmonids - Day 1	An Exploration of Strategies and Approaches to Effectively Assess the Impacts on Marine and Coastal Habitats in the Context of Changing Conditions	Indigenous Aquaculture Leadership and Innovation in Fisheries Management; Thirty Years and Counting - Day 2
1:20 PM	An Osprey's View: Aerial Imagery Reveals How Submerged Macrophytes Create Trout Habitat McLaren, John		CO2 in Flowing Freshwater: What Can We Learn from 30-Years of Data? Toavs, Tim	New Insights into the Marine Distributions of Pacific Salmon Langan, Joseph	Ecological Niche Modeling and Coastal Sharks of the US Southeast Atlantic O'Brien, Kaitlyn	Coho Reintroduction in the Upper Columbia: Using Adaptive Management to Achieve Success Kamphaus, Cory
1:40 PM	Drone-Assisted Stream Habitat (DASH) Surveys to Identify Target Conditions and Inform Restoration Mackey, Tulley		Evaluating Red Tides Effects on the West Florida Shelf Vilas, Daniel	Tracking the Marine Migrations of Coho and Chinook Salmon Through Otoliths Quindazzi, Micah		
2:00 PM	Applying Dispersal Patterns to Identify Optimal Egg Planting Locations for Atlantic Salmon in Maine Atkinson, Ernest		Microbial 'Omics Shed Light on Community Dynamics Within Recirculating Aquaculture Systems *Student Judging* Rieder, Jessica	Stock-Specific Chinook Salmon Distributions and Survival in Coastal British Columbia Freshwater, Cameron	Assessing Impacts of Climate Change on Habitat Availability in Chesapeake Bay Schonfeld, Adena	Kelt Reconditioning - Safety Net for Natural Snake River Steelhead Everett, Scott
2:20 PM	Efficiently Estimating Salmonid Capacity Using Snorkel Surveys Blackman, Tara			Marine Behavior and Distribution of Mixed-Aged Chinook Salmon on the Continental Shelf of Washington Smith, Joseph		Discussion
2:40 PM	Habitat Capacity Index for Juvenile Chinook Salmon in a Columbia River Tributary Justice, Casey					
	Afternoon Break					
3:00 PM					Getting it Right: Advancing Successful Supplementation For Recreation, and Recovery - Day 1	Monitoring Fishes with Environmental DNA: Innovative Approaches to Persistent Knowledge Gaps - Day 1
3:20 PM	Mapping Juvenile Salmon Carrying Capacity at the Riverscape Based on Bioenergetic Modeling Tonina, Daniele		Ecosystem Diagnosis & Treatment Modeling of Salmonids in Select Willamette Subbasins Sobota, Janel	Highlights from the 2022 IYS Pan-Pacific Winter High Seas Expedition Weitkamp, Laurie	Opening Remarks	Comparison of Environmental DNA and Bottom Trawling for Detection of Rare Marine Fishes Kinziger, Andrew

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Wednesday, August 24, 2022

	102AB	102CD	103	111A	111B	111C
	Advancements in Salmonid Habitat Carrying Capacity Estimation Techniques	CANCELLED Navigating the Stream: A Spotlight on ECR Career Paths in Fisheries	Contributed Topic: Ecosystem-based Fisheries Management-1	The Oceanic Life of Salmonids - Day 1	Getting it Right: Advancing Successful Supplementation For Recreation, Restoration, and Recovery - Day 1	Monitoring Fishes with Environmental DNA: Innovative Approaches to Persistent Knowledge Gaps - Day 1
3:40 PM	Using Quantile Random Forest Models to Estimate Salmon and Steelhead Carrying Capacity Oldemeyer, Bryce		Predation on Juvenile Salmonids by Double-Crested Cormorants Nesting on the Astoria-Megler Bridge Banet, Nathan	Marine Life History Diversity: Another Asset in the Portfolio Effect for Chinook Salmon Lerner, Jacob	Volitional Spawning and Egg Incubation Practices Used to Recover Kootenai River Burbot Jones, Riley	Developing CRISPR and Nanopore Technologies for Field eDNA Analysis and Abundance Estimation Phelps, Michael
4:00 PM	Effects of 2D Hydrodynamic Model Resolution on Coho Salmon Habitat Estimates Smit, Reuben		Estimating Food Web Structural Responses to Water Alterations in the Biscayne Bay Using Ewe Models Best-Otubu, Chryston	Ocean Variability and Salmon Hatchery Release Strategies: Some Thoughts. Beckman, Brian	Releasing Early Life Stages of Burbot in the Kootenai/Ay River Basin Lunger, Brycen	An Environmental DNA Method for Simultaneous Detection of Multiple Targeted Species Simonin, Paul
4:20 PM			Coherence of Aggregate Biomass Ecosystem Indicators in the Mid-Atlantic Bight, USA Gartland, James	Fish Monitoring at the Woodland Islands Dredge Material Placement Site, Lower Columbia River Estuary Hansen, Amy	Reconnecting the Kootenai River Floodplain to Restore Burbot Lota Lota Maculosa Diller, Brandon	
4:40 PM				Investigation of a Mortality Hotspot for Emigrating Chinook Salmon Smolts in the California Delta (Agosta) Peterson, Amanda	Coho Salmon Habitat-Based Carrying Capacity to Balance Adult Escapement and Juvenile Stocking Cross, Benjamin	
5:00 PM						
5:20 PM						
5:40 PM						
6:00 PM						
6:20 PM						

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Wednesday, August 24, 2022

	300A	300B	300C	300D	301	302A
	Contributed Topic: Genetics-2	Contributed Topic: Marine-2	Reintroducing Migratory Fishes and Restoring Their Ecological Roles - Day 3	Connectivity Through Barrier Removal: Balancing Critical Ecosystem Processes with Complex Management Issues - Day 2	Contributed Topic: Freshwater Fisheries Management-2/3	Improving Human Dimension Perspectives in Fisheries Ecosystem Based Management Approaches
1:20 PM	Population Structure in Puget Sound Rockfishes (Sebastes Spp.): Using Genetics to Improve Management Wray, Anita	Age and Growth of Blackfin Tuna (Thunnus atlanticus) in the Northern Gulf Of Mexico Gutierrez, Elsa	Juvenile River Herring Response to Low-Head Dam Removals in Massachusetts Devine, Matthew	The Consequences of Connectivity: A Decision Analytic Approach to Fish Passage Decisions Flinn, Shane	Smallmouth Bass Age and Growth in Lake Washington Schaffler, Jason	Modeling Human Dimension Risk and Uncertainty in Ecosystem Approaches in Atlantic Striped Bass Ward, John
1:40 PM	Liver IGF1 Response in Gopher Rockfish (Sebastes carnatus) to Feeding Post-Fasting Mapes, Hayley	Recaptures from Angler Delivered Tagging Program Highlights Trends in Angler Behaviour Hall, David	New Connections: Sturgeon and Dam Removals in Gulf of Maine Rivers Zydlowski, Gayle	Efficacy of Fish Weirs in Controlling Hatchery-Origin Chinook Salmon in Southwest Washington Dammerman, Kari	Angler Opinion of Florida's Largemouth Bass Regulation on the Escambia River Marsh Mattair, Amanda	Ecosystem Services of Hatchery and Naturally Produced Salmon: A Comprehensive Review Shelley, Katharine
2:00 PM	Distribution Patterns of Corbicula Fluminea in Typical Habitats of the Yangtze River Jia, Meixiang	Trophic Ecology and Vertical Habitat of Five Species of Billfish in Northwestern Pacific Ocean CHIANG, WEI CHUAN	Estimating Spawning Habitat Suitability and Reintroduction Feasibility of Summer-Fall Chinook Salmon Bellgraph, Brian	Factors Affecting Northern Pike Leaping Ability: Implications for Barrier Design in Invaded Systems *Student Judging* Cabbage, Taylor	Trajectory of Habitat and Fish Assemblages in the Llano River Following a Large-Scale Flood Bean, Preston	Caribbean Stakeholders Perceptions for Achieving Sustainable Fisheries Acosta, Alejandro
2:20 PM	Riverscape Community Genomics: Intraspecific Genetic Structure Driven by Common Processes Zbinden, Zach	Age and Growth of Sciaenops Ocellatus in the Northwestern Gulf of Mexico Leal, Sandra		Impact of Dams on Fish Community Structure in the Lower Little River Dockendorf, Kevin	Using a Holistic Approach to Connect Research, Management, and Policy Mather, Martha	Small Bags, Bigger Panfish: Paired Biological and Social Evaluations of Restrictive Regulations Latzka, Alexander
2:40 PM	Multi-Species Simulations for Riverscape and Landscape Genetics Day, Casey	Use of Acoustic Telemetry to Evaluate Dredging Effects on Fish Kumagai, Kevin		An Interdisciplinary Evaluation of Multi-Species Fish Connectivity in Canada's Historic Rideau Canal Bergman, Jordanna	Dispersal and Survival of Stocked Striped Bass in a Missouri Reservoir Boehm, Hadley	Incorporating Ecosystem Approaches with Human Dimension Factors in the Management of Marine Protected Areas Opolento, Raphael
3:00 PM	Mississippi-Yangtze River Basin Symposium: Learning from River Conservation and Management Across the Globe - Day 3 Species Diversity and Conservation of Unionids in the Yangtze River Basin China (REMOTE) Wu, Xiaoping	Afternoon Break	Contributed Topic: Statistics and Modelling-1		Afternoon Break	
3:20 PM	Silver Carp Population Demographics in a Large River System: Identifying Management Locations Sterling, Edward	Estimating Economic Impacts of Offshore Wind Development on Atlantic Commercial Squid Fisheries Bingham, Matthew	Estimating Abundance Indices for Labrador Shelf Redfish Via a Spatio-Temporal Model Fuller, Natalie	The Intersection of Barrier Removal and Fish Deterrence: A USACE, Chicago District Perspective Barkowski, Nicholas		Panel Discussion

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Wednesday, August 24, 2022

	300A	300B	300C	300D	301	302A
	<p>Mississippi-Yangtze River Basin Symposium: Learning from River Conservation and Management Across the Globe - Day 3</p>	<p>Contributed Topic: Marine-2</p>	<p>Contributed Topic: Statistics and Modelling-1</p>	<p>Connectivity Through Barrier Removal: Balancing Critical Ecosystem Processes with Complex Management Issues - Day 2</p>	<p>Contributed Topic: Freshwater Fisheries Management-2/3</p>	<p>Improving Human Dimension Perspectives in Fisheries Ecosystem Based Management Approaches</p>
3:40 PM	<p>Current Status of Fisheries Resources in Yangtze River: A 5-Years Investigations Summary (REMOTE) Wei, Qiwei Wei</p>	<p>Angler's Aid in Mitigation Efforts Against Thiamine Deficiency Complex in Chinook Salmon Ward, Abigail</p>	<p>Imaginary Fish in Space: Predicting Population Distribution with Underlying Clustering and Movement Mistry, Kelly</p>	<p>Invasive Carp and Paddlefish Passage at Mississippi River Navigation Locks and Dams Fritts, Andrea</p>	<p>Development of Eco-Tourism in Himalayas and Karakoram Through Sustainable Trout Fisheries Khan, Muhammad Naeem</p>	<p>Panel Discussion</p>
4:00 PM	<p>Integrated Application of Multifaceted Diversity in Freshwater Biodiversity Conservation (REMOTE) Jia, Yintao</p>	<p>Evaluating post-harvest survival based on claw removal technique in the western Atlantic stone crab fishery, and engaging fisher networks to implement best practices Schneider, Eric</p>	<p>Using Models to Evaluate and Understand the Efficacy of Flow Management Actions for Salmon Parasites Alexander, Julie</p>	<p>Feasibility of Using an Underwater Acoustic Deterrent System for Invasive Carp Control Brey, Marybeth</p>	<p>Climate Change and Managing Effects of Increasing Wildfires on Southwestern Fishes Bonar, Scott</p>	
4:20 PM	<p>Stock Enhancement and Conservation of Chinese Mitten Crab in the Yangtze Estuary (REMOTE) Zhao, Feng</p>		<p>Guidance for Applying Logistic Regression in Selecting Species Records from Multispecies Data Langseth, Brian</p>	<p>Evaluation of Bioacoustic Fish Fence to Deter Invasive Carp Upstream Passage Simmonds, Rob</p>	<p>Stressor Legacies Erode Salmon Fishery Climate Resilience in California's Warming Landscape Munsch, Stuart</p>	
4:40 PM				<p>Modeling the Effect of Underwater Engineered Acoustic Signals on Invasive Carp Behavior Reichenbach, Matthew</p>	<p>Fish Misidentification and Incomplete Detection Affecting Data Informing Water Operation Decisions Peterson, James</p>	
5:00 PM	<p>Annual Effects of Flow Discharge on Abundance and Diversity of Ichthyoplankton in the Hejiang Segme (REMOTE) Ma, Tingting</p>					
5:20 PM	<p>Silver Carp Age Estimation. the Pursuit of a Gold Standard Jolley, Jeff</p>					
5:40 PM	<p>Effects of River-Lake Connectivity and Human Factors on Fish Biodiversity in the Yangtze River (VIRTUAL) Xiong, Fangyaun</p>					
6:00 PM	<p>Impact of Anthropogenic Activities on Changes of Ichthyofauna in the Middle and Lower Xiang River (REMOTE) Li, Deliang</p>					
6:20 PM	<p>Discussion</p>					

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Wednesday, August 24, 2022

	302B	303A	303B	401A	401B	401C
	Bull Trout Status and Science Nearly 25 Years After Listing - Day 2	Fisheries Bioengineering: Innovative Improvements in Connectivity, Protection, and Habitat - Day 1	Bringing it all Together: Data Integration for Fisheries Research and Management Success - Day 1	Advances in Applications and Techniques of Hard Part Microchemistry - Day 2	Advancing Adaptation and Resilience for Climate-Ready Fishing Communities	Application of 'Recirculating' Aquaculture Systems for Conservation, Enhancement, and Sportfish Management Programs
1:20 PM	Safe Passage: Fish Screens Protect Migration Corridors of Fluvial Bull Trout Gillies-Rector, Kat	Opening and Welcome: What is Bioengineering? AFS Bioengineering Section			Opening Remarks	A Review of RAS Technology in a Flow-Through System Sharon, Steve
1:40 PM	Evaluation of a Two-Way-Trap and Transport Program for Adfluvial Bull Trout Kusnierz, Paul	Use of Flexible Baffles to Improve Aquatic Organism Passage Through Culverts Scott, Shane	An End-To-End Ecosystem Model of the Northern California Current Gomes, Dylan	Eye Lens? 14C Expands the Utility of the Bomb Radiocarbon Chronometer Chamberlin, Derek	Fishing Footsteps: Changing Footprints of the US West Coast Groundfish Trawl Fishery Samhoury, Jameal	Intensive Production of Walleye in Flow-Through and Recirculating Water Systems Fischer, Greg
2:00 PM	Effects of Incidental Netting Bycatch on Bull Trout in a Large Lake Strait, Jeff		The Effective Use of An Ecosystem Model for Streamflow Restoration Planning Doyle, Eric	Fourier Transform Near Infrared Spectroscopy - a Rapid and Transformative Method for Fish Ageing Barnett, Beverly	Estimating a Climate-Informed, Bio-Economic Model for the Inshore Maine Lobster Fishery Kim, Jaeheon	Intensive Production of Salmon and Trout in Coldwater Recirculating Water Systems Fischer, Greg
2:20 PM	Population Dynamics of Bull Trout in Lake Pend Oreille, Idaho Ransom, Andrew	Funding and Permitting Small Dam Removals for Fish Passage in Washington State Holloway, Becky	Challenges in Assessing Ecosystem Recovery in Acidified Adirondack Mountain Streams of New York Baldigo, Barry	Examining the Annular Periodicity of Hardpart Microconstituents as a Means of Age Validation Frey, Benjamin	Defining 'Groundfish Communities' in the Context of Climate-Oriented Shifts in Ocean Conditions Norman, Karma	Niagara Springs Repatriation Snake River White Sturgeon Culture Olson, Rylee
2:40 PM	What Can Genetic Data Tell Us About Bull Trout Status and Trend in Montana? Kovach, Ryan	Middle Fork Nooksack Dam Removal, River Modification to Restore Fish Passage Prociv, Matthew	Integrating Data to Monitor Life History Diversity in Columbia Basin Salmonids Willis, Stuart			Implementation of Water Reuse at the Tulalip Hatchery for Increased Chinook Production. Whitbeck, David
	Afternoon Break				Afternoon Break	
3:00 PM				Contributed Topic: Sportfish Management-2		
3:20 PM	Investigating Threshold Interactions between Bull Trout and Invasive Brook Trout in Idaho Voss, Nicholas	Where Are the Little Ones? Monitoring Side-Channel Restoration with RFID Technology. Porter, Nick	Enhancing Decision Support with Restoration Project Data Pipelines Sherman, Kate	Evaluating Spine Microchemistry to Identify Stocked Channel Catfish and Size at Stocking Winstead, Morgan		Panel Discussion

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Wednesday, August 24, 2022

	302B	303A	303B	401A	401B	401C
	Bull Trout Status and Science Nearly 25 Years After Listing - Day 2	Fisheries Bioengineering: Innovative Improvements in Connectivity, Protection, and Habitat - Day 1	Bringing it all Together: Data Integration for Fisheries Research and Management Success - Day 1	Contributed Topic: Sportfish Management-2	Advancing Adaptation and Resilience for Climate-Ready Fishing Communities	Application of 'Recirculating' Aquaculture Systems for Conservation, Enhancement, and Sportfish Management Programs
3:40 PM	Considerations for Bull Trout Reintroduction: the Sullivan Lake Case Study Kuttel, Erin	Reconnecting Off-Channel Salmonid Habitat at Nur Pon Below Shasta Dam, California Hannon, John	Integrating Integrating Ecosystem Models with Long- Term Monitoring to Support Salmon Recovery Arterburn, John	Establishing a Standardized Sampling Method for Channel Catfish in Small Illinois Impoundments Rosandich, Mitchell		
4:00 PM		The Merced River Agricultural Diversion and Fish Habitat Enhancement Project Brown, Rocko	An Integrated Population Model to Inform Salmon Management in the Columbia River Basin Sorel, Mark	Where Are the Native Walleye? An Assessment of Native and Introduced Strains in West Virginia Johnson, Andrew		
4:20 PM		Implementing and Monitoring Lateral Connectivity for Salmonid Rearing: Hallwood Restoration Project Sawyer, April	Widening Fisheries Managers' Perspectives on Data Exchanges from the Individual to CAP Leonard, Nancy	Influence of a Lake-Wetland Complex on Walleye Diet and Movement Cutler, Logan		
4:40 PM		Panel Discussion	Fishscales: A Contemporary Stream Fish Community Database for the Conterminous US Peoples, Brandon	Estimating Age and Growth of Largemouth Bass in Southwestern Reservoirs Using Otoliths and Scales. Ingram, Steven		
5:00 PM				Focusing on What Matters: Evaluating Multiple Challenges to Stability in Recreational Fisheries Golden, Abigail		
5:20 PM						
5:40 PM						
6:00 PM						
6:20 PM						

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Wednesday, August 24, 2022

	402A	402B	402C
		Shifting Baselines: Improving DEIJA Communication Within Fisheries	20 Years of WDAFS Riparian Challenge Projects
	Perspectives from the West Coast Nearshore		
1:20 PM	State of the Knowledge of West Coast Nearshore Fish Habitats Selleck, James	Fieldwork Culture, Safety, and Inclusivity Morano, Janelle	20 Years of the WDAFS Riparian Challenge Award Wendt, Tracy
1:40 PM	West Coast Nearshore Habitat Data Framework Sherman, Kate	The Fisheries Diversity and Inclusion Podcast: Communicating DEIJA Through Podcasting Bunch, Aaron	Karnowsky Creek, a Step in the Evolution of Depositional Valley Restoration Burns, Paul
2:00 PM	Density Dependence in Puget Sound Herring Stocks: Juvenile Vs Adult Life Stages Greene, Correigh	DEIJA 101: Communicating Foundational Knowledge to Initiate DEIJA Efforts in Fisheries Betances, Samantha	Cosumnes Floodplain Mitigation Bank 2013 Riparian Challenge Award Recipient- Looking Back to See the Future Gause, Matt
2:20 PM	Coastal Distribution of Longfin Smelt, <i>Spirinchus thaleichthys</i> , in the Northeastern Pacific Ocean Young, Matthew	Creating a Sense of Belonging Through Communication in Fisheries Science Nehemiah, Samara	Hnmulshench Project (West Fork Lake Creek Stream and Wetland Enhancement) Hallock, Stephanie
2:40 PM		Working Alone Together: The Impact of the COVID-19 Pandemic on Agency, Staff, and Natural Resources Steffen, Susan	Collaborative Restoration and Monitoring in the Maggie Creek Basin, Nevada. Rzyska-Filipek, Nicholas
	Fishery-Dependent Observing and Monitoring	Afternoon Break	
3:00 PM			
3:20 PM	Comparing Bycatch Estimation Methods in the Gulf of Mexico Reef Fish Fishery Rykowski, Marissa	Fishing for Language That Increases Accessibility to Research and Fellowship Funding Guo, Lian	BLM and Community Partners Work to Restore the Mattole River and Estuary Ruddy, Zane

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Wednesday, August 24, 2022

	402A	402B	402C
	Fishery-Dependent Observing and Monitoring	Shifting Baselines: Improving DEIIA Communication Within Fisheries	20 Years of WDAFS Riparian Challenge Projects
3:40 PM	Using Observer Data to Develop Standardized Stock Indices for the Northeast Multispecies Fishery Greziik, Maxwell	Fish Sisters Support Each Other: Lessons from the Women of Fisheries Flaherty-Walia, Kerry	Five mile Bell Project: Vegetation Based Stage 0 Restoration in Coastal Oregon Burns, Paul
4:00 PM	Development of Fishery-Dependent Abundance Indices for Alaska Sablefish (<i>Anoplopoma fimbria</i>) Cheng, Matt	Best Practices for Improving DEIIA in the Fisheries Employment Hiring Process Boehm, Hadley	Sediment Reduction in the Big Hole, MT-French and Oregon Creek Restoration LaPorte, Ben
4:20 PM	Estimating Inland Recreational Fisheries Catch and Effort Throughout the United States (VIRTUAL) Robertson, Matthew	Co-Managing for Resource Protection, Equity, and Differing Worldviews Shultz, Aaron	From Timber to Trout: Tri-Basin Watershed Restoration on the Bridger-Teton National Forest Olsen, Kate
4:40 PM		Contributions of NOAA LMRCS in Enhancing Workforce Diversity in the Marine Science Chigbu, Paulinus	Fish Dig Connected Valley Bottoms: 5 Award Winning Projects in Western Oregon Hogervorst, Johan
5:00 PM		Panel Discussion	
5:20 PM			
5:40 PM			
6:00 PM			
6:20 PM			

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Thursday, August 25, 2022

	100B	102AB	102CD	103	111A
	Local Decision Making with a Global View - Time is of the Essence	The Decision Process and Techniques Used for Nuisance Fish Removal	Linking Aquatic Organism Passage and Climate Resiliency	Contributed Topic: Population Dynamics- 1	The Oceanic Life of Salmonids - Day 2
8:00 AM	Workshop Session 1	Herding Silver Carp: Measures of Efficacy and Implications for Design and Application Ridgway, Josey	Improving Resilience of Fish Passage to Climate Change: NMFS West Coast Guidance Ray, Andrea		Spatiotemporal Dynamics of Chum Salmon Bycatch in the Bering Sea Barry, Patrick
8:20 AM		Pushing Back Against Invasive Northern Pike: Application of a Large-Scale Suppression Program Bean, Nicholas	Assessing How a Hydroelectric Dam in Pakistan Impacts the Life History of Migratory Fish Shoab, Ahmad	Florida Stone Crab Population Dynamics, Temperature Effects on Release Mortality and Catchability Kehoe, Liam	Decadal Trends in Juvenile Salmon Growth in the Northern California Current (2000-2019) Journey, Meredith
8:40 AM		Long-Term Brook Trout Suppression Program Yields Strong Cutthroat Trout Population Response Witte, Bryan	Hydrology and Fish Movement in a Small Urban Stream Booth, Michael	Reference Point Calculator: An Interactive Shiny App for Exploring Limit Reference Points Huynh, Quang	Evidence for Different Critical Periods in Yukon River Chinook and Chum Salmon Howard, Kathrine
9:00 AM		Managing Against Rainbow Trout in the South Fork Snake River High, Brett	Critical Partnerships and Strategies for Implementing Aquatic Organism Passage Projects at Scale Hall, Eileen	Stock Assessment of Witch Flounder in NAFO 3N+3O Division Chen, Jiaying	A Middle Schooler's Perspective of Salmon Ocean Research Wells, Brian
9:20 AM		Exploring Metapopulation-Scale Suppression Alternatives for a Global Invader in a River Network Healy, Brian		Abundance and Growth of Juvenile Atlantic Sturgeon (Acipenser oxyrinchus) in the Edisto River, SC Takacs, Molly	Nonstationarity of Chinook and Coho Marine Survival Associated with Ecosystem Variables Kendall, Neala
9:40 AM	Morning Break				
10:00 AM	Plenary Session				
12:00 PM	Lunch				
	Local Decision Making with a Global View - Time is of the Essence	The Decision Process and Techniques Used for Nuisance Fish Removal	Linking Aquatic Organism Passage and Climate Resiliency	Contributed Topic: Population Dynamics- 2	The Oceanic Life of Salmonids - Day 2
1:20 PM	Workshop Session 2	Case Studies from the Gila River Basin Native Fishes Conservation Program Stewart, William		Drivers of Chinook Production and Population Synchrony Across 30 Degrees of Latitude O'Donnell, Daniel	Synthesis of Findings and Recommendations from the Salish Sea Marine Survival Project White, Jacques
1:40 PM		Improving Invasive Control Through Identification of Gears Selective for Juvenile Size Classes Fadlovich, Rae		Interactions between Life History and the Environment on Changing Growth Rates of Chinook Salmon Buckner, Johnack	The Consequences of Changing Selection Pressures on Marine Migration in Atlantic Salmon Adams, Colin

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Thursday, August 25, 2022

	100B	102AB	102CD	103	111A
	Local Decision Making with a Global View - Time is of the Essence	The Decision Process and Techniques Used for Nuisance Fish Removal	Linking Aquatic Organism Passage and Climate Resiliency	Contributed Topic: Population Dynamics- 2	The Oceanic Life of Salmonids - Day 2
2:00 PM	Workshop Session 2	Invasive Species Control as a Disturbance: Overcoming Resilient Populations Wallace, Ellie		Size, Connectivity and Edge Effects of Stream Habitats Explain Brown Trout Density *Student Judging* Tamario, Carl	Linkages between Food Supply and Marine Survival for Salish Sea Salmon Duffy, Liz
2:20 PM		Hitting the Reset Button: Piscicide Application in the Presence of Endangered Species Hedden, Skyler		Target Levels of Pelican Abundance to Achieve Objectives for Cutthroat Trout McCormick, Joshua	Pinniped Predation Impacts Marine Survival of Juvenile Salmonids in the Salish Sea Duffy, Liz
2:40 PM		Rotenone Stewardship Program: Best Management Practices for Fish Control Jackson, Chad			
3:00 PM	Afternoon Break				
3:20 PM	Workshop Session 3	Environmental Factors Influencing the Toxicity of Antimycin-A Saari, Gavin		Drought Impacts on Trout Production in Major Fisheries Across Montana Cline, Timothy	Adult Chinook Salmon Diets Identify Distinct Forage Communities in the Salish Sea *Student Judging* Greentree, Wesley
3:40 PM				Seasonal Variations in Abundance and Distribution of Spotted Seatrout in North Carolina Brooks, Johnna	Consumption of Pacific Salmon by California and Steller Sea Lions in Northwest Washington Scordino, Jonathan
4:00 PM				Process Models for Fish Populations Undergoing Range Shifts Under Climate Change Rathnayaka Mudiyansele, Wajra Jeewantha Bandara	Winter Feeding and Bioenergetics of Juvenile Chinook Salmon in Southern British Columbia Innes, Katie
4:20 PM				Assessment of Channel Catfish Population Dynamics in the Wabash River Thompson, Valerie	Juvenile Chinook Salmon Growth and Survival: Top-Down and Bottom-Up Effects in an IBM Vasbinder, Kelly
4:40 PM				Effects of Catch-And-Release Fishing on Atlantic Tarpon (Megalops atlanticus) in Puerto Rico Neal, J. Wesley	Chinook Salmon Bycatch in the Hake Fishery Sabal, Megan

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Thursday, August 25, 2022

	111B	111C	300A	300B	300C
	Getting it Right: Advancing Successful Supplementation For Recreation, Restoration, and Recovery - Day 2	Monitoring Fishes with Environmental DNA: Innovative Approaches to Persistent Knowledge Gaps - Day 2	River Rehabilitation in the Anthropocene: the Changing Face of Fisheries Management	Contributed Topic: Data Collection and Management	Contributed Topic: Statistics and Modelling-2
8:00 AM	Assessing Overwinter Performance of Extensive Cultured Muskellunge Koupal, Keith	Refining Edna Surveys: Using Foreign Edna to Evaluate Edna Transport in Streams. Herman, Braden	Effects of An Extreme Flood on Composition and Structure of Larva and Juvenile Fishes in the Middle (REMOTE) Li, Zhongyang		
8:20 AM	The Influence of Release Time on Subyearling Chinook Salmon Smolt Survival Lauver, Eric	Using a Foreign DNA Tracer to Calibrate Coho Salmon eDNA in Streams Bandy, Gavin	Contemporary Regime Shifts in Fish Communities of the Upper Mississippi and Illinois Rivers Bouska, Kristen		Analysis of Freshwater Mussel Populations Using Mark-Recapture Methods Guerrero, Brandon
8:40 AM	Straying of Minijack Chinook Salmon Released from a Captive Broodstock Hatchery Program Taylor, Timothy	Enumerating Parasite and Host in the Klamath River with eDNA: Hydrology Matters Keel, Dylan	Thermal Impact of Effluent on Urban Streams in Winter: Concern and Mitigation Adams, Catherine		Snake River Steelhead Overshoot and Overwintering in the Upper Columbia River Basin Willard, Catherine
9:00 AM	Effects of Release Size, Location and Timing on the Early Freshwater Survival of Chinook Salmon Balfour, Tom	Comparison of Environmental DNA and Snorkel Surveys for Monitoring Fish Distributions Shaffer, Jason	Reduced Shipping Vessel Traffic Yields Fish Community Change along a Large River Spear, Michael		Investigating Theoretical Predictions of Patterns in Lotic Fish Assemblages Colvin, Susan
9:20 AM	Effects of Hatchery Rearing History on Out-Migration Survival of Chinook Salmon Smolts Burdick, Summer	Assessing the Distribution and Abundance of Bridle Shiners in Maine Katz, Lara	Did Carbon Sources Change Following a Fish Assemblage Shift in a Large River? Pyron, Mark		Quantifying the Relationship between Snorkel Counts and Mark-Recapture Estimates of Juvenile Salmonids at Multiple Scales Falcu, Matt
9:40 AM	Morning Break				
10:00 AM	Plenary				
12:00 PM	Lunch				
	Getting it Right: Advancing Successful Supplementation For Recreation, Restoration, and Recovery - Day 2	Monitoring Fishes with Environmental DNA: Innovative Approaches to Persistent Knowledge Gaps - Day 2	River Rehabilitation in the Anthropocene: the Changing Face of Fisheries Management	Contributed Topic: Data Collection and Management	Contributed Topic: Statistics and Modelling-2
1:20 PM	Harvest of Chinook Salmon and Steelhead Originating from Upper Columbia River Hatcheries O'Connor, Rolland	The Lhaq'temish Search for An Important Forage Fish Mallon, Rachael	Recovery of Riverine Characteristics in the Everglades: Implications for Fisheries Management Trexler, Joel	An Investigation of Stream Habitat Surveys Via Unmanned Aerial Vehicle (UAV) Klett, Ryan	
1:40 PM	Hatchery Vs. Wild Chinook Salmon Life History and Implications for Fisheries and Water Chen, Emily	Environmental DNA Reveals River Herring Habitat Use and Recolonization after Restoration Ogburn, Matthew	Eel River of Northern Indiana: Holistic Strategies for Ecological Restoration Sweeten, Jerry	The Use of Drones to Identify and Enumerate Salmonid Redds Auerbach, Daniel	

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Thursday, August 25, 2022

	111B	111C	300A	300B	300C
	Getting it Right: Advancing Successful Supplementation For Recreation, Restoration, and Recovery - Day 2	Monitoring Fishes with Environmental DNA: Innovative Approaches to Persistent Knowledge Gaps - Day 2	River Rehabilitation in the Anthropocene: the Changing Face of Fisheries Management	Contributed Topic: Data Collection and Management	Contributed Topic: Statistics and Modelling-2
2:00 PM	Can Oxygenating Net Pens Improve Sucker Growth and Survival in a Hypereutrophic Lake? Burdick, Summer	The Legacy of Fish Stocking in Olympic National Park High Mountain Lakes Kierczynski, Katie	Restoring Fish and Fish Habitat in Midwestern Rivers Paukert, Craig	A Non-Traditional Framework for Assessing the Abundance and Ecosystem Health of Data-Poor Species Mayes, Cristin	
2:20 PM	Largemouth Bass Hatchery Contributions Quantified Via Parentage-Based Tagging Hargrove, John	Transitioning an Autonomous eDNA Monitoring Systems for the Detection of Aquatic Pathogens Rudberg, Edgar	Using Dredged Material to Restore Salmonid Habitat Within the Lower Columbia River Moritz, Hans	Disentangling the Impacts of Fisheries Management Measures on Large Whale Bycatch Risk Riekkola, Leena	
2:40 PM	Outcrossing Captive Rainbow Trout Broodstock to Reduce Mortality in Progeny Exposed to IHNV Trushenski, Jesse	Environmental DNA (eDNA) Assays for Monitoring of Lake Sturgeon in the Great Lakes Silverbrand, Samantha	The Non-Effect of Restoring a Large River Using Large Wood: The Darling River, Australia (VIRTUAL) Thoms, Martin		
3:00 PM	Afternoon Break				
3:20 PM	Local Perceptions of Atlantic Salmon Conservation and Management in Downeast Maine Flye, Melissa		Large River Restoration Adaptation and Contingency Planning in a Dynamic Hydrologic Environment Theiling, Chuck	Aligning Hydroacoustic Survey Goals, Logistics, and Analyses: Lake Erie Pelagic Prey Fishes Dufour, Mark	
3:40 PM	Alaska Hatchery Research Program: A Comprehensive Approach to Investigate Hatchery/Wild Interactions Habicht, Christopher		River Rehabilitation at Ground Zero : a Perspective on Planning for Future Success Kopaska, Jeffery	Bio-Acoustic Monitoring with the Acoustic Zooplankton Fish Profiler Pearce, Steve	
4:00 PM	Stray Compositions of Hatchery-Origin Chinook Salmon and Steelhead in Recipient Natural Populations Pearsons, Todd		Upper Mississippi River Fisheries Habitat Restoration and the Anthropocene's Overlooked Stressor - Bureaucracy Janvrin, Jeffrey	Increasing Upstream Movement and Abundance of Walleye at Lower Granite Dam Smith, Nolan	
4:20 PM	Balancing Natural and Artificial Selection in Captive Rearing Programs Maynard, Desmond		Panel Discussion	Does Reproduction Limit Lifetime Growth? Farrell, Collin	
4:40 PM					

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Thursday, August 25, 2022

	300D	302A	302B	303A	303B
	Indigenous Data Sovereignty: Empowering Good Data Governance and Care in Fisheries	Contributed Topic: Invasive Species	Where Do Stock Assessments Go When They Die?	Fisheries Bioengineering: Innovative Improvements in Connectivity, Protection, and Habitat - Day 2	Bringing it all Together: Data Integration for Fisheries Research and Management Success - Day 2
8:00 AM	Opening Remarks	The Response of Acoustic-Tagged Common Carp Exposed to Turbulence and CO2 Injection Plumb, John	An Evaluation of Data-Limited Methods for Fisheries with Failed Age-Based Stock Assessments Deroba, Jonathan	Developments in Hydraulic Roughness Parameterization for Habitat Suitability Index Modeling Rockhill, Tyler	Data Exchange Standard for Integrating Stream Habitat Data from Multiple Monitoring Programs Scully, Rebecca
8:20 AM	Taking Care of Knowledge, Taking Care of Salmon: Indigenous Data Sovereignty Cannon, Sara	Movement of Silver Carp in the Lower Mississippi River Basin and Coastal Waterbodies Walker, Christian	Assessment Necromancy: Resurrecting a Stock Assessment Outside of a Benchmark Simpkins, Michael	Evaluation of American Shad Passage Through the Whooshh Fish Transport System Capone, Kimberly	Data Integration for Nonindigenous Aquatic Species Research and Management Neilson, Matthew
8:40 AM	Traditional Ecological Knowledge as Guidance for Restoration: Sq?Awsitk? (Okanagan River) System Lukey, Natasha	Using CO2 Within a Bubble Curtain Enhances Its Ability to Block Carp. Dennis, Clark	Empirical Estimates of Inter-Assessment Uncertainty for Marine Fish and Invertebrate Stocks Bi, Rujia	Design and Future Implementation of Selective Fish Passage Research at FishPass Zielinski, Daniel	An Evaluation of Statistical Approaches for Integrating Data from Multiple Fishery Independent Datas Thompson, Kevin
9:00 AM	Indigenous Data Sovereignty in Fisheries Management to Legacies with Our Tribal Youth Matsaw, Sammy	Invasive Carp Movement, and Behavior: Evaluating Bigheaded and Common Carp Behavioral Similarities Catalano, Alexander	Panel Discussion	Biological Requirements Leading Upstream Fish Passage Selection BC Hydro Site C Dam Autier, Vincent	Klamath Basin Fisheries Collaborative: Data Integration for Monitoring Effects of Dam Removal Betsy, Stapleton
9:20 AM	Learning from Fish in the Indigenous Foods Knowledge Network Jager, Mary Beth	Temperature Effects on Juvenile Silver Carp Swimming Speed and Metabolic Rates Wolf, K		Fine-Scale Anadromous Non-Salmonid Fish Movement Patterns and Passage at a Large Nature-Like Fishway Bunch, Aaron	Mobilizing Essential Salmon Ocean Ecology Variables Johnson, Brett
9:40 AM	Morning Break				
10:00 AM	Plenary Session				
12:00 PM	Lunch				
	Indigenous Data Sovereignty: Empowering Good Data Governance and Care in Fisheries	Contributed Topic: Invasive Species	Contributed Topic: Water Quality and Habitat-2	Fisheries Bioengineering: Innovative Improvements in Connectivity, Protection, and Habitat - Day 2	Bringing it all Together: Data Integration for Fisheries Research and Management Success - Day 2
1:20 PM	Norway House Fisherman's Co Op Resource Management Technical Department Budd-Muswagon, Russell	If You Can't Beat 'Em, Eat 'Em: Blue Catfish in Chesapeake Bay White, Shelby	Wildfire Effects on Large Wood in Rivers: Perspectives from Interior Alaska Muehlbauer, Jeffrey		From Stream to Screen: Centralizing Data Resources for Nez Perce Tribe Fisheries Stright, Tyler
1:40 PM	Indigenous Data Sovereignty: Insights from Climate Change Adaptation Research Galappaththi, Eranga	In Hot Water: Thermal Tolerance of Blue Catfish and Implications for Effects of Climate Change Nepal, Vaskar	Does Riparian Vegetation Buffer Aquatic Habitats from Direct Wildfire Impacts in Interior Alaska? Falke, Jeffrey	Rainbow Trout Passage Through Restoration Hydro Turbines at Different Scale Scales Watson, Sterling	Updated User Interface for Managing a Long-Term Dataset Rayford, Sharon

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Thursday, August 25, 2022

	300D	302A	302B	303A	303B
	Indigenous Data Sovereignty: Empowering Good Data Governance and Care in Fisheries	Contributed Topic: Invasive Species	Contributed Topic: Water Quality and Habitat-2	Fisheries Bioengineering: Innovative Improvements in Connectivity, Protection, and Habitat - Day 2	Bringing it all Together: Data Integration for Fisheries Research and Management Success - Day 2
2:00 PM	Integrating Indigenous Knowledge to Assess River Herring and Eels in Squibnocket Pond Ajmani, Asha	Evidence of Continuous Settlement of Invasive European Green Crab Instars in a Coastal Estuary Akmajian, Adrienne	Benthic Macroinvertebrates of the Okanogan River Subbasin Schaller, Sonya	Biological Evaluations of a Steep Slope Bypass at a High Head Dam Khan, Fenton	Salmon Science: Open Ocean to Open Source Van Der Stap, Tim
2:20 PM	Panel Discussion	Multi-Species Aquatic Invasive Monitoring in the Pacific Northwest Region of the USDA Forest Service Capurso, James	Water Quality Evaluation and Comparison of Several Urban Michigan Rivers Jeske, Meghan	Stress Less? Comparing Fish Stress after Bypass Pipe Vs. Vehicle Transport Passage Liss Larson, Stephanie	Panel Discussion
2:40 PM		Monitoring Invasive Northern Pike in Lake Roosevelt and Suppression at Lake Spokane Parsons, Tyler		Panel Discussion	
3:00 PM	Afternoon Break			Contributed Topic: Trophic Ecology and Food Webs	Contributed Topic: Sportfish Management-3
3:20 PM		To Flee or Not to Flee: Comparing Native and Invasive Predator Avoidance Behaviors Michels, Noland	Hydrologic Variability Drives Riverine Materials Export from a Coastal Southeast Alaskan Catchment Delbecq, Claire	Nearshore Predator Community during Pacific Herring Spawning Events in the Salish Sea Stewart, Heidi	Sport Fish Management in South Carolina's Coastal Rivers: A River Specific Approach Kaczka, Levi
3:40 PM		Species Responses to Hurricanes and Floods in Tropical Mountain Streams Roghair, Craig	Predicting the Presence of Groundwater Influenced Streams and Wetlands in the Northeastern US Snyder, Shawn	Spatiotemporal Shifts in Atlantic Cod (Gadus morhua) Diet Composition in the Gulf of Maine Linner, Robyn	Does the Use of Analogy Change Angler Attitudes More Than Scientific Evidence Alone? Lochmann, Steve
4:00 PM		Movement of Endemic Bartram's Bass and Invasive Alabama Bass in Eastatoee Creek, South Carolina Zumwalt, Tyler	Habitat Suitability Criteria and Uncertainty When Data Are Limited Shelly, Alice	Biochemical and Isotopic Tracers to Assess Otsego Lake Lake Trout Diet Farese, Nicholas	Rambblings of a State Fisheries Biologist: Lessons Learned from Standard Weight Equations Bonvechio, Timothy
4:20 PM		Using Spatial Scale to Contextualize Species Richness of Non-Native Stream Fish Thompson, Lily	A Comparison of Methods for Estimating Fish Use on Georgia Cube Structures Dietrich, Logan	Sebastes Rockfish: Using an Assemblage of Congeners to Understand Community Composition Suchomel, Andrew	Hydroacoustics: A Needed Addition to AFS Warmwater Standard Sampling in Southwestern Reservoirs? Ingram, Steven
4:40 PM					The German Common Name Sander Is Not a Valid Scientific Name Bruner, John

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Thursday, August 25, 2022

	401A	401B	401C	402A	402B	402C
	Contributed Topic: Fish Conservation-1	Enhancing Salmonid Disease Management by Understanding Pathogen Transmission and Epidemiology	Detection, Control, and Eradication of Invasive Crayfishes	Management and Ecology of Non-native Lake Trout	The Collaborative Efforts of the Office of Law Enforcement to Manage and Protect the Nation's Marine Resources	Integration of Advancement in Long-term Monitoring Datasets
8:00 AM	In-Hatchery Production Methods for the Endangered Kootenai River White Sturgeon Conservation Program Jensen, Nathan	Introduction to Enhancing Salmonid Disease Management by Understanding Pathogen Transmission Winkelman, Dana	Clicks Not Bricks: A Global Assessment of the Online Trade in Invasive Ornamental Crayfish Olden, Julian	Tribal Efforts to Recover Bull Trout in Flathead Lake Hansen, Barry	How Industry Self-Reporting Assists in the Collaborative Efforts of NOAA Office of Law Enforcement Jaszka, Dennis	Assemblage and Landscape-Scale Lake Classification System from Long-Term Survey Data Kenneth, Behen
8:20 AM	Investigating Kootenai River White Sturgeon Egg Incubation Michaels, Brian	Isolation of Yersinia Ruckeri from Vulture Feces: Implications for Successive Hatchery Outbreaks Durham, Lawrence	Recent Efforts Related to Invasive Crayfish in Trade in Minnesota Fitzgerald, Tina	Mitigating Lake Trout Impacts in Glacier National Park Using Multiple Approaches Downs, Chris	Overcoming Challenges When Responding to Observer Reported Violations Jordan, Sonya	Splitting a Long-Term Survey Time Series to Account for Technological Advancements Carrano, Cole
8:40 AM	Spontaneous Autopolyploidy Testing Protocol for Three-Month-Old Kootenai River White Sturgeon Elliston, Mark	Horizontal and Vertical Transmission of Renibacterium salmoninarum in Cutthroat Trout Riepe, Tawni	Spread and Control of Invasive Crayfishes in the Chicago Region Keller, Reuben	Lakes Trout Suppression in Lake Pend Oreille, Idaho: Outcomes from Implementation Dux, Andy	Crimes Against Observers and the Collaborative Pursuit of Justice Smith, Jaclyn	Creating a Sustainable Long-Term Water Temperature Monitoring Strategy: Tools and Lessons Learned Feden, Melody
9:00 AM	Genomic Evaluation of Lake Sturgeon Stocking in Lake Superior Welsh, Amy	The Effects of Renibacterium salmoninarum Infection on Brook Trout Population Characteristics McDevitt, Rebecca	Exploring Environmental Drivers and Model Transferability for Invasive Crayfish in the Southwest Javiya, Anthony	Suppressing Lake Trout in Lake Pend Oreille, Idaho with Reduced Fishing Effort? Hardy, Ryan	The Impact of Change Agents on the Reporting of Potential Violations. Fauce, Craig	Changing with the Times: Past, Present, and Future of Reef Fish Video Surveys in the Gulf of Mexico Switzer, Theodore
9:20 AM	Habitat Suitability of Gulf Sturgeon in the Lake Pontchartrain Estuary Brogdon, Jenna	Whirling Disease-Resistant Rainbow Trout Development and Post-Stocking Survival Evaluations Avila, Brian	Morphological Traits Related to Potential Invasiveness of Crayfish Subspecies of Faxionius neglectus Magoulick, Daniel	Evaluating Native Fish Conservation Benchmarks: Accounting for Lake Trout Predation, Climate, & Disease Glassic, Hayley	Panel Discussion	Sensitivity of Smsy to Temporally Changing Demographics in Kuskokwim River Chinook Salmon Staton, Ben
9:40 AM	Morning Break					
10:00 AM	Plenary Session					
12:00 PM	Lunch					
	Contributed Topic: Fish Conservation-2	Enhancing Salmonid Disease Management by Understanding Pathogen Transmission and Epidemiology	Detection, Control, and Eradication of Invasive Crayfishes	Management and Ecology of Non-native Lake Trout	Contributed Topic: Genetics-3	Integration of Advancement in Long-term Monitoring Datasets
1:20 PM	2021 High Stream Temperatures and Effects on Omak Creek Juvenile Salmonid Abundance Davisson, Mary	Assessing Resistance to Flavobacterium psychrophilum and Myxobolus cerebralis in Rainbow Trout Avila, Brian	Linking Laboratory and Pond Studies to Evaluate Control Techniques for Invasive Crayfish Abdelrahman, Hisham	The Challenges of Lake Trout Suppression in Swan Lake, Montana Rosenthal, Leo	Whole-Genome Resequencing to Evaluate Life History Variation in Anadromous Migration of O. Mykiss Collins, Erin	Utilizing Bayesian Stochastic Stock Reduction Analysis to Evaluate Historic Population Baselines Ervin, Allegra
1:40 PM	Causes and Consequences of Vateritic Otoliths in Hatchery-Reared Coho Salmon Gaffney, Leigh	Impacts of Managed Gene Flow on Disease Resistance in Hatchery Chinook Salmon Setzke, Christopher	Can Intensive Trapping to Remove a Nonnative Crayfish Benefit an Imperiled Congener? Reisinger, Lindsey	Lake Trout Management in the Priest Lake Basin, Idaho Ryan, Robert	Genetic Diversity Among Onchorhynchus Mykiss Migratory Groups in the Rogue River, Oregon OMalley, Kathleen	Fish Community Response to Colonization and Suppression of Northern Pike: 15-Year Study Mayer, Kent

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Thursday, August 25, 2022

	401A	401B	401C	402A	402B	402C
		Enhancing Salmonid Disease Management by Understanding Pathogen Transmission and Epidemiology	Detection, Control, and Eradication of Invasive Crayfishes	Management and Ecology of Non-native Lake Trout	Contributed Topic: Genetics-3	Integration of Advancement in Long-term Monitoring Datasets
	Contributed Topic: Fish Conservation-2					
2:00 PM	Monitoring VSP Metrics in An Interbreeding Anadromous/Resident O. Mykiss Population Temple, Gabriel	The Use of qPCR to Determine Epizootic Potential of Myxobolus cerebralis James, Clayton	Evaluation of Pyrethrin-Based Control of Invasive Red Swamp Crayfish Allert, Ann	Achieving Coexistence: A Case History of Colorado's Premier Kokanee-Lake Trout Fishery Hansen, Adam	The Re-Emergence of Summer Steelhead in the Elwha River Following Dam Removal Fraik, Alexandra	Design and Model-Based Approaches in Estimating Abundance of American Horseshoe Crabs Wong, Chad
2:20 PM	Compliance with Rockfish Conservation Areas in Response to Awareness Efforts and COVID-19 Venturelli, Paul	Eradication of Whirling Disease in a Cutthroat Trout Stream Through Management Interventions Nehring, Josh	Ammonia as a Tool for Removal of Invasive Crayfish Wood, Susan	Balancing Angler Opportunity for Non-Native Lake Trout with Native Species Recovery Schoby, Greg	Genomic Investigation of Local Adaptation and Re-Evaluating Conservation Units for Coho Salmon Xuereb, Amanda	Monitoring Trends of Juvenile Steelhead Through Electrofishing and Remote PIT Tagging Miller, Brian
2:40 PM	More Than Just Food: Exploring the Diverse Ways That Fish Contribute to Human Society Olden, Julian	Challenges of Eradicating Whirling Disease from High Elevation Lakes Nehring, Josh	Effects of Electric, Carbon Dioxide, and Water Quality Barriers on Invasive Invertebrates Szklaruk, Natalia	Lake Trout Management in Bear Lake: A Case Study Watkins, Carson		Long-Term Evaluation of Black Crappie Growth in a Changing Climate Coleman, Tyler Steven
3:00 PM	Afternoon Break					
3:20 PM	Age Estimation of Antarctic Icefish from Otolith Microstructure Traczyk, Ryszard	Where in the Whirl-D? a Rapid Detection Method for Whirling Disease Outbreak. Christenson, Chloe	Multi-Agency Efforts to Manage Invasive Crayfish Removal in Southern California Streams Curti, Joseph	Evaluating Effects of Lake Trout on Kokanee in New Fork Lakes, WY Rosinski, Caroline	Whole Genome Resequencing of Chinook Salmon to Estimate Standing Variation Across Populations Horn, Rebekah	Snake River Basin Salmon Management Goals: Can We Get There from Here? Copeland, Tim
3:40 PM	Status and Conservation of the Endemic Savannah River Black Bass Species Scott, Mark	Susceptibility of Gill Lice Infection between Two Salmonid Species Across Different Habitats. Vigil, Estevan	Removal of Invasive Crayfish Procambarus clarkii in An Open, Flowing, Urban System Egly, Rachel		Genomic Consequences of Novel Age-At-Maturity Phenotypes in Introduced Great Lakes Pink Salmon Sparks, Morgan	Spatiotemporal Trends in Habitat Use of Red Drum (Sciaenops Ocellatus) in Texas Beeken, Nicolette
4:00 PM	A Survey Approach for Assessing Mussel Distribution and Abundance in Clear, Wadeable Streams Erhardt, John		Restoration of a Desert Seep Invaded by Crayfish (Procambarus clarkii) Short, Ginny		Four Generations after Genetic Rescue in a Native Salmonid Population Robinson, Zachary	Maximizing Learning Opportunities: Integrating Range-Wide Data to Inform Gulf Sturgeon Management Parker, Stephen
4:20 PM	Investigating the Distribution of Bartram's Bass in the Upper Savannah River Basin Cox, Caroline		Can Native Pathogens Influence Invasion Dynamics and Mitigate Impacts of Invasive Crayfish? Stratton, Cheyenne		Effects of Hatchery Strays on Wild Population Structure: Pink Salmon PWS, Alaska Cheng, Wei	A Comparison of Survey Design Techniques for Scallop, Placopecten magellanicus, Camera Sampling Delargy, Adam
4:40 PM	Conceptualization, Design, and Implementation of Texas' Habitat and Angler Access Program Homer, Michael		The Role of Disease in the Rapid Expansion of An Invasive Crayfish Bolds, Sara		Reduced Relative Fitness in Hatchery-Origin Pink Salmon in Prince William Sound, Alaska Shedd, Kyle	

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