

	Douglass Room, Hilton	Harbor 1 Room, Marriott	Johnson A Room, Hilton	Johnson B Room, Hilton	Latrobe Room, Hilton	Peale A, Hilton	Peale B, Hilton	Peale C, Hilton	Promenade, Marriott	Ruth Room, Hilton	Stadium 4 Room, Marriott	Stadium 5 Room, Marriott	University 1, Marriott
	<b>Planning for coldwater fisheries resources: modeling and managing temperature impairments</b>	<b>Keeping cool: thermoregulating in a changing world</b>	<b>Interactions between offshore wind, fisheries, and fisheries resources</b>	<b>Using indicators of ecological resilience to inform conservation /management of freshwater ecosystems</b>	<b>Investments in fish habitat science to support resilient fish populations</b>	<b>Advances in life history and environmental reconstruction using biogenic structures from organisms</b>	<b>Atlantic Striped Bass populations: past, present and future challenges</b>	<b>Creating and implementing ecosystem wide integrated research/ conservation plan for prairie streams</b>	<b>Climate change effects on fish and fisheries: Understanding, forecasting, and communicating impacts</b>	<b>Fish passage through the ages – historical approaches, current innovations, and future opportunities</b>	<b>Tails from the Anthropocene–stories and lessons from 150 years of aquatic introductions</b>	<b>Global fish biogeography and production, now and in the future</b>	<b>Cooperative research with stakeholders: recent progress and new directions</b>
8:00 AM	Addressing Coldwater Temperature Impairments in a Changing Climate <i>Kusnierz, Paul</i>	A Decade of Thermal Hydraulic Modeling Improvements and Use in Understanding Thermal Impacts to R... <i>Li, Haifeng</i>	Responsible Offshore Science Alliance (ROSA): Advancing coordinated regional research and monitor... <i>Hice-Dunton, Lyndie</i>	Biological Indicators of Ecological Resilience for Informing Aquatic Ecosystem Conservation: Tro... <i>Hughes, Bob</i>	Patterns in Seasonal Estuarine Residency of Mid-Atlantic Fishes in Relation to Climate <i>Schonfeld, Adena</i>	The N isotopic relationship between fish tissue and otoliths: controls and variation <i>Lueders-Dumont, Jessica</i>	Recent advances in understanding Atlantic striped bass population dynamics and fishery management <i>Sharov, Alexei</i>		Quantifying the Effects of Temperature Change on Freshwater Fish Spawning Phenology <i>LaRoque, Ashley</i>				The Commercial Fisheries Research Foundation Research Fleets: Progress and New Directions <i>Bethoney, N. David</i>
8:20 AM	Thermal risk assessment for tailwaters in a changing climate <i>Jager, Yetta</i>	The salmon-peloton: hydraulic habitat shifts of adult Atlantic Salmon ( <i>Salmo salar</i> ) due to behavior... <i>O'Sullivan, Antoin</i>	Responses of demersal fish and invertebrates to America's first offshore wind farm <i>Wilber, Dara</i>	Accounting for environmental uniqueness, connectivity, and biodiversity of freshwater habitats to... <i>Üblacker, Maria Magdalena</i>	Combining historic records and habitat suitability analysis to assess the potential for Lake Stu... <i>Wirebach, Kylie</i>		Decline and Restoration of the Delaware River Spawning Stock of Striped Bass: It is all About the... <i>Kahn, Desmond</i>	Fish Community Changes Following Fall Drawdown in an Irrigation Canal and its Tributary Stream <i>Wuellner, Melissa</i>	Thermal tolerance of fish to heatwaves in agricultural streams: What does nou maket kill yos you ... <i>Dai, Qihong</i>			Estimation of size-specific catchability from survey trawl data <i>Krumsick, Kyle</i>	A Video Trawl Survey Reveals Ecological Influences on Yellowtail Flounder in Closed Area II, Geor... <i>Perez, Patricia</i>



10:00 AM	A Temperature TMDL Implementation Guidance for Coldwater Designated Uses and Fisheries Resources <i>Leiman, Jonathan</i>			(Cancelled) Quantifying Flow–Ecology Relationships across flow regime class and ecoregions in South Carolina	Seasonal & Tidal Movement Patterns of Red Drum in a Restored Seascape <i>Ramsden, Sarah</i>	Evaluation of the climate-growth relationship and natural mortality of an unfished gastropod (Buc... <i>Borsetti, Sarah</i>	Histologically Determined Atlantic Striped Bass Female Age-At-Maturity <i>Brown, Simon</i>	Characteristics of the natural flow regime paradigm explain occurrence of imperiled prairie fishes <i>Nguyen, Erin</i>	Overview of 111 World Aquatic Scientific Societies Statement on Human-Caused Climate Change <i>Bonar, Scott</i>			Chasing new frontiers with pop-up satellite tags: understanding reproductive ecology, toxicology and... <i>Schlenker, Lela</i>	Shorter seasons reduce for-hire fishing effort in a multispecies marine fishery <i>Trudeau, Ashley</i>
10:20 AM	Temperature TMDL Development for Coldwater Designated Uses in Maryland <i>Kasko, Anna</i>			Variations in field metabolic rate derived from otolith stable isotopes reveal complex interactions... <i>Jones, Joseph</i>	Growth in large river deltas by an estuarine-dependent fish: evidence from otoliths <i>Muscat, Abigail</i>	Diet isotope chronology reveals linkages between marine food webs, thiamine deficiency, and reproduction... <i>Johnson, Rachel</i>	Differential migration and mortality in Chesapeake Bay Striped Bass <i>Secor, David</i>		Washington Policy Update: US Climate Legislation <i>Winters, Drue</i>			An overview of the use of isotope-based estimates of field metabolic rate and experienced temperature... <i>Trueman, Clive</i>	Improvements in endangered species bycatch issues in fisheries associated with the marine stewardship... <i>Shiffman, David</i>
		<b>Contributed Papers: Aquatic ecology</b>								<b>Contributed Papers: Climate change and management</b>			
1:20 PM	Development of Maryland coldwater coldwater resources mapping tool <i>Kashiwagi, Michael</i>	Thermal metabolic advantage: A mechanism for understanding the effect of temperature on predator-prey interactions... <i>McInturf, Alexandra</i>	Assessing potential impacts of offshore wind development on the Southern New England cod fishery <i>Frey, Alison</i>	Confluences and Land Cover as Agents of Change: Temporal Habitat Variability Modifies the Movement of Fish... <i>Hubbell, Joshua</i>	Understanding the effects of environmental variability on recruitment and abundance of penaeid shrimp... <i>Schlenker, Lela</i>		Mycobacterial Prevalence in Hudson River Striped Bass <i>Morone saxatilis</i> <i>Getchell, Rod</i>		Climate-induced changes in the relative abundance of freshwater game fish inferred from angler effort... <i>McDonald, Zachary</i>	Characterizing effects of stream fragmentation on migratory fishes across the conterminous United States... <i>Dean, Emily</i>	Leveraging big data to screen for lake invasions in the Upper Mississippi River Basin <i>Weir, Jessica</i>	Improving estimates of environmental limits to performance, metabolic scope, and viable habitat: ... <i>Andres, Alyssa</i>	Panel Discussion

												<b>Jawless wonders: science to better understand and manage lampreys</b>	
1:40 PM	Evaluation of landuse, habitat and water quality for modeling the distribution of Brook Trout in ... <i>Goetz, Daniel</i>	Phenotypic Level Changes Caused by Thermal Stress During Early Development in Zebrafish ( <i>Danio re...</i> ) <i>Sloane, Kathryn</i>	Gone with the Wind?: Assessing the Spatio-Temporal Dynamics of Longfin Squid Suitable Habitat and... <i>Ober, Claire</i>	Going the distance: Multiscale assessment of Conchos Pupfish ( <i>Cyprinodon eximius</i> ) abundance and d... <i>Elkins, Lindsey</i>	Oyster Aquaculture Installations as Habitat: An Acoustic Telemetry Study of Juvenile Sheepshead <i>McMains, Andrew</i>		Mycobacteriosis of Striped Bass ( <i>Morone saxatilis</i> ) in Virginia tributaries of the Chesapeake Bay <i>McGilly, Joshua</i>	Enhancing conservation efforts of prairie stream ecosystems by developing integrated databases <i>Gaughan, Sarah</i>	Corps' Fish habitat restoration: examples from around the US <i>Trulick, Jeffrey</i>	Dam Removal in History, Current State of Removal, and Future Needs <i>Goll, Geoffrey</i>	Protecting our waters: Oh what 100 years does to provide perspective. Multi-jurisdictional Appro... <i>Irons, Kevin</i>	Let the right one in: exploiting behavioral traits of invasive sea lamprey to achieve selective f... <i>Hume, John</i>	Panel Discussion
2:00 PM	Evaluating the Thermal Impact of Small Ponds in Maryland Trout Watersheds <i>Eshleman, Adam</i>	Assessment of Benthic Macroinvertebrate and Fish Communities within a Future Stream Mitigation Ar... <i>McCauley, Martha</i>	The Potential to Model Future Range Shifts of Commercial Species and Their Fisheries: A Possible... <i>Powell, Eric</i>	Patterns and predictors of Alligator Gar movement across mainstem-tributary ecotones <i>Roberts, Hayden</i>	Identification of southern flounder migration corridors and spawning grounds in North Carolina <i>McGarigal, Caitlin</i>			Phenology and Habitat Utilization of Spawning Brook Trout in the Little Plover River, WI <i>Coash, Natalie</i>	Quantifying Spatio-Temporal Responses of Marine Ecosystems to Climate Change and Other Anthropoge... <i>Morano, Janelle</i>	FishPass – confronting the connectivity conundrum <i>Muir, Andrew</i>	Hatchery Salmon and Ecological Overshoot <i>Van Alen, Benjamin</i>	Bottling Fear: Methods for Invasive Species Management and Conservation of Fishes <i>Mensch, Emily</i>	
2:20 PM	100 years of the North Branch Potomac River: An industrial watershed turned to cold-water success... <i>Selckmann, Gordon</i>	How has extreme geomorphic change in a historically degraded desert river influenced both fish ha... <i>Remiszewski, Tansy</i>	The Flyway Concept and Assessment of OWF Impacts on Migratory Marine Fauna <i>Secor, David</i>	Intraspecific variation in native Rainbow Trout: a comparison of morphological and genetic divers... <i>Breech, Tyler</i>	Comparing limits with reality: how thermal sensitivity of anadromous juvenile alewife and bluebac... <i>Guo, Lian</i>		Integrative Assessment of the Quality of Shallow Tributary Forage Habitats for Striped Bass in Ch... <i>Ogburn, Matthew</i>		A flooded future for river chub? Predicted effects of climate change and urbanization on nesting ... <i>Kemp, Stanley J.</i>	Southeast Aquatic Barrier Inventory and Prioritization Tool: Assessing Aquatic Habitat Fragmenta... <i>Hoenke, Kathleen</i>	Thirty five years later: new research, management and policy as a result of the dreissenid mussel... <i>Bossenbroek, Jonathan</i>	The curious case of stable isotopes in larval lampreys: Larval lamprey lipids are enriched in 13C... <i>Evans, Thomas</i>	

											<b>Chesapeake Bay introduced species control and management</b>		
2:40 PM	Review of habitat requirements, distributions, and protections of cold water fish species in Minn... <i>Bahr, Derek</i>		Panel Discussion		Modeling fish distributions in an extreme tidal environment using data from acoustic telemetry <i>Bangley, Charles</i>		Striped Bass Predation has Driven the Population Dynamics of Blueback Herring and American Shad <i>Kahn, Desmond</i>	Panel Discussion		2020 Fish Passage at the Big Bar Landslide, Fraser River, British Columbia <i>Bryan, Vince</i>	Overwintering and spawning habitat use by invasive Blue Catfish in a tributary of Chesapeake Bay <i>Williams, Branson</i>	Modeling Juvenile Sea Lamprey Survival and Migratory Behavior with New JSATS Technology <i>Haas, Taylor</i>	
3:20 PM	Development of dissolved oxygen, temperature, and nutrient thresholds to protect cold water fish ... <i>Bouchard, Will</i>		Panel Discussion	Comparing biodiversity indicators derived from genetic and non-genetic information to support pop... <i>Mamoozadeh, Nadya</i>	When habitat begets habitat <i>Jordaan, Adrian</i>					Design and Construction of a Nature-Like Fishway for the Saco River, Maine <i>Nelson, Ralph</i>	Preliminary Diet Analysis of the invasive Flathead Catfish ( <i>Pylodictis olivaris</i> ) in a Pennsylvani... <i>Stark, Sydney</i>		
3:40 PM	Merging Ecology, History, and Law to Conserve Brook Trout in the Wild and Scenic Namekagon River, ... <i>Shirey, Patrick</i>		Panel Discussion	Countering the Legacy of Erosion in North Mississippi Streams <i>Faucheux, Nicky</i>	Spatial habitat constraints of U.S. Northeast fishes vary across life history stages <i>Wang, Verena</i>					Effectiveness of a nature-like fishway on a large, free-flowing river in Montana, USA <i>Anderson, Ian</i>			

MONDAY, NOVEMBER 8

4:00 PM	The Impact of Data Granularity on Temperature Gradient Modeling in Michigan's Streams <i>Hayes, Daniel</i>				Underwater video as a tool to quantify fish in complex coastal habitats <i>Baker, Ronald</i>					Evaluating fish passage and tailrace space use at a low-use low-head lock-and-dam <i>Hershey, Henry</i>	(Cancelled) Attempting to Balance Migratory Fish Passage & Invasive Species Management : The Susquehanna River...		
4:20 PM	Unique Challenges and Approaches to Conserving Temperature in Montana's Coldwater Streams <i>Fortman, Kristy</i>				Spatiotemporal Coherence of Aggregate Biomass Ecosystem Indicators in the Mid-Atlantic Bight, USA <i>Gartland, James</i>								
4:40 PM	Water Temperature Investigations and Collaborations of Penobscot Indian Nation –Protecting Water... <i>Kusnierz, Daniel</i>				Association of fishes and macro invertebrates to sand features in the New York Bight <i>Grothues, Thomas</i>								
5:00 PM					Implications of the Misalignment of Management and Biological Units in Understanding Atlantic cod... <i>Linner, Robyn</i>								

MONDAY, NOVEMBER 8

5:20  
PM

The  
Importance  
of Fine-Scale  
Data in  
Identifying  
Suitable  
Habitat for  
Atlantic cod  
*Linner, Robyn*