

CERF 2025 Program Schedule

This is a printable schedule as of 11/07/2025. Most up-to-date schedule can be found on the app.

Saturday, 8 November 2025

Start Time	End Time	Event	Room	Type
4:00 PM	7:00 PM	Registration Open	Registration Lobby	General

Sunday, 9 November 2025

Start Time	End Time	Event	Room	Type
7:00 AM	5:00 PM	Registration Open	Registration Lobby	General
8:00 AM	11:00 AM	Application tips and tricks for early career professionals	E11-B	Workshop
9:00 AM	11:00 AM	Responding to Mangrove migration: prioritizing science for research and management	E10-D	Workshop
9:00 AM	12:00 PM	Tools to support SAV monitoring and restoration planning	E10-C	Workshop
9:00 AM	12:00 PM	The Japanese art of gyotaku (fish printing) - Morning Session	E21-A	Workshop
9:00 AM	5:00 PM	Introduction to R workshop	E10-B	Workshop
11:00 AM	12:00 PM	Student Worker Orientation and Training	E10-A	General
11:30 AM	4:30 PM	Unlock the secrets to scientific writing excellence	E11-B	Workshop
1:00 PM	4:00 PM	Making research matter: engaging the public with your science	E10-D	Workshop
1:00 PM	4:00 PM	The Japanese art of gyotaku (fish printing) - Afternoon Session	E21-A	Workshop
1:00 PM	5:00 PM	Communicating science effectively	E10-C	Workshop
5:00 PM	5:45 PM	First-Time Attendee Orientation	E10-A	General
6:00 PM	8:00 PM	Keynote Address & Awards Ceremony	Grand Ballroom B21-AB	Keynote
8:00 PM	10:00 PM	President's Welcome Reception with Exhibitors	Exhibit Hall A	General

Monday, 10 November 2025

Start Time	End Time	Event	Room	Type
6:00 AM	7:15 AM	CERFers on the Run - 3 mile run	Registration Lobby	General
6:50 AM	8:00 AM	CERFers on the Run - 1 mile run	Registration Lobby	General
7:00 AM	5:00 PM	Registration Open	Registration Lobby	General
7:00 AM	6:00 PM	Family Room	E25-B	Family Friendliness
8:00 AM	7:00 PM	ICC Low Sensory Room	E24-AB	Inclusive Culture
8:00 AM	9:30 AM	Advances in inundation monitoring and modeling using machine learning	E21-B	Oral
		8:00 - 8:15 High-fidelity prediction of compound urban flooding using deep learning		
		8:15 - 8:30 Towards a global transferability of models for cyclone-induced compound flooding		
		8:30 - 8:45 Forecasting saltwater intrusion in Chesapeake Bay and its major tributaries: a machine learning approach		
		8:45 - 9:00 Resolving the spatiotemporal distribution of substances in fluids using a deep learning method		
		9:00 - 9:15 River stage monitoring using a machine learning model informed by image segmentation		
		9:15 - 9:30 Modeling the counts of global thunderstorms using zero-inflated Deep Neural Network		
8:00 AM	9:30 AM	Are we there yet? Timelines for coastal ecosystem restoration	E11-B	Oral
		8:00 - 8:15 Artificial reef rapidly approximates multiple community attributes of natural kelp forests		
		8:15 - 8:30 Beyond the metrics: Exploring a decade of monitoring data from Maryland's large-scale oyster restoration effort		
		8:30 - 8:45 Long-term studies of seagrass restoration success in the Virginia coast reserve		
		8:45 - 9:00 Accelerate recovery! Informing management targeting and tracking change in Chesapeake Bay and its watershed		
		9:00 - 9:15 Shifting benchmarks: Tracking incremental restoration benefits in comprehensive Everglades restoration plan projects		
		9:15 - 9:30 Long-term carbon sequestration trajectories for tidal wetland restoration projects along the West Coast, USA.		
8:00 AM	9:30 AM	Managing coastal wetlands as natural climate solutions	E23-AB	Oral
		8:00 - 8:15 Landscape-scale biophysical controls on salt marsh blue carbon variability and fate under future climate change		
		8:15 - 8:30 Quantifying the response of salt marsh methane emissions to sea-level rise through a field-based experiment		
		8:30 - 8:45 Blue carbon sequestration in marshes created by dredged material placement in Chesapeake Bay		
		8:45 - 9:00 Carbon fluxes from a coastal freshwater wetland with nutria and water hyacinth		
		9:00 - 9:15 Assessment of soil greenhouse gas fluxes along a salinity gradient in coastal deltaic of Louisiana		
		9:15 - 9:30 Monitoring ghost forest formation in the maritime forest of Bald Head Island, North Carolina.		
8:00 AM	9:30 AM	Estuaries and coasts in transition with declining nutrient loads	E21-C	Oral
		8:00 - 8:15 Drivers and responses to declining nutrient loading in New England coastal waters		
		8:15 - 8:30 Water clarity in the Chesapeake Bay: a synthesis study		
		8:30 - 8:45 Spectral analysis of dissolved oxygen data shows the response of metabolism to managed nutrient reductions.		
		8:45 - 8:53 Reductions in N loading lead to declines in GPP in a eutrophic estuary		
		8:53 - 9:00 Assessment of soil greenhouse gas fluxes along a salinity gradient in coastal deltaic of Louisiana		
		9:00 - 9:15 Monitoring ghost forest formation in the maritime forest of Bald Head Island, North Carolina.		

		9:15 - 9:30 Tiered implementation of Chesapeake nutrient load reductions, a premature and counterproductive capitulation			
8:00 AM	2:30 PM	Eco-evolutionary dynamics in coastal ecosystems under global change	E11-A	Oral	
		8:00 - 8:07 Integrating trait evolution and plasticity into marsh accretion models: Implications for wetland resilience			
		8:07 - 8:15 Evaluating evolutionary processes in studies of ecosystem carbon cycling in salt marsh ecosystems			
		8:15 - 8:30 C-EVO: Understanding evo-ecological/eco-evolutionary impacts on carbon cycling services in phragmites australis			
		8:30 - 8:45 Providing plants that best stabilize coastlines: Seeking smooth cordgrass (Spartina alterniflora) traits for living shorelines			
		8:45 - 9:00 Evolutionary ecology of the non-native red macroalga, Gracilaria vermiculophylla, across a coastal seascape			
		9:00 - 9:15 Spatiotemporal patterns of adaptive genomic variation and thermal resilience in edge-of-range populations of Zostera marina			
		9:15 - 9:30 Do host and pathogen adaptations drive inter and intra-annual patterns of seagrass wasting disease?			
		9:30 - 1:00 Break/Collab Sessions/Lunch			
		1:00 - 1:15 Transgenerational effects on plant traits, not microbiomes, differentiate eelgrass populations in response to thermal stress			
		1:15 - 1:30 Understanding stress responses in cultivated Pacific oysters (Crassostrea [magallana] gigas) in Alaska			
		1:30 - 1:45 Development under stress: Carryover effects of predation risk and warming in nucella lapillus			
		1:45 - 2:00 Competition modifies the strength of nonconsumptive predator effects in a rocky intertidal food web			
		2:00 - 2:15 Carryover effects on the growth and nutrient storage of the eastern oyster (Crassostrea virginica)			
		2:15 - 2:30 Causes and consequences of geographic variation in species interactions on rocky shore			
8:00 AM	2:30 PM	Advancing coastal carbon science: tools, innovations, and collaborative approaches	E21-A	Oral	
		8:00 - 8:15 Plant-mediated carbon cycling in coastal wetlands experiencing state change			
		8:15 - 8:30 Context-driven carbon storage potential in oyster reefs: Tools and insights for conservation and restoration			
		8:30 - 8:45 Advancing Coastal Wetland Carbon Monitoring Through a Low-Cost Soil Sensor Network			
		8:45 - 9:00 A comparative analysis of carbon sequestration potential in Delaware tidal marshes			
		9:00 - 9:15 Using Isotopes to Determine Ecological Niche Positions and Carbon Sources in the St. Johns River			
		9:15 - 9:30 Reconstructing historical ecosystem change in Pacific northwest estuaries through biogeochemistry and eDNA analyses			
		9:30 - 1:00 Plenary/Lunch			
		1:00 - 1:15 Using eDNA and stable isotopes to provide insights from san diego bay's eelgrass beds			
		1:15 - 1:30 CANCELLED - Carbon emissions following seawater re-introduction and peat rewetting of a relict salt marsh			
		1:30 - 1:45 Carbon sources determined from eDNA and stable isotopes across reference, restored, and disturbed tidal wetlands			
		1:45 - 2:00 Sediment communities are major contributors to metabolism in a temperate eelgrass (Zostera marina) meadow			
		2:00 - 2:15 Blue carbon and sav in the Chesapeake Bay: Where's the peat?			
		2:15 - 2:23 Synthesizing tidal marsh carbon sources			
		2:23 - 2:30 Linking absorbance, fluorescence, and satellite measurements to identify CDOM spatiotemporal patterns in a deltaic region			
1:00 PM	2:30 PM	Natural infrastructure: supporting natural and cultural resilience in estuarine environments	E11-B	Oral	
		1:00 - 1:15 Coastal salt marsh restoration on a culturally significant landscape.			
		1:15 - 1:30 Tidelands: a landscape approach to natural infrastructure innovation			
		1:30 - 1:45 Building in a tidal river: natural infrastructure from Lowcountry landforms			
		1:45 - 2:00 Depicting dynamic coastal systems in animated realistic 3D visualizations to support management decision making			
		2:00 - 2:15 Integrated field surveys and modeling to support nature-based shoreline stabilization at MCRD-Parris Island			
		2:15 - 2:30 Informing planning and decision-making for coastal marsh resilience in national parks of the northeast US			
1:00 PM	2:30 PM	Estuarine nutrient reduction strategies: impacts and insights	E21-C	Oral	
		1:00 - 1:15 Dual nitrogen and phosphorus reductions most effectively mitigate eutrophication and HABs along the freshwater-to-marine continuum			
		1:15 - 1:30 A native mussel with potential to remove phytoplankton and sequester nutrients in Baltimore Harbor			
		1:30 - 1:45 Exploring spatio-temporal impacts of a wastewater treatment plant upgrade on the food web			
		1:45 - 2:00 CANCELLED - Spatial and ecological responses to a wastewater treatment plant upgrade in the San Francisco estuary			
		2:00 - 2:08 Nutrient reduction in the Mississippi River basin and coastal Louisiana restoration			
		2:08 - 2:15 Monitoring nutrient load reductions: Integrating science and management in San Francisco Bay			
		2:15 - 2:23 Stressful clam: a phytoplankton bioassay investigating sewage effluent amendments and corbicula fluminea grazing			
		2:23 - 2:30 Impact of nutrient load reductions on sediment-water fluxes in the Patapsco River estuary			
3:00 PM	4:30 PM	Plenary Session 1 - Science for Solutions: By Whom and For Whom?	Grand Ballroom B21-AB	Plenary	
4:30 AM	7:00 PM	Posters - Monday	Exhibit Hall A	Poster	
7:30 PM	9:00 PM	Affinity Group Night Out	Siné Irish Pub	Social Event	
9:00 PM	12:00 AM	Student & Early Career Night Out on the Town	Siné Irish Pub	General	
Tuesday, 11 November 2025					
Start Time	End Time	Event	Room	Type	
6:00 AM	7:15 AM	CERFers on the Run - 3 mile run	Registration Lobby	General	
6:50 AM	8:00 AM	CERFers on the Run - 1 mile run	Registration Lobby	General	
7:00 AM	5:00 PM	Registration Open	Registration Lobby	General	
8:00 AM	9:30 AM	Demystifying the nitrogen cycle: advances in quantifying nitrogen cycling processes	E21-C	Oral	

		8:00 - 9:30. A nitrogen budget of the estuarine complex surrounding Plum Island, MA: does it balance?			
		8:15 - 8:30 The response of nitrogen cycling processes to deoxygenation in estuaries			
		8:30 - 8:45 Improving denitrification and nitrogen fixation measurements in Zostera marina beds using noble gas tracers			
		8:45 - 9:00 High denitrification rates across declining seagrass meadows: Application of the push-pull isotope pairing method			
		9:00 - 9:15 Location overrides within-stand variability in controlling the fate of nitrate in mangrove ecosystems			
		9:15 - 9:30 CANCELLED - Quantifying oyster-associated nitrogen fluxes in changing coastal environment			
8:00 AM	11:30 AM	Co-production of knowledge and recommendations for coastal restoration and management	E23-AB	Oral	
		8:00 - 8:15 Stakeholder engagement across scales: Lessons from national and regional climate modeling efforts			
		8:15 - 8:30 Stakeholder-driven modeling for sea level rise planning in the Texas coastal bend			
		8:30 - 8:45 Navigating together: Co-producing knowledge for coastal resilience across the Pacific			
		8:45 - 9:00 Small stream estuary restoration along the Burlington Northern Santa Fe waterfront railway in Puget Sound			
		9:00 - 9:15 Co-production of large-scale oyster restoration in Pensacola Bay, Florida			
		9:15 - 9:30 Building capacity for climate adaptation in rural coastal communities on Virginia's eastern shore			
		9:30 - 9:45 Engaged science for increased community relevance and impact			
		9:45 - 10:00 Break			
		10:00 - 10:15 Recommendations from NOAA's marine and coastal management federal advisory committee: Supporting Indigenous-led conservation & co-stewardship			
		10:15 - 10:23 CANCELLED - Mutual aid & coproduction in U.S. Northeast: a Philadelphia case study on community-engaged climate adaptation			
		10:23 - 10:30 Developing interdisciplinary collaboration in coastal nature-based infrastructure			
		10:30 - 10:45 Co-production of a living shoreline suitability model with an indigenous community			
		10:45 - 11:00 Improving oyster management in eastern bay, Maryland by leveraging local ecological knowledge through co-production			
		11:00 - 11:15 Co-production of coastal resilience assessments at three scales: State, county, and community			
		11:15 - 11:30 Seagrass storymap: Knowledge transfer of seed-based restoration methods across geographic regions			
8:00 AM	11:30 AM	Environmental stressors impeding restoration in estuaries: HABs and more	E11-B	Oral	
		8:00 - 8:15 Variable salinities and dark waters: Benthic habitat changes in southwest Florida's disturbed Caloosahatchee River Estuary			
		8:15 - 8:30 Variability in nutrient and enterococcus concentrations in tidal floodwater across watersheds with different land uses			
		8:30 - 8:45 Marine heatwaves in the York River Estuary and implications for submerged aquatic vegetation			
		8:45 - 9:00 Short-term sublethal heat stress impairs growth of the New Zealand cockle, Austrovenus stutchburyi			
		9:00 - 9:15 Subsurface extent and spatial distribution of marine heatwaves in Chesapeake Bay			
		9:15 - 10:00 Break			
		10:00 - 10:15 Impact of climate change and variability driving marine heatwaves across US estuaries			
		10:15 - 10:30 Effect of increasing water temperature on non-toxin producing and toxin producing mixotrophs ingestion rates			
		10:30 - 10:45 CANCELLED - Impact of raphidophytes on eastern oyster (Crassostrea virginica) recruitment in a eutrophic estuary			
		10:45 - 11:00 Margalefidinium polykrikoides blooms in the lower Chesapeake Bay: Processes and controls			
		11:00 - 11:15 From replete to potentially limiting: Landscape-scale changes in estuarine nutrients following a wastewater treatment plant			
		11:15 - 11:30 Climate change and a tale of two ventilations in Pettaquamscutt Estuary in southern Rhode Island			
8:00 AM	11:30 AM	Monitoring and modeling estuarine lower trophic levels	E22-AB	Oral	
		8:00 - 8:15 Marsh elevation effects on benthic microalgal biomass and production in north inlet estuary, sc			
		8:15 - 8:30 CANCELLED - Seasonal biomass and composition of estuarine microphytobenthos at oyster grow-out sites			
		8:30 - 8:45 Epiphyte dynamics on spartina alterniflora: Implications for salt marsh productivity			
		8:45 - 9:00 Climate change in reverse: the effects of cooling water restriction on Mid-Atlantic estuarine infaunal communities			
		9:00 - 9:15 Louisiana deltaic estuaries MBON: Sea level rise sentinels			
		9:15 - 9:23 Measuring stable carbon isotope values of microphytobenthos in Alaskan Arctic lagoons			
		9:23 - 9:30 Modeling benthic biomass responses to climate change in the Chesapeake Bay			
		9:30 - 10:00 Break			
		10:00 - 10:15 Studying seasonal and episodic variability in phytoplankton ecology using ocean color remote sensing and AI			
		10:15 - 10:30 Determining seasonal shifts in coastal phytoplankton dynamics in connection to a warming Gulf of Maine			
		10:30 - 10:45 Feeding pathways of estuarine lower trophic level consumers may determine risk to harmful algal blooms			
		10:45 - 11:00 Impact of zooplankton's diel vertical migration on the biogeochemical cycle of a deep urban estuary			
		11:00 - 11:15 Data gap analysis of lower trophic level isotope data supporting new data collection in Louisiana			
		11:15 - 11:30 Quantifying fisheries habitat enhancement of living shorelines			
8:00 AM	11:30 AM	Awash in information: leveraging big data to answer big questions	E21-B	Oral	
		8:00 - 8:15 The delta laboratory: leveraging big data in a collaborative synthesis science venue to address climate			
		8:15 - 8:30 From query to insight: An AI agent for Chesapeake Bay environmental data			
		8:30 - 8:45 Using big data to explore metaboscapes: metabolic models for aquatic species at landscape-scales			
		8:45 - 9:00 Leveraging big data and machine learning to uncover linked rare ecological events in Chesapeake Bay			
		9:00 - 9:15 Cultivating student research skills with big data: Exploring South Atlantic Bight stratification using open-access datasets			
		9:15 - 9:30 Spatial synchrony of kelp forests: causes and consequences from populations to ecosystems			

		9:30 -10:00 Break			
		10:00 - 10:15 Long-term monitoring data reveals mixed signals of resilience in the North Carolina seagrass ecosystem			
		10:15 - 10:30 Drivers of water level variability and flooding in back-barrier estuaries			
		10:30 - 10:45 Multi-decadal tidal range trends near coastal marshes across U.S. Estuarine systems			
		10:45 - 11:00 The first 90 weeks from PhytoChop, a new microbial observatory on the Choptank River (Chesapeake)			
		11:00 - 11:15 Landsat imagery, vegetation mapping, and Georgia estuary delineations to assess dominant vegetation biomass patterns			
		11:15 -11:30 Declining belowground plant biomass provides an early warning of marsh vulnerability			
8:00 AM	11:30 AM	Mud, macrofauna and microbes: an ode to Benthos VI	E11-A	Oral	
		8:00 - 8:07 To Be Announced			
		8:07 - 8:15 A decade of mud, microbes and macrofauna, and transdisciplinary "odes to benthos"			
		8:15 - 8:30 From mud to metals: Biofilm assembly on metal surfaces in coastal environments			
		8:30 - 8:45 Soft bottom estuaries in the anthropocene: a time to burn you out			
		8:45 -9:00 Are the benefits of freshwater inflow confounded with harm by non-point source pollution?			
		9:00 -9:15 Biogeochemical consequences of Gracilaria vermiculophylla invasion: impacts on mercury cycling and consumer uptake			
		9:15 - 9:30 Abiotic determinants of intertidal benthic microalgal biomass in estuarine ecosystems			
		9:30 - 10:00 Break			
		10:00 -10:15 A muddy, tropical intertidal landscape: Pathways of nutrient supply to an adjacent coastal embayment			
		10:15 - 10:30 Using long-read sequencing to assess recruitment and connectivity of arctic benthic invertebrate populations			
		10:30 - 10:45 Seasonal characterization of wooden shipwreck microbial communities			
		10:45 - 11:00 Benthic community responses to shipwrecks on unstable sediments in the Mississippi River delta			
		10:00 - 11:15 Investigating benthic communities amongst the Northern Gulf of Mexico's hypoxic dead zone			
		11:15 - 11:30 Long-term responses of benthic microbial communities after the Deepwater Horizon oil spill			
8:00 AM	4:15 PM	Estuarine research in the 'omics age	E10-A	Oral	
		8:00 - 8:15 Interpreting estuarine ecology through the lens of meta-omics			
		8:15 - 8:30 Linking SAR11 to zooplankton in hood canal, wa using metagenomes and coi amplicons			
		8:30 - 8:45 Examining metagenomes across particle size and redox gradients in Chesapeake Bay			
		8:45 - 9:00 Bacterial communities linked to oyster health and environmental conditions using a survey and field experiment			
		9:00 - 9:15 Environmental distributions of microbial taxa that are linked to bivalve hatchery crashes			
		9:15 - 9:30 Microbial traits associated with carbon cycling and storage vary by elevation and nitrogen form			
		9:30 - 10:00 Break			
		10:00 - 10:15 Prescribed fire as a management tool to mitigate a putative fungal pathogen of Spartina alterniflora			
		10:15 -10:30 Do viruses dig deep? Shifts in viral community composition and function in salt marsh sediments			
		10:30 - 10:45 Metagenomic insight of sedimentary nitrogen cycling communities responding to seawater intrusion in the Nakdong River			
		10:45 - 11:00 Using environmental DNA (eDNA) to monitor invasive macroalgae Caulerpa prolifera in southern California eelgrass habitat			
		11:00 - 11:15 Understanding the microbial community response to simulated sea-level rise along a salinity gradient			
		11:15 - 11:22 Understanding the microbial community response to simulated sea-level rise along a salinity gradient			
		11:22 - 3:00 Lunch/ Collab Sessions/ Break			
		3:00 - 3:15 Shaped by stress: Phenotypic plasticity of juvenile oysters in a multi-stressor diel cycling environment			
		3:15 - 3:30 Integrated analyses of phytoplankton communities using dna metabarcoding and morphology in an estuary			
		3:30 - 3:45 Molecules to migration: eDNA-based detection of river herring in a dynamic coastal river system			
		3:45 - 4:00 Coast to coast: Charting biogeographic distribution of Florida's nearshore fish communities with environmental DNA			
		4:00 - 4:15 Metabolomic signatures reveal environmental adaptations in coastal dolphins in the Northern Gulf of Mexico			
		4:15 - 4:30 Bridging the gap between omics data and biogeochemical modeling			
8:00 AM	4:15 PM	Education; Diversity; Equity; Inclusion; Arts; and Humanities	E10-C	Oral	
		8:00 - 8:15 Building interdisciplinary relationships and broadening participation in science translation and coastal resilience			
		8:15 - 8:30 From rock and roll roadie to marine ecologist: a most unusual journey			
		8:30 - 8:45 Seven equity practices for environmental nonprofits: a journey towards meaningful environmental justice work			
		8:45 - 9:00 Community-driven conservation of horseshoe crabs along the Baleshwar Coast, Odisha			
		9:00 - 9:15 Estuarine harmful algal blooms to tropical coral reefs: Adapting in marine science			
		9:15 - 9:30 Fostering environmental literacy through mangrove education in the usvi			
		9:30 - 10:00 Break			
		10:00 - 10:15 Navigating a braided pathway to coastal and marine estuarine environmental sciences			
		10:15 - 10:30 Coordination of nonprofits to amplify volunteer work of coastal professionals			
		10:30 - 10:45 From barriers to solutions: Tribal capacity building for fish passage restoration			
		10:45 - 11:00 Co-production on Virginia's eastern shore: determining the direct and livability impacts of climate change			
		11:00 -11:15 Moving restoration science forward through interagency coordination, co-production, and cooperation			
		11:15 -11:30 Supporting adaptive capacity in coastal communities through co-produced informational graphics			
		11:30 - 3:00 Lunch/ Collab Sessions/ Break			

		3:00 - 3:15 CANCELLED - The living seashore: an interactive video guide to shallow water invertebrates of the Atlantic coast				
		3:15 - 3:30 Ivaluable benefits of community-first approach and international collaboration for understanding blue carbon systems and management				
		3:30 - 3:45 An undergraduate ocean science mentorship model - comprehensive mentoring, experiential education, and research training				
		3:45 - 4:00 Improving STEM retention with a marine-based undergraduate research experience				
		4:00 - 4:08 From art to zoology: restoring oysters along armored shorelines provides interdisciplinary service-learning experience for undergrads				
		4:08 - 4:15 Co-producing Resilience: Community Workshops for Flood Resilience in Burnt Mill Creek Watershed Wilmington, North Carolina				
8:00 AM	4:30 PM	Advances in estuarine and coastal modeling	E10-B	Oral		
		8:00 - 8:15 Modeling oyster larvae dispersion and settlement in Apalachicola Bay, FL, and impacts of seasonal climate				
		8:15 - 8:22 Modeling the influence of mussel pumping behavior on the small-scale hydrodynamics within a dense aggregation				
		8:22 - 8:30 Modeling the impact of derelict crab traps on the Chesapeake Bay food web				
		8:30 - 8:45 Optimal model resolution for accurate hydrodynamic and marsh biomass predictions under sea level rise				
		8:45 -9:00 Effect of restored reef geometry on sediment retention under different tidal and wave conditions				
		9:00 - 9:15 Coupled hydrodynamic and agent-based modeling to evaluate contaminant risks for anadromous fish in estuarine systems				
		9:15 - 9:30 Modeling ecological and economic impacts of living habitat change in the York River, Chesapeake Bay				
		9:30 -10:00 Break				
		10:00 - 10:08 Impact of climate change-induced changes in river discharge on hypoxia in osaka bay, Japan				
		10:08 -10:15 Evaluating primary production flux in the San Francisco estuary's restored tidal wetlands.				
		10:15 - 10:30 CANCELLED - Understanding fecal bacteria pollution in a complex estuarine environment using coupled modeling framework				
		10:30 - 10:45 High-resolution real-time forecasting of marine heatwaves in Chesapeake Bay				
		10:45 -10:52 Climate impact on the heatwave detection in the Great Lakes				
		10:52 -11:00 Enhancing coastal circulation modeling in GOM: Implementation of a second-order salinity transport algorithm				
		11:07 -11:15 Storm surge and coastal inundation nowcasts/forecasts during hurricanes Helene and Milton				
		11:15 -11:30 A new tool for food web model validation: a coastal Louisiana case study				
		11:30 - 3:00 Lunch/Collab Sessions/Break				
		3:00 - 3:15 Towards improved total water level predictions: a bias correction approach for continental scales simulation				
		3:15 -3:30 Extending 3D operational forecasting into the coastal transition zone: Updates from stofs-3D-Atlantic				
		3:30 - 3:45 Numerical modeling of morphodynamics at moonstone beach in Rhode Island during winter storms.				
		3:45 - 3:52 Improving cross-scale hydrodynamic simulations in the Chesapeake Bay with physically based calibration				
		3:52 - 4:00 Epidemic dynamics in the spatio-temporal predator-prey model				
		4:00 - 4:15 The response of Texas mangroves to an extreme freeze - insights from earth observations				
		4:15 -4:30 How Bathymetry Shapes Modeled Flood Impacts Across a Shallow Continental Shelf Lagoon				
8:00 AM	4:30 PM	Disturbance as a driver of ecological dynamics in seagrass habitats	E10-D	Oral		
		8:00 - 8:15 Contrasting effects of two oyster aquaculture farms on submerged aquatic vegetation				
		8:15 - 8:30 Disturbance and recovery of seagrass blue carbon: a large-scale in situ experiment				
		8:30 -8:45 From foraging to fragmentation: the role of cownose rays in seagrass meadow dynamics				
		8:45 - 9:00 Detecting critical slowing down in seagrass ecosystems through in-situ disturbance-recovery experiments				
		9:00 - 9:15 Effects of stingray bioturbation on eelgrass (Zostera marina) seed density and distribution				
		9:15 - 9:23 Evaluating and enhancing eelgrass resiliency and restoration potential in a changing climate				
		9:23 - 9:30 What seagrass reveals: Stable isotopes as indicators of nutrient sources in Baffin Bay, TX				
		9:30 -10:00 Break				
		10:00 -10:15 Interaction between epifaunal grazing and seagrass wasting disease in Zostera marina				
		10:15 -10:30 Freshwater estuarine seagrass communities: Advancing their conservation and restoration under increased climate and anthropogenic stresses				
		10:30 - 10:45 A Goldilocks energy zone describes seagrass hydrodynamic habitat preferences in estuaries of Florida's Atlantic coast				
		10:45 - 11:00 Loss and non-recovery of SAV in the St. Johns River, FL: Bottom-up, then top-down control				
		11:00 -11:15 Top-down effects of vertebrate grazers on seagrass meadows: a systematic review				
		11:15 -11:23 Sulfide intrusion of seagrass thalassia hemprichii along a eutrophication gradient with carbonate and terrigenous sediments				
		11:23 -11:30 Incorporating climate change scenarios and interactive stressors into a seagrass ecosystem model				
		11:30 -3:00 PM Lunch/ Collab Sessions/ Break				
		3:00 - 3:08 Reconstructing the reproductive history of the seagrass Thalassia testudinum across the Northern Gulf				
		3:08 -3:15 Species-specific seagrass dynamics during record marine heatwaves in the Indian River Lagoon				
		3:15 - 3:30 Carbon and nutrients in seagrass and macroalgae biomass reveal drivers and mechanisms of resilience				
		3:30 - 3:45 Drivers of sediment organic matter and the influence of unvegetated patches within thalassia testudinum meadows				
		3:45 - 4:00 Influence of disturbance-driven seagrass loss on sediment sulfur dynamics in shallow seagrass ecosystems				
		4:00 - 4:15 Multi-scale effects of boat propeller disturbance on seagrass function, structure, and species interactions				
		4:15 - 4:30 The role of diversity in seagrass recovery from disturbance				
8:00 AM	4:30 PM	Estuaries and coasts as wildlife habitat	E11-C	Oral		
		8:00 -8:15 Changes in latitude, changes in attitude: Shifts in distribution and conservation culture for manatees				

		8:15 - 8:30 Getting the shot: Effects of camera use on southern sea otter disturbance in central California				
		8:30 - 8:45 Changes in coastal mammal communities along the marsh-forest gradient				
		9:00 - 9:07 Resource partitioning between co-occurring sea turtle species using stable isotopes				
		9:07 - 9:15 Diet selection of sympatric sea turtles in Florida's Gulf Coast				
		9:15 - 9:30 American alligator population structure, movement, and habitat use on a North Carolina barrier island				
		9:30 -10:00 Break				
		10:00 -10:15 Breeding tidal marsh bird abundance estimates: Implications for monitoring and conservation.				
		10:15 -10:30 Waterbird communities and behavioral ecology in managed wetlands and tidal restorations in Suisun Marsh, CA				
		10:30 -10:45 Decadal shorebird population trends and climate drivers along the South Carolina coast				
		10:45 - 10:52 CANCELLED-Opportunities and challenges of salt marsh migration for wetland birds and upland landowners				
		10:52 -11:00 Waterscapes and wading birds: Exploring the hydrology behind nesting shifts in Everglades National Park				
		11:00- 11:07 Assessing habitat suitability for Atlantic coast piping plovers (Charadrius melodus)				
		11:07 -11:15 Winter population biology and impacts of sea level rise on three syntopic coastal marsh sparrows				
		11:15 - 11:30 Home ranges of sportfish in the Florida coastal Everglades with implications for habitat suitability modelling				
		11:30 - 3:00 Lunch/ Collab Sessions/ Break				
		3:00 - 3:15 Habitat use of young-of-the-year scalloped hammerhead sharks (Sphyrna lewini) in a Florida estuarine nursery.				
		3:15 -3:30 Investigating relationships between intertidal infauna communities and physicochemical characteristics				
		3:30 -3:45 Oyster health and reef biodiversity at critical annual timepoints on aquaculture and restored sanctuary reefs				
		3:45 - 4:00 Macroinvertebrate communities and decomposition rates of leaf and stem litter in a Texas saltmarsh-mangrove ecotone				
		4:00 - 4:15 Evidence of host ecology within the population genetic structure of a unique parasitic trematode				
		4:15 -4:23 Exploring the impacts of fragmentation of intertidal oyster reefs on coastal birds				
8:00 AM	4:30 PM	Carbon cycling in estuaries	E21-A	Oral		
		8:00 - 4:30 Carbon dynamics at the river-estuarine transition				
		8:15 - 8:30 A global perspective on river alkalinity: Drivers and implications for coastal ocean carbonate chemistry				
		8:30 - 8:45 Subterranean transport as a conduit for carbon and contaminants: the case from Peconic Bay Estuary				
		8A:45 - 8:52 Comparative analysis of CO2 system dynamics of the York River and Potomac River estuaries				
		8:52 - 9:00 Dissolved organic matter and dissolved inorganic carbon affect organic alkalinity in a coastal lagoon estuary				
		9:00 - 9:07 Carbonate and nutrient dynamics in a Mississippi River influenced eutrophic estuary				
		9:07 - 9:15 Seasonal patterns in carbon and alkalinity cycling in a temperate tidal marsh creek				
		9:15 - 9:22 Impact of sea level rise mediated vegetation shifts on salt marsh greenhouse gas fluxes				
		9:22 - 9:30 Quantifying dissolved methane concentrations in surficial sediments and water column of Chesapeake Bay from 2012-2024				
		9:30 -10:00 Break				
		10:00 -10:15 easonal variability of air-water fluxes from salt marsh tidal creeks at Eastern Shore, VA				
		10:15 -10:30 Greenhouse gas fluxes in an active delta across a sediment organic matter gradient				
		10:30 -10:37 Low marsh, high uptake: Spatial scales of CO2 exchange across New England salt marshes				
		10:37 - 10:45 Improving connections between ocean alkalinity enhancement and carbon cycling in coastal domains				
		10:45 -11:00 Optimizing ocean alkalinity enhancement in a large coastal plain estuary				
		11:07 - 11:15 Quantifying calcifying benthic species and shell-hash to inform ecosystem carbon models in the Chesapeake Bay				
		11:15 -11:22 Environmental drivers of carbon and alkalinity fluxes mediated by benthic calcifiers				
		11:22 - 11:30 Site-specific controls on salt marsh tidal carbon exports and their implications for global fluxes				
		11:30 - 3:00 PM Lunch/ Collab Sessions / Break				
		3:00 - 3:15 Carbon and nitrogen stocks of seagrass meadow sediments across the Northern Gulf of Mexico				
		3:30 - 3:45 Carbon exchange between tidal marshes and estuarine waters in Plum Island, MA				
		3:45 - 3:52 Impacts of simulated episodic events on trace gas emissions in coastal wetlands				
		4:00 - 4:07 Submersed aquatic vegetation modifies estuarine inorganic carbon and alkalinity dynamics				
		4:07 - 4:15 Carbon accumulation potential of seagrass meadows in the Northern Gulf				
		4:15 -4:30 Variation of sediment organic carbon standing stock within and between Enhalus acoroides meadows	Exhibit Hall A	General		
8:00 AM	5:00 PM	Family Room	E25-B	Family Friendliness		
8:00 AM	5:00 PM	ICC Low Sensory Room	E24-AB	Inclusive Culture		
9:30 AM	10:00 AM	Break	Exhibit Hall A	General		
9:30 AM	12:00 PM	Conference Ombuds Office Hours	Show Office A	Conference Ombuds		
10:00 AM	4:30 PM	Water-quality patterns and trends I: Innovative monitoring techniques	E21-C	Oral		
		10:00 -10:15 A power analysis web tool to enhance monitoring studies				
		10:15 -10:30 Revisiting plankton nutrient and light limitation in Chesapeake Bay in response to nutrient management strategies				
		10:30 -10:45 A remote sensing study of chlorophyll-a variability in a large lagoonal estuary				
		11:00 -11:15 Monitoring seasonal hypoxia and ecosystem health in tomares bay, a low-inflow estuary fueled by upwelling				
		11:15 - 3:00 Lunch/ Collab Sessions / Break				

		3:00 -5:15 The SeaHawk-HawkEye Ocean Color CubeSat Mission and Coastal Analysis Case Studies Using Multi-Sensor Approaches				
		3:15 - 3:22 Developing and evaluating a low-cost, open-source, handheld instrument for coastal water quality monitoring				
		3:22 - 3:30 Characterizing a novel, low-cost optical device for community-based, multi-parameter water quality monitoring.				
		3:30 -3:37 Estimating metabolism in tidal creeks using a novel low-cost lagrangian drifter				
		3:37 -3:45 Continuous oxygen monitoring in Buzzards Bay: the good, the bad, and the biofouling				
		3:45 - 4:00 The future is now: Adapting a long-term volunteer monitoring program to leverage low-cost continuous sensors.				
		4:00 -4:15 Historical and spatial lessons on dissolved oxygen in Buzzards Bay: Grab samples vs sensors				
		4:15 -4:30 Novel low-cost instrumentation for monitoring estuarine primary productivity with high spatial and temporal resolution.				
		Lunch On Your Own	Various	General		
		Persons with Disabilities Affinity Group Lunch	B15-BC	Affinity Groups		
1:00 PM	2:30 PM	Co-production of Knowledge and Recommendations for Coastal Restoration and Management	E11-B	Collab Session		
1:00 PM	2:30 PM	Microbes in Coastal Restoration: Networks Bridging Science, Policy, and Practice	E10-D	Collab Session		
1:00 PM	2:30 PM	Transitioning to High-Frequency Sensors for Monitoring Water Quality	E10-A	Collab Session		
		CERF's Inclusive Leadership Program: Cohort 1 Reflections	E10-C	Collab Session		
		Break	Exhibit Hall A	General		
3:00 PM	4:30 PM	Solving management questions with remote sensing data and tools	E22-AB	Oral		
		3:00 - 3:15 Integrating computer vision and remote sensing to track coastal inundation and beachface dynamics				
		3:15 - 3:30 Evaluation of vegetation recovery in runnelled salt marshes in New England using public aerial imagery				
		3:30 - 3:45 Remote sensing of trends in Massachusetts salt marshes and restoration efforts				
		3:45 - 4:00 Remote sensing of seagrass in shallow, turbid waters to inform barrier island restoration				
		4:00 - 4:07 Integrating high-frequency monitoring and remote sensing to estimate light conditions in the York River Estuary				
		4:07 - 4:15 Mapping seasonality in submerged aquatic vegetation growth in the Chesapeake Bay using planet satellite imagery				
		4:15 - 4:30 Waterfowl impoundments as a policy-driven response to coastal saltwater intrusion				
3:00 PM	4:30 PM	Urban restoration	E11-B	Oral		
		3:00 - 3:15 Urban oyster restoration: a case study in Soundview Park, Bronx, NY				
		3:15 - 3:30 Lessons learned while restoring oysters to New York Harbor and applied to Soundview Park				
		3:30 - 3:45 Developing a stochastic cellular automata model to estimate urban saltmarsh restoration outcomes and ecosystem services				
		3:45 - 4:00 Restoring the urban wildlands of the New Jersey Meadowlands				
		4:00 - 4:15 Advancing coastal resilience efforts along the Raritan Bayshore, NJ: Naval Weapons Station Earle case study				
		4:15 - 4:30 Top-down control of urbanized oyster reefs				
3:00 PM	4:30 PM	Sea Grant-funded innovative technologies in marine debris	E21-B	Oral		
		3:00 - 4:30 Developing sustainable and closed-loop solutions to reduce synthetic fibers, microplastics, and nanoplastics leakage from laundry				
		3:00 - 4:30 Microplastics in stormwater and their mitigation via green and gray infrastructure in urban coastal areas.				
		3:00 - 4:30 Microfiber filtration in aquatic environments				
		3:00 - 4:30 Mollusca: Bioinspired undulatory robots for microplastic collection				
		3:00 - 4:30 A sensor for high-throughput detection and identification of microplastics				
		3:00 - 4:30 Smart sonar, clean coasts: Ai-driven detection and mapping of derelict crab pots in estuarine environments				
3:00 PM	4:30 PM	Tradition with transition: Human-modified systems effects on ecosystem function	E11-A	Oral		
		3:00 - 3:15 Regionalization increases efficacy of Texas tidal stream indices of biotic integrity				
		3:15 - 3:30 Coastal stormwater pond nekton assemblages vary upon tidal connectivity and changing water quality				
		3:30 -3:45 Facing the rising tides and water quality challenges in coastal North Carolina				
		3:45 - 4:00 Spatial differences in cumulative risk and contribution of threats to Puget Sound eelgrass and kelp				
		4:00 - 4:15 Assessing the functional diversity of nearshore fishes in an urbanized estuary				
		4:15 - 4:30 Targeting nitrogen reduction: Behavioral science and spatial modeling for home lawn fertilizer reduction programs				
3:00 PM	4:30 PM	Climate-induced disruptions to coastal crustacean populations	E23-AB	Oral		
		Annual CERF Business and Membership Meeting	Grand Ballroom B21-C	General		
		Gulf Estuarine Research Society (GERS) Meeting	E10-C	Affiliate Society Meeting		
		New England Estuarine Research Society (NEERS) Meeting	E10-D	Affiliate Society Meeting		
		Southeastern Estuarine Research Society (SEERS) Meeting	E11-A	Affiliate Society Meeting		
		Atlantic Estuarine Research Society (AERS) Meeting	E10-B	Affiliate Society Meeting		
		Atlantic Canada Coastal and Estuarine Science Society (ACCESS) Meeting	E10-A	Affiliate Society Meeting		
		California Estuarine Research Society (CAERS) Meeting	E11-B	Affiliate Society Meeting		
		Social Event at the Hippodrome	Offsite	General		
Wednesday, 12 November 2025						
Start Time	End Time	Event	Room	Type		
6:00 AM	7:15 AM	CERFers on the Run - 3 mile run	Registration Lobby	General		
6:50 AM	8:00 AM	CERFers on the Run - 1 mile run	Registration Lobby	General		

7:00 AM	5:00 PM	Registration Open	Registration Lobby	General		
8:00 AM	5:00 PM	Family Room	E25-B	Family Friendliness		
8:00 AM	9:30 AM	New Developments in Coastal Blue Carbon Science for Management	E21-A	Oral		
		8:00 - 8:15 Carbon stock and accumulation rates prior to beneficial use restoration project, Deal Island, MD, USA				
		8:15 - 8:30 Identifying site-specific factors driving seagrass blue carbon and communicating implications for management and restoration				
		8:30 - 8:45 Integrating machine learning and remote sensing to estimate salt marsh gross primary productivity				
		8:45 - 9:00 Blue carbon and on-bottom oyster harvesting method				
		9:00 - 9:15 Species matters - comparison of ecosystem formed by two dominant temperate seagrass species				
		9:15 - 9:30 Plant and microbial contributions to blue carbon storage across continental scales				
8:00 AM	11:00 AM	Marine transportation impacts to coastal environment		Marine transportation in E11-A	Oral	
		8:00 - 8:15 Ten years later: the Port Miami deep dredge project reveals valuable lessons learned				
		8:15 - 8:30 CANCELLED - Measuring and characterizing hazardous vessel wake using small unmanned aerial systems at Yybee Island, Georgia				
		8:30 - 8:45 CANCELLED - Empirical forecasting of nonlinear vessel wake behavior along estuarine navigation channels				
		8:45 - 9:00 Numerical modeling of lower Mississippi River management strategies projects considerable navigation, risk-reduction and restoration trade-offs				
		9:00 - 9:15 Navigating changes to Delaware River's benthic habitats pre- and post-2016 usace main channel deepening project				
		9:15 - 10:00 Break				
		10:00 - 10:15 Boat wakes enhance oyster reed mortality in a short-fetch estuary	E21-B	Oral		
		10:15 - 10:30 Seasonal trends and the impacts of dredging on fish habitat use of coastal inlets				
		10:30 - 10:45 Identifying correlation between commercial ship traffic and hazardous wake using camera imagery and AIS data.				
		10:45 - 11:00 CANCELLED - The potential effect of navigation channel expansion on ship-induced erosion				
		11:00 - 11:15 Sinking shores, rising solutions: adaptive future of Port Fourchon				
8:00 AM	11:30 AM	Resilient estuaries and communities: bridging knowledge systems and co-designing solutions	E10-B	Oral		
		8:00 - 8:15 Beyond boundaries: Framework for transdisciplinary and transnational collaborations in socio-environmental problem solving and adaptive governance				
		8:15 - 8:30 A focus on the future: Participatory focus groups help envision coastal futures				
		8:30 - 8:37 Mapping the path to successful collaborations: Building trusted relationships to create a shared vision				
		8:37 - 8:45 What gets reported? A novel method for quantifying bias in community-sourced data				
		8:45 - 9:00 Assessing wetland resilience in coastal Louisiana - comparing biophysical predictions and traditional ecological knowledge (TEK)				
		9:00 - 9:15 Understanding stakeholder networks: Social network analysis as a key tool for managing invasive blue catfish				
		9:15 - 9:30 Using long term trends from "report card" data to inform adaptive management				
		9:30 - 10:00 Break				
		10:00 - 10:15 Engaging and empowering community members to shape the next generation of socio-environmental assessments				
		10:15 - 10:30 Assessing climate resilience at the community level in Maryland				
		10:30 - 10:45 Coastal resilience to changes in salt marsh flooding in Georgia, USA: a community-based case study				
		10:45 - 11:00 Moving towards an asset management approach for coastal marshes				
		11:00 - 11:15 Bridging the gaps: Lessons learned from four community collaboration projects				
		11:15 - 11:30 Moving beyond bounding scenarios; quantitative estimates of coastal wetland change in uncertain futures				
8:00 AM	11:30	Connectivity of estuarine-dependent species	E11-C	Oral		
		8:00 - 8:15 Sex-specific differences in habitat use for Cynoscion nebulosus in a dynamic Gulf estuary				
		8:15 - 8:30 Seasonal and inter-estuary movements of black drum in the northwest Gulf of Mexico				
		8:30 - 8:45 Factors influencing Gulf sturgeon presence and movement in the Mobile Bay estuary				
		8:45 - 9:00 Comparative analysis of individually variable freshwater habitat use in subtropical estuarine fishes				
		9:00 - 9:15 Variable freshwater flow, estuarine circulation, and foodweb interactions regulate abundance of an endangered estuarine fish				
		9:15 - 9:30 Evidence for environmentally mediated recruitment in a marine estuarine-dependent flatfish (Paralichthys lethostigma).				
		9:30 - 10:00 Break				
		10:00 - 10:15 Coupled fine-scale transport of plankton blue crabs and early juvenile settlement: a stable isotope approach				
		10:15 - 10:30 Biogeochemical BBH: remarkable life histories of the blueback herring, alosa aestivalis, revealed with biogeochemical tracers				
		10:30 - 10:45 Bird use of floating roosts drives localized isotopic enrichment across multiple trophic levels				
		10:45 - 11:00 Inducible Defenses in Oysters: How age, size, and predator exposure shape physiological and transcriptomic responses				
		11:00 - 11:15 Leveraging light trap networks to advance coastal crab larval monitoring				
		11:15 - 11:30 Determine factors influencing the presence and structure of juvenile shark assemblages in a dynamic Florida estuary				
8:00 AM	11:30	Promising partnerships: interdisciplinary approaches to coastal and estuarine science				
		8:00 - 8:15 Global perspectives on transdisciplinary partnerships for holistic outcomes				
		8:15 - 8:30 Harnessing transdisciplinary science to support coastal remediation, restoration, and community revitalization				
		8:30 - 8:45 Promising partnerships: Corpus linguistics and marine ecology				
		8:45 - 9:00 Co-producing resilience: Building coastal flood resilience through community engagement in Wilmington, NC				
		9:00 - 9:15 Tracking nutrient dynamics and habitat change: the role of participatory science in Florida's seagrass meadows				
		9:15 - 9:30 Frustration with privatization: a social network analysis of shoreline access management				

		9:30 - 10:00 Break				
		10:00 - 10:15 CANCELLED - Enhancing wetland change predictions to support landscape-scale understanding in an uncertain future				
		10:15 - 10:30 Assessing the ecological and societal benefits and tradeoffs of oyster breakwaters				
		10:30 - 10:45 Constructing lost indigenous fisheries management: predicting Tsenacommacah oyster grounds with random forest				
		10:45 - 11:00 Leveraging conventional partnerships with novel tools for holistic water quality and ecosystem management				
		11:00 - 11:15 Increasing translational coastal and estuarine science research capacity in the first state				
		11:15 - 11:30 Beyond 2025 and the Chesapeake Bay Program's outcome revision process.				
8:00 AM	2:30 PM	Human impacts, climate change, and policy	E10-A	Oral		
		8:00 - 8:15 Satellite-based detection of vegetation and elevation changes near rocket launch sites at the Cape Canaveral				
		8:15 - 8:30 Chesapeake Bay private property landowner gap analysis for tidal wetland goals				
		8:30 - 8:45 Plant traits as an early warning signal of marsh loss due to sea level rise				
		8:45 - 9:00 The role of salinity in shaping the performance of marine species under simultaneous human-induced stressors				
		9:00 - 9:15 Emerging impacts on coastal marine ecosystems during the first year at 1.5°C warming				
		9:15 - 9:30 Impact of disturbance and nutrient enrichment on salt marsh ecosystems				
		9:30 - 9:45 Examining sav relationships with land use in the Chesapeake Bay national estuarine research reserve				
		9:45 - 10:00 Break				
		10:00 - 10:15 Hurricanes and barrier island resilience - impacts from recent hurricanes and a community-based response				
		10:15 - 10:30 Assessing the ability of Atlantic croaker to recover from exposure to loud sounds				
		10:30 - 10:45 Total alkalinity transport from Vistula River to the Baltic Sea: seasonal and interannual variability (2016-2024)				
		10:45 - 11:00 Can land-ocean continuum zones serve as natural analogues for observing ocean alkalinity enhancement?				
		11:00 - 11:15 The "evil twins" of ocean acidification and warming: Unveiling the fate of north Atlantic mollusks				
		11:15 - 11:30 Effect of land use change on benthos and nekton communities in adjacent estuaries over 30 years.				
		11:30 - 1:00 Lunch				
		1:00 - 1:15 Preparing for flooding: Outcomes from a flood resiliency education program for elementary students				
		1:15 - 1:30 Mapping climate vulnerability: Contaminants of emerging concern in the South Carolina coastal plain				
		1:30 - 1:45 Climate change and nutrient loading drive long-term water quality degradation in the Cape Fear estuary				
		1:45 - 2:00 Information ecosystems: Exploring the connection between reserve science and coastal resilience decision-making				
		2:00 - 2:15 NOAA - driving smart coastal investments: Informing coastal planning, management and implementation with advanced science				
		2:15 - 2:30 An exploration of local adaptation to sea level rise in southern California				
8:00 AM	11:45 AM	Evaluation of artificial oyster reef substrates for habitat restoration	E10-C	Oral		
8:00 AM	2:30 PM	Monitoring and modeling estuarine nekton	E22-AB	Oral		
8:00 AM	2:30 PM	Estuarine and coastal plankton communities: sentinels of evolving ecosystems	E10-D	Oral		
8:00 AM	2:30 PM	Water-quality patterns and trends II: Novel analysis and communication approaches	E21-C	Oral		
8:00 AM	7:00 PM	ICC Low Sensory Room	E24-AB			
9:30 AM	10:00 AM	Break	Exhibit Hall A	General		
9:30 AM	10:30 AM	Conference Ombuds Office Hours	Show Office A	Conference Ombuds		
10:00 AM	11:30 AM	Biophysical feedbacks and their role in coastal resilience	E21-A	Oral		
11:30 AM	1:00 PM	Lunch On Your Own	Various	General		
11:30 AM	1:00 PM	LGBTQ+ Affinity Group Lunch	B15-BC	Affinity Groups		
1:00 PM	2:15 PM	Microplastics in coastal ecosystems: biological interactions	E11-A	Oral		
1:00 PM	2:15 PM	Tradition meets innovation: Transforming shellfish aquaculture and harvesting	E10-C	Oral		
1:00 PM	2:30 PM	Rooted resilience: mangroves, communities, and coastal renewal	E10-B	Oral		
1:00 PM	2:30 PM	Marshes for Maine's Future: the ways restoration should be	E21-A	Oral		
1:00 PM	2:30 PM	Coastal mapping data collection and classification for research and management	E21-B	Oral		
1:00 PM	2:30 PM	Seascape-faunal connections: impacts of seascape heterogeneity on faunal processes	E11-C	Oral		
1:00 PM	2:30 PM	Positive social and ecological interactions in restoration	E23-AB	Oral		
2:30 PM	3:00 PM	Break	Exhibit Hall A	General		
2:30 PM	5:30 PM	Student Design Competition - Building Resilience in Galesville, Maryland: A Collaborative Future Vision	E10-C	Design Competition		
3:00 PM	4:30 PM	Navigating Career Uncertainty with Courage and Purpose	E11-B	Collab Session		
3:00 PM	4:30 PM	Create Space for Authentic Science Storytelling Through Your Unique Lens	E11-A	Collab Session		
3:00 PM	4:30 PM	Rising TIDES - Alumni Connections	E21-BC	Collab Session		
3:00 PM	4:30 PM	Research Challenges and Opportunities at Primarily Undergraduate Institutions	E10-D	Collab Session		
3:00 PM	4:30 PM	Global Synergy in Modeling Coastal Protection by Oyster Reefs.	E21-A	Collab Session		
3:00 PM	4:30 PM	Developing your online community	E21-C	Spontaneous Collab		
4:30 PM	7:00 PM	Posters - Wednesday	Exhibit Hall A	Poster		
6:00 PM	8:00 PM	Conference Ombuds Office Hours	Show Office A	Conference Ombuds		
Thursday, 13 November 2025						

Start Time	End Time	Event	Room	Type		
6:00 AM	7:15 AM	CERFers on the Run - 3 mile run	Registration Lobby	General		
6:50 AM	8:00 AM	CERFers on the Run - 1 mile run	Registration Lobby	General		
7:00 AM	4:30 PM	Family Room				
7:00 AM	4:30 PM	Registration Open	Registration Lobby	General		
8:00 AM	9:30 AM	Plenary Session 2 - Science for Solutions: Emerging Issues of Data Generation, Processing and Sharing	Grand Ballroom B21-AB	Plenary		
8:00 AM	5:00 PM	ICC Low Sensory Room	E24-AB	Inclusive Culture		
8:30 AM	10:00 AM	Conference Ombuds Office Hours	Show Office A	Conference Ombuds		
9:30 AM	10:00 AM	Break	Registration Lobby	General		
10:00 AM	11:30 AM	Challenge and promise of scale in coastal climate change assessments	E11-A	Oral		
		10:00 - 10:07 Fine scale watershed, airshed, land use, and estuary models of the Chesapeake				
		10:07 - 10:15 Recent advances in the development and linkage of fine-scale phase 7 Chesapeake Bay watershed model				
		10:15 - 10:30 Development of EPA's phase-7 Chesapeake Bay water quality model				
		10:30 - 10:45 Wave-driven dynamics simulation of shoreline erosion in Chesapeake Bay over multidecadal time scales				
		10:45 - 11:00 Enhanced benthic biodiversity and primary productivity with reduced turbidity in a coastal receiving environment				
		11:00 - 11:15 Diel oxygen dynamics across scales in a changing estuary: Insights from the Patuxent River estuary				
		11:15 - 11:30 Updating a parcel-scale quantitative sea level rise vulnerability assessment for Puget Sound, Washington state				
10:00 AM	11:30 AM	Ecological forecasting for coastal management	E21-C	Oral		
		10:00 - 10:15 Co-production and application of an ensemble marsh migration corridor model for management				
		10:15 - 10:30 Predicting the onset of algal blooms in a eutrophic estuary using critical depth theory				
		10:30 - 10:45 A short-term harmful algal bloom (HAB) forecasting system for the lower Chesapeake Bay				
		10:45 -11:00 Use cases of real-time environmental forecasting in the Chesapeake Bay: Providing actionable information				
		11:00 - 11:07 Harmful algal bloom forecasting at NOAA's national centers for coastal ocean science				
		11:07 - 11:15 Understanding and advancing harmful algal bloom forecasts in Lake Erie using statistical tools				
		11:15 - 11:22 From lab to space: a holistic harmful algal bloom monitoring approach in the Chesapeake Bay				
		11:22 - 11:30 Using NOAA observational tools to create vibrio ecological forecasting products for coastal waters				
10:00 AM	11:30 AM	Habitat restoration on islands: unique challenges and opportunities.	E21-B	Oral		
		10:00 - 10:15 Island building: Successes and challenges in creating Poplar Island, Chesapeake Bay, USA				
		10:15 - 10:30 Collaborative oyster restoration to achieve multiple benefits on Sapelo Island, Georgia USA				
		10:30 - 10:45 Sediment influence on Zostera marina seedling establishment for enhanced seagrass restoration in San Juan Islands				
		10:45 - 11:00 Incorporating novel approaches in mangrove restoration: using Sargassum and recycled crushed glass				
		11:00 - 11:15 A response assessment of reciprocally outplanted orbicella annularis in St. Thomas, USVI				
10:00 AM	11:30 AM	Enhancing coastal marsh resilience through innovative modeling solutions	E10-D	Oral		
		10:00 - 10:15 CANCELLED - Predicting salt marsh loss in Chesapeake Bay: Multi-model synthesis and management applications				
		10:15 - 10:30 CANCELLED - Simulating alternative futures in a central Californian estuary				
		10:30 - 10:45 Cross scale hydrodynamic modelling of marsh migration due to managed realignment				
		10:45 - 11:00 A simplified model for morphodynamic evolution and the equilibrium creek spacing in salt-marsh systems dissected				
		11:00 - 11:15 Evaluating marsh terraces for wave and wind tide reduction in back bay national wildlife refuge				
		11:15 - 11:30 Modeling long-term salt marsh resilience with adh at James Island, Maryland				
10:00 AM	11:30 AM	Mud to multispectral: evaluating coastal disturbances to capture landscape variability	E11-C	Oral		
		10:00 - 11:15 Linking plant species diversity to wetland resilience following repeated disturbance events in the mangrove-marsh ecotone				
		10:15 - 10:30 Mangrove ecosystem recovery following hurricanes in south Florida and southeast Puerto Rico				
		10:30 - 10:45 Satellite-derived phenology of phragmites australis in coastal Louisiana: Implications for wetland dieback and land loss				
		10:45 - 11:00 Scaling spatial and temporal effects of wrack across a salt marsh landscape				
		11:00 - 11:15 Mapping wrack disturbance dynamics using satellite imagery				
10:00 AM	11:30 AM	Natural history of coastal Delmarva Peninsula: integrating research and monitoring	E10-B	Oral		
		10:00 - 10:15 Accelerating dynamics of barrier-backbarrier systems: Insights from the barrier islands of the southern Delmarva Peninsula				
		10:15 - 10:30 Oyster (Crassostrea virginica) settlement and population demographics in delmarva coastal bays near Wachapreague, Virginia, USA				
		10:30 - 10:45 Shorebirds in a changing landscape: Consequences of climate-driven ecosystem change on nesting habitat in Virginia				
		10:45 - 11:00 Ecosystem shifts driven by landscape dynamics in a coastal barrier island system				
		11:00 - 11:07 Ecological impacts of shoreline stabilization and climate drivers on migratory shorebirds on Virginia's barrier islands.				
		11:07 - 11:15 Widespread seagrass wasting disease linked to temperature stress nearly a century after collapse				
		11:15 - 11:30 Restoration of a Mid-Atlantic coastal bay scallop population (Argopecten irradians)				
10:00 AM	2:30 PM	Moving restoration science forward through interagency coordination, co-production, and cooperation	E23-AB	Oral		
		10:00 - 10:15 From inception to impact: Developing your multidisciplinary team				
		10:15 - 10:30 Building coastal resilience at marine corps recruit depot Parris Island				
		10:30 - 10:45 Co-production and actionable research within seagrass conservation and management areas for the prevention of scarring				

		10:45 - 11:00 A collaborative road to recovery for eelgrass in Casco Bay, Maine				
		11:00 - 11:15 Maximizing the benefits of barrier island restoration for seagrasses through the co-production of science				
		11:15 - 11:30 More oysters: Integrated framework for spatial oyster habitat modeling in the Caloosahatchee River Estuary, Florida				
		11:30 - 1:00 Lunch				
		1:00 - 1:15 Habitat mosaic approach to estuarine habitat restoration in Mosquito Lagoon, Florida				
		1:15 - 1:30 Revealing population structure of Tachypleus tridentatus in the Taiwan Strait				
		1:30 - 1:45 Transboundary marine protected areas for Tachypleus tridentatus conservation in Xiamen Bay				
		1:45 - 2:00 Unexpected increase in malformations in Limulus polyphemus from two shrinking populations in New England, USA				
		2:00 - 2:15 Developmental malformations in Limulus polyphemus present insights into extreme extinct horseshoe crab morphologies				
		2:15 - 2:22 Comparing temporal patterns of horseshoe crab parasite loads in Long Island Sound				
		2:22 - 2:30 Estimating horseshoe crab (Limulus polyphemus) growth and mortality rates in Delaware Bay				
10:00 AM	2:30 PM	Biology and conservation of horseshoe crabs and their essential habitats	E11-B	Oral		
		10:00 - 10:15 Endogenous circalunidian rhythms of vertical migration in the larvae of the american horseshoe crab				
		10:15 - 10:30 Does landscape composition impact the functionality of intertidal horseshoe crab (Limulus polyphemus) nurseries?				
		10:30 - 10:45 What makes a marsh a good marsh for spawning horseshoe crabs?				
		10:45 - 11:00 CANCELLED - Habitat preferences and conservation challenges for juvenile Asian horseshoe crabs in China's Beibu Gulf				
		11:00 - 11:15 Differences in timing between horseshoe crab spawning and shorebird migrations on the South Carolina coast				
		11:15 - 11:30 Horseshoe crab (Limulus polyphemus) population decline and reproductive challenges in Long Island Sound, USA				
		11:30 - 1:00 Lunch				
		1:00 - 1:15 The conservation action plan for Asian horseshoe crabs: a progress report				
		1:15 - 1:30 The nationwide trap program: Local successes, national insights, global solutions				
		1:30 - 1:45 More than just monitoring: a co-production story conserving sport fish habitat in southwest Florida				
		1:45 - 2:00 Coordinating with regional land use planning to conserve sportfish nursery habitat				
		2:00 - 2:15 Education as resilience infrastructure: Adaptive, community-driven approaches in Eco-Schools USVI				
		2:15 - 2:30 Addressing barriers to coastal plant restoration: From ecology to economy				
10:00 AM	2:30 PM	Sea-level rise and the transgression of coastal landscapes	E10-C	Oral		
		10:00 - 10:15 Reframing coastal forest retreat: the emerging role of regeneration in delaying coastal forest loss.				
		10:15 - 10:30 Uncovering soil moisture boundaries and forest structure in transgressing forests with spaceborne SAR and LIDAR				
		10:30 - 10:45 Carbon storage in tidal forests in varying salinity regimes				
		10:45 - 11:00 Evaluating drivers of the marsh-upland boundary in salt marsh transition zones.				
		11:00 - 11:15 Environmental drivers of Phragmites australis and herbaceous biomass in retreating coastal forests				
		11:15 - 1:00 Lunch				
		1:00 - 1:15 From pines to hollies: How rising seas alter tree morphological space occupation?				
		1:15 - 1:30 Transgression of wetland vegetation is influenced by micro-topographic variation across the marsh-forest boundary				
		1:30 - 1:45 Blue carbon storage facilitates soil elevation gains in coastal mangrove forests of Biscayne National Park				
		1:45 - 2:00 Recognizing salt wave events in coastal systems				
		2:00 - 2:08 Are there potential hotspots for ghost forest formation in Japan?				
		2:08 - 2:15 From marsh to mangrove: tracing nitrogen incorporation into stable soil pools				
		2:15 - 2:30 Mowing favors native plants in migrating backyard marshes on Tangier Island				
10:00 AM	2:30 PM	Strategies for interpreting long-term monitoring data to assess ecosystem stability	E21-A	Oral		
		10:00 - 10:15 Quantify seagrass temporal stability in a subtropical estuarine lagoon through remote sensing and multivariate analysis				
		10:15 - 10:30 Reconstructing bottom water temperature to assess ecosystem stability on the mid Atlantic continental shelf				
		10:30 - 10:45 Long-term coastal ecosystem changes in china: observational evidence from shorelines, tidal flats, and salt marshes				
		10:45 - 11:00 Long-term characterization of European green crab, Carcinus maenas, monitoring in coastal Alaska				
		11:00 - 11:15 Survival of the fattest: Four decades of declining fish body condition across the U.S. Atlantic				
		11:15 - 11:30 Making seagrass habitat condition knowledge readily available to stakeholders and decision makers in the Caribbean				
		11:30 - 1:00 Lunch				
		1:00 - 1:15 Blue crabs in Chesapeake Bay, VA, exhibit synchrony at intermediate and near-decadal timescales				
		1:15 - 1:30 Stable, but for how long? Evaluating methods for measuring stability across timescales in coastal Florida				
		1:30 - 1:45 Trends and drivers of seagrass communities in Florida Bay over the past 30 years				
		1:45 - 2:00 Ecosystem change following disappearance of sav from a shallow embayment of the freshwater tidal potomac				
		2:00 - 2:15 Best management practices reduce fecal bacterial contamination in the Narrow River, Rhode Island				
		2:15 - 2:30 Biogeography of temperature-related shifts in estuarine fish assemblages along the western North Atlantic				
10:00 AM	4:30 PM	Fish and shellfish: linking science, management, and society	E10-A	Oral		
		10:00 - 11:15 Shell shock: Investigating four decades of ocean acidification and warming on Atlantic sea scallop shells				
		10:15 - 10:30 Spatial variation in the reproductive ecology of soft-shell clams in the Gulf of St. Lawrence				
		10:30 - 10:45 Effects of oyster shell substrate on the growth and survival of planted soft-shell clams				

		10:45 - 11:00 Examining juvenile abundance and size of New Jersey surfclams from the 1970s through the 2010s			
		11:00 -11:15 Decadal population variability in subtidal bay clams in Tillamook Bay, Oregon: Implications for fishery management			
		11:15 - 11:23 How does exposure to known concentrations of neonicotinoid pesticide affect the eastern oyster, <i>Crassostrea virginica</i> ?			
		11:23 - 11:30 Comparing nutrient recycling by fishes and crabs in seagrass beds between Florida and Mississippi			
		11:30 - 1:00 Lunch			
		1:00 - 1:15 Dead in the water: Investigating microbial links to mortalities in eastern oysters (<i>Crassostrea virginica</i>)			
		1:15 - 1:30 Pearls of wisdom: Optimizing a genomic selection approach to oyster breeding at hatchery-scale in Louisiana			
		1:30 - 1:45 Impacts of oyster culture on seagrass habitat function: Results from a four-year manipulative experiment			
		1:45 - 2:00 Utilizing science and working with crabbers to enhance the Gulf of Mexico blue crab fishery			
		2:00 - 2:15 Estuarine marine debris: Impact of lost and abandoned lobster traps on Long Island Sound fauna			
		2:15 - 2:30 Shucking resistance: from fishing to farming on the peconic estuary			
		2:30 - 3:00 Break			
		3:00 - 3:15 Saprolegniosis in subsistence whitefishes on the Colville River in Nuiqsut, Alaska			
		3:15 - 3:30 Estimating catch and release mortality of striped bass (<i>Morone saxatilis</i>)			
		3:30 - 3:45 Comparison of underwater video camera systems that collect fisheries data in the Gulf of Mexico			
		3:45 - 4:00 Evidence of fish-cetacean interactions at fish spawning aggregations using long-term passive acoustic monitoring data			
		4:00 - 4:15 Connectivity and adaptation of South Atlantic coastal fisheries populations: a genomic perspective			
		4:15 - 4:30 Fish community shifts associated with freshwater management for Everglades coastal wetlands			
10:00 AM	4:30 PM	Living shorelines - adapting to changing coasts	E22-AB	Oral	
		10:00 - 11:15 Advancing the sustainable application of living shoreline techniques at regional and global scales			
		10:15 - 10:30 Quantifying downdrift erosion adjacent to shoreline stabilization structures in the Chesapeake Bay			
		10:30 - 10:45 Nearshore submersed aquatic vegetation density at living shorelines track regional trends in Chesapeake Bay			
		10:45 - 11:00 Evaluating the performance of living shorelines retrofits for hardened coastal infrastructure.			
		11:00 -11:15 Ecological barriers to oyster reef development on breakwater structures			
		11:15 - 11:30 Assessing bagged recycled oyster shells effectiveness in conserving Georgia's salt marshes			
		11:30 - 11:45 Ribbed mussels at the edge: Surviving (but not thriving) in living shorelines			
		11:45 - 1:00 Lunch			
		1:00 - 1:15 Expanding the intertidal range of oysters and mitigating against marine heatwaves through shading			
		1:15 - 1:30 Effects of oyster bed morphology on wave abatement and sedimentation in a southern California embayment			
		1:30 - 1:45 Evaluating nekton use of living shorelines relative to natural marshes and unvegetated shorelines			
		1:45 - 2:00 A lifecycle informed restoration approach to optimising ecological and engineering outcomes of living shorelines			
		2:00 - 2:15 Evolving dynamics of living shorelines: understanding sediment, vegetation, and elevation interactions for coastal resilience			
		2:15 - 2:30 Adaptive estuarine habitat creation with the oyster catcher and related cement-infused plant cloth hardscapes.			
		2:30 - 3:00 Break			
		3:00 - 3:15 Valuing supporting ecosystem services from nature-based coastal infrastructure			
		3:15 - 3:30 Living shoreline assistance program in coastal Alabama/Florida.			
		3:30 - 3:45 Roads, water, and living shorelines			
		3:45 - 4:00 Increasing native plant material for coastal resilience through science and community outreach			
		4:00 - 4:15 Understanding early outcomes of homeowner living shorelines			
		4:15 - 4:30 Community-based environmental monitoring in perdido bay: Leveraging chronolog to enhance coastal conservation			
11:30 AM	1:00 PM	Lunch On Your Own	Various	General	
1:00 PM	2:30 PM	Aquatic chemistry in coastal and estuarine ecosystems	E11-A	Oral	
		1:00 - 1:15 Variations of iron and sulfur in coastal marshes			
		1:15 - 1:30 Coastal eutrophication and freshwater inputs drive acidification in the Indian River Lagoon, Florida			
		1:30 - 1:45 Drivers of alkalinity source-sink behavior in U.S. Estuaries: Roles of freshwater inputs and internal processes			
		1:45 - 2:00 Impacts of vegetation loss on seasonal nitrogen removal and recycling pathways in urban salt marshes			
		2:00 - 2:15 How "alive" is particulate organic carbon in a gradient from the ocean to the estuary?			
		2:15 - 2:30 Variations of air-sea CO2 fluxes and their key influence factors in seagrass meadows			
1:00 PM	2:30 PM	Evolution of estuarine and coastal ecosystems and biodiversity maintaining mechanisms	E10-B	Oral	
		1:00 - 1:15 Research on evolution of China's estuarine systems and mechanisms for maintaining biodiversity under global changes			
		1:15 - 1:30 Ammonia oxidation of aerobic methanotrophs is a potential source of marine nitrous oxide			
		1:30 - 1:45 CANCELLED - Nutritional quality of phytoplankton shapes estuarine food webs under salinity and nutrient stress			
		1:45 - 2:00 Broad-scale diversity patterns differ among belowground organismal groups in coastal wetlands			
		2:00 - 2:15 Impact of plastics on soil bacterial diversity, plant growth and GHG mission in coastal wetlands			
		2:15 - 2:30 Detection of vegetation and morphology on coastal tidal wetlands using multispectral and laser scanning data			
1:00 PM	2:30 PM	Nutrients and HAB interactions: comparing imported and in situ phenomena	E21-C	Oral	
		1:00 - 1:15 Spatial variability in controls on cyanobacteria HABs across the Albemarle-Pamlico Sound system			

		1:15 - 1:30 Photosynthetic rate and pigment composition of microseira wollei, a toxin-producing cyanobacterium, over an annual cycle			
		1:30 - 1:45 Nitrogen fixation pathways in pelagic Sargassum mats off the North Carolina coast			
		1:45 - 2:00 The role of organic nitrogen in shaping nutrient limitation in estuarine phytoplankton			
		2:00 - 2:15 Chlorophyll-a Decline During a Sargassum sp. Bloom Event in Laguna Grande, Fajardo, Puerto Rico.			
		2:15 - 2:30 Environmental tolerances and taxonomic identity of anatoxin-producing Microcoleus strain (cyanobacteria) from Shenandoah River, Virginia, USA			
1:00 PM	2:30 PM	Sediment dynamics and management in back-barrier and estuarine environments	E11-C	Oral	
		1:00 - 1:15 Influence of marsh elevation and geomorphology on current and future sediment delivery and deposition			
		1:15 - 1:30 Building barrier-island resilience without structures: a demonstration project along Virginia's eastern shore			
		1:30 - 1:45 Tracking sediment and organic-matter recycling through tidal inlets in transgressive barrier-island systems			
		1:45 - 1:52 Shoreline elevation change over time at the restored cove point freshwater marsh.			
		1:52 - 2:00 Assessing benthic community change following salt marsh thin layer placement on Jekyll Island, Georgia			
		2:00 - 2:15 Investigating sediment dynamics and marsh restoration strategies in Cumberland Sound, Georgia			
		2:15 - 2:30 Sediment accumulation patterns in coastal Georgia and implications for beneficial use of dredge material			
1:00 PM	4:30 PM	From river to ocean: ecology-driven Everglades water management	E21-B	Oral	
		1:00 - 1:15 Every drop of water! Managing south Florida's ecosystems for people, plants, and panthers			
		1:15 - 1:30 Lake Okeechobee sediment ecosystem health and connections to water quality: a key role for iron			
		1:30 - 1:45 Fe-S cycling seasonal dynamics in carbonate-dominated Florida Bay sediments: Impacts on sediment oxygen consumption			
		1:45 - 2:00 Microbial interaction and the effects on water quality in the st. Lucie river and estuary			
		2:00 - 2:15 Treatment wetlands to the rescue! Restoring south Florida's ecosystem one STA at a time.			
		2:15 - 2:30 Salty waters and shifting tides: Examining depth, salinity changes, and hydrologic restoration in Florida Bay			
		2:30 - 3:00 Break			
		3:00 - 3:15 Salinity dynamics, ecological patterns, and restoration in Florida Bay			
		3:15 - 3:30 Hidden habits: Assessing infaunal community function to inform watershed restoration			
		3:30 - 3:45 Using salinity, oysters, and seagrass to assess ecological conditions in the St. Lucie Estuary			
		3:45 - 4:00 Ecological indicators in action: How benthic ecosystems inform water resource management, preservation, and restoration.			
		4:00 - 4:15 From counts to codes: Evaluating traditional monitoring versus eDNA approaches in the indian river lagoon			
		4:15 - 4:30 Modeling studies of ecosystem resistance, resilience and recovery in Florida Bay, USA			
1:00 PM	4:30 PM	Integrative salt marsh ecology: linking across scales and locations	E10-D	Oral	
		1:00 - 1:15 How climate change is impacting tidal marshes: national synthesis utilizing the National Estuarine Research Reserves			
		1:15 - 1:30 Differences in salt marsh plant cover alter infauna abundance and community composition			
		1:30 - 1:45 A generalized salt marsh productivity model for assessing marsh resilience			
		1:45 - 2:00 Linking spatially explicit carbon fluxes with biomass: towards understanding carbon dynamics in heterogeneous salt marshes			
		2:00 - 2:15 Exploring fungal-spartina interactions along an elevation gradient to inform carbon dynamics in salt marshes.			
		2:15 - 2:45 Break			
		2:45 - 3:00 Spatial heterogeneity in salt marsh resilience and carbon			
		3:00 - 3:15 Abiotic stress and vegetation variability predict resilience in a salt marsh foundation species			
		3:15 - 3:30 Effects of elevation and ammonium vs. nitrate fertilization on salt marsh productivity, respiration, and decomposition			
		3:30 - 3:45 Adapting salt marsh vulnerability assessment methodologies to South Carolina salt marshes			
		3:45 - 4:00 Spatial and temporal dynamics in spartina alterniflora biomass, productivity, gas fluxes and carbon stocks			
		4:00 - 4:15 Recovery of salt marsh ecosystems with experimental tidal restoration: Wide applicability in varied environments			
		4:15 - 4:30 Characterizing cyanobacterial mats on damaged wind-tidal flats in Boca Chica, Texas			
1:30 PM	3:00 PM	Conference Ombuds Office Hours	Show Office A	Conference Ombuds	
2:30 PM	3:00 PM	Break	Registration Lobby	General	
3:00 PM	4:30 PM	Evaluating coastal restoration materials: plastics, bioplastics, and natural alternatives	E11-B	Oral	
		3:00 - 3:08 Microparticle shedding and durability of non-plastic coastal restoration materials: Part 1			
		3:08 - 3:15 Microparticle shedding and durability of non-plastic coastal restoration materials: Part 2			
		3:15 - 3:23 The production of micro- and nanoplastics from polyethylene bags by photooxidation coupled with mechanical forces			
		3:23 - 3:30 Optimizing material selection for living shorelines and oyster restoration			
		3:30 - 3:45 Evaluating using non-plastic materials for community-based oyster reef restoration in St. Charles Bay, Texas			
		3:45 - 4:00 Restoring hope: Using virtual reality to inspire and engage volunteers at oyster reef restoration events			
		4:00 - 4:15 Quantifying in-situ weathering of biodegradable geotextiles for improved coastal zone applications			
		4:15 - 4:23 Field-based evaluation of glass cullet as a supplementary sediment source for coastal restoration			
		4:23 - 4:30 Field-based evaluation of glass cullet as a supplementary sediment source for coastal restoration			
3:00 PM	4:30 PM	Genetic variation, evolutionary approaches, and restoration: Bridging science and practice	E23-AB	Oral	
		3:00 - 3:15 Promise and potential pitfalls of genetically-informed approaches to restoration of coastal foundation species.			
		3:15 - 3:30 Restoration re-vegetation methods are consistently associated with different intraspecific outcomes			
		3:30 - 3:45 Effects of temperature and oxygen exposure on survival and gene expression of Olympia oysters			

		3:45 - 3:52 From greenhouse to riverbed: Genotype-guided restoration of <i>Vallisneria americana</i> in the Hudson River estuary.			
		3:52 - 4:00 CANCELLED - Reproductive demography and population differentiation of <i>Zostera marina</i> in Great Bay Estuary, NH			
		4:00 - 4:07 Patterns of intraspecific variation persist in restored eelgrass; insights from a decade-long common garden experiment			
		4:07 - 4:15 Assisted gene flow and salt marsh restoration success: a cautionary tale			
		4:15 - 4:30 Testing variation in stress tolerance and restoration potential of seagrass subpopulations			
3:00 PM	4:30 PM	Innovation to expedite effective beneficial use of dredge material projects.	E11-C	Oral	
		3:00 - 3:07 Advancing science and partnerships for beneficial use of dredged material through NOAA's ESIR program			
		3:07 - 3:15 Advancing thin layer placement: a literature review for future reporting practices			
		3:15 - 3:22 Natural infrastructure and beneficial use to support marine corps air station cherry point mission			
		3:22 - 3:30 Development of a framework to advance beneficial use of dredged material in Virginia			
		3:30 - 3:45 Do beneficial use of dredge material projects modify marsh hydrodynamics?			
		3:45 - 4:00 CANCELLED - Beneficial Use of Dredged Material as a Nature-based Solution to restore degraded mangroves			
		4:00 - 4:15 Buried alive: Impacts of dredged sediment on growth of <i>Vallisneria americana</i> with implications for restoration.			
		4:15 - 4:30 Leveraging natural transport processes to maximize beneficial use			
3:00 PM	4:30 PM	Organismal biology and ecology in coastal and estuarine ecosystems	E10-B	Oral	
		3:00 - 3:15 Seasonal variability in niche partitioning patterns among highly migratory, coastal sharks in the Mid-Atlantic bight.			
		3:15 - 3:23 The effect of induced defenses on oyster disease resilience across the Mississippi - Alabama coastline			
		3:23 - 3:30 What 20 years of host-parasite data across East Coast estuaries can tell US			
		3:30 - 3:37 Linking metabolic rate to personality traits in juvenile Arctic charr (<i>Salvelinus alpinus</i>)			
		3:37 - 3:45 Mangrove growth and freeze response in an ecotone on the Gulf Coast of Florida			
		3:45 - 3:52 Eastern oyster (<i>Crassostrea virginica</i>) carry-over responses to hypoxic and acidified stress across life stages			
		3:52 - 3:59 Guidance for the use of camera traps in shorebird predation managemnet along the Atlantic flyway			
		3:59 - 4:07 A peek under the canopy: How rockweed facilitates intertidal oysters in the northeastern United States			
		4:07 - 4:15 Microzooplankton grazing on <i>karenia brevis</i> along the west Florida shelf			
		4:15 - 4:30 The golden mussel arrived in North America: invasion status, management, and solutions			
3:00 PM	4:30 PM	Restoration monitoring data in action: informing design and adaptive management	E21-A	Oral	
		3:00 - 3:15 Trouble shooting seagrass restoration to achieve success			
		3:15 - 3:30 Shining a light with data: Using monitoring for adaptive management and positive outcomes			
		3:30 - 3:45 Lessons learned from monitoring new living shorelines in the Maryland Chesapeake and coastal bays			
		3:45 - 4:00 Empirical evidence for the performance of natural infrastructure: a web experience			
		4:00 - 4:15 Using oyster recruitment patterns to effectively manage coastal infrastructure on the Delaware coast			
		4:15 - 4:30 Modeling marsh terracing as a nature-based solution in the back bay national wildlife refuge			
3:00 PM	4:30 PM	Restoring balance: management and restoration's role in coastal nitrogen cycling	E21-C	Oral	
		3:00 - 3:15 Habitat context affects nitrogen burial by restored eastern oyster reefs			
		3:15 - 3:30 Seagrass density drives dinitrogen gas production by mediating carbon quality			
		3:30 - 3:45 Macrophyte-associated denitrification in a eutrophic freshwater pond in southeastern Massachusetts			
		3:45 - 3:52 Managed salt ponds as hotspots for wastewater-fueled phytoplankton growth in San Francisco Bay			
		3:52 - 4:00 Investigating the impact of estuarine restoration on sedimentary nitrogen cycling in Elkhorn Slough, California			
		4:00 - 4:15 Impacts of sand dredging on denitrification rates in sand shoal sediments			
		4:15 - 4:30 The effect of prescribed burning on nitrification-coupled denitrification in a restored Chesapeake Bay tidal marsh			
3:00 PM	4:30 PM	Understanding coastal squeeze: migration of coastal wetlands with sea level rise	E10-C	Oral	
		3:00 - 3:15 Spatiotemporal analysis of coastal squeeze to inform wetland conservation and regional planning in Hampton Roads			
		3:15 - 3:30 Living on the edge: Homeowner attitudes toward coastal flooding and relocation to support marsh migration			
		3:30 - 3:45 Mississippi coastal marsh structure, function, and processes in response to sea level rise			
		3:45 - 4:00 Adaptive foundational resilience (AFR): Assessing the ability of coastal vegetation to adapt to slr.			
		4:00 - 4:15 Emerging social-ecological impacts of coastal squeeze and wetland migration			
		4:15 - 4:30 Submerged aquatic vegetation and turbidity in currituck sound: Clarifying resilience in changing oligohaline ecosystems			
5:30 PM	8:30 PM	Close Out Party and Student Awards Presentation	Grand Ballroom B21-AB	General	