

DAY 1 (June 10)				
Start time	Arundel A	Arundel B	Arundel C	Queen Anne Ballroom
9:00 AM	Introduction			
9:15 AM	Plenary Speaker (9:15-10:00) Ashley Spivey, Kenah Consulting			
10:00 AM	Break (10:00-10:15)			
10:15 AM	Plenary Speakers (10:15-11:00) Martha Shimkin and Anna Killius, Chesapeake Bay Program Beyond 2025 Steering Committee Co-Chairs			
11:00 AM	Plenary Speaker (11:00-11:45) Hilary Harp Falk, Chesapeake Bay Foundation			
12:00 PM	Lunch (12:00-1:00)			
	<p>Session 4: <i>Coupled human-natural systems in Chesapeake Bay</i></p> <p>Raleigh Hood, DG Webster, Gary Shenk, et al.</p>	<p>Session 14: <i>Modern Research Innovations Harnessing Big Data, Machine Learning, and Remote Sensing for Advanced Estuarine Ecosystem Modeling and Monitoring</i></p> <p>Kimberly Van Meter, Ryan Woodland, Jon Derek Loftis, et al.</p>	<p>Session 6: <i>Understanding the Landscape to Better Manage and Protect Aquatic Ecosystems</i></p> <p>Sarah McDonald, Katie Walker</p>	<p>Session 19: <i>Carbon cycling in Chesapeake Bay</i></p> <p>Raymond Najjar, Zhaohui Aleck Wang</p>
1:00 PM	<p>D.G. Webster: Media Representations of Risks and and Co-benefits of Water Quality Governance in the Chesapeake Watershed</p>	<p>Kim Van Meter, Shuyu Chang: Leveraging Machine Learning for Predictive Modeling of River Temperatures across the Chesapeake Bay Watershed: Assessing the Impacts of Changing Land Cover in a Changing Climate</p>	<p>Peter Claggett, Sarah McDonald: Mapping high-resolution land use/land cover in the Chesapeake Bay watershed</p>	<p>Raymond Najjar, Maria Herrmann, Matthew S. Fantle, et al.: The Chesapeake Carbon and Alkalinity Study (CHALK)</p>
1:15 PM	<p>Jason Yoo, Patrick Bitterman: Generating Artificial WIPs Using Machine Learning Methods to Explore Management Responses to Land Use Scenarios</p>	<p>Jon Derek Loftis: Enhanced River Stage Detection Using a Deep Learning Algorithm Combining AI and Edge Detection</p>	<p>Sarah McDonald: Understanding Land Use Change in the Chesapeake Bay Watershed</p>	<p>Riley Westman, Raymond Najjar, Edward Stets, et al.: Geology and Hydrology Drive Substantial Variations in the Carbonate Chemistry of Rivers Feeding the Chesapeake Bay</p>
1:30 PM	<p>Patrick Bitterman, Jason Yoo: Spatial Insights into Water Governance Challenges in the Chesapeake Bay Watershed: Mismatch, Inequality, and Path Dependency</p>	<p>John Hammond, Jeremy Diaz, Phillip Goodling, et al.: Forecasting the ecological impacts of hydrological drought in the Chesapeake Bay Watershed: Strategies for linking forecasted streamflow and groundwater conditions with potential biological and ecological responses</p>	<p>Katie Walker: Supporting Data-Driven Conservation Management</p>	<p>Novia Mann, Hunter Walker, Quinn Roberts, et al.: Seasonal and Spatial Variability of Dissolved Inorganic Carbon in the York and Potomac River Estuaries</p>
1:45 PM	<p>Michele Romolini, Alexa Siglar, Paul T. Leisnham, et al.: Agricultural Water Management in a Changing Mid-Atlantic: Stakeholder Experiences and Attitudes Towards Alternative Water Sources, Weather Variability, and Related Factors</p>	<p>Jian Shen: Machine Learning-based Wave Model with High Spatial Resolution in Chesapeake Bay</p>	<p>Michelle Katoski, Matthew Baker: Characterizing woodland structure using high-resolution spatial datasets</p>	<p>Zhaohui Aleck Wang, Sophie Kuhl, Kate Morkeski, et al.: Impacts of organic alkalinity on carbonate chemistry and carbon fluxes in the two tidal tributaries of the Chesapeake Bay</p>
2:00 PM	<p>Sean Emmons, Taylor Woods, Kelly Maloney: Prioritizing Stream Health Alongside Social Equity in the Chesapeake Bay</p>	<p>Andrew Muller, Diana Lynn Muller: Creating a Long-Term Climatologically Based Forecast for Hypoxia in the Chesapeake Bay</p>	<p>Andrew Sekellick, Matthew Cashman, Gina Lee, et al.: An assessment of stream physical habitat conditions in unmonitored locations of the Chesapeake Bay Watershed</p>	<p>Alexa K Labossiere, Marjorie A. M. Friedrichs, Pierre St-Laurent, et al.: Impact of Tropical Storms on the Carbonate Chemistry of Two Contrasting Tidal Tributaries in the Chesapeake Bay</p>
2:15 PM	<p>Allison Reilly, Jerin Tasnim, Birthe Kjellerup, et al.: Septic to Sewer? Justice-focused strategies for addressing coastal septic failures under sea-level rise and increased flooding</p>	<p>Carl Friedrichs, Dave Parrish, Chris Patrick, et al.: Exploring Relationships Among and Controls on Estuarine Water Quality Parameters Using Unsupervised Clustering and Structural Equation Modeling</p>	<p>Hannah Nisonson: Pilot Framework for Fish Habitat Assessments Across Tidal and Non Tidal Waters in the Patuxent River Basin</p>	<p>Maria Herrmann, Raymond Najjar, Caroline Spengler, et al.: Upper Potomac River Estuary contributes disproportionately to the carbon dioxide outgassing of Chesapeake Bay</p>
2:30 PM	Break (2:30-2:45)			

DAY 1 Continued				
	<i>Session 4 Continued</i>	<i>Session 14 Continued</i>	<i>Session 8:</i> <i>Water-quality patterns and trends in the Chesapeake Bay and its watershed: I. Innovative monitoring techniques and modeling tools</i> Kaylyn S. Gootman, Alexander Gunnerson, Efehuri Oghenekaro, Peter Tango	<i>Session 19 Continued</i>
2:45 PM	Alicia Lawson, Patrick Bitterman: Rising Tides, Sinking Heritage: A GIS-Based Analysis of Sea-Level Rise Impacts on Chesapeake Archaeological Sites	Allison Dreiss, Jeremy Testa, Vyacheslav Lyubchich, et al.: Modeling Impacts of Nutrient Reduction, and Warming on Benthic Forage and Hypoxia in the Chesapeake Bay	Patrick Neale, Shelby Brown, Tara Sill, et al.: Chesapeake Water Watch: Validation of Volunteer Observations of Water Quality in Tidal Tributaries	A. Whitman Miller: High frequency, continuous measurements reveal strong diel and seasonal cycling of pCO ₂ and CO ₂ flux in a mesohaline reach of the Chesapeake Bay
3:00 PM	Michelle Katoski, Peter Claggett, Sarah McDonald: Implications of using high resolution data for forecasting land use change	Olivia N. Szot, Marjorie A.M. Friedrichs, Pierre St-Laurent, et al.: Mechanisms impacting variability of hypoxia onset in the Chesapeake Bay	Peter Tango, Bruce Vogt: Enhanced monitoring supporting improved aquatic habitat assessment for Chesapeake Bay	Anna Hildebrand, John Pohlman, Lee-Gray Boze, et al.: Quantifying dissolved methane concentrations in surficial sediments and water column of the Chesapeake Bay
3:15 PM	Vishwa Shah, Lalit Pal, Mahabub Arefin Chowdhury, et al.: Evaluating the Effectiveness of Integrated Hydrologic and Water Quality Models for predicting WQQ in Occoquan Watershed	Vyacheslav Lyubchich, Allison Dreiss, Ryan E. Langendorf, et al.: Predictability network of oxygen concentrations in Chesapeake Bay	Sergio A. Sabat-Bonilla, Marlaina Marvin, Kelly Maloney: Rethinking Stream Recovery Assessment in the Bay: A Functional and Structural Perspective	Victoria J. Hill, Richard C. Zimmerman: Assessing submerged aquatic vegetation blue carbon in The Chesapeake Bay from high resolution satellite imagery
3:30 PM	Shantanu V. Bhide, Stanley B. Grant, Ahmed Monofy, et al.: Addressing the sodium surge: An interactive model to inform management decisions in the Occoquan Reservoir	Vyacheslav Lyubchich, Ryan Woodland, Jeremy Testa, et al.: Using machine learning to develop models of habitat suitability for a range of benthic taxa in Chesapeake Bay	Aaron Porter: Monitoring water-quality response to urban-stream restoration in Fairfax County, Virginia	Jill M. Arriola, Raymond G. Najjar, Maria Herrmann, et al.: Seasonality of carbon and alkalinity export from a well-constrained brackish tidal marsh along the York River, Virginia
3:45 PM	Cameron Smith, Alan Leslie, Benjamin Beale, et al.: The Presence of Total Coliforms and E. coli In Maryland Farm Private Drinking Water Wells	Kim Van Meter, Victor Schultz, Shuyu Chang: Quantifying Groundwater Nitrate Storage in the Upper Mississippi River Basin: Implications for Chesapeake Bay Watershed management	Marina Metes, Zachary Clifton, Matthew Cashman: Tracking the downstream fate of dam-removal sediment pulses in the Patapsco River using lidar and streamgage data	Fei Da, Marjorie A.M. Friedrichs, Pierre St-Laurent, et al.: Controls on the carbonate system of a coastal plain estuary: rivers, tidal wetlands, and tidal cycles
4:00 PM	Joseph Delesantro, Thomas Butler: Estimating and projecting crop yields to inform watershed nutrient modeling	Alexander H. Kiser, Benjamin Gressler, Lindsey Boyle, et al.: Updating the Biological Assessments of Non-Tidal Streams in the Chesapeake Bay Watershed: Improvements, Challenges, and Lessons Learned	Claire Welty, Joel Moore, Daniel J. Bain, et al.: Use of synoptic baseflow sampling coupled with groundwater modeling to assess groundwater contamination of urban streams	Seyi Ajayi, Raymond Najjar, Emily Rivest, et al.: Relationship between benthic biomass and environmental conditions in Chesapeake Bay
4:15 PM	Jonathan Craig, Patricia Delgado, Stephen MacAvoy, et al.: Microplastic and Polycyclic Aromatic Hydrocarbons Concentrations in Patuxent River Watershed (Jug Bay Region), Maryland	Shuyu Y Chang, Doaa Aboelyazeed, Kamlesh Sawadekar, et al.: Dams, nutrients, and water quality in the Chesapeake Bay Watershed	James Webber: Evaluating Water-Quality Trends in Agricultural Watersheds Prioritized for Management-Practice Implementation	
4:30 PM		Larry Davis: Accessible Smart GI Health Monitoring	Rui Jin, Anand Gnanadesikan, Marie-Aude Pradal, et al.: Unraveling the CDOM Conundrum - The Interplay of Optics, Nutrient Loading, Productivity, and Hypoxia Dynamics in Chesapeake Bay	<i>*Special Presentation and Feedback Session*</i> Kevin Schabow NOAA's Role in the Chesapeake Bay Program: Reaching 2025 and Beyond
4:45 PM			Anand Gnanadesikan: What can the abundance of functional genes tell us about how to model Chesapeake Bay?	
5:00 PM	Poster Session, Reception, Guardian Award			
7:00 PM				

DAY 2 (June 11)				
Start time	Arundel A	Arundel B	Arundel C	Queen Anne Ballroom
9:00 AM	Panel Discussion (9:00-10:15) Beyond 2025: Visionary Paths in the Chesapeake Bay Restoration by the Next Generation			
10:15 AM	Break (10:15-10:30)			
10:30 AM	Panel Discussion (10:30-11:45) Advances in Coupled Natural and Human Systems Research, Understanding and Applications			
12:00 PM	Lunch (12:00-1:00)			
	<p>Session 9: <i>Water-quality patterns and trends in the Chesapeake Bay and its watershed: II. Novel analysis and scientific communication approaches to inform management</i></p> <p>Qian Zhang, Isabella Bertani, Kaylyn S. Gootman, John Clune</p>	<p>Session 11: <i>Tackling Ecosystem-Level Impacts from Rising Water Temperatures in the Tidal Waters of Chesapeake Bay</i></p> <p>Julie Reichert-Nguyen, Jamileh Soueidan, Bruce Vogt</p>	<p>Session 18: <i>Examining Chesapeake Climate Change Impacts With Advances in Monitoring, Assessment Analyses, and Fine Scale Models</i></p> <p>Lewis Linker, Joseph Zhang, Gopal Bhatt, Gary Shenk</p>	<p>Session 10: <i>Applications of remote sensing for water quality management</i></p> <p>Stephanie Schollaert Uz, Shelly Tomlinson</p>
1:00 PM	<p>Gary Shenk, Qian Zhang, Gopal Bhatt: The Chesapeake Bay TMDL indicator: Integrating monitoring and modeling information to assess progress toward nutrient reduction goals</p>	<p>Julie Reichert-Nguyen, Jamileh Soueidan, Bruce Vogt, et al.: Summary of the Tidal Waters Recommendations from the Rising Water Temperature STAC Workshop Report</p>	<p>Lew Linker, Joseph Zhang, Gopal Bhatt, et al.: Phase 7 Models of the Chesapeake Watershed, Estuary, and Airshed – Exploring Future Challenges of Climate Change and Growth</p>	<p>Samantha Smith, Stephanie Schollaert Uz, Dirk Aurin: Assessing Satellite Ocean Color Datasets in the Chesapeake Bay: A Comparative Study with AERONET-OC</p>
1:15 PM	<p>Olivia Devereux, Helen Golimowski: Explaining Changes in Nitrogen and Phosphorus Loads Using Land Management Practice Data and How These Data Can Indicate Where Practices Could Be Targeted in the Future</p>	<p>Jamileh Soueidan, Julie Reichert-Nguyen, Ronald Vogel: Linking Marine Heatwave Events to Living Resource Considerations to Indicate Potential Impacts to Fisheries</p>	<p>Gopal Bhatt, Isabella Bertani, Lewis Linker, et al.: Recent advances in the development of a fine-scale Chesapeake Bay watershed model for 2035 Climate Change Assessment</p>	<p>Michelle C. Tomlinson, Michelle C. Tomlinson, Elizabeth A. Staugler, et al.: Monitoring Harmful Algal Blooms, improving resolution through remote sensing and community scientists</p>
1:30 PM	<p>Keota Silaphone: An assessment of cover crop nitrogen efficiencies in the United States Coastal Plain Province, 1980 - 2022</p>	<p>Nathan P. Shunk, Piero L.F. Mazzini, Ryan K. Walter, et al.: Vertical Structure of Marine Heatwaves in Chesapeake Bay</p>	<p>Rashid Ansari: Analyzing Watershed Responses to Climatic and Land Use Changes: Implications for Flood Risk and Nutrient Dynamics in the Susquehanna River Basin</p>	<p>Xin Yu, Michelle C. Tomlinson, Jian Shen, et al.: Combining satellite imagery and numerical modeling to simulate <i>Margalefidinum polykrikoides</i> blooms in the York River estuary</p>
1:45 PM	<p>Isabella Bertani, Gopal Bhatt, Lewis Linker: Characterizing streamflow and constituent loads in the Chesapeake Bay watershed through parsimonious Bayesian modeling</p>	<p>Michael O'Brien, Ashlee Horne, Ian Park, et al.: Impacts on Atlantic sturgeon spawning phenology following heat waves and large storms</p>	<p>Andrew J. Miller, Mac S. Luu: Temporal trends in watershed-average precipitation and streamflow extremes in the Baltimore metropolitan area</p>	<p>Morgaine McKibben, Stephanie Schollaert Uz, Sherry Palacios: Testing a hyperspectral, bio-optical approach for identification of phytoplankton groups in estuarine waters</p>
2:00 PM	<p>Qian Zhang, Joel T. Bostic, Robert D. Sabo: Regional patterns and drivers of total nitrogen and total phosphorus trends in the Chesapeake Bay watershed: Insights from machine learning approaches and management implications</p>	<p>Jim Uphoff: Spawning season temperature conditions associated with the recent declines in year-class success of Striped Bass in Maryland spawning areas</p>	<p>Jaleel Shujath: Adapting Stormwater Management to Climate Change: Analysis of Extreme Rainfall Trends in the Chesapeake Watershed</p>	<p>Nima Pahlevan, William Wainwright, Akash Ashapure, et al.: STREAM – A satellite-based water-quality monitoring system for effective assessment of water quality</p>
2:15 PM	<p>Sam Miller, James Webber: Evaluating nitrogen concentration – discharge patterns from agricultural Chesapeake Bay watersheds to inform management actions</p>	<p>Andrew G. Keppel, Tom Parham, Jim Uphoff, et al.: Changes in summer habitat conditions for resident Chesapeake Bay striped bass determined from interpolated historic water quality data</p>	<p>Tori Tomiczek, Liliana Velásquez Montoya, Alex Davies, et al.: Sea Level Rise Monitoring and Modeling at the United States Naval Academy for Flood Resilience</p>	<p>David Parrish, Cassia Pianca, Carl Friedrichs, et al.: Exploring the Use of Dataflow Water Quality Monitoring Platform to Calibrate Multispectral Satellite Imagery to Estimate Surface Water Clarity and Turbidity</p>
2:30 PM	<p>Shuyu Y Chang, Qian Zhang, Nandita B Basu, et al.: Past trajectories and future horizons of water quality in the Chesapeake Bay reservoir system</p>	<p>Ron Vogel, Kim Couranz: Exploring the Effects of Anomalous Conditions in Tidal Water Column Habitat on Chesapeake Bay Species via Seasonal Summaries</p>	<p>Joseph Zhang, Jian Shen: Overview on the Phase 7 Main Bay Model</p>	<p>Suzanne Bricker, Varis Ransibrahmanakul, Katherine Okada, et al.: Can satellite data products or state monitoring program data be substituted for on-farm in situ data for Oyster Aquaculture Modeling?</p>

DAY 2 Continued				
2:45 PM	Sabrina Mehzabin, Kurt Stephenson, Daniel Fuka, et al.: Environmental and management impacts of legacy nitrogen remediation using bioreactors	Christopher J. Patrick, Marc Hensel; David Wilcox, et al.: Outlook Hazy, Please Try Again: Contrasting futures of Chesapeake SAV under different climate and nutrient management scenarios	Zhengui Wang, Joseph Zhang, Jian Shen: Progress on the development of Phase 7 Chesapeake Bay Water Quality Model	Peter Tango: Options and Opportunities with Advanced Water Quality Monitoring Using Remote Sensing: A Summary of a 2022 Chesapeake Bay Program Scientific Technical Advisory Committee Workshop
3:00 PM	Natalie Schmer, Hilary Dozier, John Clune, et al.: Science communication tools of surrogate regression modeling designed to meet stakeholder needs	Amanda Bevans: Modeling the Effects of Habitat Changes in the York River Ecosystem, Chesapeake Bay	Richard Tian, Zhengui Wang, Gopal Bhatt, et al.: Modeling Wave-driven Shoreline Erosion in the Corsica and Choptank Estuaries, Chesapeake Bay	
3:15 PM	Break (3:15-3:30)			
	Session 9 Continued	Session 16: <i>Future Scenarios for Agriculture and Environmental Outcomes in the Chesapeake Bay Watershed</i> David Abler, Lisa Wainger	Session 18 Continued	Session 7: <i>River Corridor Sciences and Management</i> Labeeb Ahmed, Marina Metes
3:30 PM	Kaylyn Gootman, Breck Sullivan, Alex Gunnerson: CBP Tributary Summaries: Communication tool on water quality changes to inform management decisions	Lisa A Wainger, Dave Abler: Co-developing future land use and management scenarios to explore resilience of agro-ecological systems under uncertainty	Kyle Hinson, Marjorie A.M. Friedrichs: Response of hypoxia to future climate change is sensitive to methodological assumptions	Dr. Robert Walter, Dr. Dorothy Merritts, Dr. Patrick Fleming, et al.: Legacies lost and found: Improving stream restoration practice and water quality policies
3:45 PM	Joseph Tamborski, Margaret Mulholland: Nutrient loading via submarine groundwater discharge to the lower tributaries of Chesapeake Bay	Edem Avemegah, Jessica D. Ulrich-Schad: Residents' Support for Varied Scenarios for Agricultural Systems in Urbanized Landscapes	Colin Hawes, Marjorie A.M. Friedrichs, Pierre St-Laurent: Projected impacts of climate-induced changes in the ocean, land, and atmosphere on mid-21st century Chesapeake Bay hypoxia	James Pizzuto: New Data On Mid-Atlantic Piedmont River Corridor Sediment Transport Processes From the mid-Holocene to the Present: Implications for Restoration and Management
4:00 PM	Michael Mallonee, Rikke Jepsen: Biological stream health in the Chesapeake Bay watershed	Kalra Marali, Raj Cibin: Impacts of cover cropping on soil and water ecosystem services in the Susquehanna River Basin	Julia Abrao Teixeira, Nicole Cai, Piero L.F. Mazzini, et al.: Connectivity, Distribution, and Fate of Microplastics from Mid-Atlantic Bight Estuaries: A Lagrangian Particle Tracking Approach	Zach Clifton: Hidden legacies: investigating a buried pre-colonial stream corridor in the Atlantic Coastal Plain, Maryland, USA
4:15 PM	David Secor: Advancing complex science and natural history in advocating for Maryland's only sturgeon population	Chenyang Hu, Darrell Bosch, Wei Zhang: Extensive vs. Intensive Margin Approach of N Load Reduction from Agriculture: Implications for Chesapeake Bay Watershed	Harry Wang, Jeremy Testa, Gopal Bhatt, et al.: Fine-scale Patapsco River Tributary Model for Simulating Effect of Sanitation Sewage Overflow under Climate Change Conditions	Dave Guignet, Eileen Gladd: Application of Geospatial Data in Flood Hazard Mapping
4:30 PM	Pierre St-Laurent, Marjorie A.M. Friedrichs: An Atlas for Physical/Biogeochemical Conditions in the Chesapeake Bay	Rashid Ansari: Enhanced Flood Adaptation and Nutrient Management: Integrated Modeling for Regional Sustainability	Qubin Qin, Jian Shen; Xun Cai, et al.: The transport and retention conditions in the middle-lower Rappahannock River	Gina Lee, Andrew Miller: Application of high-resolution remote sensing to support hydraulic modeling and measurement of velocity fields
4:45 PM	Rebecca Murphy, August Goldfischer, Jon Harcum, et al.: Spatial-temporal interpolation tool for dissolved oxygen in Chesapeake Bay	Jesse Bash, Chris Nolte, Daniel Loughlin, et al.: Impact of decarbonization scenarios on atmospheric nitrogen deposition to the Chesapeake Bay	Jian Zhao, Jiabi Du: Fine scale numerical simulations of the Choptank River in the Chesapeake Bay	Rohith A N, Cibin Raj, Alfonso Mejia: Development of a medium-range ensemble streamflow forecasting system for the Potomac River Basin
5:00 PM			Kenneth A Rose, Mark Monaco, Lee McDonnell, et al.: More Consideration of Living Resources in Chesapeake Bay Restoration: "Hail to CESR" or "CESR Salad"	Ollie Gilcrest: Hydrodynamics and Sediment Transport in the Tidally Influenced James River, VA
5:00 PM	Poster Session, Reception			
7:00 PM	Poster Session, Reception			

DAY 3 (June 12)				
	Arundel A	Arundel B	Arundel C	Queen Anne Ballroom
	<p>Session 17: <i>Co-designing solutions to support community resilience in the Chesapeake Bay Watershed</i></p> <p>Vanessa Vargas-Nguyen, Sidney Anderson, Lili Badri, Veronica Lucchese, Bill Dennison</p>	<p>Session 22: <i>How do we achieve Fishable, Swimmable Urban Waters?</i></p> <p>Efeturi Oghenekaro, Jennifer Keisman, Liz Chudoba</p>	<p>Session 20: <i>Harmful Algal Blooms impeding restoration in the Chesapeake Bay watershed: From the Shenandoah River to tidal Freshwater to Estuarine Waters</i></p> <p>R. Christian Jones, Margaret Mulholland, Rosalina Christova, Judy O'Neil</p>	<p>Session 23: <i>General: Estuarine and Watershed Processes</i></p> <p>Raleigh Hood</p>
9:00 AM	<p>Vanessa Vargas-Nguyen, Bill Dennison, Kameryn Overton: Applying the COAST Card Transdisciplinary Framework in the Chesapeake Bay Watershed</p>	<p>Allyson Kido, Eric Schott: Phytoplankton-Related Ecosystem Services of Bivalves in Baltimore Harbor</p>	<p>Sydney M. Brown, Jacob Mormando, Hannah Toney, et al.: Photosynthetic pigment concentrations and taxonomic composition of benthic algal mats from Shenandoah River, Virginia</p>	<p>Mary Polacek: Looking for a new approach on resident illicit sanitary connections-The DC Sanitary Sewer Correction Pilot project</p>
9:15 AM	<p>Claire Welty, Benjamin Zaitchik, Ken Davis, et al.: The Baltimore Social-Environmental Collaborative Urban Integrated Field Laboratory</p>	<p>Margaret R. Mulholland, Alfonso Macias Tapia, Peter Bernhardt: Nutrient loading to a lower Chesapeake Bay estuary during tidal flooding: a heretofore unconsidered nutrient load jeopardizing Bay restoration.</p>	<p>Rosalina Stancheva Christova, S. Brown, A. Sohrab, et al.: Effect of different batch culture conditions on toxin production and growth of the riverine cyanobacterium <i>Microcoleus anatoxicus</i></p>	<p>Sarah Preheim: Major trends, gene-gene relationships, and environmental correlates of spatiotemporal shifts in the distribution of genes in Chesapeake Bay</p>
9:30 AM	<p>Lili Badri, Vanessa Vargas-Nguyen, Bill Dennison, et al.: Enhancing Socio-Environmental Assessments through Community Listening Sessions in the Potomac Watershed</p>	<p>Jim Uphoff: Managing expectations for fishable urban Chesapeake Bay waters</p>	<p>K.G. Sellner, D. Ferrier, K. Capiella, et al.: Internal nutrient loading, the new climate, and cyanobacteria in four Linganore lakes, western Maryland</p>	<p>Gabrielle Ripa: Non-native plant invasion of stream restoration projects on the Chesapeake Bay watershed</p>
9:45 AM	<p>Leah Staub, Andrew Sekellick, Tristan Mohs: Assessing water quality conditions in vulnerable communities in the Chesapeake Bay watershed</p>	<p>Teresa Rodriguez: Urban Fishing; Connecting Diverse Audiences to Aquatic Resources</p>	<p>Judith M. O'Neil, S. Keller, C. Gurbisz, et al.: Growth of the cyanobacterium <i>Microseira (Lyngbya) wollei</i> in Submerged Aquatic Vegetation beds on Susquehanna Flats</p>	<p>Jeffrey Cornwell, Michael Owens, Lorie Staver, et al.: Provision of Nutrient Ecosystem Services By Maryland Tidal Wetlands</p>
10:00 AM	<p>Alisha Yee Chan: Displacement of Racially and Ethnically Minoritized Groups after the Installation of Stormwater Control Measures</p>	<p>Abby Hileman: Keeping It Fresh: The Salt Watch Community Science Initiative</p>	<p>R. Christian Jones, Hannah Toney: <i>Microseira wollei</i> Studies in the Tidal Occoquan River in 2023: Growth, Toxin Production, and Epiphytes</p>	<p>Carl Cerco: The Influence of Submerged Aquatic Vegetation on Chesapeake Bay Dissolved Oxygen Concentration</p>
10:15 AM	<p>Veronica Malaban Lucchese: Tackling inequity: web scraping for social network analysis on the Patuxent River Watershed</p>	<p>Maya Sterett, Maureen Mitchell: Encouraging informed recreation through DC citizen science water quality data</p>	<p>Mary LePere, Dr. Victoria Hill: Using Planet Satellite Imagery to Map and Quantify Harmful Algal Blooms in Chesapeake Bay Tributaries</p>	<p>Amanda Small: Strategies and resource needs for adapting Maryland's fisheries management structure to climate change</p>
10:30 AM	Break (10:30-10:45)			

DAY 3 Continued

10:45 AM	Nazia Nowshin, Jaleel Shujath, Medyaf Al Rousan, et al.: Sustainable Urban Agriculture in the Chesapeake Watershed: The Triple-Yield System	Dongmei Alvi, Amir Sharifi: Microbial source tracking to improve water quality in Rock Creek River	Richard Hale, Adriana Amrhein, Amber Tymul, et al.: Linking sediment resuspension to harmful algal blooms in the lower Chesapeake Bay	Jiangtao Xu: Update on NOAA's New Operational Forecast System for the Northeast US
11:00 AM	Adrienne Hobbins: Data-driven decision making: a Central Pennsylvania case study on delisting agriculturally impaired streams and improving ecosystem resilience	Trevor Needham: Evaluation of high frequency fecal indicator bacteria sampling to forecast swimmable conditions in Urban Waters	Adriana Amrhein, Rip Hale, Margaret Mulholland, et al.: How wind-induced sediment resuspension influences harmful algal blooms within a shallow tidal tributary of the Chesapeake Bay	
11:15 AM	Tom Ihde: Reflecting on the paradigm – is the science community able to provide the necessary information to rigorously evaluate the benefits of living shoreline implementations?	Alicia Ritzenthaler, Jonathan Champion, Noline Shulterbrandt: MAPS: Making the Anacostia and Potomac Swimmable	Dante M. L. Horemans, Marjorie A. M. Friedrichs, Pierre St-Laurent, et al.: Unraveling environmental factors controlling harmful algal blooms in the Chesapeake Bay using generalized linear models	
11:30 AM	John Wolf: Virtual Crisfield – Climate Communication and 3D Visualization	Dr. Eric Schott, Allison Blood: This is how we swim in the Baltimore Harbor, this summer.	Margie Mulholland, Eileen Hofmann, Peter Bernhardt, et al.: Enhanced surveillance to improve HAB monitoring and detection: Toward an early warning system for HABs in the lower Chesapeake Bay	
11:45 AM	Sidney Anderson: Creating a Community Vision to Enable Lasting Change	Lorena Kowalewski: DC BMP and EJ Screen Analysis		
12:00 PM	Bryan Bay: A Resilient South County			
<p>CRC Roundtable Live from the Symposium (12:00-1:00PM) UninHABitable: Harmful Algal Blooms Across the Watershed</p>				