

MAY 15-18, 2022 | NORFOLK, VIRGINIA

A National, Multidisciplinary Conference on Saving Historic Structures and Neighborhoods in the Face of Rising Tides





### **KEEPING HISTORY ABOVE WATER: NORFOLK 2022**

MAY 15-18, 2022 THE CHRYSLER MUSEUM OF ART

#### INFORMED COMMUNITIES CHARTING SOLUTIONS

Hosted by the Norfolk Preservation Collective, the City of Norfolk's Office of Resilience, and ODU's Institute for Coastal Adaptation and Resilience

"Norfolk is a historic city on the water. For 400 years, the city has been a key part of America's history, commerce, and innovation. We are known for resilience — surviving wars, a plague, hurricanes, and social upheaval. Time and again, we reinvent and rebuild ourselves. We recognize the challenges before us and are addressing them head-on with a conviction and passion that is unique to the people who make Norfolk home today."

#### - CITY OF NORFOLK OFFICE OF RESILIENCE

As the home of the world's largest naval base and George Washington's last remaining, harbor fort (ca. 1794), Norfolk, Virginia has a maritime heritage integral to its economy and its historic significance. The City of Norfolk's **VISION2100** predicts that the number of properties located in high-risk flood zones will double or triple by year 2100. While Norfolk and the greater Hampton Roads area have consistently made headlines for the region's vulnerability to recurrent flooding, organizations in the region are at the forefront of research, policy-making, and implementing solutions.

Keeping History Above Water®: Norfolk will expand the conversation around adaptation, resilience, and solutions to the impacts of sea-level-rise, recurrent flooding, and climate change on historic resources discussed at previous conferences. Sessions will explore the theme "Informed Communities Charting Solutions," and foster a collaborative and interdisciplinary discussion focused on implementing practical solutions, overcoming hurdles, and preserving communities in the process.

This is the ninth iteration of *Keeping History Above Water*, and is being hosted by the **Norfolk Preservation Collective**, the City of Norfolk's **Office of Resilience**, and Old Dominion University's **Institute for Coastal Adaptation and Resilience**, in partnership with **Newport Restoration Foundation**.



# SUNDAY, MAY 15<sup>™</sup>

12:00 PM-2:00 PM Building Resilient Solutions Materials Testing Lab Open House

Conference participants are invited to tour the BRS lab located at 147 North Main Street in Suffolk, Virginia. Participants must provide their own transportation to and from Norfolk.

2:00 PM-3:30 PM Check-in at the Sheraton Waterside

3:45 PM Check-in begins at the Basilica of Saint Mary of the Immaculate Conception

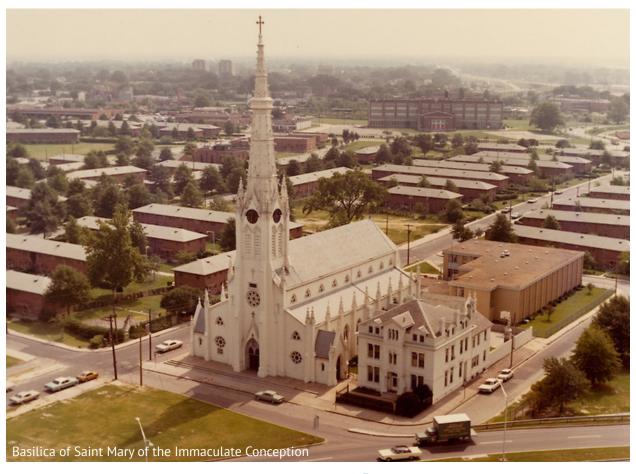
232 Chapel St, Norfolk, VA 23504 for Conference Attendees

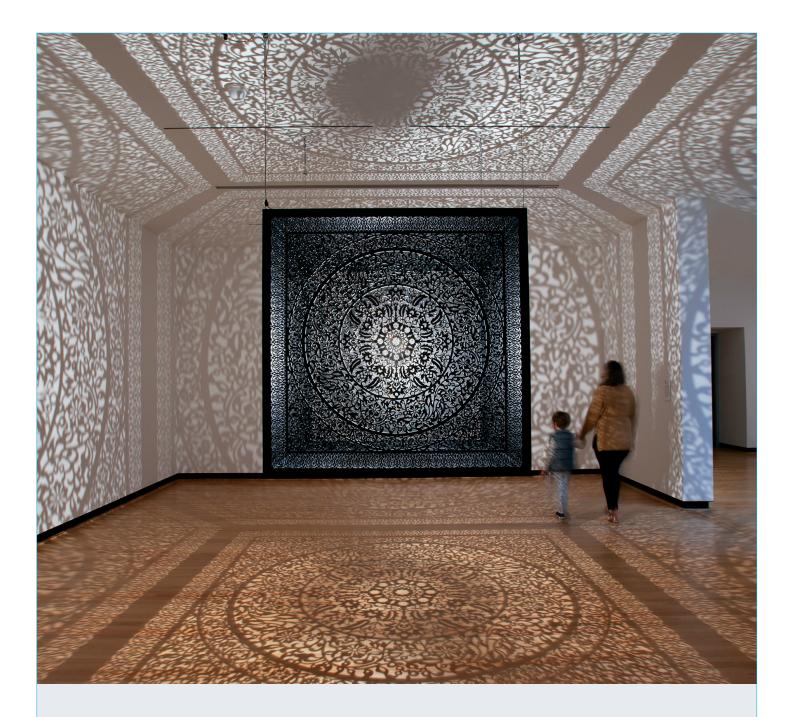
4:00 PM-5:30 PM Living with Water: Charting Solutions in a Resilient City

Opening Plenary, Basilica of Saint Mary of the Immaculate Conception, 232 Chapel St, Norfolk, VA 23504

A panel consisting of a local historian, Norfolk resident, and urban design expert will discuss Norfolk's history of resilience and dependency on its shoreline, the everyday experiences of living with water, and the opportunities for solution-driven design that preserves our community for future generations. Conference attendees and local residents are invited to attend.

Panelists include Dr. Cassandra Newby-Alexander, Norfolk State University; Ms. Karen Speights, Resident of Chesterfield Heights neighborhood in Norfolk; and Mel Price, Principal, Work Program Architects. Doug Smith, Hampton Roads Alliance, will moderate the panel.





# Always changing. Always free.

From ancient artifacts and works by the modern masters to Tiffany glass, you can travel the world without leaving Hampton Roads.



Anila Quayyum Agha (Pakistani- American, born 1965), *All the Flowers Are for Me (black)*, 2019, Laser cut lacquered stainless steel and bulb, Museum purchase, 2020.31

# MONDAY, MAY 16<sup>TH</sup>

8:30 AM Check-in at The Chrysler Museum of Art

1 Memorial Place

Breakfast pastries and coffee served 8:30-9:00 AM

9:00 AM Opening Remarks and Introductions in Kaufman Theater

Kayla Halberg, Norfolk Preservation Collective Mark Thompson, Newport Restoration Foundation

All Conference Sessions will be located in the Kaufman Theater unless otherwise noted.

9:30 AM Local and Regional Resilience in Hampton Roads

The Hampton Roads area of Virginia is known nationally and internationally for its progress on coastal resilience and adaptation for over a decade. The City of Norfolk is one of the original Rockefeller Foundation's 100 Resilient Cities, and received an award through HUD's National Disaster Resilience Competition, but Norfolk is far from alone in its progress on resilience initiatives. The City of Portsmouth, Virginia, is pursuing resilience efforts that improve community health and well-being. Regionally, the Hampton Roads Planning District Commission provides coastal resilience policy guidance and technical support throughout its 17 member localities. On this panel, local and regional resilience officers and managers will present on the status of building resilience efforts and initiatives in the Hampton Roads region, followed by a panel discussion about the unique challenges of the area, future priorities, and solutions that are being implemented in their communities.

Session will be moderated by Jessica Whitehead, Executive Director of ODU's Institute for Coastal Adaptation and Resilience. Panelists include: Kyle Spencer, Acting Chief Resilience Officer, City of Norfolk; Gina Harris, Chief Resilience Officer, City of Portsmouth; and Ben McFarlane, AICP, CFM, Resiliency and Coastal Zone Management, Hampton Roads Planning District Commission.

10:45 AM BREAK

11:00 AM Jamestown: Protecting Our Nation's Shared Past Against an Uncertain Future

Elizabeth Kostelny, Preservation Virginia; Dr. James Horn, David Givens, James E. May, and Michael Lavin, Jamestown Rediscovery

Jamestown Island is the location of the first permanent English settlement in North America and the former land of the Paspahegh Indians at the onset of colonization. Over a quarter of a century of archaeology has revealed an entangled narrative of First Peoples, First English, and First Africans. Preservation Virginia and the Jamestown Rediscovery Foundation, in conjunction with the Colonial National Historical Park, National Park Service, has begun an island-wide resiliency plan to address climate change and sea-level rise. This panel discussion will address the documentation of sea-level rise and climate change, the development of tools to evaluate the rising water and recurrent inundation, and engineered mitigation strategies. In addition, the panel will address the importance of collaborative efforts, involving state-wide and national initiatives to highlight the vital importance of taking action now. Ultimately, it is anticipated that strategies put in place to save Jamestown will become a model for the mitigation of cultural sites at imminent risk elsewhere in the US.

#### MONDAY, MAY 16TH CONTINUED

#### 12:00–1:30 PM Conference Luncheon Address in Huber Court

Erik H. Neil, Director and CEO of the Chrysler Museum of Art

Erik H. Neil came to the Chrysler Museum of Art in 2014. As director, he has reaffirmed the strong community focus of the institution with public programs and outreach and revitalized the exhibition program. The Chrysler has also enjoyed significant advancements in digital technology and diversity under Neil's leadership. Director Neil will discuss current initiatives to prepare the Museum and its collections for climate change, and to bring climate-focused exhibitions to Norfolk.

#### 1:45 PM Water Has a Memory: Connecting our Past to our Present and Future

Rodney Rowland, Strawbery Banke Museum

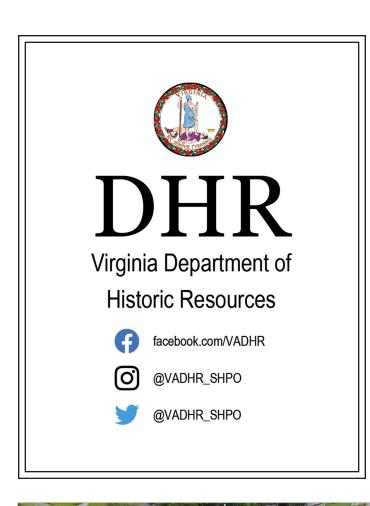
Strawbery Banke is, like many cultural sites, dealing with flooding issues that threaten the very historic structures they are committed to preserving. This presentation will review the museum's response to this threat, our Sea Level Rise Initiative. The primary focus will be on the mitigation and adaptations strategies being planned and the Museum's outreach and educational programs, which are so critical if organizations and communities dealing with this problem are going to help each other.

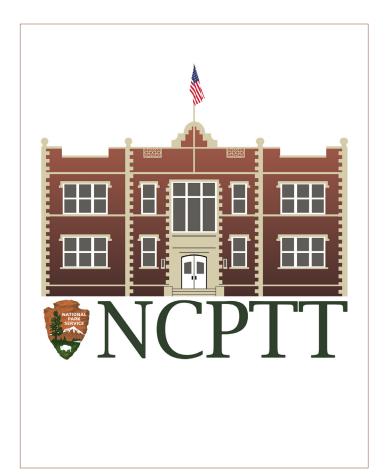
#### 2:40 PM Resilience and Relevance: A Whole Community Approach to Climate Adaptation Planning

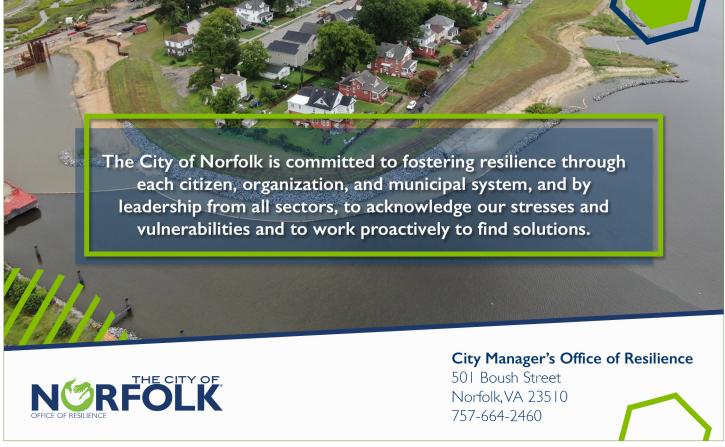
Lisa Craig, The Craig Group and Keri Ragland, County of Orange, VA

Contracted to develop the Cultural Resource and Community Profile chapters of the Hazard Mitigation Plan for New Bern, North Carolina, The Craig Group had significant findings regarding the City's diversity and inclusion and how future adaptation strategies could affect the African American community. During its earliest colonial era, the city was populated by a predominantly black community serving as artisans and builders of the colonial capital. Most of the black community today has been displaced and pushed north and west of the city, away from the hub of historic downtown due to disaster mitigation. Findings of the Hazard Mitigation Plan also indicate many areas of the African American community are in danger of flood inundation, which exacerbates the need to swiftly identify, document, preserve and tell the story of New Bern's diverse history. In addition to identifying cultural spaces and places of significance outside of the traditional historic district, The Craig Group emphasizes the need for "whole community" public awareness, education and engagement as a mitigation strategy to include all racial perspectives.

#### 3:40 PM BREAK







#### MONDAY, MAY 16TH CONTINUED

3:55-5:00 PM

Working with Nature for Cultural Resource Protection: Wave Attenuators at Brunswick Town / Fort Anderson State Historic Site

Jim McKee, BTFA Site Superintendent, Dr. Mary Beth Fitts, NC Assistant State Archaeologist, Stephen Atkinson, NC Assistant State Archaeologist — Underwater, and Ramona Bartos, NC Deputy SHPO

Located 15 miles south of Wilmington, North Carolina, on the Cape Fear River, Brunswick Town / Fort Anderson (BTFA) State Historic Site was a major colonial naval stores port. In 1776, Brunswick was abandoned and never fully recovered. Civil War-era Fort Anderson was constructed atop the ruins for maritime defense and quarantine station for blockade runners. Shoreline erosion at BTFA has accelerated at an unprecedented rate, threatening in situ Colonial-era wharves and Civil War-era batteries. Several recent hurricanes also damaged BTFA. This panel will discuss remediation efforts and installation of the Reefmaker wave attenuator system to stem erosion, protect historic resources, and promote the natural habitat. This session will also discuss the collaborative effort among permitting agencies, academic institutions, and federal agencies (NPS, NOAA, USFS, US Army Corps of Engineers, US Fish and Wildlife Service).

### TUESDAY, MAY 17<sup>TH</sup>

8:30 AM

Check-in at The Chrysler Museum of Art

1 Memorial Place

Breakfast pastries and coffee served 8:30-9:00 AM

**9 AM** 

Working with Federal Agencies Before and After Disaster

Brian Lusher, National Endowment for the Arts, Valerie Gomez, Training and Mentor Specialist, FEMA, Seth Tinkham, Historic Preservation Fund Disaster Grant Program, NPS, and Jennifer Wellock and Ryan Potosnak, National Cultural Resources Recovery Support Function

This presentation will provide participants with an orientation to the post-disaster technical and financial resources available to State Historic Preservation Offices, Tribal Historic Preservation Offices, Certified Local Governments, and other interested groups. Participants will receive a copy of a new guidance document and have the immediate opportunity to practice applying the guidance document. Participants will leave with a clear sense of who the right people are to assist with cultural resources during post-disaster recovery operations.

10:15 AM

**BREAK** 



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# WPA supports coastal resilience for EVERYONE



Through our design work, we are proud to support both the Elizabeth River Trail and the Elizabeth River Project's Pru and Louis Ryan Resilience Lab where homeowners, business owners, and contractors can learn how to build a resilient future.

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#### TUESDAY, MAY 17TH CONTINUED

#### 10:40 AM

National Park Service: Introducing the Climate, Science, and Disaster Response Program

This panel will include representatives from the National Park Service to introduce the new Climate, Science and Disaster Response Program.

Climate, Science, and Disaster Response Action Plan Jeneva Wright, Archaeologist for Climate Change

**Guidelines for Flood Adaptation for Rehabilitating Historic Structures** *Jennifer Eggleston, Chief of Staff, Cultural Resources Partnerships, and Science* 

Integrated Approach to Cultural Resource Survey, Digital Documentation, and 3D Sea Level Rise Modeling

Morris "Marty" Hylton III, Historic Architect for Climate Change

#### 11:55 AM-1:30 PM

#### **LUNCH BREAK**

Boxed lunches provided in Education Workshop

Boxed lunches may be picked up in the Education Workshop. Lunches may be eaten in the Education Workshop, Gifford Room, Hubert Court, or outside in the Memorial Garden or Mary's Garden.

#### 1:45 PM

#### Testing the Flood Resiliency of Traditional Materials

Paige Pollard and Kerry Shackleford, Building Resilient Solutions and Jenny Parker, National Park Service

In addition to their aesthetic value and construction quality, traditional building materials are inherently resilient to repetitive inundation due to flooding. Yet, the current emphasis on flood resiliency adaptation is on new construction techniques and materials, while in Norfolk, for example, the existing built environment vastly exceeds new construction opportunities. This joint presentation will discuss the separate but related efforts currently ongoing by the National Park Service (NPS) and Building Resilient Solutions (BRS) to test the resilience of historic building materials. The NPS, in partnership with the Engineer Research and Development Center Construction Engineering Research Laboratory (ERDC-CERL), will report on two completed rounds of submersion tests on a variety of commonly used traditional materials. BRS has constructed the first dedicated lab in the US for testing the resiliency of traditional materials and techniques during and after inundation and will present up to date findings of their ongoing data analysis.

#### 3:00 PM

**BREAK** 

#### TUESDAY, MAY 17TH CONTINUED

3:15-4:30 PM

Resiliency & Relief: Exploring Floodplain Ordinance Exemptions for Historic Structures and Community Resiliency

Ashlen Stump, Commonwealth Preservation Group and Peter Johnston, Work Program Architects

As rising waters increasingly impact our built environment, architects and preservationists are faced with ethical questions, liability concerns, and design challenges relating to the rehabilitation of historic buildings within Special Flood Hazard Areas. This session will explore FEMA's exemption and variance opportunities available to provide relief to historic structures through local floodplain ordinances. The session will also explore the relationship and impacts of these relief options on a community's Community Rating System (CRS) Rating and individual property owner requirements under the National Flood Insurance Program (NFIP). This session will also explore the policies and procedures that provide relief opportunities for historic structures in Special Flood Hazard Areas, the red-tape associated with them, and adaptation, mitigation, and resilience strategies that can be employed while utilizing these relief opportunities.

# WEDNESDAY, MAY 18TH

8:30 AM Check-in at The Chrysler Museum of Art

1 Memorial Place

Breakfast pastries and coffee served 8:30-9:00 AM

9:00 AM Introductory Remarks

9:30 AM The RISE Model: Using Innovative Solutions to Preserve the Past and Build a Resilient Future

Paul Robinson, RISE, Shereen Hughes, Wetlands Watch, and Timothy Stromberg, InfraSGA

Coastal communities, both rural and urban, are increasingly vulnerable to sea level rise and more frequent and intense weather events. How can these communities build environmental and economic resilience in the face of these threats while preserving the architectural integrity of historic buildings and land? In this session participants will learn how the RISE Challenge model can be used to source innovative adaptation and mitigation solutions to the impacts of sea-level-rise, recurrent flooding, and climate change on historic resources, accelerate businesses in the coastal resilience sector, drive local workforce development, and help cities plan future projects. RISE will show how this model can be used to target very specific problems and source workable and economically viable solutions. The panel presentation will feature RISE Executive Director, Paul Robinson, and a Q&A with recent RISE businesses piloting projects in the coastal Virginia region.

10:30 AM BREAK



# INSTITUTE FOR COASTAL ADAPTATION & RESILIENCESM





MARATHON DEVELOPMENT GROUP





NORFOLK HISTORICAL SOCIETY



ROBYN THOMAS
ARCHITECTURE





#### 10:45 AM Integrated Climate Resilience Planning: Identifying Opportunities to Meet Common Goals

Stephanie Hanses, Brown and Caldwell

Funding limitations are a common thread across municipal departments; interdepartmental coordination to identify shared goals while also sharing costs helps increase capacity of local governments. Climate resilience projects in particular provide opportunities to more quickly fund, study, design, and construct projects that cross-sector benefits that also increase community resilience. This presentation will provide an overview of various case studies from local and national communities.

# 11:35 AM The Elizabeth River Trail as Storyteller, Flood Mitigation Tool, and Coastal Resilience Asset for Norfolk's Historic Working Waterfront

Mel Price, Work Program Architects, Liz Scheessele, Timmons Group, Ryan Bouma, Urban Land Institute, and Kindra Greene, Elizabeth River Trail

The Elizabeth River Trail is a historically significant, recreational, social, and educational destination that improves environmental awareness, neighborhood connectivity, and innovative economic development in Norfolk. This presentation will discuss the findings of an Urban Land Institute study of the ERT as a place for community recreation, historic preservation, and coastal resilience. The panel will provide an overview of the ERT's Green Infrastructure initiatives that help preserve the city's historic shoreline, as well as the neighborhoods adjacent to the trail.

#### 12:15 PM Closing Remarks

#### 1:00 PM Break for Lunch and Tours

Boxed lunches will be provided and can be picked up in the Education Workshop. For bus tours, please grab your boxed lunch and meet your tour bus at the specified time below. For all other tours, please enjoy your lunch in the Education Workshop, Huber Court, Gifford Room, our outside in the Memorial Garden or Mary's Garden. Then meet at your tour site at the time specified below.

All guests should exit out the main entrance on Wednesday afternoon.

### **WEDNESDAY AFTERNOON TOURS**

TOUR OPTIONS INCLUDE:



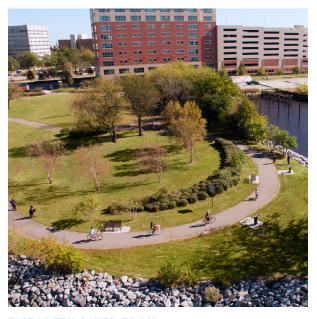
#### CHRIST & ST. LUKE'S EPISCOPAL CHURCH

#### **MEET AT CHURCH AT 2:30PM**

The c. 1909 Gothic Revival church building is located just North of the iconic, crescent-shaped Hague. Church leaders will discuss the congregation's resilience planning efforts, as well as the recent restoration of the historic church building.

This tour is located approximately .5 mile from the Museum, and will require an 8–10 minute walk through the lovely Ghent neighborhood. Transportation will not be provided for this tour.

Tour participants should wear closed-toe shoes, long pants, and long sleeves as this is an active construction site.



#### ELIZABETH RIVER TRAIL

# MEET ON WATER SIDE OF SHERATON HOTEL AT 2:30PM

The Elizabeth River Trail is a 10.6 mile urban trail that follows the historically significant working waterfront of Norfolk. The trail serves as a recreational, social, and educational destination that improves environmental awareness, neighborhood connectivity, and innovative economic development in Norfolk. This tour will be an extension of the ERT conference presentation, and will highlight projects discussed during the session.

The ERT tour will require several miles of walking/biking. Transportation will not be provided. Several Tide stations are located near the trail.



#### OHIO CREEK WATERSHED PROJECT

# CATCH BUS IN FRONT OF THE CHRYSLER MUSEUM OF ART AT 1:30PM

The Ohio Creek Watershed Project, awarded \$112 million in federal grant funding, to address recurrent tidal and precipitation funding in the historic African American neighborhoods of Grandy Village and Chesterfield Heights. The project utilizes various landscape, hardscape, natural, and engineered solutions to improve flooding, public access to the waterway, and connections to the rest of the city. A critical component of the project's green infrastructure plan is the creation of a Resilience Park, which is intended to serve as a model for open space planning in coastal communities.

This tour will require bus/van transportation, and will be limited to the first 20 registrants.



#### JAMESTOWN REDISCOVERY/ HISTORIC JAMESTOWNE

#### MEET AT JAMESTOWN AT 3:00PM (CARPOOLERS MEET IN GLASS STUDIO PARKING LOT AT 1:30PM)

This tour will take participants to Historic Jamestowne, and will be an extension of the topics discussed during the conference session. This tour will require bus/van transportation, and will be limited to the first 20 registrants. Jamestown is located 1-1.5 hours from downtown Norfolk. The commute requires crossing the mouth of the James River, using routes that are routinely congested during rush hour (roughly 2pm-7pm in Hampton Roads). Guests can expect to arrive back in Norfolk after 5:00 PM. Please take this into consideration and plan your travel and hotel arrangements accordingly.



# A LOOK AT ADAPTATION AND RESILIENCE IN NORFOLK

# CATCH BUS IN FRONT OF THE CHRYSLER MUSEUM OF ART AT 1:30PM

On this tour participants will visit three sites in the city of Norfolk to learn about adaptation, mitigation, and resilience projects that have been implemented. Guides will discuss the successes and challenges of the variety approaches, as well as the parcel-level and project-specific considerations. The tour will also highlight the various ways in which projects were funded, including Federal grant funds, Historic Rehabilitation Tax Credits, and private property owner investment.

This tour will require bus/van transportation, and will be limited to the first 20 registrants.



#### FORT NORFOLK

#### **MEET AT FORT NORFOLK AT 2:30PM**

Fort Norfolk is the last remaining of 19 harborfront forts authorized by President George Washington in 1794. Representatives of the Norfolk Historical Society will give an overview of the history of the site.

Tour Norfolk is located approximately 1 mile from the Museum, and will require a 15-20 minute walk, or a short walk to and from the nearby Tide stations.



# GROUNDBREAKING CEREMONY: ELIZABETH RIVER PROJECT'S RYAN RESILIENCE LAB

# CATCH GROUP PEDAL BIKE AT 2:00PM (OR MEET ON SITE AT 2:30PM)

Tour participants are invited to attend the groundbreaking for the non-profit Elizabeth River Project's Ryan Resilience Lab, the first facility on the East Coast to represent intentional re-development in the urban flood plain for the purpose of demonstrating resilience to sea level rise, for both the ecosystem and humans. Facing onto one of Norfolk's fastest growing commercial corridors but also Knitting Mill Creek, a tributary of the Elizabeth River, the grounds of the center will become a Learning Park with a living shoreline and changing displays of research with area universities and other partners.

Please note, participants will bike on group pedal (waiver required) to the Lab location, or will require their own transportation.



# CHRYSLER MUSEUM SPECIAL EXHIBITION GALLERY TOUR

#### **MEET IN HUBER COURT AT 2:30PM**

Meet Chrysler Museum Staff at Huber Court to take a guided-tour of the special exhibitions FloodZone and Waters Rising: A View from Our Backyard. FloodZone is Miami-based artist Anastasia Samoylova's photographic account of the effects of sea-level rise and climate change along South Florida's receding shoreline. Waters Rising was created in partnership with ODU's Institute for Coastal Adaptation and Resilience (ICAR) and explores research undertaken by ICAR to strengthen coastal resilience in Hampton Roads.

### SPEAKER BIOS

Living With Water: Charting Solutions in a Resilient City



Dr. Cassandra Newby-Alexander, Norfolk State University

Dr. Cassandra Newby-Alexander is the Dean of the College of Liberal Arts, professor of history, and emeritus director of the Joseph Jenkins Roberts Center for African Diaspora

Studies at Norfolk State University. Her book publications include Virginia Waterways and the Underground Railroad (2017), An African American History of the Civil War in Hampton Roads (2010), co-authored Black America Series: Portsmouth (2003), Hampton Roads: Remembering Our Schools (2009), and co-edited Voices from within the Veil: African Americans and the Experience of Democracy (2008). Dr. Newby-Alexander has appeared on a number of national programs and documentaries including PBS's Many Rivers to Cross, the History Channel's Race, Slavery and the Civil War, and C-SPAN's broadcasts on history.



Ms. Karen Speights, Resident of Chesterfield Heights

Karen is a Norfolk native and resident of Chesterfield Heights. Her home is located in a flood prone area and she experienced first hand the challenges associated with

recurrent flooding. She is dedicated to staying in her home with her mother as long as possible. She has worked with local historic preservation experts to analyze the conditions specific to her property, and implement appropriate retrofits to make living with water more manageable. Her story has been featured in local productions, by Preservation Virginia, and in *The New York Times*.



Mel Price, Work Program Architects

Mel is Principal and co-founder of Work Program Architects. Formed in 2010, WPA is an architecture and urban design practice located in Norfolk, Virginia. A key

focus of WPA's work is placemaking in urban areas, sea level rise and coastal resilience design. She specializes in community outreach, always finding a way to bring polarized and highly charged groups of stakeholders to common ground where good design and development is embraced by the community. She is a graduate of the University of Notre Dame School of Architecture and is the past-Chair of the AIA National Small Firm Exchange.



Doug Smith, Hampton Roads Alliance

Doug joined the Hampton Roads Economic Development Alliance as President & CEO in September of 2019. He oversees the staff of business development.

business intelligence and marketing professionals and leads the operations of the region's economic development organization that represents 14 municipalities and over 70 private sector investors. Smith and the entire Alliance staff work closely with the state and local governments and the private sector to assist international and domestic companies with investment projects, expansions and relocations. Doug is a native of Portsmouth, and has lived and worked in Hampton Roads for the majority of his life. He has previously served as City Manager for the City of Norfolk, Deputy City Manager in the City of Virginia Beach, and as Deputy City Manager, Chief Plans and Policy Officer, and Economic Development Director in the City of Portsmouth. He also served on Portsmouth City Council for four years. In the private sector, Smith served as President & CEO of Kaufman & Canoles Consulting and First Union Bank (now part of Wells Fargo). He held previous positions as Chair of the Urban Land Institute (ULI) of Hampton Roads and Chair of Future of Hampton Roads.

Smith is a graduate of Norfolk Academy and earned a B.A. in History from the University of Virginia. He and his wife Linda reside in Norfolk with their two children.

# Jamestown: Protecting Our Nation's Shared Past Against An Uncertain Future



#### Elizabeth Kostelny, CEO, Preservation Virginia

Elizabeth is the CEO of Preservation Virginia, the nation's oldest statewide historic preservation nonprofit that works to ensure the relevancy of the

Commonwealth's historic places. With over 30 years of experience at Preservation Virginia, she oversees the multifaceted and impactful nature of advocacy programs, six landmark sites, and partnerships with other organizations. Under her leadership, Preservation Virginia has embraced a holistic approach to saving places connected to Virginia's diverse and complex history.



#### Dr. James Horn, President and Chief Officer, Jamestown Rediscovery

Distinguished historian James Horn has been with Preservation Virginia for 12 years and was the principal force behind

the establishment of the Jamestown Rediscovery Foundation. Dr. Horn oversees the ongoing archaeological fieldwork, collections, development, educational programs, and operations at one of our nation's most recognized historic sites. As President, his primary focus is ensuring the continued success and resiliency of Historic Jamestowne.



#### David M. Givens, Director of Archaeology, Jamestown Rediscovery

David is the Director of Archaeology for the Jamestown Rediscovery project. Mr. Givens was raised on a farm in Blacksburg, Virginia, where

his passion for archaeology started at age fourteen. After attending Virginia Commonwealth University, he began a career in historical archaeology in the Chesapeake region. Working with the Rediscovery program from the onset, David joined the Jamestown team in 2001 as a full-time staff member.



#### Jamie E. May, Director of the Voorhees Archaearium Museum

Jamie is the Director of the Voorhees Archaearium Archaeology Museum at Jamestown. An archaeologist with over thirty years of

professional experience in archaeology, graphic arts, and museums, she gained experience working on a significant number of 17th and 18th-century sites, including several early fortifications, quarters for enslaved workers, and a contact period late Woodland Indian Village before coming to Jamestown Rediscovery in 1994.



#### Michael Lavin, Director of Collections and Conservation, Jamestown Rediscovery

Michael is the Director of Collections and Conservation for the Jamestown Rediscovery project. Mr. Lavin is a

lifelong resident of Williamsburg and attended the Christopher Newport University and the College of William and Mary, where his father taught. Currently, Mr. Lavin leads the Jamestown seawall restoration project and the landside water mitigation study on Preservation Virginia's 22.5 acres. Michael has been a Rediscovery full-time staff member since 1995.

#### **Conference Luncheon Address**



# Erik H. Neil, Director and CEO of the Chrysler Museum of Art

Erik came to the Chrysler Museum of Art in 2014. As director, he has reaffirmed the strong community focus of the institution with public programs and outreach

and revitalized the exhibition program. The Chrysler has also enjoyed significant advancements in digital technology and diversity under Eric's leadership.

Eric has been leading museums for more than 20 years and was first named director of Newcomb Art Gallery of Tulane University in 1999. Earlier in his career, he was an active curator and worked with many notable artists, including James Turrell, Carrie Mae Weems and Tony Oursler. He has also published books and essays in the History of Architecture, the History of Photography and Contemporary Art. He holds bachelor's, master's and doctoral degrees from Princeton and Harvard Universities and has been awarded numerous grants and fellowships from institutions such as the Getty Leadership Institute, the Mellon Foundation, Dumbarton Oaks and the Canadian Centre for Architecture. The breadth of his artistic interests, collaborative approach to work and leadership and ability to build community have cemented the Chrysler Museum as a forerunner in the museum world.

Water Has A Memory: Connecting Our Past to Our Present and Future



Rodney Rowland, Strawbery Banke Museum

Rodney is the Director of Facilities and Environmental Sustainability for Strawbery Banke Museum. For over 30 years he has worked on projects to help this unique

institution grow, prosper and protect the 9-acre site and 32 historic buildings under its stewardship. Now the biggest threat to this site, water inundation, is his main focus as the City of Portsmouth, NH enters its 400th anniversary.

# Resilience and Relevance: A Whole Community Approach to Climate Adaptation Planning



#### Lisa Craig, The Craig Group

With 30 years in the historic preservation field, Lisa strives in her professional and volunteer pursuits to promote historic places as economic, resilient, dynamic, and creative community assets

by collaborating with public and private partners to make historic communities the preferred place to live, work, and visit. Her experience in historic preservation, community engagement, and resiliency planning has made her a popular speaker and instructor. Lisa has published numerous articles and presented dozens of public talks on topics ranging from planning for more resilient historic communities to establishing conservation districts. Lisa graduated summa cum laude with a Bachelor of Fine Arts in Historic Preservation from the Savannah College of Art & Design and went on for Master's work at the University of Oregon.



Keri Ragland, County of Orange, VA

Keri is a senior-level preservation professional with over ten years of experience in the conservation, preservation and museum related fields.

She received her B.A in Art History and Chemistry in 2012 from Virginia Commonwealth University after which she continued to work in Richmond, Virginia managing the cultural resources at Maymont Foundation and working with consultants on Preservation Planning and Policy. Mrs. Ragland received her M.A. in Historic Preservation from Goucher College in 2017 where she published her thesis, ""Hoi Toide": Sustaining Adaptations and Mandating Action in Historic Flood-Prone Communities". Since contracting with The Craig Group, Mrs. Ragland has joined the County of Orange, Virginia as Senior Planner, working to balance their historic and rural preservation with economic development.

#### Working with Nature for Cultural Resource Protection: Wave Attenuators at Brunswick Town / Fort Anderson State Historic Site



#### Jim McKee, BTFA Site Superintendent

Jim is the site manager at Brunswick Town/Fort Anderson State Historic Site (BTFA). He first identified the erosion issue at the BTFA waterfront in June 2008, and has been working on it ever since. He attended Guilford College and graduated from Greensboro College. He received his MA, History from Southern New Hampshire University.



#### Dr. Mary Beth Fitts, NC Assistant State Archaeologist

Mary Beth is an Assistant State Archaeologist with the North Carolina Office of State Archaeology (OSA). In addition to conducting compliance

review for the northeastern piedmont counties of North Carolina, Mary Beth assists State Historic Preservation Office staff in the review of National Register of Historic Places nominations and is a member of the OSA scientific diving program. Mary Beth completed a PhD in anthropology at the University of North Carolina at Chapel Hill in 2015 and is presently working on projects involving heritage at risk due to climate change and community-engaged archaeology.



#### Stephen Atkinson, NC Assistant State Archaeologist — Underwater

Hailing from the University of West Florida, Stephen began his career in maritime archaeology while excavating and conserving

the artifacts from the Emanuel Point Two Shipwreck. While in Pensacola, FL, he also participated in locating, mapping, and excavating numerous other

wrecks from the 16th to 20th centuries, from ships of discovery to the side wheel steamers of the industrial age. He has worked on various terrestrial projects as well, from Roman forts in northern England to prehistoric caves and historic cemeteries in Florida and Alabama. After serving as an archaeology intern at the Warren Lasch Conservation Center in 2016, digitally recording the H.L. Hunley, Stephen's career with OSA began at the Queen Anne's Revenge Conservation Lab, where he served as a conservator. He then transferred to the Underwater Archaeology Branch in Kure Beach to become an Assistant State Archaeologist in the fall of 2019 and is a member of the OSA scientific diving program.

Stephen is originally from Jensen Beach, FL, and has a BA in history from Stetson University and an MA in historical archaeology with a maritime focus from the University of West Florida.



#### Ramona Murphy Bartos, NC Deputy SHPO

Ramona is Deputy State Historic Preservation Officer for the State of North Carolina, and Director of the North Carolina Department of Natural and Cultural Resources' Division of Historical Resources.

A native of Guyton, Georgia, she earned her joint Juris Doctor (cum laude) and Master of Historic Preservation degrees from the University of Georgia, and her Bachelor of Arts in History and International Studies from Emory University in Atlanta, Georgia, where she was a Robert W. Woodruff Scholar and elected to Phi Beta Kappa.

Prior to entering state public service, Ramona was a private practice attorney and civil mediator for a decade in Georgia, serving a variety of private and local government clients, and has been a legal trainer for the National Alliance of Preservation Commissions. She currently is board President of the National Conference of State Historic Preservation Officers.

#### **Working with Federal Agencies Before and After Disaster**



#### **Brian Lusher**

Brian is the Historic Preservation Officer for the National Endowment for the Arts. Since May, 2018 he has assisted with recovery efforts in Puerto Rico related to cultural heritage and the arts sectors. His previous

work in the preservation field includes positions at the Advisory Council for Historic Preservation (ACHP) and the Department of the Navy.



#### Valerie Gomez

Valerie is a Training & Mentor Specialist within FEMA's Office of Environmental Planning and Historic Preservation (OEHP) where she educates the cadre on historic preservation compliance.

She holds a M.S. in Historic Preservation from the University of Pennsylvania and has extensive experience with Section 106 of the National Historic Preservation Act.

#### Seth Tinkham

Seth manages the Historic Preservation Fund disaster grant program for the National Park Service. He was deployed to Puerto Rico in November 2017 to assist the State Historic Preservation Office with survey and condition assessments for storm damaged properties throughout the territory.



#### Jennifer A Wellock

Jennifer is an environmental protection specialist with the Office of Environmental Policy and Compliance at the

Department of the Interior. She is the national coordinator for Emergency Support Function #11, Protection of Natural and Cultural Resources and Historic Properties. Emergency support functions are a supplement to the National Response Framework, and seek to help state, tribal, and local authorities, and other Federal agency efforts, in times of declared disaster. Support can include supplying technical assistance and/or experienced personnel for the protection, preservation, rehabilitation, and restoration of natural and cultural resources. Previously she was an architectural historian and technical reviewer with the National Park Service's State, Tribal, Local, Plans & Grants branch within the Cultural Resources Directorate. She is a co-author of the recently released. Guidelines on Flood Adaptation for Rehabilitating Historic Buildings published by the Technical Preservation Services branch of NPS.



#### Ryan Potosnak

Ryan is a federal emergency manager and environmental protection specialist with over 13 years of experience supporting disaster response and recovery operations.

He currently serves as the National Coordinator of the Natural and Cultural Resources Recovery Support Function, which connects federal technical and funding resources with state, territorial, and tribal governments as they address long-term environmental and cultural resource recovery needs after large-scale and catastrophic disaster events.

# National Park Service: Introducing the Climate, Science, and Disaster Response Program



Jeneva Wright, Archaeologist for Climate Change for the National Park Service Climate, Science, and Disaster Response Program

Jeneva is duty stationed with the Climate Change Response Program (CCRP) based in Fort Collins,

Colorado to support CCRP's research and efforts to address the impacts of climate change and sea level rise across the breadth of the NPS system. Prior to this assignment, Jeneva supported the Partnerships and Innovations Directorate at the Department of Defense POW/MIA Accounting Agency by serving as Lead Archaeologist for underwater partner development and field projects (2018-2021). Her research and publications on climate change impacts to archaeological resources began as a graduate intern at Biscayne National Park and continued during her tenure with the National Park Service as an archaeologist with the Submerged Resources Center (2014-2017). She is currently an executive board member of the Advisory Council for Underwater Archaeology, serves as co-chair of the Climate Change and Submerged Cultural Heritage Working Group, and is conducting a PhD at the University of Miami Abess Center for Ecosystem Science and Policy in collaboration with the Rosenstiel School of Marine and Atmospheric Science.



Jennifer Eggleston, Chief of Staff, Cultural Resources Partnerships, and Science

Jenifer began her career with the National Park Service in 2007 as the primary grants manager for the Hurricane Katrina

and Rita Historic Preservation Recovery Grant program. After 7 years with the grant program Jenifer moved to the Office of the Associate Director for Cultural Resource, currently serving as the Chief of Staff. Additionally, she is one of the primary team members responsible for guidance and training regarding adapting historic buildings to the threat of flooding; co-authoring the recently released Guidelines on Flood Adaptation for

Rehabilitation Historic Buildings. Before coming to the National Park Service Jenifer worked at an education nonprofit and the National Trust for Historic Preservation's Community Revitalization Department. She holds a Bachelor of Arts in historic preservation from the University of Mary Washington and a Masters of Science in Urban and Regional Planning from the University of Memphis.



Morris [Marty] Hylton III, Historic Architect for the Climate Change for the National Park Service Climate, Science, and Disaster Program

Marty serves as the first Historic Architect for Climate

Change for the National Park Service. He is helping launch the Climate, Science, and Disaster Response Program dedicated to stewarding the nation's cultural resources impacted by climate change. Marty is duty stationed with the Climate Change Response Program (CCRP) based in Fort Collins, Colorado. Established in 2010, CCRP provides research, technical assistance, project and planning guidance, and training to address the impacts of climate change across the park system. Prior to this assignment, Marty was an Associate Scholar at the University of Florida (2007-2021) where he held the position of Director of Historic Preservation (2011-2021) and oversaw the Preservation Institutes Nantucket and St. Augustine. His work with disaster recovery and resilience began in 2005 at the World Monuments Fund where, as Strategic Initiatives Manager, he oversaw the recovery of historic properties and communities on the Gulf Coast of Mississippi and in New Orleans following Hurricane Katrina.

#### **Testing the Flood Resiliency of Traditional Materials**



Paige Pollard, Co-Owner, Building Resilient Solutions

Paige received her undergraduate degree from the University of Virginia School of Architecture, and Masters in Historic Preservation from the University of Georgia. She opened Commonwealth

Preservation Group (CPG) in 2004 with her husband, Marcus Pollard, after working as a local preservation planner and at the Virginia Department of Historic Resources. In response to increasing inundation and nuisance flooding, CPG and Museum Resources Construction & Millwork initiated a joint venture, establishing Building Resilient Solutions (BRS) in 2019. BRS focuses on site specific analysis and data-driven retrofit recommendations for at risk properties. She is the co-owner of BRS with Kerry Shackelford. www.brs.llc



# Kerry Shackelford, Co-Owner, Building Resilient Solutions

Kerry is a Licensed Class A Contractor and the owner of Museum Resources Construction & Millwork (MRCM), and co-owner of Building

Resilient Solutions (BRS) — a joint venture with Commonwealth Preservation Group (CPG). MRCM has performed restorations, reproductions, additions, and remodeling on a wide variety of historic properties, including private homes, commercial buildings, and museums. At BRS, Kerry is responsible for client consultation, pre- and post-retrofit monitoring design, retrofit design, and lab operations for retrofit effectiveness testing. www.brs.llc



Jenny Parker, Supervisory Architectural Historian, National Park Service

Jenny is a supervisory architectural historian in the Technical Preservation Services office of the National Park Service where she produces

guidance materials and presentations related to the Secretary of the Interior's Standards for the Treatment of Historic Properties. Along with co-authors, she recently published Guidelines on Flood Adaptation for Rehabilitating Historic Buildings. Ms. Parker is also responsible for the review of Federal Historic Tax Credit projects in North Carolina and Alaska. She holds a Master of Fine Arts in Historic Preservation from Savannah College of Art & Design and a Bachelor of Science in Building Science from Auburn University.

Resiliency & Relief: Exploring Floodplain Ordinance Exemptions for Historic Structures and Community Resiliency



Ashlen Stump, Preservation Associate, Commonwealth Preservation Group

Ashlen is a Preservation Associate with Commonwealth Preservation Group (CPG) in Norfolk, Virginia where she assists with the

development of National Register Nominations and historic tax credit applications, architectural survey projects, and provides support for data redaction for flood retrofit designs. She has also worked with local, state, and federal offices to interpret floodplain ordinances and the NFIP minimum requirements as they relate to historic structures in Special Floodplain Hazard Areas. Ashlen received her undergraduate degree in History with a concentration in Public History from James Madison University and her masters degree in Historic Preservation from the University of Georgia.



Peter Johnson, Project Manager and Senior Urban Designer, Works Program Architects

Peter has been involved in planning Norfolk's responses to sea level rise and recurrent flooding since the Dutch Dialogues

in 2015. Since that time, he has worked with communities on planning responses to flooding in many Norfolk neighborhoods including Downtown Norfolk, Chesterfield Heights, the St. Paul's area, and Fort Norfolk, as well as for the Chrysler Museum of Art, the Elizabeth River Trail, and the Hermitage Museum and Gardens. In addition to these public projects, Peter has worked on numerous private projects in flood zones, many of which were historic tax credit projects including the Assembly building in Downtown Norfolk in which WPA has located their office.

# The RISE Model: Using Innovative Solutions to Preserve the Past and Build a Resilient Future



Paul Robinson, Ph.D, Founder and Executive Director, RISE

Paul leads RISE, a coastal-Virginia based, non-profit organization dedicated to accelerating innovation and business growth around solutions to coastal

resilience challenges. Paul is also the founder and CEO of AeroTech Research, a company specializing in weather hazard detection for aircraft, and holds eight patents in this area. He has also served as a Senior Advisor to Focus Investment Bank in the areas of Government, Aerospace, and Defense, and is a member of a local angel investment group.



Shereen Hughes, Assistant Director, Wetlands Watch Virginia Coordinator, Chesapeake Bay Landscape Professional Program

Shereen collaborates with organizations and individuals across the

Chesapeake Bay Region and throughout Virginia to engage, train, align and grow a network of green infrastructure professionals focused on climate resilience and watershed health through sustainable landscapes and natural and nature-based stormwater and shoreline management practices. She also is mentoring a new generation of resilience professionals through the Wetlands Watch Collaboratory. Prior experience includes consulting hydrogeologist, landscape designer, and planning commissioner.



#### Timothy Stromberg, Principal, InfraSGA

Timothy is a landscape architect with extensive expertise in the design of community driven resiliency and green infrastructure solutions

to address major stormwater, flood mitigation, and climate change issues. His professional work includes riverfronts, public spaces, and streetscapes project in major metro regions including New York City, Chicago, Philadelphia, and Pittsburgh as well as dozens of smaller communities throughout the United States. He has been instrumental in major resiliency planning and design work in Norfolk, Virginia, where he has been leading the design of a major living shoreline project for the Harbor Park portion of the Elizabeth Riverfront in the downtown area. Tim holds a Master of Landscape Architecture degree from the University of Pennsylvania, a Bachelor of Science in Horticulture and Environmental Design from Delaware Valley University, and is a Certified Chesapeake Bay Landscape Professional Trainer and steering committee member.

#### **Resilience Officer Panel**



Kyle Spencer, Interim Chief Resilience Officer, City of Norfolk

Kyle has been the Deputy Chief Resilience Officer for the City of Norfolk the last four years, and has recently taken on the role as Acting Chief

Resilience Officer. He has spent the last 15 years working to make Norfolk a more resilient city as a consultant and as a technology leader with the City prior to working in the Resilience Office. Kyle's primary focus is implementing the City's Resilience Strategy by managing complex water management, environmental, urban planning, and smart cities projects. While with the City, Kyle has been collaborating with regional partners on resilience innovations to support research projects with universities, and developing business solutions in the resilience sector by turning Norfolk into a coastal community laboratory. Kyle is a certified GIS Professional, and Certified Floodplain Manager.

# Integrated Climate Resilience Planning: Identifying Opportunities to Meet Common Goals



Stephanie Hanses, Brown and Caldwell

Stephanie is the Mid Atlantic Water Resources Area Practice Leader for Brown and Caldwell. For the past 16 years, her career has spanned watershed modeling

and planning, coastal resilience planning, green stormwater infrastructure and natural systems design, and regulatory compliance, working with municipal, state, and federal clients across the southeast. She was previously a resident of the Riverview neighborhood in Norfolk and currently resides in Raleigh, North Carolina.

Stephanie received her Bachelor of Science in Civil Engineering from the Florida Institute of Technology and received her Masters of Engineering in Environmental Engineering from the University of Florida. She is a licensed Professional Engineer in Virginia, North Carolina, and Florida.

Coastal Resilience for Norfolk's Historic Working Waterfront: ULI Recommendations for the Elizabeth River Trail as Storyteller and Flood Mitigation Asset



Liz Scheessele, Timmons Group

Liz is a Hampton Roads native and resident of Norfolk since 2000, is the Group Leader of Hampton Roads Stormwater Services for Timmons Group. She manages and

contributes to projects and programs that have a direct impact on the residents of Norfolk and other Hampton Roads localities, many of which focus on neighborhood flooding issues. Liz is currently a Director on the Elizabeth River Trail Foundation Board as well as a member of the Master Planning Committee and also serves as President of the Virginia Lakes and Watersheds Association.



Ryan Bouma, Urban Land Institute

Ryan leads the AECOM Urbanism + Planning practice along the east coast and, as a landscape architect and urban designer, guides public realm design efforts

around the globe. His multi-disciplinary waterfront design work, ranging from resilient riverfront park design in Ningbo, China to The Yards in Washington DC, recently ranked one of the "12 coolest neighborhoods on the planet" by *Forbes Magazine*, seeks to simultaneously interpret history, enhance ecology, promote equitable access and support community recreation and resilience. Ryan holds a Bachelor of Science in Landscape Architecture from West Virginia University and a Master of Design Studies in Urbanism, Landscape and Ecology form the Harvard University Graduate School of Design.



Kindra Greene, Elizabeth River Trail

Kindra is the Executive
Director of the Elizabeth
River Trail Foundation. She
is a graduate of Virginia
Wesleyan University and
holds an MFA from Queens
University of Charlotte. She

spent two years serving in the Virginia Service and Conservation Corps as a Park Interpreter and Natural Resource Ranger.

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Kyle Spencer & Stephanie Daniel, City of Norfolk Office of Resilience

Jessica Whitehead, Old Dominion University's Institute for Coastal Adaptation and Resilience

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Paige Pollard, Commonwealth Preservation Group & Building Resilient Solutions

Sophia Latz, Department of City Planning, City of Norfolk

Mary Miller, Downtown Norfolk Council

Kindra Greene.

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Wayne Callis, VisitNorfolk

Mary Carson-Stiff, Wetlands Watch

Nancy Rogan, WHRO (local NPR affiliate)

# KEEPING HISTORY ABOVE WATER