

KEEPING HISTORY ABOVE WATER

PRELIMINARY PROGRAM

KEEPING HISTORY ABOVE WATER: NORFOLK 2022

May 15-18, 2022 at the Chrysler Museum of Art

Informed Communities Charting Solutions

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

SUNDAY, MAY 15TH

2:00 PM–4:00PM Check-in at the Sheraton Waterside

4:00 PM–5:30 PM Opening Plenary at the Basilica of Saint Mary, 232 Chapel St, Norfolk, VA 23504

Time TBD Open House at Building Resilient Solutions Materials Testing Lab in Suffolk. Participants must provide their own transportation.

MONDAY, MAY 16TH

8:30 AM Check-in at the Chrysler Museum, 1 Memorial Place

9:00 AM Opening Remarks and Introductions

9:45 AM Local Resilience Office Panel

Local officials from the City of Norfolk and other local resiliency offices discuss the unique challenges of the Tidewater area and solutions that are being implemented in their communities.

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, & Michael Lavin (Jamestown Rediscovery)

Jamestown Island is the location of the first permanent English settlement in North America and the former land of the Paspasheg Indians at the onset of colonization. Over a

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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.

12:00 PM **Conference Luncheon Address**

1:45 PM **Water Has a Memory: Preserving Strawberry Banke Museum from Sea Level Rise**

Rodney Rowland (Strawberry Banke Museum)

Strawberry 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 our 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) & 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. Due to disaster migration, most of the black community today has been displaced and pushed north and west of the city, away from the hub of historic downtown. 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

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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**

3:55 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), Randy Boyd, PE (Scenic Consulting Group), 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 17TH

9 AM **Working with Federal Agencies Before and After Disaster**

Brian Lusher (National Endowment for the Arts), Valerie Gomez (Training & Mentor Specialist, FEMA), Seth Tinkham (Historic Preservation Fund Disaster Grant Program, NPS), Jennifer Wellock & 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

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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**

10:30 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*)

11:45 AM **LUNCH BREAK**

1:15 PM **Testing the Flood Resiliency of Traditional Materials**

Paige Pollard & Kerry Shackelford (*Building Resilient Solutions*), **Jenny Parker** (*National Park Service*)

We 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

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the resiliency of traditional materials and techniques during and after inundation and will present up to date findings of their ongoing data analysis.

2:30 PM **BREAK**

2:45 PM **Resiliency & Relief: Exploring Floodplain Ordinance Exemptions for Historic Structures and Community Resiliency**

Ashlen Stump (Commonwealth Preservation Group) & 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 CRS (Community Rating System) 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.

3:45 PM **BREAK**

4:00 PM **Regulating and Preserving Historic Maritime Sites: Getting the Balance Right on Sydney Harbour**

Fabian Flintoff (Sydney Harbour Trust)

The Sydney Harbour Federation Trust was created by the Australian Federal government in 2000 to preserve former defence and historic sites on Sydney Harbour, adopting an operating model broadly similar to the Presidio Trust in San Francisco. Federal legislation gives considerable freedom to the Trust to pursue commercial opportunities, particularly in relation to arts and entertainment events and commercial leasing on Trust land. The Trust lands include environmentally sensitive harbourside areas, coastline, and heritage rich Cockatoo Island, the largest island on Sydney Harbour. Using legal and policy analysis, this presentation explores how the regulatory requirements have influenced how effectively the Trust has dealt with both the historical significance of their sites, and the priorities of local communities that live adjacent to those sites.

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WEDNESDAY, MAY 18TH

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), 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, 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**

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**

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Mel Price (Work Program Architects), Lis Scheessele (Timmons Group), Ryan Bouma (Urban Land Institute), & 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**

WEDNESDAY AFTERNOON TOURS

All tours will leave the Chrysler Museum at approximately 1:30 PM. Tours requiring bus/van transportation will be limited to the first 20 registrants. All other tours are within walking distance of the Museum, or a short walk to and from the Tide station, Norfolk's light rail. Please note that the tour options below are subject to change.

Tour Options Include:

A. Christ & St. Luke's Episcopal Church

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.

B. Elizabeth River Trail

The Elizabeth River Trail is a 10.6 mile urban trail, that following the historically significant working waterfront of Norfolk. The trail serves as a historically significant, recreational, social, and educational destination that improves environmental awareness,

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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.

C. Ohio Creek Watershed Project

The Ohio Creek Watershed Project, awarded \$112 million in federal grant funding, to address recurrent tidal and precipitation flooding 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.

D. Jamestown Rediscovery/Historic Jamestowne

This tour will take participants to the Historic Jamestown, 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.

E. A Look at Adaptation and Resilience in Norfolk

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.

F. Fort Norfolk (TBD)

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Fort Norfolk is the last remaining of 19 harbor-front forts authorized by President George Washington in 1794. Representatives of the Norfolk Historical Society will give an overview of the history of the site, while members of the U.S. Army Corps of Engineers discuss efforts to preserve this nationally-significant historic landmark.

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.

G. Historic Neighborhood Walking Tour (TBD)

H. Chrysler Museum Special Exhibition Gallery Tour