



WILLIAM & MARY
LAW SCHOOL

VIRGINIA COASTAL
POLICY CENTER

Building a Resilient Virginia

VCPC's 6th Annual Conference
Friday, November 2, 2018
School of Education, William & Mary
301 Monticello Avenue, Williamsburg, VA 23185

THANK YOU TO OUR PARTNERS AND SPONSORS!



CONFERENCE AGENDA

8:00 AM – 9:00 AM Complimentary breakfast and coffee

[*Note: A Women In the Environment (WINE) breakfast will be held concurrently in a separate room at the School of Education, with guest speaker Dr. Jewel Bronaugh, Commissioner of the Virginia Department of Agriculture and Consumer Services. The breakfast is complimentary, courtesy of the Chesapeake Bay Foundation.*]

9:00 AM Introduction/Welcome/Announcements

W&M President Katherine Rowe,
W&M Law School Dean Davison Douglas, and
VCPC Director Elizabeth Andrews

9:10 AM Morning Keynote Address:

Rear Admiral Ann Phillips (U.S. Navy, Ret.),
Special Assistant to the Governor for Coastal Adaptation and Protection

9:30 AM Building Resilience for Our Green & Gray Infrastructure

- Dr. Carl Hershner, Director, Center for Coastal Resources Management, Virginia Institute of Marine Science
- Lance Gregory, Director, Division of Onsite Sewage and Water Services, Environmental Engineering, and Marina Programs, Virginia Department of Health
- Curtis Smith, Director of Planning, Accomack-Northampton Planning District Commission
- Angela King, Assistant Director, Virginia Coastal Policy Center

10:50 AM Break

11:00 AM Legislative Options for Building Resilience

- The Honorable David Bulova, Delegate, 37th District
- The Honorable Keith Hodges, Delegate, 98th District
- The Honorable Monty Mason, Senator, 1st District
- The Honorable Christopher Stolle, Delegate, 83rd District

12:00 PM Complimentary Lunch Buffet

12:20 PM **Lunchtime Keynote Address: *The Pamunkey as Partners in Resilience***

**Chief Robert Gray, Pamunkey Indian Tribe of Virginia and
Dr. Ashley Spivey, Director, Pamunkey Indian Tribal Resource Center**

12:50 PM **Break**

1:00 PM **Building a Water Economy:
Louisiana's Water Campus Experience**

Moderator: Dr. Troy Hartley, Director, Virginia Sea Grant College

- Robert Twilley, Louisiana Sea Grant and the LSU Coastal Sustainability Studio
- Dale Morris, Director of Strategic Partnerships, The Water Institute of the Gulf
- John Spain, Executive Vice President, Baton Rouge Area Foundation
- Stephen Moret, President and CEO, Virginia Economic Development Partnership

2:00 PM **The Economic Benefits of Land Conservation and Ecotourism**

Moderator: Karen Forget, Executive Director, Lynnhaven River NOW

- Laura McKay, Coastal Program Manager, Virginia Coastal Zone Management Program, Department of Environment Quality
- Shannon Alexander, Coastal Resources Program Manager, Accomack-Northampton Planning District Commission
- John Bateman, Regional Planner, Northern Neck Planning District Commission

2:30 PM **Closing Keynote Address:**

The Honorable Ralph Northam, Governor of Virginia

Introduction by the Honorable Matt Strickler, Virginia Secretary of Natural Resources

3:00 PM **Reception, the Holly Room, School of Education
*Courtesy of Virginia Sea Grant***

*The Virginia Coastal Policy Center is extremely grateful to this year's conference sponsors:
Virginia Sea Grant, Virginia Environmental Endowment,
Virginia Institute of Marine Science, the Virginia Coastal Zone Management Program,
the Chesapeake Bay Foundation, and the Middle Peninsula Planning District Commission.*

CLOSING KEYNOTE SPEAKER

The Honorable Ralph Northam, Governor of Virginia



Ralph Northam is the 73rd Governor of the Commonwealth of Virginia. Governor Northam has been an Army doctor, pediatric neurologist, business owner, state Senator, and Lieutenant Governor. A native of Virginia's Eastern Shore, Governor Northam was educated at the Virginia Military Institute and Eastern Virginia Medical Center, and served in the United States Army. Governor Northam is committed to building a Virginia that works better for everyone, no matter who they are or where they live.

SPEAKER BIOGRAPHIES (in order of appearance)

Rear Admiral Ann Phillips, U.S. Navy (Ret.), Special Assistant to the Governor for Coastal Adaptation and Protection

Ann C. Phillips is the Special Assistant to the Governor for Coastal Adaptation and Protection for the State of Virginia. Prior to joining the administration, she worked to address sea level rise and climate impact on national security at the regional, national, and international level, and chaired the Infrastructure Working Group for the Old Dominion University-convened Hampton Roads Sea Level Rise Preparedness and Resilience Intergovernmental Pilot Planning Project.

Preceding her work on climate impact and sea level rise, Ann served nearly 31 years on active duty. She had the honor to commission and command USS MUSTIN (DDG 89) and to command Destroyer Squadron 28. Her final Flag command was as Commander, Expeditionary Strike Group TWO, including all the Amphibious Expeditionary Forces on the East Coast of the United States. Ann earned a Master of Business Administration from The College of William & Mary - Mason School of Business, in 2016. She is a 1983 graduate of the University of North Carolina at Chapel Hill. In addition, she is a certified Chesapeake Bay Landscape Professional, Level 2.



Dr. Carl Hershner, Director, Center for Coastal Resources Management, Virginia Institute of Marine Science

Carl Hershner is the Director of the Center for Coastal Resources Management at the Virginia Institute of Marine Science (VIMS) and a professor in the School of Marine Science at the College of William & Mary. For many years he has been a science advisor for Virginia's legislature, state agencies, and local governments on a wide variety of coastal management issues including wetland and shoreline management, climate change, water quality, and storm water management.



Lance Gregory, Director, Division of Onsite Sewage and Water Services, Environmental Engineering, and Marina Programs, Virginia Department of Health

Lance Gregory is the Director for the Division of Onsite Sewage and Water Services, Environmental Engineering, and Marina Programs. His Division works with Virginia’s 35 Health Districts and industry stakeholders to develop and implement regulations related to onsite sewage systems, alternative discharging systems, private wells, and marinas. Lance has worked in a variety of positions within VDH’s onsite sewage and water programs at the local, district, and central office level providing a useful perspective of the programs impacts at an individual, community, and statewide level. Lance is a graduate of Radford University and a Virginia Natural Resources Leadership Institute alumnus.



Curtis Smith, Director of Planning, Accomack-Northampton Planning District Commission

Curt Smith was born and raised on the Eastern Shore of Virginia and has served as Director of Planning for the Accomack-Northampton Planning District Commission since 2009. Curt holds a Master’s degree in Coastal Geology from East Carolina University and has focused on incorporating long-term coastal resilience and climate adaptation initiatives into natural resource and transportation planning and economic development efforts for the Eastern Shore’s two counties and 19 incorporated towns.



Angela King, Assistant Director, Virginia Coastal Policy Center

Angela M. King is the Assistant Director of the Virginia Coastal Policy Center (VCPC) at William & Mary Law School. Before joining VCPC, Angela served as an assistant attorney general in the Consumer Protection Section of the Virginia Office of the Attorney General, where she focused on charitable solicitation and general consumer protection matters. Her professional experience also includes serving as the Executive Director of the Newport News Green Foundation and as an assistant county attorney for James City County. Before attending law school, Angela worked for a local land surveyor conducting legal research and field surveys throughout Virginia. She received her law degree, magna cum laude, from the Maurer School of Law at Indiana University, Bloomington and her bachelors of science in geography and anthropology, cum laude, from Florida State University.



The Honorable David Bulova, 37th District, Virginia House of Delegates

David Bulova represents the 37th District in the House of Delegates, which includes the City of Fairfax and portions of Fairfax County. First elected in 2005, David serves on the General Laws; Agriculture, Chesapeake, and Natural Resources; and Education committees as well as the State Water Commission, Housing Commission, Joint Commission on Health Care, Chesapeake Bay Commission, Standards of Learning Innovation Committee, and the Virginia War Memorial Board. Prior to being elected to the House, David was an elected member of the Northern Virginia Soil and Water Conservation District Board.

David received a BA in Government from the College of William & Mary and a Masters in Public Administration and Policy from Virginia Tech. Professionally, David works as a Project Manager specializing in water resources management for Wood Environment & Infrastructure Solutions.



David and his wife Gretchen both grew up in Fairfax County and have three wonderful children. David is a member of the Brain Injury Services Board of Directors and is a former coach for Fairfax Little League and Burke Athletic Club. He and Gretchen also served for seven years as the co-chairs of their neighborhood's National Night Out Against Crime program.

The Honorable Keith Hodges, 98th District, Virginia House of Delegates

Delegate Keith Hodges has represented Virginia's 98th District since 2011. The 98th District includes the counties of Essex, Gloucester, King and Queen, Mathews, and Middlesex, as well as part of the county of King William. Keith serves on the General Laws; Counties, Cities, and Towns; and Health, Welfare, and Institutions committees as well as the Chesapeake Bay Restoration Fund Advisory Committee, Joint Coastal Flooding Subcommittee, and State Water Commission.

Much of his bi-partisan legislative work focuses on leveraging both water quality improvements and economic development across rural coastal Virginia. Keith has received numerous awards from both regional and national organizations, including Legislator of the Year (2016) from the Virginia Association of Planning District Commissions and Champion of Free Enterprise (2013, 2014) from the Virginia Chamber of Commerce.

Delegate Hodges earned a BS from the Medical College of Virginia, School of Pharmacy in 1989. He continues to work as a Pharmacist professionally. He and his wife, Shelley, have two children.



The Honorable Monty Mason, 1st District, Senate of Virginia

Senator Monty Mason represents the Virginia Peninsula's 1st State Senate district, including all of the City of Williamsburg and parts of Newport News, Hampton, Suffolk, James City County, and York County.

During his tenure in the legislature, Monty has worked to protect seniors, serve our veterans, create opportunities for small businesses, and improve education for Virginia's children. No stranger to community service before he took office, Monty has been volunteering and supporting the community for nearly two decades. He is a member of the Greater Williamsburg Chamber and Tourism Alliance Board, The Statewide Advisory Board for the Sorensen Institute of Political Leadership, the Executive Board of Smart Beginnings Virginia Peninsula, The Virginia Living Museum Board of Trustees, and the Let Freedom Ring Foundation. In 2002, William and Mary awarded him the Young Alumni Service Award and this Fall he was awarded the Alumni Service Award.

He sponsors an annual College Creek cleanup to remove debris and trash from a portion of the creek every April. In his capacity as Senator, he also serves as Virginia's legislative appointee to the Atlantic States Marine Fisheries Commission as well as the clam and oyster aquaculture workgroup created by Virginia's Secretary of Natural Resources this summer.

Monty's career in business spans more than 25 years and includes working in the real estate and financial sectors as well as more than a decade with VISA in fraud and risk management. Monty is a 1989 graduate of William & Mary where he earned a BA in government. He lives in the Walnut Hills neighborhood of Williamsburg with his wife, Pamela, who works at the College of William & Mary.



The Honorable Christopher Stolle, MD, 83rd District, Virginia House of Delegates

Delegate Chris Stolle represents the citizens of the 83rd House District. He serves on the House Appropriations; Counties, Cities, and Towns; and Health, Welfare, and Institutions Committees. Delegate Stolle also serves on the Joint Legislative Audit and Review Commission, the Hampton Roads Transportation Planning Organization, and the Joint Commission on Health Care. In addition to championing major veterans, transportation, and healthcare initiatives, Delegate Stolle spearheaded the state's effort to address flooding adaptation as the Chairman of the General Assembly Joint Subcommittee on Coastal Flooding.



Delegate Stolle was the patron of the legislation that created the subcommittee and was also the bill sponsor for the bill that established the Commonwealth Center for Recurrent Flooding Resiliency. He, along with other members of the subcommittee, have passed numerous bills aimed at flooding adaptation and coastal resiliency. Delegate Stolle's latest achievement to provide a coordinated, cross-agency state commitment to coastal adaptation was the successful passage of a bill which created the Commonwealth's first Special Assistant to the Governor for Coastal Adaptation and Protection. The Special Assistant will serve as the lead in developing and in providing direction and ensuring accountability for a statewide coastal flooding adaptation strategy. He received the Sierra Club's 2014 Leadership award recognizing his efforts to advance the Commonwealth's initiatives to address recurrent flooding and resiliency and was a participant at the 2015 Union of Concerned Scientists Rising Tides Summit that included local, city, and state leaders from the coastal states.

Delegate Stolle is a retired Naval Officer, who started his naval career in the Submarine force qualifying as a Naval Nuclear Engineer. Dr. Stolle later earned his doctorate of Medicine from the Uniformed Services University of the Health Sciences. Dr. Stolle currently serves as Vice President of Medical Affairs at Riverside Regional Medical Center. Chris is a native of the Virginia Beach, a graduate of the US Naval Academy, and holds an MBA degree from the College of William & Mary. He and his wife, Lisa, have five grown children and one granddaughter.

Dr. Ashley Spivey, PhD, Director of the Pamunkey Indian Tribal Resource Center

Pamunkey Tribal member Ashley Spivey is an anthropologist and acting Director of the Pamunkey Indian Tribal Resource Center, located on the Pamunkey Indian Reservation. Ashley graduated from James Madison University with Honors and earned a B.A. in Anthropology in 2007. In 2009 she received her M.A. from the College of William & Mary. Her thesis research focused on material culture, specifically Pamunkey pottery and its importance as a traditional practice imbued with multiple values associated with continuity, economy, and cultural persistence. Ashley recently completed her Ph.D. in Anthropology at the College of William & Mary and her dissertation is entitled "Knowing the Land, Working the River and Digging for Clay: Pamunkey Indian Subsistence Practices and the Market Economy 1800-1900." Ashley has received several awards for her dissertation research including the Society for American Archaeology's Native American Graduate Archaeology Scholarship and the Southern Regional Education Board's Dissertation Fellowship. Being both Pamunkey and an archaeologist, Ashley is dedicated to the practice of collaborating with Native communities in archaeological and anthropological research.



Chief Robert Gray, Pamunkey Indian Tribe of Virginia

Robert Gray is the Chief of the Pamunkey Indian Tribe, a position he has held since August 2015 after serving on the Pamunkey Tribal Council for over 25 years. Chief Gray served in the United States Air Force for six years before attending and earning a Bachelor of Science degree from the University of Central Arkansas. He then continued to serve in the Virginia Air National Guard eventually retiring after 32 years of military service. He continued to work as a federal civilian employee with the US Air Force, National Guard Bureau and retired after a total of 38 years federal service. Chief Gray lives on the Pamunkey Indian Reservation with his wife Mimi and currently serves the Pamunkey Indian Tribe as both Chief and Tribal Administrator.



Dr. Troy Hartley, PhD, Director, Virginia Sea Grant College

Dr. Troy Hartley is the Director of Virginia Sea Grant and a Research Professor of Marine Science & Policy at the Virginia Institute of Marine Science and the William & Mary Public Policy Program. He has over 20 years of experience studying and leading multi-stakeholder and cross-disciplinary collaboration in research, management, and governance of coastal, marine, and natural resources. Currently, Dr. Hartley is leading a GO Virginia planning grant on mapping and creating an action plan for Virginia's water management economy and the R&D collaboration between universities and industry. He has served on scientific advisory committees for two NSF EPSCOR awards to enable multi- and trans-disciplinary research and innovation. Dr. Hartley has a Ph.D. in environmental and natural resource policy from the University of Michigan, an M.A. in environmental policy from George Mason University, and a B.S. in zoology from the University of Vermont.



Robert Twilley, Executive Director, Louisiana Sea Grant and Chairman of the Board, Louisiana State University Coastal Sustainability Studio

Dr. Twilley is Executive Director of Louisiana Sea Grant College and Professor in the Department of Oceanography and Coastal Science at LSU. He has been a Distinguished Professor in Louisiana Environmental Studies at LSU in 2005, and served in several administrative capacities including Associate Vice Chancellor of Research and Economic Development from 2007 to 2010. In 2010, Dr. Twilley served for two years as Vice President of Research at University of Louisiana at Lafayette, which manages the UL Research Park and \$70 million research enterprise. Dr. Twilley founded the LSU Coastal Sustainability Studio in 2009, and also founded the Center for Ecology and Environmental Technology at UL Lafayette in 1999. Dr. Twilley's research has focused on coastal wetlands in the Gulf of Mexico, throughout Latin America, and in the Pacific Islands. Dr. Twilley has published extensively on wetland ecology and global climate change, and has been involved in developing ecosystem models coupled with engineering designs to forecast the rehabilitation of coastal and wetland ecosystems. He received his B.S. and M.S. from East Carolina University, PhD from University of Florida, and post-doctoral studies were at Horn Point Laboratory at University of Maryland Center for Environmental Studies.



Dale Morris, Director of Strategic Partnerships, The Water Institute of the Gulf

Dale Morris is the Director of Strategic Partnerships with The Water Institute of the Gulf and former Embassy of the Kingdom of the Netherlands Senior Economist. Morris served six years in the U.S. Air Force. He graduated from the University of Pittsburgh with a bachelor's degree in economics and political science and then a master's degree from the University of Virginia in international law, economics, and theory. After college, Morris worked as legislative director in the U.S. Congress, working on tax, budget, trade, agriculture, appropriations, and water issues. He later moved to the embassy where he served as Congressional Liaison and worked on macro-economic, trade, regulatory, and energy issues. When Hurricane Katrina hit in 2005, the Embassy of the Kingdom of the Netherlands engaged Louisiana officials. Morris directed this post-Katrina activity for the Dutch and managed the embassy's liaison to Louisiana and other U.S. states, including California, Florida, Texas, Virginia, and New York, as they worked on flood, water, and adaptation challenges. Morris also worked with New Orleans-based architect David Waggoner, co-founding the "Dutch Dialogues," which organized detailed workshops about living with water in post-Katrina New Orleans. The Dutch Dialogues have been used elsewhere in the U.S., including Virginia.



John Spain, Executive Vice President, Baton Rouge Area Foundation

John Spain is the Executive Vice President of the Baton Rouge Area Foundation, where he oversees projects that aim to solve fundamental problems across South Louisiana. John's work has included healthcare and education reform, economic development, and renewal of inner-city neighborhoods. Recently, he spearheaded a project that created the East Baton Rouge Redevelopment Authority, which won \$60 million in federal tax credits for inner city rebuilding in its first try. John's latest projects include implanting passenger rail linking Baton Rouge and New Orleans, and master plans for the Medical District in Baton Rouge and for the lakes next to LSU.



Stephen Moret, President and Chief Executive Officer, Virginia Economic Development Partnership

Mr. Stephen Moret has been the Chief Executive Officer and President of Virginia Economic Development Partnership since November, 2016. Previously, Moret served as President and CEO of the LSU Foundation. Concurrently, he served as Executive Director of the LSU Property Foundation. From 2008 through early 2015, Moret served as Secretary of the Louisiana Department of Economic Development. At LED, he directed business development efforts and cultivated higher education partnerships that helped secure a diverse array of projects in urban and rural communities. Altogether, he and his team helped secure private-sector capital investments in excess of \$62 billion. Moret previously served as President and CEO of the Baton Rouge Area Chamber of Commerce; management consultant with McKinsey & Company; public policy fellow with the Public Affairs Research Council of Louisiana; consultant to Harvard Business School; Assistant to the Chancellor of LSU; and environmental consultant to industry at Trinity Consultants. Mr. Moret has a B.S. in Mechanical Engineering from LSU, MBA from Harvard Business School, and an Ed.D. in Higher Education Management from the University of Pennsylvania.



Karen Forget, Executive Director, Lynnhaven River NOW

Karen's interest in the environment started early growing up on an organic farm in Indiana. She has a bachelor's degree from Purdue University and a master's from the College of William and Mary. Karen came to Lynnhaven River NOW (LRN) after thirty years as a science teacher and Headmaster of a private school. She first became involved with Lynnhaven River NOW as a citizen oyster gardener. Since 2005, Karen has been working full time with LRN, first as the Education and Outreach Coordinator and since 2007 as the Executive Director. During Karen's time as Executive Director, LRN has received a Letter of Commendation from the Virginia General Assembly, The Governor's Environmental Excellence Gold Award, a Coastal America Award, and the Garden Club of Virginia Dugdale Award. In 2015, LRN was honored to be highlighted in a new publication, The Case for Grassroots Collaboration. Karen serves on a variety of city and regional committees including the Green Ribbon Committee and the Norfolk Environmental Commission. She also serves on the Boards of Buy Fresh, Buy Local Hampton Roads and Virginia Forever. She is the Vice President of the Virginia Conservation Network Board and was a Virginia Natural Resources Leadership Institute Fellow in 2012. She has four sons and five grandchildren.



Laura McKay, Coastal Program Manager, Virginia Coastal Zone Management Program, Department of Environmental Quality

Laura McKay is the Program Manager for the Virginia Coastal Zone Management Program. She has a Bachelor's in Environmental Studies from Smith College and a Master's in Public Administration from the Rockefeller School of Public Affairs at SUNY/Albany. She began her career as a New York Sea Grant Scholar and went on to be New York Sea Grant's Assistant Director working on shellfish aquaculture, seafood science and marine biotechnology. In 1988 she joined the Virginia CZM Program and became its Manager in 1994. She is a founding member of, past Chair of and the Virginia representative on, the Mid-Atlantic Regional Council on the Ocean (MARCO). She currently leads its workgroups on the ocean data portal, marine life habitats, marine debris and ocean species shifts. She is the 2017 recipient of the Institute for Environmental Negotiation's Leadership Award for Environmental Conflict Resolution and, along with her Mid-Atlantic colleagues, the Peter Benchley Ocean Award for Excellence in Solutions. Laura was recently appointed by Governor Northam to the Virginia Offshore Wind Development Authority.



Shannon Alexander, Coastal Resources Program Manager, Accomack-Northampton Planning District Commission

Currently serving as the Coastal Resources Program Manager for the Accomack-Northampton Planning District Commission, Shannon Alexander brings her years of coastal research and education experience back to coastal Virginia, where she was born. With degrees in Environmental Science and Coastal Zone Management, she enjoys combining science, planning, and education for proper management of populated areas near sensitive ecosystems. She also enjoys being out in those natural areas and sharing them with others, which she does primarily through her Middle Peninsula based ecotour company, Bay Country Kayaking. Bay Country Kayaking strives to bring unique outdoor experiences to residents, visitors, and school groups, so that they may have a better understanding and appreciation of how their actions impact these areas.



John Bateman, Regional Planner, Northern Neck Planning District Commission

John Bateman is a regional planner with the Northern Neck Planning District Commission. In this role, John coordinates the region's environmental planning efforts, including coastal zone management. A strong proponent of regionalism, John supports multi-jurisdictional and collaborative planning in the area of coastal resource management. John assists the Planning District in regional planning efforts ranging from environmental stewardship and coastal zone management to community and economic development. A qualified regional planner, John received his Bachelor of Science degree, magna cum laude, in Geography from Old Dominion University.



The Honorable Matt Strickler, Virginia Secretary of Natural Resources

Matt Strickler is the Secretary of Natural Resources for the Commonwealth of Virginia. Prior to joining the Administration, he served as Senior Policy Advisor to Democratic members of the House of Representatives Committee on Natural Resources. Originally from Lexington, Virginia, Matt graduated from Washington and Lee University and holds master's degrees in public policy and marine science from the College of William & Mary and the Virginia Institute of Marine Science. He was a Knauss Marine Policy Fellow in NOAA's Office of International Affairs in 2007 and worked on U.S. Senator Mark Warner's successful 2008 campaign. Immediately prior to his time on Capitol Hill, Matt worked in the Virginia General Assembly as a legislative assistant to then-state Senator Ralph Northam.





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The Virginia Coastal Policy Center (VCPC) is a partnership between the Virginia Institute of Marine Science (VIMS), the Virginia Sea Grant Program, and William & Mary Law School. VCPC provides science-based legal & policy analysis of issues affecting the state's coastal resources; educates future citizen lawyers; and offers education and advice to a host of Virginia's decision-makers, from government and military officials and legal scholars to non-profit and business leaders.

Learn More About VCPC:

law.wm.edu/vacoastal

**Video recordings of conference sessions
will be available on the VCPC website.**