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Gerry Galloway is an Emeritus Research Professor of Engineering and a former Glenn L. Martin Institute Professor of Engineering in the Department of Civil and Environmental Engineering and an affiliate Professor of Public Policy at the University of Maryland, College Park, Maryland, where his teaching and research focus is on disaster resilience and mitigation, sustainable infrastructure development, and water resources and energy policy and national security under climate change.

From 2016 to 2018, he and his co-PI, Dr Sam Brody, Texas A&M, led a study of the challenges of urban flooding across the nation and presented thereport to the Congress and key members of the administration as well as all state governors. The report identified the sweeping extent of urban flooding and its disproportionate impact on minority populations. Since 2018 they have continued their research and efforts to induce government action on thereport.

He currently serves as a consultant to several federal and state and nongovernmental agencies on water resources policy development and flood risk management under climate change. He is also the principal for the LLC, Water Resources Professionals, a member of the Board of Directors of the Water Institute of the Gulf, the Advisory Board of the Center for Climate and Security and Vice-Chair of the Military Advisory Board of CNA. From 2014 to 2021 he was a Governor of Maryland appointee to the State Coast Smart Council and from 2009 until 2019, he served as a Governor of Louisiana appointee to his Advisory Commission on Coastal Protection, Restoration and Conservation. In 2014, he was appointed chairof an international panel of experts to examine the flooding threats to Florence, Italy and its art treasures andby the government of Singapore to a panel of experts advising on sea- level rise challenges faced by that country. He has served as a member of the US National Academies' Resilience America Roundtable, a consultant on flood risk management for the Army Corps of Engineers, a member of the American Society of Civil Engineer's Task Committee on Flood Safety Policies and Practices, a consultant to The Nature Conservancy on its Yangtze River Program and the Natural Heritage Institute's study of Climate Impacts of Dam Construction on the Mekong River Basin.. In 2012 and 2013, he served as a consultant to the Asian Development Bank for the conduct of Flood Workshops sponsored by the Bank and the governments of Thailand and the Philippines. In 2012 he was part of a US Army Corps of Engineers Team that presented concepts for shared water resources vision planning to Mekong River Commission and officials from the Mekong countries. In 2011 he was part of senior State department team to meet with Pakistani Officials in Islamabad to discuss water resource challenges faced by the two countries., In April 2010, he was named by Secretary of State Hillary Clinton as one of the three initial Energy and Climate Partnership of the Americas (ECPA) Fellows and has met with academics and government officials in Mexico, Jamaica, Peru, Bolivia and Chile under that program.. As part of US National Academy teams, he has worked with scientists in Finland, Iran and the Ukraine on climate change impacts on water systems and was a member of a National Academy of Public Administration panel examining the creation of a National Climate Service. He also served on an Aspen Institute study group examining water, sanitation and hygiene in the developing world and was a member of the US delegation to the Water Forum of the Americas preceding the Fifth World Water Forum.

From 2011-2012, he was Principal Investigator on a University of Maryland Team that conducted a review and evaluation of the National Dam Safety Program, and from 2012-2013 chaired a National Research Council Committee examining the role of levees in the National Flood Insurance Program. From 2006-2008 he advised the California Department of Water Resources on flooding and led an expert panel in assessing A California Challenge— Flooding in the Central Valley. From 2004-2007, he served as a senior consultant for Michael Baker for the FEMA Flood Map Modernization Program and led an Interagency Task Force in preparing a report for FEMA, "The National Levee Challenge: Levees and the FEMA Flood Map Modernization Initiative". From 2004- 2006, he led a University of Maryland Study for FEMA, Assessing the Adequacy of the National Flood Insurance Program's 1 Percent Flood Standard. From 2004-2009 he served as a Visiting

Scholar at the US Army Corps of Engineers Institute for Water Resources and was designated as a Maas-White Scholar in 2008.

In 2016 was selected by Texas A&M to be a Faculty Fellow of the Hagler Institute for Advanced Study, Texas A&M University and an Eminent Scholar in Residence and Visiting Professor at the Galveston Campus.

.Prior to joining the University of Maryland in 2004, he was Vice President, Geospatial Strategies, for the ES3 Sector, Titan Corporation. From 1998-2003, he served as Secretary of the United States Section of the International Joint Commission (IJC), Washington, DC, an independent bi-national organization charged with preventing and resolving transboundary air and water quality issues disputes between the US andCanada under the Boundary Waters Treaty of 1909.

A civil engineer, public administrator, soldier, educator, and geographer, he has led and managed large organizations in successfully executing a variety of important activities. He has broad experience in dealing with water management and geospatial issues both within the United States and internationally. He has served as a consultant to the Executive Office of the President, and has assisted the US Water Resources Council, the World Bank, the Organization of American States, TVA, the Corps of Engineers, several states, and various other organizations in water resources related activities. In 1988 he was appointed by President Reagan to the seven member Mississippi River Commission and served on the Commission until 1995. From December 1993 to July 1994, he was assigned to the White House to lead the Interagency Floodplain Management Review Committee in assessing the causes of the 1993 Mississippi River floods and in proposing a long-term approach to floodplain management. In 1998, he was appointed by the President to serve as a member of the American Heritage Rivers Advisory Committee. As a member of the IJC staff, he was part of teams that prepared the Commission's reports on the disastrous flooding in the Red River of the North in 1997 and the IJC's report, Protection of the Waters of the Great Lakes, addressing principles to govern management of potential withdrawals of water from the Great Lakes. He was a member of a special working group that produced *A New Framework for Planning the Future of Coastal Louisiana* after the Hurricanes of 2005, was the principal consultant to the American Society of Civil Engineers for its report Restoring Coastal Louisiana: Enhancing the Role of Engineering and Science in the Restoration Programand was a member of the Louisiana Science and Engineering Review Team for Coastal Protection and Restoration and is a member of America's Energy Coast Policy Committee.

He graduated from the US Military Academy with a Bachelor of Science degree and was commissioned into the Army as a second lieutenant in the Corps of Engineers. During a 38-year career in the military he served in various command and staff assignments in Germany, Southeast Asia and the United States. From 1974 to 1977, he commanded the Army Corps of Engineers District in Vicksburg, Mississippi, managing a multi- state water resources development program that included the operation of 7 large dams and the construction of two locks and dams. He has also been a member of the faculty of the US Military Academy at West Point, serving successively as Professor of Geography and Computer Science, and Professor and founding Head of the Department of Geography and Environmental Engineering. In 1990 he was promoted to the grade of brigadier general and appointed the ninth Dean of the Academic Board (Chief Academic Officer) of the Military Academy. He retired from active duty in 1995. From 1995 to 1998, he served as Dean of the Faculty and Academic Programs at the Industrial College of the Armed Forces, National Defense University, Washington, DC.

He has been a member of sixteen National Academies committees studying complex water resources and geospatial management issues including U.S. ocean research science and technology priorities, river science activities of the US Geological Survey, FEMA Flood Maps. He also chaired two National Academies committees studying logistics support for the future US Army. He has been a member of four study panels of the National Academy of Public Administration. He is a past member of the National Research Council's Water Science and Technology Board, the Hudson River Environmental Society and of the Hudson River Foundation for Science and Technology. A Distinguished Member of the American Society of Civil Engineers (ASCE), he served for ten years as vice-chair of a task group reviewing educational requirements for professional practice and as a member of ASCE's Strategic Planning Committee and as member of the ASCE Post-Hurricane Katrina Critical Infrastructure Guidance Task Force. He has served on the ASCE Committee on Standards of Practice, the Task Force on first professional degree, and was chair of the ASCE Committee on Engineering Responsibility, and a member of the 1985 ASCE Task Force on Federal Water Policy. He was

general chair of the 2001 ASCE Environment and Water Resources Institute Conference on Integrated Trans-boundary Water Management. He has been North Atlantic Regional Vice President for the Society of American Military Engineers (SAME) and Chair of SAME's Professional Development and Education Committee and was elected a Fellow in 1996. From 1989 to 1990 he was President of the Universities Council on Water Resources, an association of nearly 100 universities and colleges active in water resources research and education. From 1990 to 1996, he was a Councilor of the American Geographical Society. He is member of the Association of American Geographers, where he was Co-Founder and Chair of its Water Resources Specialty Group, the American Water Resources Association (AWRA), serving as General Chair of its 2002, 2005, 2007 and 2008 National Water Policy Dialogues and,in 2007 as President. He was co-organizer of the 2004 and 2007 Gilbert White Forums of the ASFPM Foundation. He has served as a trustee and Chairman of the Board of the Natural Heritage Institute, California based NGO. He has testified before committees of the US Congress, and state legislatures, appeared on national television and radio and has spoken to numerous organizations in the US and abroad. He has lectured and written extensively on the management of water resources and public involvement in water resources decision making.

He holds a master's degree in Engineering from Princeton; a Master's in Public Administration from Penn State (Capitol Campus), a Master's in Military Art and Science from the US Army Command and General Staff College and a Ph.D. in Geography (Water Resources) from the University of North Carolina (Chapel Hill). He is also a graduate of the Army War College, the Army Command and General Staff College, the Army's Engineer School, and the Ranger and Airborne courses of the Army Infantry School.

In 1991, he was presented the SAME Bliss Medal for contributions to engineering education and, in 1995, the Silver De Fleury Medal and in 2015 the Gold De Fleury Medal by the Army Engineer Association. In 1998, he was given the Association of State Flood Managers' Goddard-White Award. In 2001, ASCEnamed him the Civil Government Engineer of the year. In 2002, ASCE presented him the Presidents' Award for service to the country. In 2004 he received the US Geological Survey's John Wesley Powell Award, the Golden Eagle Award from the SAME Academy of Fellows, and the Julian Hinds Award from the Environmental and Water Resources Institute of ASCE. In 2005 the American Academy of Water Resource Engineers elected him to the grade of Honorary Diplomate. In 2008, he received the OPAL Award for lifetime achievement from ASCE, and the Norm Augustine Award for Outstanding Achievement in Engineering Communications from the American Association of Engineering Societies (AAES). In 2009, he was awarded the Warren Hall Medal by the Universities Council on Water Resources and, in 2011, the President's medal by the American Society of Civil Engineers. In 2016 he was awarded the lifetime achievement award of the Environment and Water Resources Institute of ASCE and in 2017. he receivedthe Henry Caulfield Water Policy medal of the American Water Resources Association. In 2018 hereceived the Engineering Excellence and Leadership Award of the Civil Engineering Institute, George Mason University, and in 2019 was named by *Engineering News Record* as one of the top 25 newsmakers for 2018.In 2021, he was selected as the AGU's 2021 Gilbert F. White Distinguished Award and Lecture honoree. He is a member of Phi Kappa Phi, national academic honor society, and has been elected to the National Academy of Engineering, the National Academy of Construction and the National Academy of Public Administration

He has been awarded the Army Distinguished Service Medal, the Legion of Merit with four oak leaf clusters, the Bronze Star, the Air Medal with oak leaf cluster, the Meritorious Service Medal with one oak leaf cluster, and several other medals and campaign ribbons. He has also received the Secretary of State's Career Achievement Award and the Department of the Army Superior Civilian Service Award.

He is married to the former Diane Messinger and they have six children: Laura Chadwell; Colonel Gerald E. Galloway III, US. Army-retired, Colonel Kevin T. Galloway, US Army-retired; Hillary Davis, Esq.; John and Gregory; 14 grandchildren and three great-grandchildren