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Juliana P. Blackwell

Juliana P. Blackwell is the Director of NOAA's National Geodetic Survey (NGS). As Director, she is responsible for the financial, administrative and programmatic performance of NGS, the lead federal agency for positioning activities. She oversees the management and delivery of the National Spatial Reference System (NSRS), the nation's consistent coordinate system for latitude, longitude, height, shoreline, gravity measurements and shoreline information throughout the United States. The NSRS supports a wide range of important activities including mapping and charting, navigation, flood risk determination, transportation, land use and ecosystem management.

She serves as Chair of the Federal Geodetic Control Subcommittee of the Federal Geographic Data Committee, exercising government-wide leadership in the development and improvement of geodetic surveying specifications, methods, instrumentation, and data transfers. She is a member of NOAA's Hydrographic Services Review Panel, a federal advisory committee providing advice to the NOAA Administrator on matters related to hydrographic services. She represents NOAA on the interagency Alaska Mapping Executive Committee and the 3D Elevation Program Executive Forum. Ms. Blackwell holds a Bachelor of Science in Mathematics from Tufts University, and a Master of Business Administration from the University of Maryland's Robert H. Smith School of Business.



Nancy Blyler

Nancy Blyler leads the U.S. Army Corps of Engineers (USACE) Geospatial Community of Practice. She develops guidance and sets policy with respect to Geospatial Technologies for the USACE. Ms. Blyler manages the USACE Enterprise Geospatial Engineering System (EGES) Program, which entails developing a comprehensive approach to geospatial technology focusing on standardizing geospatial data and tools across USACE. Ms. Blyler is also USACE's primary liaison to the Federal Geographic Data Committee (FGDC), is a member of the Defense Installation Spatial Data Infrastructure (DISDI) Working Group, and the HQ proponent for the Corps GIS, Remote Sensing and Survey/Mapping courses. Prior to joining HQ in 1995, Ms. Blyler worked at the Topographic Engineering Center (TEC)



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developing tactical military GIS applications supporting the war fighter community. Ms. Blyler has also held positions with the Defense Mapping Agency as a hydrographic cartographer and US Department of Agriculture as an imagery analyst. Ms. Blyler holds a Master of Science in Spatial Information Engineering from the University of Maine, a Master of Science in Cartographic and Geographic Science from George Mason University and a Bachelor of Arts in Geography from George Mason University.



Richard Butgereit

Richard Butgereit has served for the past 8 years as the GIS Administrator and head of the Information Management Section for the Florida Division of Emergency Management and the Florida State Emergency Response Team managing GIS applications, databases, web applications, and mobile applications. He serves as the State of Florida's representative to the National States Geographic Information Council and a co-chair of that council's Geospatial Preparedness Committee. Mr. Butgereit has over 20 years' experience applying GIS technologies to natural resources protection and emergency management programs. He also serves on the DHS S&T First Responders Resource Group, Board of Directors for the Florida HAZUS User Group, the National Alliance for Public Safety GIS Florida Regional Leadership Team, Deepwater Horizon Response Aerial Imagery Technical Working Group, and as a National Integration Center Strategic Resource. Richard is a graduate of New College, the Honors College of the State University System of Florida, and is a Geographic Information Systems Professional.



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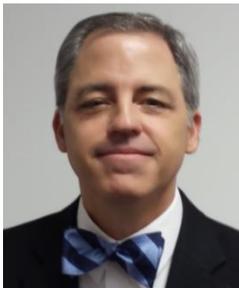
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Mark DeMulder

Mark DeMulder is the Director of the United States Geological Survey's National Geospatial Program. Previously, he served as Deputy Director, Office of the Chief Architect, at the National Geospatial-Intelligence Agency. Mark holds a Bachelor of Arts from the University of Connecticut and a Master of Science from George Mason University, both in Geography. He is a graduate of the Senior Executive Fellows Program at Harvard University's Kennedy School of Government and the Federal Executive Institute. He has served in the Senior Executive Ranks since 2004. Career highlights include the Open Geospatial Consortium's Vision Award, the Outstanding Alumni Award from the College of Science at George Mason University, and selection by the U.S. Ambassador to the Permanent Mission of the Organization of American States (OAS) to serve as President of the US National Section to the Pan American Institute of Geography and History, a specialized organization of the OAS. Mark resides in Springfield, Virginia with his family. His primary interest outside of work and family is in classical guitar music, which he does his best to play.



John Dorman

John Dorman is the Assistant State Emergency Management Director for Geospatial and Technology Management. In this capacity, he is responsible for the design, acquisition, analysis, and dissemination of data, models, analysis, systems and applications associated with all hazard / threat risk management.

Mr. Dorman previously served as the Deputy Director of the Office of State Policy and Planning and later as the Statewide Planning Administrator for the Office of State Budget, Planning, and Management. Following Hurricane Floyd in 1999, North Carolina petitioned FEMA and became the first state in the nation to be designated a Cooperating Technical State. From this designation, the North Carolina Floodplain Mapping Program was created and placed under his supervision.

Mr. Dorman has managed the statewide acquisition of LiDAR-derived topographic data, digital orthophotography, building footprints, and special flood hazard areas. Mr. Dorman has also managed three national risk management demonstrations: Integrated Hazard Risk Management; Digital Flood Risk Management; and, Sea Level Rise Impact Study.



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Leslie A. Durham

Leslie Durham is a Professional Engineer and serves as the Chief of the Floodplain Management Unit of the Office of Water Resources, where she oversees Alabama's CTP and NFIP Programs. Ms. Durham has over 20 years of experience managing Alabama's state water resources programs. Prior to governmental service, she worked as a consulting engineer and project manager on several water resources projects, gaining extensive experience in water resources planning and management. She has provided technical and policy level support to water and wastewater regulatory compliance programs and statewide drought planning in addition to floodplain management. As co-chair of the Mapping and Engineering Standards National Policy Committee, Ms. Durham collaborates with FEMA and other partners to improve the National Flood Mapping Program. She serves on the Board of Directors of both ASFPM as Secretary and the Alabama Association of Floodplain Managers as Treasurer. She is a graduate of Huntingdon College with a degree in Mathematics and Auburn University with a degree in Civil Engineering.



Scott Edelman

Scott Edelman is a Senior Vice President responsible for leading AECOM's Water Resources service delivery, and has 33 years of experience primarily focused on flood insurance studies and floodplain mapping. Mr. Edelman oversees AECOM's floodplain mapping and mitigation work for the Federal Emergency Management Agency and for state and local agencies serving as FEMA's Cooperating Technical Partners in more than a dozen states. Mr. Edelman has had the privilege of testifying before Congress on the FEMA floodplain mapping program, and served as President of the ASFPM Foundation for six years. He contributed to a National Academies of Science study on floodplain mapping, and has addressed the UN on how to approach flood mitigation globally. He also addressed the original TMAC committee on approaches to modernizing floodplain maps in the 1990's.



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Steve Ferryman

Steve Ferryman joined the Ohio Emergency Management Agency in December 2008 and serves as the Mitigation and Recovery Branch Chief for Ohio. The Mitigation and Recovery Branch administers FEMA’s Hazard Mitigation Assistance programs and FEMA recovery programs for the State. The Mitigation and Recovery Branch is also responsible for maintaining the State of Ohio Hazard Mitigation Plan.

Prior to joining the Ohio EMA, Mr. Ferryman worked at the Ohio Department of Natural Resources, Division of Water, Floodplain Management Program for nine years. He graduated from The Ohio State University in 2000 with a Bachelor of Science in Sustainable Resource Management, with an emphasis in Water Resources. He is a Certified Floodplain Manager and member of the Association of State Floodplain Managers and Ohio Floodplain Management Association. In 2004—with the other members of the Structure Inventory Team—he received the Governor’s Recognition for ODNR’s ACE Award.



Gale William Fraser II

Gale Fraser’s public service career spans three decades, including more than 20 years at the helm of flood control mitigation in Clark County, Nevada during periods of rapid growth. Fraser has worked for the Clark County Regional Flood Control District since 1988 serving as chief engineer and general manager since 1993. He has overseen the construction and maintenance of \$1.8 billion flood control facilities which resulted in the removal of more than 50 square miles from FEMA flood zones. Fraser retired March 2015 from the District but continues to be active in flood and stormwater management issues.

Fraser is a member of the National Association of Flood and Stormwater Management Agencies. He has served on Nevada’s All Hazard Mitigation Advisory Committee for 11 years and remains active in local wash and watershed management committees.

Fraser earned his Civil Engineering degree from North Dakota State University. Fraser and his wife have three children, one grandchild and more on the way.



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Carrie Grassi

Carrie Grassi is Senior Policy Advisor at the NYC Mayor’s Office of Recovery and Resiliency. She is responsible for managing FEMA’s flood map update process for the City and coordinating with City agencies on coastal flooding resiliency standards. She also manages the City’s participation in New York State’s NY Rising Resiliency Planning Program, and HUD’s Rebuild By Design initiative. After Hurricane Sandy, she was part of the Mayor’s Special Initiative for Rebuilding and Resiliency, the result of which is the City’s comprehensive climate resiliency plan, A Stronger, More Resilient New York. Carrie previously worked as the Freshkills Park Outreach and Land Use Manager for the NYC Department of Parks & Recreation. She holds a Masters in City Planning from the Massachusetts Institute of Technology and a Bachelor of Arts in Urban Studies from the University of Pennsylvania. Carrie has worked in both government and non-profit institutions focused on project implementation, civic engagement, and environmental stewardship.



Christopher P. Jones

Christopher P. Jones is a self-employed, registered professional engineer specializing in coastal engineering, flood hazard identification, and flood mitigation. He has over 35 years’ experience as a practicing engineer. He has worked throughout the United States and abroad on projects related to: coastal engineering, flood hazard mapping, flood loss estimation modeling, post-flood damage investigations, flood mitigation and flood-resistant design. He is chair of the ASCE 24 Flood Resistant Design and Construction Standard Committee, chair of the ASCE 7 Flood Loads Subcommittee, and a member of the ASCE 7 Tsunami Loads and Effects Subcommittee.

Mr. Jones has been conducting post-flood damage investigations since the 1980s. He uses his flood hazard mapping knowledge to inform post-flood damage investigations and flood-resistant design standards, and his knowledge of construction and forensic studies to improve coastal hazard mapping and mitigation guidance.



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Howard Kunreuther

Howard Kunreuther is the James G. Dinan Professor; Professor of Decision Sciences and Public Policy at the Wharton School, and co-director of the Wharton Risk Management Center. He has a long-standing interest in ways that society can better manage low-probability, high-consequence events related to technological and natural hazards. Howard serves on the National Academy of Science's committees on Analysis of Costs and Benefits of Reforms to the National Flood Insurance Program, and the Roundtable on Risk, Resilience, and Extreme Events and is a Coordinating Lead Author for the Intergovernmental Panel on Climate Change's recent report, "Integrated Risk and Uncertainty Assessment of Climate Change Response Policies." He is a Fellow of the American Association for the Advancement of Science, and a Distinguished Fellow of the Society for Risk Analysis. He is the author of *At War with the Weather* (with E. Michel-Kerjan, 2011) and *Insurance and Behavioral Economics: Improving Decisions in the Most Misunderstood Industry* (with M. Pauly and S. McMorrow, 2013).



Wendy Lathrop

Wendy Lathrop, President and Owner of Cadastral Consulting, LLC, is a licensed Professional Land Surveyor in New Jersey, Pennsylvania, Delaware, and Maryland, a Professional Planner in New Jersey, and a Certified Floodplain Manager through the Association of State Flood Plain Managers. She served on the first Technical Mapping Advisory Council to FEMA and later on a panel studying flood hazard mapping accuracy for the National Academies of Science, resulting in the 2009 report "Mapping the Zone: Improving Flood Map Accuracy." She has worked extensively with NJDEP on floodplain buyouts after Hurricanes Irene, Lee, and Sandy. Ms. Lathrop has taught seminars nationwide since 1986 and has been a regular columnist in national magazines since 1983, currently for *The American Surveyor*. She is a contributing author to the American Bar Association's "Land Surveys: A Guide for Lawyers and Other Professionals," and co-author of "Professional Surveyors and Real Property Descriptions: Composition, Construction, and Comprehension."



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David Mallory, PE, CFM

David Mallory currently serves as the Manager of the Floodplain Management Program at the Urban Drainage and Flood Control District (UDFCD) in Denver, Colorado. David is a graduate of Colorado State University and has over 35 years of experience in the Denver metro area, 20 years in the private sector and the last 15 with the District. He was first registered as a professional engineer in the state of Colorado in 1981.

David supervises all aspects of the program, including the review of development proposals adjacent to streams, floodplain mapping and the Cooperating Technical Partnership (CTP) initiative with the Federal Emergency Management Agency (FEMA) including the letters of map change (LOMCs) delegation. The program is also heavily involved with FEMA's Risk MAP initiative.

David is active in a number of national organizations including the Association of State Floodplain Managers (ASFPM), the National Association of Flood and Stormwater Management Agencies (NAFSMA) and the Natural Hazard Mitigation Association (NHMA).



Robert R. Mason

Robert Mason is a hydrologist with the U.S. Geological Survey (USGS). He is the Deputy Chief of the USGS Office of Surface Water in Reston, Virginia, oversees the USGS streamgage network and flood-inundation mapping standards and methods development, and supervises USGS scientists engaged in developing updates to Bulletin 17B and USGS PeakFQ. He is the Vice-Chair of the Advisory Committee on Water Information, Subcommittee on Hydrology and an affiliate member of that subcommittee's Hydrologic Frequency Analysis Workgroup. He has worked on several USGS flood frequency regionalization projects.

Robert Mason is a registered Professional Engineer. He received his Master of Science in Civil Engineering from North Carolina State University.



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Sally Ann McConkey

Sally Ann McConkey is registered professional engineer in the State of Illinois, a Certified Floodplain Manager, and a Diplomat, Water Resources Engineer. She manages the Coordinated Hazard Assessment and Mapping Program at the Illinois State Water Survey (ISWS). The ISWS is a Cooperating Technical Partner (CTP) with the Federal Emergency Management Agency (FEMA) and performs hydrologic and hydraulic flood studies, Digital Flood Insurance Rate Map production, delegated review of Letter of Map Revisions, and community outreach. Ms. McConkey oversees a staff of 25 engineers, GIS specialists, and outreach staff. Sally served on the Illinois Association for Floodplain and Stormwater Management board for over 10 years in a variety of positions including Vice Chair and Chair. Ms. McConkey served over 2 years as Co-Chair of the Mapping and Engineering Standards Policy Committee of the Association of State Floodplain Managers (ASFPM). She served as Vice-Chair of ASFPM from 06/2009-06/2011, and Chair from 06/2011-06/2013.

Luis Rodriguez



Luis Rodriguez is the Chief of the Engineering Management Branch in the Risk Analysis Division of FEMA's Federal Insurance and Mitigation Administration. In this capacity, Mr. Rodriguez has oversight responsibilities over FEMA's flood hazard mapping program. The flood hazard mapping program is part of FEMA's Risk Mapping, Assessment and Planning program, which promotes informed decision making that increases community resilience to flooding disasters. Prior to joining FEMA in 2008, he worked in private industry for 13 years in various capacities supporting FEMA's flood hazard mapping and the Map Modernization programs. Mr. Rodriguez holds a Bachelor of Science in Urban Systems Engineering from George Mason University.



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Javier Ruiz

Javier Ruiz currently holds the position of Geospatial Governance Branch Chief and Acting Director for the National Geospatial Center of Excellence, in Fort Worth, Texas. Mr. Ruiz is trained as a soil scientist with a Bachelor's degree from Texas A & M University, in Kingsville, Texas. Mr. Ruiz has held various positions, including: field soil scientist, assistant state soils scientist in New Mexico, soil interpretations specialist in Fort Worth, Texas, GIS specialist, and as Remote Sensing Lab Leader at the East Remote Sensing Lab in Greensboro, North Carolina.



Christine Shirley

Christine Shirley is the National Flood Insurance Program (NFIP) Coordinator for the State of Oregon, a position she's held since 2007 within the Department of Land Conservation and Development (DLCD). Prior to her current position Christine provided technical assistance to communities on use of digital Flood Insurance Rate Maps (FIRMs). She works daily with paper and digital FIRMs and Flood Insurance Studies to assist local government with implementing the NFIP and to help landowners, developers, real estate agents and surveyors interpret and use FEMA's flood mapping products. Her duties also include local and statewide hazard mitigation and long-term recovery planning. Prior to joining the State of Oregon, Christine worked for county government and nongovernmental organizations on watershed protection initiatives.

Christine earned a Master's degree in Geographical Information Science from Birkbeck College, University of London, and completed coursework at UC Berkley, Energy and Resources Group, where she specialized in watershed science.



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Cheryl A. Small

Cheryl Small was Vice President of Operations at CoreLogic Flood Services and has been active in the insurance and flood determination industry for over 30 years, holding positions in operations management, sales, new product development and business development. She has been involved with the NFIP since 1985 and was responsible for the WYO Flood Program for a leading insurer. She currently manages the operations of a flood determination business which annually completes more than 10 million flood determinations each year based upon the use of FEMA's flood maps.

Cheryl is past president of the National Flood Determination Association (NFDA) and is currently a member of the Board of Directors and is the policy advisor for NFDA. She was instrumental in the NFDA's adoption of a certification program for companies to demonstrate professionalism and expertise in making flood determinations using FEMA's flood maps. She has directed the biannual technical mapping meetings between the NFDA and FEMA through which several improvements have been identified.