COMPANY ROLE

Project Manager, Client Relationship Manager

LICENSES / REGISTRATIONS

LA PE# 0039894

Certified Floodplain Manager

PROJECT ROLE / FOCUS AREAS

Large-scale coastal restoration & risk reduction planning

Engineering design and management

Regional sediment management

Program and project management

EDUCATION

MS, Civil and Environmental Engineering, University of New Orleans, 2025

BS, Civil and Environmental Engineering, Minor in Buisness Administration, Louisiana State University, 2010

PROFESSIONAL MEMBERSHIP

American Society of Civil Engineers

Louisiana Engineering Society

BRETT MCMANN, PE, CFM,

Project Manager, Client Relationship Manager

Brett has experience in the planning and design of flood protection and ecosystem restoration projects along the East and Gulf Coasts, most notably for the Louisiana Coastal Protection and Restoration Authority (CPRA), where he has been involved in the proposal, scoping, execution, and closeout of over 30 task orders spanning both engineering and environmental sciences IDIQ contracts.

Brett McMann presently serves as The Institute's project manager for all Louisiana Watershed Initiative activities, all activities related to CPRA coastal master plans, and all compound flood prediction projects within The Institute. He has consistently been tasked with managing The Institute's largest projects, which account for roughly 25-30% of Institute revenue since 2022. An adept team leader and consensus builder, Brett manages up and down organizational charts of highly capable hydrodynamic modelers, statisticians, mathematicians, and civil engineers to deliver projects that often push the boundaries of coastal and flood science.

PROFESSIONAL EXPERIENCE

2019–Present: Civil Engineer/Project Manager, The Water Institute
2013–2019: Staff Engineer/Task Manager, ARCADIS, U.S. Inc.
2010–2013: Engineering Specialist, Brown and Caldwell

SELECTED PROJECTS

Louisiana Watershed Initiative (LWI): *Program Management and Investigation Report. Louisiana Office of Community Development.* (Ongoing). *Project Manager.* Brett serves as The Water Institute's project manager for a technical staff of nearly two dozen team members charged with the development of a statewide, comprehensive $1.2B Watershed-based Floodplain Management Program. The Institute presently provides a broad array of services to the state, including development of coastal compound flooding analysis methodologies, data and model repository development, legislative and policy support, planning and policy support, and leadership of technical stakeholder groups. In addition to Institute project management, Brett has been heavily involved in the development of the LWI's data repository, consequence modeling strategy, goals could be examined coincidentally and how cost-benefit analysis of nonstructural, structural, and restoration measures from the feasibility study could be considered jointly.

2029 Coastal Master Plan / Statewide, LA. *CPRA. (Ongoing). Project Manager.* Brett presently serves as project manager for all Institute work for the 2029 Coastal Master Plan. This early work includes analysis of various benefit-cost calculation regimes for expected annual damage, as well as a hindcast to generate the monetary impact of all coastal risk reduction investments dating back to 2007 in Louisiana.

2017 Coastal Master Plan / Statewide. *CPRA. (2015–2017). Project Scientist.* Brett led Arcadis' effort to develop attributes for several hundred ecosystem restoration and hurricane protection projects to facilitate numeric modeling and prioritization analysis. This effort included GIS analysis, cost estimation, planning-level design, data and document production automation, and regular interdisciplinary team coordination of roughly 20 internal staff and countless external partners such as The Water Institute of the Gulf, the RAND Corporation, USGS, academia, and local governmental partners.

City of Jacksonville Compound Flooding and Realtime Forecasting / Jacksonville, FL. *City of Jacksonville. (Ongoing). Project Manager.* Brett presently oversees a multidisciplinary team of The Institute, Halff, and Deltares who are performing coastal compound flood analysis, generating a data and model repository, and creating a real-time flood forecasting system for planners and decision makers at the City of Jacksonville.

2023 Coastal Master Plan / Statewide, LA. *CPRA. (2018–2023). Project Scientist.* Prior to his time at the Water Institute, McMann led Arcadis' effort to develop a new database system for streamlining both the project attribute generation system. Brett worked with others at The Water Institute to characterize both the likelihood and effects that disruptions to access of critical and essential facilities will have on low-lying coastal communities in future decades. This analysis focuses on the changes to access and drive times which coastal communities may have to facilities such as pharmacies, hospitals, emergency response, grocery stores, etc. due to high tide flooding.

SELECTED CONFERENCE PROCEEDINGS AND PRESENTATIONS

1. **McMann, B**., Bienn, H., Jensen, B. (2023) Guidance on Modeling Methodology – Appendix B: Data Governance and Standards. Version I. (pp. 1-85). Baton Rouge, LA. Louisiana Watershed Initiative.
2. Kane, P., **McMann, B**., Cantor, L. (2023) Guidance on Modeling Methodology – Appendix D: Consequence Modeling Guidance. Version I. (pp. 1-26). Baton Rouge, LA. Louisiana Watershed Initiative.
3. Bienn, H.C., A. Cobb, Z. Cobell, J. Fischbach, S.A. Hemmerling, K. Jankowski, E. Jarrell, D. Johnson, **B. McMann**, J. Parfait, H. Roberts, R. Sanderson, Y. Wang, and E.D. White. (2020). 2023 Coastal Master Plan: High Tide Flooding. Version I. (pp. 1-70). Baton Rouge, Louisiana: Coastal Protection and Restoration Authority.