AUDREY GRISMORE, Ph.D.

THE WATER INSTITUTE OF THE GULF

Company Role
Geographer, Cultural Resource Management, Archaeologist

Project Role / Focus Areas
- Cultural Resource Management
- Resilience Adaptation
- Integration of social, cultural, and environmental
- Disaster response and mitigation

Education
- Ph.D. - Geography, Louisiana State University - 2018
- M.S. - Geography, Louisiana State University - 2014
- B.S. – History and Archaeology, Hood College - 2007

Professional Membership
- American Association of Geographers

Skills
- ArcGIS
- R Software
- ERDAS
- Canvas

Experience Profile
Audrey Grismore, Ph.D., specializes in collecting and synthesizing a wide range of material to triangulate the responses communities have to disruptive events and how these responses interact at the local, state, and federal level. In addition to her academic experience, Audrey has extensive experience working in long term recovery in Mississippi, Louisiana, Texas, and New Jersey prior to returning to graduate school.

Prior to joining The Water Institute of the Gulf, Grismore spent three years as an environmental historic preservation (EHP) professional with the Federal Emergency Management Agency Louisiana Recovery office (LIRO). In this capacity, Grismore reviewed environmental and historic preservation compliance for hazard, flood and pre-disaster mitigation projects, public assistance projects and individual assistance projects; regularly managed numerous project reviews, was a technical expert for LIRO's EHP ArcGIS mapping and spatial data analysis needs, and refined Orleans Parish Archaeology Probability Map using statistical classifications including variables of historical maps, soils, geology, elevation, and distance from known sites.

Grismore was also involved in disaster recovery projects resulting from Hurricane Laura in 2020, Hurricane Barry, numerous flooding events, tornados and other extreme weather events across the Gulf coast.

Before going to graduate school, Grismore was a cultural resources field manager for URS Corporation working on the Mississippi Development Authority Housing Recovery HUD-CDBG Projects. Prior to taking on this role, Grismore was an archaeologist and field lab manager for various URS company projects.

Professional Experience

The Water Institute of the Gulf
- *Geographer* 2021-Present

Federal Emergency Management Agency
- *Environmental Protection Professional* 2007-2021

Louisiana State University
- *Graduate Research Assistant* 2012-2018

URS Corporation
- *Cultural Resources Field Manager* 2010-2012
- *Archaeologist* 2008-2010

Selected Projects

Advancing the Goals of SECAS: A Program to Improve SECAS Blueprint Utility in the Gulf of Mexico Water Institute of the Gulf, US Fish and Wildlife Institute (2021 to present). This project is to advance the management applicability and use of the SECAS blueprint in prioritizing, executing, and assessing conservation and restoration projects in the northern Gulf of Mexico (GOM) and surrounding watersheds. Specific roles on this project include 1) principal component analysis in R for social vulnerability index; and 2) geographic system support for stressor and threat index.

Capital Area Groundwater Conservation Commission: Phase 2: Long Term Strategic Planning for Water Resources Capital Area Groundwater Conservation Commission (2021 to present). Synthesize, research, and report on the prior public engagement and knowledge of the groundwater geology and saltwater intrusion issues associated with the Southern Hills Aquifer System in the Baton Rouge area. The Capital Area Groundwater Conservation Commission will use the data and information provided by this project to make critical aquifer management decisions.

Inland from the Coast: A multi-scalar approach to regional climate change responses (2017-2018). Project sought to gather and disseminate local ecological knowledge about landscape functionality through identifying local officials, community members, and regional leaders to engage in focus groups. Through archival and policy research, past events and policy changes were identified to support adaptation responses, strategies, and best practices that are more emotionally and culturally sensitive. Profiles for current and future wellbeing in coastal and inland communities, including commonalities across regions; community outreach and educational resources including accessible web-based resources to help impacted communities become more resilient. Supported by Gulf Research Program (GRP) of the National Academies of Sciences, Engineering, and Medicine and Robert Wood Johnson Foundation (RWJF).

Gulf Coast Health Alliance: Health Risks Related to the Macondo Spill (GC-HARMS; 2013-2016). Sought to characterize health impacts and community resiliency factors related to the disruptive events, including hurricanes, oil spills, floods, and manmade structural changes to the landscape. The project focused on racially-ethnically diverse coastal residents have been culturally, economically and, in some cases, linguistically marginalized. Archival, legal, policy, scientific reports, and other resources were identified and then content evaluated for relevance. The work focused on points, or instances in time, were communities and individuals responded and recovered, or did not, from a disruptive event to show how practices are inherent, or learned, as well as adapt to the changing coast. Supported by Award Number U19ES020676 from the National Institute of Environmental Health Sciences (NIEHS).

Coping with Storms and Spills: How Gulf Coast Communities Get Back on their Feet (Summer 2014). Conduct background archival and health statistics research prior to beginning interviews to learn how people use their social networks to plan for, endure, and recover from events such as storms, oil spills, floods, among other things. It is part of a larger ongoing project looking at the history of how people in Gulf Coast communities survive events such as these. Supported by Substance Abuse and Mental Health Services Administration, through the NIEHS.

Selected Publications

1. Mathewson, K., Allen, A.L., Grismore, A., Lagos, M., Simms, J.R., & Spencer, B. (2020). The Sauer Tree in Time and Place. *Journal of Latin American Geography* 19(1), 84-97. doi:10.1353/lag.2020.0012.
2. Colten, C.E., & Grismore, A.A. (2018). Can Public Policy Perpetuate the Memory of Disasters? RCC Perspectives, (3), 43-52. https://www.jstor.org/stable/26511172
3. Colten, C.E., Simms, J.R.Z., Grismore, A.A. & Hemmerling, S.A. (2018). Social justice and mobility in coastal Louisiana, USA. *Reg Environ Change* 18, 371–383. https://doi.org/10.1007/s10113-017-1115-7
4. Grismore, Audrey, "Natural Resources-Based Conflicts in Coastal Louisiana: A Multi-faceted Social and Ecological Setting" (2018). LSU Doctoral Dissertations. 4767. https://digitalcommons.lsu.edu/gradschool_dissertations/4767
5. Colten, C.E., Grismore, A.A, & Simms, J.R.Z. (2015). Oil Spills and Community Resilience: Uneven Impacts and Protection in Historical Perspective. Geographical Review 105 (4), 391-407. https://doi.org/10.1111/j.1931-0846.2015.12085.x

Selected Conference Proceedings and Presentations

1. Social Justice and Mobility in coastal Louisiana (Presentation). American Association of Geographers, Boston, MA April 2017.
2. Retreat from the Louisiana Coast: The Shifting Public Discussion and Policy Frameworks (Presentation). State of the Coast, New Orleans, LA, June 2016.
3. Louisiana vs. Mississippi: Creating the Perfect Policy Window for Oyster Regulation Revision (Presentation). American Association of Geographers, San Francisco, CA, April 2016.
4. Lafourche, Plaquemine, & Terrebonne Parish County Business Patterns: What can they tell us about the economy's response to hazards? (Presentation). American Association of Geographers, Chicago, IL, April 2015.
5. Resilience: the Strength of Coastal Communities (Presentation). Community Outreach & Dissemination Core Annual