

CURRICULUM VITAE
CLARK R. ALEXANDER, JR.

Revised 01-30-2026

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Education:

1990	Ph.D.	North Carolina State University, Geological Oceanography
1985	M.S.	North Carolina State University, Geological Oceanography
1983	B.S.	Humboldt State University, Oceanography (Cum Laude)
1983	B.A.	Humboldt State University, Geology

Work Experience:

2017-P	Director , Skidaway Institute of Oceanography, University of Georgia
2016-17	Interim Executive Director , Skidaway Institute of Oceanography, University of Georgia
2013-P	Professor , Department of Marine Sciences, University of Georgia
2003-17	Director , Applied Coastal Research Laboratory, Georgia Southern University
2003-P	Adjunct Faculty , Dept. of Marine Science, Savannah State University
2002-13	Professor , Skidaway Institute of Oceanography
1997-02	Associate Professor , Skidaway Institute of Oceanography
1996-P	Adjunct Faculty , Dept. of Earth and Atmospheric Sciences, Georgia Institute of Technology
1994-P	Adjunct Faculty , Dept. of Geology and Geography, Georgia Southern University
1991-97	Assistant Professor , Skidaway Institute of Oceanography
1989-91	Postdoctoral Scientist , Skidaway Institute of Oceanography
1987-89	Sedimentology Laboratory Manager , Marine Sciences Research Center, SUNY-Stony Brook
1983-87	Graduate Research Assistant , Dept. of Marine, Earth and Atmospheric Sciences, North Carolina State University

Professional Affiliations

American Geophysical Union
Coastal and Estuarine Research Federation
Geological Society of America
International Association of Sedimentologists
The Oceanography Society

PROFESSIONAL ACTIVITIES

Funding Experience:

Pending Proposals

2025 Community-Oriented Action, Science and Translation Superfund Center. National Institutes of Health. \$15,276,761 (\$263,017 subcontract from Emory University to co-PI Alexander); through 2029. Trump Administration declined to fund after NIH verbal approval; court challenge overturned decision. Awaiting NIH reconsideration.

Funded Proposals

Self-Directed Research Program:

- 2026 Hazard Vulnerability of the Georgia Coast: A Synthesis. GA Coastal Management Program. \$39,998 (through 2026).
- 2026 Pipeline Final Design of Nature-Based Solutions to Restore Marsh Near Naval Sub Base Kings Bay (GA). National Fish and Wildlife Foundation (subcontract from Georgia Institute of Technology). \$999,288 (\$418,634 subcontract from Georgia Institute of Technology to Alexander as co-PI), through 2029.
- 2025 LTER: Georgia Coastal Ecosystems V (with 20 co-PIs). NSF. \$7,542,000 (\$84,305 to Alexander, through 2031).
- 2024 Pipeline Building Resilience Capacity to Protect Coastal Communities and Wetlands at Naval Submarine Base Kings Bay, GA. National Fish and Wildlife Foundation. \$967,288. (\$410,938 subcontract from Georgia Institute of Technology to Alexander as co-PI), through 2026.
- 2023 Georgia Coastal Hazards Portal Upgrade and Hazard Vulnerability Assessment Training. GA Coastal Management Program. \$68,526 (through 2025).
- 2023 Filling Critical Data Gaps in the Distribution of Sand Resources in State Waters to Enhance Coastal Management in Georgia. GA Coastal Management Program. \$131,415 (through 2025).
- 2023 Monitoring Man-made Dunes and Beaches to Predict Future Change and Maintenance Needs: Drone Lidar Technology for Decision-making on Tybee Island, GA. City of Tybee Island. \$260,365 (through 2026).
- 2022 Shoreline Change and Beneficial Use of Dredge Spoil: Evaluating the Resiliency of Fort Pulaski National Monument. National Park Service. \$122,957 (through 2026).
- 2022 Assessing Trends in Sediment Accumulation Rates for Georgia Marsh Sustainability. GA Coastal Management Program. \$143,441 (through 2025).
- 2021 Flooding Dynamic Modeling Tools for Optimized Planning of CORE MPO Transportation Infrastructure Systems. Chatham County Metropolitan Planning Commission. \$150,000 (Co-PI, \$9,750 to Alexander).
- 2021 Creating Innovative and Robust Shoreline Datasets to Enhance Coastal Resiliency. NOAA Project of Special Merit. GA Coastal Management Program. \$198,895 (Co-PI, \$137,913 to Alexander).
- 2020 Integration of Fetch Analysis into AMBUR – Phase III. GA Coastal Management Program. \$50,000 (\$16,295 to Alexander).
- 2020 Development and Documentation of Best Practices for Drone Monitoring of Man-made Dunes on the Georgia Coast: A Tybee Island Case Study. GA Dept. of Community Affairs/City of Tybee Island. \$225,000.

- 2020 Integration of Fetch Analysis into AMBUR – Phase II. GA Coastal Management Program. \$50,000 (Co-PI, \$16,295 to Alexander).
- 2020 Sediment Analysis in the Intracoastal Waterway for Beneficial use of Dredge Spoil. US Army Corps of Engineers. \$10,050.
- 2020 City of Tybee Island, GA Coastal Marsh and Community Resilience Adaptation. National Fish and Wildlife Foundation. \$125,000 (Co-PI, \$28,161 to Alexander).
- 2019 LTER: Georgia Coastal Ecosystem Research – IV (with 16 co-PIs). NSF. \$5,880,000 (\$119,701 to Alexander, through 2025).
- 2019 Bird-Long Island Management Study Phase 2: Enhancement and Restoration Interventions for Bird-Long Island Shoreline Alternatives: Design and Modeling for Stewardship. Georgia Dept. of Transportation. \$167,624 (Co-PI, \$18,153 to Alexander).
- 2019 Mapping and Imaging Georgia's Artificial Reefs for Resource Management and Public Information – Phase II. GA Coastal Management Program. \$159,544.
- 2018 Mapping and Imaging Georgia's Artificial Reefs for Resource Management and Public Information – Phase I. GA Coastal Management Program. \$77,917.
- 2018 LTER: Georgia Coastal Ecosystem Research – IV (with 14 co-PIs). NSF. \$5,880,000 (Co-PI, \$94,000 to Alexander, through 2024).
- 2017 Studying the UGA Marine Science Campus on Skidaway Island as a model for achieving coastal resiliency in the face of extreme weather. UGA Presidential Seed Grant. \$136,085 (lead PI, \$18,043 to Alexander, with 9 co-PIs).
- 2016 Sedimentary Petrology and Geological Framework Investigations in the Southeastern U.S. Outer Continental Shelf. Bureau of Ocean Energy Management. \$249,999 (Co-PI, \$104,000 to Alexander).
- 2016 Shorelines, Sand Berms and Subtidal Channels: Updating the Geospatial Assessment of Ft. Pulaski National Monument, GA. National Park Service. \$149,999.
- 2016 Geospatial Sand Resource Assessment for Georgia Coastal Recovery and Resiliency - Phase II. Bureau of Ocean Energy Management. \$200,000.
- 2016 Bird-Long Island Management Study Phase 1A: The Application of Geospatial Tools to Quantify Shoreline Change and the Threat to Cultural and Natural Resources on Bird/Long Island. Georgia Dept. of Transportation. \$99,941 (\$81,164 to Alexander).
- 2016 Geospatial Integration to Advance Management in Coastal Georgia. GA Coastal Management Program. \$96,346.
- 2016 Improving Habitat Classification, Hazard Mitigation and Navigation in Coastal Georgia with a State-of-the-Art Bathymetric Sonar System – Phase III. GA Coastal Mgmt. Program. \$159,369.
- 2016 A Geospatial Assessment of Nearshore Sand Resources and Sediment Transport Pathways for Georgia Coastal Resiliency and Recovery. Georgia Sea Grant. \$139,104.
- 2014 Coastal sustainability: A cross-site comparison of salt marsh persistence in response to sea-level rise and feedbacks from social adaptations (with 7 co-PIs). NSF, \$1,996,971 (Co-PI, \$172,525 to Alexander).
- 2014 Improving Habitat Classification, Hazard Mitigation and Navigation in Coastal Georgia with a State-of-the-Art Bathymetric Sonar System – Phase II. GA Coastal Mgmt. Program. \$118,567
- 2014 Geospatial Sand Resource Assessment for Georgia Coastal Recovery and Resiliency. Bureau of Ocean Energy Management. \$200,000.
- 2013 High-Resolution Mapping of Vegetation, Elevation, Salinity and Bathymetry to Advance Coastal Habitat Management in Georgia. GA Coastal Management Program. \$159,303.
- 2013 Geospatial Characterization Studies for Advancing Estuarine Restoration and Management in Georgia. EPA. \$109,000.

- 2012 Synthesis of High and Low Marsh Habitat Mapping, Vulnerability and Responses to Sea-Level Rise in the South Atlantic Region. South Atlantic Landscape Conservation Cooperative. \$59,770.
- 2012 LTER: Georgia Coastal Ecosystem Research – III (with 14 co-PIs). NSF. \$5,880,000 (Co-PI, \$119,748 to Alexander).
- 2012 Designing a Multi-State and Regional Framework for CMSP and Decision-Making – Phase II: A South Atlantic Alliance Initiative. NOAA. \$80,000.
- 2012 Improving Habitat Classification, Hazard Mitigation and Navigation in Coastal Georgia with a State-of-the-Art Bathymetric Sonar System. GA CZM Program. \$82,947.
- 2012 Spatio-Temporal Assessment of Tidal Inlet and Stream Morphodynamics and Their Influence on Coastal Vulnerability. GA Sea Grant. \$29,414.
- 2012 Designing a Multi-State and Regional Framework for CMSP and Decision-Making: A South Atlantic Alliance Initiative. NOAA. \$377,578.
- 2012 Collaborative Research: Temporal resolution in benthic assemblages: assessing and modeling the roles of burial dynamics, seafloor type, and intrinsic factors using (un)natural experiments. NSF. \$210,000.
- 2011 Development of a Shoreline Restoration Prioritization Tool for Coastal Georgia. GA CZM Program. \$25,661.
- 2011 Coastal Hazards, Know the Facts. GA CZM Program. \$68,955.
- 2010 Coastal Hazards Education and Outreach Portal for Georgia, GA CZM Program. \$56,691.
- 2010 Statewide Assessment of Wrack Distribution in the Georgia Estuarine Environment Using Aerial Photography. Georgia DNR. \$99,740.
- 2009 Remote Bathymetric Measurements with NCAM. Savannah River National Laboratory/DOE. \$369,192.
- 2009 GIS and Field-Based Documentation of Armored Estuarine Shorelines in Georgia, Georgia Department of Natural Resources. \$69,619.
- 2008 Providing a Temporal Framework for Ossabaw Island in Support of Physical and Social Science Research. Ossabaw Island foundation. \$6,000.
- 2008 Quantifying the Impact of Recreational and Commercial Usage of the Atlantic Intracoastal Waterway on the Natural Resources of Georgia. GA CZM Program. \$126,924.
- 2008 Threatened Archaeological, Historic and Cultural Resources of the Georgia Coast: Identification, Prioritization and Management using GIS Technology, Phase II. GA CZM Program. \$149,170.
- 2007 Wrack Assessment Using Aerial Photography in Coastal Georgia. GA CZM Program. \$7,993.
- 2007 Assessing the Age and Character of Failure Deposits in Seward and Valdez, Alaska: Phase II. USGS. \$17,000.
- 2007 Assessing Shoreline Change and Coastal Hazards for the Georgia Coast. GA Sea Grant. \$92,890.
- 2007 Field Assessment and Simulation of Shading from Alternative Dock Construction Materials. GA CZM Program. \$195,488.
- 2007 Collaborative Research: Late Quaternary Framework of the Waipaoa Continental Margin: Quantifying Mass Fluxes and Event Stratigraphy for Integrated Source-to-Sink Studies. NSF. \$181,832.
- 2007 Further development of the eCoastal geodatabase for Regional Sediment Management. US Army Corps of Engineers. \$10,000.
- 2006 Developing a Coastal Imagery Archive for Research, Education and Management. GA-DNR, NOAA/NERR and Georgia View/USGS Programs. \$17,500.

2006 LTER: Georgia Coastal Ecosystem Research (with 13 other senior personnel). NSF. \$4,220,000 (\$116,720 to Alexander).

2006 Threatened Archaeological, Historic and Cultural Resources of the Georgia Coast: Identification, Prioritization and Management using GIS Technology. GA CZM Program. \$49,784.

2005 Assessing the Age and Character of Failure Deposits in Valdez and Seward Bays, Alaska, Using Multiple Radiotracer Methods. USGS. \$32,097.

2005 Supplement to Collaborative Research: Sediment Dynamics on the Actively Deforming Waipaoa Continental Slope: An Examination of a Dispersal System Sink. NSF. \$119,856.

2005 Development of the eCoastal geodatabase for Regional Sediment Management. US Army Corps of Engineers. \$17,962.

2004 Brunswick Historical Coring Study. New Fields LLC. \$96,625.

2004 Assessing Back-Barrier Erosion at Cumberland Island National Seashore through GIS Methods. National Park Service. \$2,000.

2004 Supplement to Sediment Mixing and Accumulation in the Southern California Bight. USGS. \$40,000.

2004 Assessing the Impacts of Dock Floats on Benthic Habitats in Coastal Georgia. GA CZM Program. \$7,000.

2004 Digitizing and Translating existing Bottom Character Maps for Deepwater Marine Habitat off the Southeastern US Margin. South Atlantic Fisheries Management Council. \$17,564.

2004 Collaborative Research: Sediment Dynamics on the Actively Deforming Waipaoa Continental Slope: An Examination of a Dispersal System Sink. NSF. \$377,628.

2004 Rates and Processes of Shoreline Change at Ft. Pulaski National Monument, GA: A GIS-Based Assessment. National Park Service. \$34,515.

2003 Temporal Framework and Sediment Characterization of Long Cores from the New Jersey Shelf in Support of the GEOCLUTTER Initiative. ONR. \$15,000.

2003 Supplement to Sediment Mixing and Accumulation in the Southern California Bight. USGS. \$40,000.

2003 Geologic Character and Temporal Framework of Long Cores from the New Jersey Margin: Final Sample Analysis and Data Synthesis for the ONR GEOCLUTTER Initiative. ONR. \$44,000.

2002 GIS and Field-Based Analysis of the Individual and Cumulative Impacts of Recreational Docks on the Saltmarshes of Georgia. GA CZM Program. \$37,921.

2002 Mapping the Distribution of Nearshore Artificial Reefs in Georgia. Georgia DNR. \$4,250.

2002 Analysis of Existing Barrier Island Research for Application to Back-Barrier Islands. GA CZM Program. \$2,400.

2002 Developing a Coordinated Research Strategy for Marsh Hammock Research. GA CZM Program. \$21,501.

2002 Habitat Mapping using Sidescan Sonar in Lake George, NY. Darrien Freshwater Inst. \$26,674.

2002 Support for Long Coring on the New Jersey Margin. ONR. \$72,803.

2002 Supplement to Sediment Mixing and Accumulation in the Southern California Bight. USGS. \$22,500.

2001 Salinity Intrusion and the Distribution of Fine-Grained Sediment Within the ACE Basin. ACE Basin NERR. \$5,000.

2001 State of Knowledge of the Satilla River Estuary. Georgia Sea Grant. \$44,557.

2001 Multibeam Mapping of Grays Reef National Marine Sanctuary. NOAA. \$10,600.

2001 Gulf Trough and Satilla Line Data Analysis. Georgia DNR-EPD. \$39,619.

2001 Toward Linking Seabed Stratigraphy and Nested Seismic Datasets in STRATAFORM: Finalizing Plans for Long Coring and Synthesizing Existing Physical Property Data. ONR. \$75,000.

- 2000 An Integrated GIS-Based Approach to Quantifying the Rates of Shoreline Change in the Georgia Bight, USGS. \$240,000.
- 2000 Using High-Resolution Stratigraphy for Understanding Continental Slope Sedimentary Processes: Integrating Results from the STRATAFORM Project, ONR. \$42,500.
- 2000 Supplement to Fine-Grained Sediment Dynamics Within the ACE Basin. ACE Basin NERR. \$1,500.
- 2000 Supplement to Sediment Mixing and Accumulation in the Southern California Bight. UGGS. \$10,000.
- 1999 High Resolution Pollution History Study in the Delaware River Estuary Near a Delaware City Refinery, Motiva Industries. \$281,192.
- 1999 Sediment Mixing and Accumulation in the Southern California Bight. USGS, \$47,000.
- 1998 Investigation of Sedimentary Processes on Millennial Timescales in an Accretionary Continental Margin Setting. ONR, \$175,000.
- 1998 Fine-Grained Sediment Dynamics Within the ACE Basin. ACE Basin NERR, \$5,000.
- 1998 Savannah Inlet and Estuarine Processes Study. Georgia CZM Program, \$151,386.
- 1998 Sediment Mixing and Accumulation in the Southern California Bight. USGS, \$80,000.
- 1998 Saltwater Intrusion and the Integrity of the Floridan Aquiclude. Georgia DNR-EPD, \$368,365.
- 1997 Supplement to Fine-Grained Sediment Dynamics Within the ACE Basin. ACE Basin NERR. \$5,000.
- 1997 Evaluating Processes of Wetlands Remediation in Diked Enclosures. Georgia DOT. \$258,000.
- 1997 Sediment Mixing and Accumulation in the Southern California Bight. USGS, \$40,000.
- 1997 Rates and Controls of Sediment Processes Regulating Nutrient Regeneration/Burial in the Satilla River Estuary. Georgia Sea Grant. \$120,685.
- 1997 Indicators of Trends Towards Coastal Eutrophication. NOAA-COP/SC Sea Grant LU-CES Program. \$17,000.
- 1996 Physical and Geophysical Survey System for Coastal and Inter-Coastal Waterways. NSF. \$56,000.
- 1996 Sediment Accumulation in Greenland Fjords, NSF, sub. to University of Colorado. \$2,500.
- 1996 Fine-Grained Sediment Dynamics Within the ACE Basin. ACE Basin NERR. \$7,500.
- 1996 Processes and Signatures of Sediment Supply, Redistribution, and Accumulation on an Accretionary Continental Margin. ONR. \$170,000.
- 1996 The Historical Record of Anthropogenic Organic Contaminants Within the Sapelo Island National Estuarine Research Reserve. GA-DNR/Sapelo Island NERR. \$11,000.
- 1995 Supplement to Particle-Bound Radionuclide Transport to the Bering Sea in the Anadyr River. ONR. \$6,000.
- 1995 Benthic Characterization of Wassaw Sound: Detailed Analysis. Georgia DNR. \$20,000.
- 1994 Benthic Characterization of Wassaw Sound: Initial Survey. Georgia DNR. \$20,000.
- 1994 The Historical Record of Non-Point Source Pollution to the Sapelo and ACE Basin National Estuarine Research Reserves. SC Sea Grant/GA DNR/ACE Basin NERR. \$10,500.
- 1994 LMER: A Comparative Study of the Transport and Transformation of Materials from Rivers Through the Land-Sea Margin. NSF. \$2,999,118. (with 9 co-PIs).
- 1994 Investigation of the Relationship Between Sedimentary Processes and Mass Movement in Continental Margin Environments. ONR. \$145,000.
- 1994 Supplement to Particle-Bound Radionuclide Transport to the Bering Sea in the Anadyr River. ONR. \$19,750.
- 1993 Particle-Bound Radionuclide Transport to the Bering Sea in the Anadyr River. ONR. \$70,000.
- 1992 Sedimentary Processes in Coastal Lagoons, Northern California. Humboldt State University Research Grant Fund. \$1,000.

- 1992 Sedimentological Evaluation of Savannah River and Brunswick Harbor Sediment. US Army Corps of Engineers. \$17,000.
- 1992 Historical Record of Sediment Contamination in the Savannah River Estuary. NOAA. \$175,000.
- 1991 Processes of Sediment Accumulation in Mid-Continent Saline Lakes, USGS-WRD. \$9,000.

Institutional Proposals:

- 2025 Dockage Services for Research Vessels. NOAA. \$33,636 (through 2026).
- 2024 UGA/Skidaway Institute of Oceanography R/V Savannah Oceanographic Technical Services. National Science Foundation. \$725,698 (through 2028).
- 2024 UGA/SkIO R/V Savannah Ship operations - CY2024-2029. National Science Foundation. \$5,225,910 (through 2029).
- 2018 Oceanographic Technical Services 2018-2024 UGA-SkIO R/V Savannah. NSF. \$450,257. (through 2024).
- 2018 NSF Oceanographic Facilities and Equipment Support – RV Savannah Operations. NSF. \$6,434,040. (through 2024).

Professional Service and Experience:

- 2026-P Past-President, Southern Association of Marine Laboratories.
- 2025 Session Co-Organizer, “Sediment Dynamics and Management in Back-Barrier and Estuarine Environments,” Coastal and Estuarine Research Federation Biennial Meeting, Nov. 9-13, 2025, Richmond, VA.
- 2025 Session Co-Organizer, “Integrated Research and Management in Coastal Plain, Back-Barrier, and Estuarine Systems,” Southeastern Section GSA Annual Meeting, March 19-21, 2025, Harrisonburg, VA.
- 2024-25 Georgia DNR Private Recreational Dock stakeholder group, technical expert and ex-officio member.
- 2024-25 President, Southern Association of Marine Laboratories.
- 2024-P Science and Implementation Advisory Committee member for USCRP proposal “Harnessing marsh spatial heterogeneity and hydroperiod for multiple benefits through community engagement.”
- 2023-P AGU EOS Science Advisor for Ocean Sciences.
- 2023 Washington Sea Grant proposal review panel member.
- 2023 Session Co-Organizer, “Resilience and resource strategies for the coastal and nearshore zone in a changing world,” Joint North Eastern-Southeastern GSA Annual Meeting 2023, Herndon, VA.
- 2022-23 President-Elect, Southern Association of Marine Laboratories.
- 2022-P Board of Directors, Southern Association of Marine Laboratories and National Association of Marine Laboratories
- 2020-22 Storm Surge Risk Communication advisory board member for NSF-funded project.
- 2019-21 Member-at-large, Southern Association of Marine Laboratories.
- 2019 South Carolina Sea Grant Consortium proposal review panel member.
- 2019 Session Organizer, “Offshore Research on the Mid- and South-Atlantic Continental Shelf”, SE GSA Meeting 2019, Charleston, SC.
- 2019 Session Organizer, “Coastal environments as geologic archives for assessing environmental change”, CERF 2019, Mobile, AL.
- 2018-19 Advisory committee member, GA coastal nonpoint source management plan.

2018 Program Review Panel member for Maryland Sea Grant Program.

2017 Washington Sea Grant proposal review panel member.

2016-22 Ossabaw Island Foundation Board of Trustees member.

2016-22 Consortium for Ocean Leadership representative for Skidaway Institute.

2016-P Southern Association of Marine Laboratories representative for Skidaway Institute.

2016 Convener, Coastal Resiliency, Storm-Damage Reduction, Navigation, and Other Applied Geological Studies Focused on the Land-Sea Transition” session, SE GSA, Columbia, SC.

2015-P Sapelo Island National Estuarine Research Reserve (SINERR) Advisory Group.

2015-P Member, GA-DNR Climate Change Community of Practice.

2015-18 Habitat and Ecosystems-Based Management Advisory Panel, South Atlantic Fisheries Management Council.

2015-17 Grays Reef National Marine Sanctuary Connectivity Working Group.

2015 Convener, Geospatial marsh mapping technique session at CERF 2015, Portland OR.

2015 Invited speaker on saltwater intrusion and sea level rise at workshop for the GA House Natural Resources and groundwater resources Committee

2015 External Reviewer for Dr. Rosnan Yaacob promotion to Professor, University Malaysia.

2015 Session moderator, Georgia Coastal Research Council Biennial meeting.

2014 Invited speaker for marsh buffer science at workshop for the GA House Natural Resources Committee

2014 Invited speaker and participant, Chatham County Disaster Recovery and Redevelopment Plan

2013 Convener, Coastal Hazard Vulnerability Assessment session at SE GSA meeting, Puerto Rico.

2013 Session leader, GeoPRISMS New Zealand Science Planning Meeting: Feedbacks between climate, sedimentation, and forearc deformation.

2013 Coauthor, Geological Society of America Position Paper “Managing U.S. Coastal Hazards”

2012-P SEAMAP Bottom Mapping and Fish Habitat Characterization and Assessment Work Group, Atlantic States Fisheries Management Council

2012-15 Georgia Coastal and Ocean Mapping Project, Agency Stakeholder Group member.

2012-14 City of Port Wentworth, GA Climate Change Adaptation Stakeholder Group member.

2011 Convener, Marsh Physical Dynamics Session, CERF Meeting (Daytona Beach, FL).

2011 Sea Grant panel reviewer for South Carolina and Washington state programs.

2011 Estuarine Shoreline Mapping Workshop for GA-SC-NC Practitioners.

2010-12 NSF Panel reviewer - Frontiers in Earth Systems Dynamics program (3 panels)

2010 Ad-hoc associate editor, Wetlands (journal).

2010 NSF MARGINS successor program planning meeting, San Antonio, TX.

2010 Chatham County Coastal Risk Workshop, invited speaker.

2010 Georgia National Wetlands Inventory Plus Planning Meeting.

2009 Panelist on Regional Coastal and Ocean Sciences Trends, SE-COSEE Board Meeting.

2009 NOAA workshop on Marine Spatial Planning, Charleston, SC.

2008-17 Technical Advisory Committee member, Chatham County Resource Protection Committee.

2008 Convener, Source-to-Sink Sediment Studies session, Ocean Sciences Meeting, Orlando, FL.

2008 Southwest Atlantic Ocean Margin Conference, Montevideo, Uruguay.

2007-12 SINERR NERRS Fellowship Review Committee.

2007-10 MMS Science Review Board, Literature Search and Data Synthesis project for the North and Central Atlantic Ocean.

2007 Field trip leader, 2007 SE GSA Annual meeting, Savannah, GA.

2007 Convener, Special session on SE US coastal geology at SE GSA Annual Meeting, Savannah, GA.

2006-18 Science Review Panel for Ossabaw Island Foundation.

2006-22 Science Advisory Group, Grays Reef National Marine Sanctuary.

- 2006-16 Southern Association of Marine Laboratories representative (alternate) for Skidaway Institute.
- 2005-15 Coral Advisory Panel, South Atlantic Fisheries Management Council.
- 2005-14 Sapelo Island National Estuarine Research Reserve (SINERR) Advisory Committee.
- 2005-14 SINERR Science Advisory Group.
- 2005-07 Field Trip co-chairman, 2007 SE GSA Annual meeting, Savannah, GA.
- 2005 Georgia Conservancy Permit Coordination Workgroup.
- 2004-10 CREST (LA wetlands restoration) Program Proposal Panel Review Member (annual cycle).
- 2004 GA-DNR Workshop on Open Marsh Water Management for Mosquito Control.
- 2004 GA Coastal Research Council Marsh Die-Back Symposium.
- 2004 Savannah River Basin Restoration Workshop, invited speaker.
- 2003-07 Ogeechee River Shortnose Sturgeon Federal Working Group.
- 2003-06 Coastal Hammocks Stakeholder's Council; Bulkhead Working Group chair.
- 2003-06 Skidaway Marine Science Foundation Board.
- 2003 NOAA Workshop on the Scientific Basis for Dock and Pier Management (GA State Rep.).
- 2003 NSF-MARGINS New Zealand Planning Workshop, Gisborne, NZ.
- 2002-12 Gray's Reef National Marine Sanctuary Advisory Council (Chair '09-'12, vice-chair '07-'09).
- 2002-06 Deep Water Protocol Subcommittee of Bottom Mapping Working Group.
- 2002-06 Technical Advisory Committee and Natural Resources Subcommittee of the Tridecadal City/County Master Zoning Steering Committee.
- 2002 Coastal Hammocks Stakeholder's Council.
- 2001-06 Bottom Mapping Working Group, South Atlantic Fisheries Management Council (GA State Rep.).
- 2001 Convener, Estuarine Sediment Record session at SE-GSA meeting.
- 2001 Review panel for Oceanography discipline, EPA fellowship program.
- 2001 Coastal Marsh Hammock Advisory Council.
- 2001 Organizer, Coastal Erosion Workshop, Skidaway Institute of Oceanography.
- 2000-04 Floridan Aquifer Task Force for Savannah Harbor deepening project.
- 2000 NSF MARGINS Sed/Strat science implementation workshop.
- 1999 NSF MARGINS Sed/Strat programmatic planning workshop.
- 1998-06 Georgia State Shore Protection Committee and Coastal Marshlands Protection Committee.
- 1998-03 Coordinator, STRATAFORM Deep-Coring initiative. Planning meeting at Skidaway in 1998.
- 1996-10 Savannah Area Geological Society. Founding/Steering Committee Member; Treasurer 1999-2006.
- 1996 NSF Siliciclastic Sedimentation Workshop.
- 1996 Southeast U.S. NOAA-Coastal Ocean Program Planning Workshop.
- 1996 Field Trip Co-Leader (two trips), International Conference on Tidal Sedimentation (Tidalites '96).
- 1996 Co-organizer, NSF-LMER All-Scientist's Meeting in Savannah, GA.
- 1995-96 Field Trips Chairman, International Congress on Tidal Sedimentation (Tidalites '96).
- 1995 Ocean Drilling Program Slope Stability Workshop.
- 1994 NOAA National Undersea Research Center, Carolina Capes Region Strategic Planning Workshop.
- 1994 Session Chairman, SE Coastal Ocean Research Symposium, Seabrook Island, SC.
- 1993-94 ONR Planning Workshops on Continental-Terrace (Shelf and Slope) Sediment Processes.
- 1993 First Southeast Coastal Ocean Research Symposium (steering committee).
- 1991-93 Sediment Processes Working Group Chair, Coastal Ocean Boundaries Interactions and Assessments (COBIA) Initiative, GA/SC Sea Grant.
- 1991-P Proposal reviewer for **CT, GA, NC, NH, NY, PR, SC, TX and WA Sea Grant; NSF; NOAA; EPA; Hudson River Foundation; National Fish and Wildlife Fund; US Dept. Interior; US Dept. State.**
- 1990-91 Georgia Nonenergy Offshore Minerals Task Force.

- 1988-P Manuscript reviewer for **Continental Shelf Research, Estuaries and Coasts, Geology, Geo-Marine Letters, Journal of Geology, Journal of Sea Research, Journal of Sedimentary Research, Marine Geology, Quaternary Science Reviews, PLoS One, Oceanography, and Estuarine, Coastal and Shelf Science.**
- 1986 Films Committee Chairman, SEPM Midyear Meeting, Raleigh, NC.

Awards:

- 2016 Recognized for coastal research and collaboration in Georgia by environmental organization *The 100 Hundred Miles.*
- 2014 Elected Associate of the Center for Archaeological Sciences, University of Georgia.
- 2011 Selected for the Institute for Georgia Environmental Leadership.
- 2010 Graduate of the University System of Georgia Executive Leadership Institute.
- 2007 Preservation Achievement Award, Historic Resources Division, Georgia Dept. of Natural Resources.
- 2006 Commendation Resolution from Dept. of Natural Resources Board for dedicated service on the Georgia State Shore Protection and Coastal Marshlands Protection Committees
- 1982 Outstanding Oceanography Senior Scholarship award, Humboldt State University

Institutional Service:

- 2025 UGA Department of Marine Sciences program review committee.
- 2024 UGA Department of Marine Sciences 5-y strategic hiring committee.
- 2024 Post-tenure review committee for MARS/Skidaway faculty Cliff Buck.
- 2023-24 UGA Department of Marine Sciences Promotion and Tenure Guidelines Revision Committee.
- 2022 Post-tenure review committee for MARS faculty Patricia Yager.
- 2020 Post-tenure review coordinator for MARS chair Daniela Di Iorio.
- 2019-21 UGA Department of Marine Sciences Strategic Planning committee.
- 2019-20 Chair, performance review committee for Savannah River Ecology Laboratory.
- 2019-P UGA Dept. of Marine Sciences curriculum committee.
- 2018-24 Project lead for mid-life refit of the RV Savannah.
- 2017-P Director, UGA Skidaway Institute of Oceanography.
- 2016-17 Interim Executive Director, UGA Skidaway Institute of Oceanography.
- 2016 Marine Superintendent search committee (chair).
- 2016 Third-year review committee for C. Buck (chair).
- 2016 Third-year review committee for C. Edwards.
- 2015-16 Skidaway IT Director search committee.
- 2015-P UGA Dept. of Marine Sciences undergraduate committee.
- 2014-15 Oceanographer search committee (2 positions).
- 2014 UGA Dept. of Marine Science Promotion and Tenure update committee.
- 2012-13 Environmental chemist search committee (chair).
- 2011-12 Fifth-year review committee for M. Frischer (chair).
- 2010-18 Ship committee.
- 2010 Promotion committee for J. Brandes (chair).
- 2010 Education effectiveness evaluation committee.
- 2009-10 Zooplankton ecologist search committee.
- 2009-10 Geohydrologist search committee (chair).
- 2009 Benthic boundary layer dynamicist search committee (chair).

2009 Promotion committee for D. Savidge.
 2009 Promotion committee for B. Savidge.
 2008 Promotion review committee for K. Haas, outside member (GT-Savannah).
 2007 Promotion review committee for H. Fritz, outside member (GT-Savannah).
 2006 Environmental chemist search committee (chair).
 2005-09 Skidaway/Georgia Tech-Savannah joint education program planning committee.
 2004-13 Faculty review committee for L. Mann.
 2004-14 Faculty review committee for B. Savidge (chair).
 2004 IT manager search committee.
 2004 Librarian search committee (chair).
 2002-06 Staff evaluation review committee (chair 2003, 2006).
 2001 Institute director search committee, senior faculty representative.
 1999-08 Marine Operations committee (1999-2001, 2008); transitioned to Ship Committee in 2010.
 1997-01 Information Technology committee.
 1996-02 Space committee (chair 1999-2002).
 1996-18 Library committee (1996-2002, 2005-P).
 1994-10 Small Boats committee (chair 1996-1999, 2002-2010); merged with Ship Committee in 2010.

Field Experience (1983-P):

- Participated in 67 field programs including 12 in foreign countries.
- Chief Scientist on 30 oceanographic cruises using UNOLS, NOAA and non-U.S. vessels.
- More than 2.5 years of cumulative time spent on UNOLS (Blue Fin, Cape Henlopen, Kilo Moana, Knorr, Melville, Savannah, Thompson, Washington, Wecoma), NOAA (Whiting, Ferrel, Foster) and foreign (Chinese RV Science 1, French RV Marion Dufresne II, New Zealand RV Tangaroa) vessels.
- Experienced with marine coring equipment, geophysical data acquisition systems [sidescan, subbottom, interferometric and multibeam bathymetry], remote sensing, GIS, CTDs and ROVs.

Publications (*advisee author, #corresponding author):

Peer-Reviewed Publications

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96. Mariotti G, Ceccherini G, **Alexander C.R.**, Spivak AC. 2024. Centennial changes of salt marsh area in Coastal Georgia (USA) related to large-scale sediment dynamics by river, waves, and tides. *Estuaries and Coasts*. 2024 July 18; 47:1498. <https://doi.org/10.1007/s12237-024-01383-2>
95. Yang, Z.*, **Alexander, C.**, and M. Alber. 2024. The dynamics of marsh-channel slump blocks: an observational study using repeated drone imagery. *Biogeosciences*, 21:1757-1772. <https://doi.org/10.5194/bg-21-1757-2024>
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93. Sytsma, C., Jackson, R., Risse, M., Kurth, M., **Alexander, C.**, Bilskie, M., Villegas, O. and E. Kaladjian. 2023. Coastal Sediment Budgeting to Match Sediment Supplies, Dredging Volumes, and Natural Infrastructure Enhancement Needs for Sea-Level Rise Adaptation. *Proceedings of the 2023 Georgia Water Resources Conference, March 30–31, 2023, Athens, GA*. p. 60-64.
92. Robinson, M., **Alexander, C.#**, and C. Venherm. 2022. Shallow Water Estuarine Mapping in High-Tide-Range Environments: A Case Study from Georgia, USA. *Estuaries and Coasts*. <https://doi.org/10.1007/s12237-021-01032-y>
91. Long, J.H., Hanebuth, T.J., **Alexander, C.R.**, and J. Wehmler. 2021. Depositional Environments and Stratigraphy of Quaternary Paleochannel Systems Offshore of the Georgia Bight, Southeastern U.S.A. *Journal of Coastal Research* 37:883–905. <https://doi.org/10.2112/JCOASTRES-D-20-00088.1>
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86. **Alexander, C.**, Venherm, C. and M. Robinson. 2020. Geospatial Sediment Assessment for Georgia Estuarine, Coastal and Shelf Environments *in* Roberson, K.W., P.J. Auster, S. Fangman, and M. Harvey (eds.), *Review of Scientific Research in and around the Designated Research Area of Gray's Reef National Marine Sanctuary (NW Atlantic)*. *Marine Sanctuaries Conservation Series ONMS-20-08*. U.S. Department of Commerce, National Oceanic and Atmospheric Administration, Office of National Marine Sanctuaries, Silver Spring, MD. pp. 150-156.
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82. Leonard-Pingel, J.S., Kidwell, S.M., Tomašových, A., **Alexander, C.R.** and D. Cadien. 2019. Gauging benthic recovery from 20th-century pollution on the southern California continental shelf using bivalves from sediment cores. *Marine Ecology Progress Series*. Vol. 615:101–119. <https://doi.org/10.3354/meps12918>
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18. Windom, H., Smith, R., Niencheski, F. and **C. Alexander**. 2000. Uranium in Rivers and Estuaries of Globally Diverse, Smaller Watersheds. *Marine Chemistry*, 68:307-321.
17. Wiegert, R., Alber, M., **Alexander, C.**, Blanton, J., Chalmers, A., Hodson, R., Moran, M., Pomeroy, L. and W. Wiebe. 1999. The Georgia Rivers Land Margin Ecosystem Research Program. *Limnologica*, 29:286-292.
16. **Alexander, C.**, Smith, R., Loganathan, B., Ertel, J., Windom, H. and R. Lee. 1999. Pollution History of the Savannah River Estuary and Comparisons with Baltic Sea Pollution History. *Limnologica*, 29:267-273.
15. Blanton, J., **Alexander, C.**, Alber, M. and G. Kineke. 1999. The Mobilization and Deposition of Mud Deposits in a Coastal Plain Estuary. *Limnologica*, 29:293-300.
14. **Alexander, C.** and H. Windom. 1999. Quantification of Natural Backgrounds and Anthropogenic Contaminants in a Pristine Arctic Environment: The Anadyr River Basin, Chukotka Peninsula, Russia. *Marine Pollution Bulletin*, 38:276-284.
13. **Alexander, C.** and A. Simoneau. 1999. Spatial Variability in Sedimentary Processes on the Eel River Continental Slope. *Marine Geology*, 154:243-254.
12. Sommerfield, C.K.*, Nittrouer, C.A. and **C.R. Alexander**. 1999. ⁷Be as a Tracer of Flood Sedimentation on the Northern California Continental Margin. *Continental Shelf Research*, 19:335-361.
11. Davis, R.A., **Alexander, C.R.** and V.J. Henry. 1998. Tidal Sedimentology: Historical Background and Current Contributions in *Tidalites: Processes & Products*, **C. Alexander**, R. Davis, and J. Henry (eds.). SEPM Special Pub. 61, pp. 1-4.
10. R. Lent and **C. Alexander**. 1997. Mercury Accumulation in Devils Lake, North Dakota -Effects of Environmental Variation in Closed-Basin Lakes on Mercury Chronologies. *Water, Air, and Soil Pollution*, 98: 275-296.
9. Syvitski, J., **Alexander, C.**, Field, M., Gardner, J., Orange, D. and J. Yun*. 1996. Continental Slope Sedimentation: the View from Northern California. *Oceanography*, 9(3):163-167.

8. Park, Y.A., Wells, J.T., Kim, B.W. and **C.R. Alexander**. 1996. Tidal Lamination and Facies Development in the Macrotidal flats of Namyang Bay, West Coast of Korea **in** Tidal Signatures in Modern and Ancient Sediments, B.W. Flemming and A. Bartholoma (eds.) IAS Spec. Pub. 24, pp.183-192.
7. Verity, P.G., Lee, T.N., Yoder, J.A., Paffenhofer, G. A., Pomeroy, L.P., Jahnke, R.A. and **C.R. Alexander**. 1993. Processes on the Outer Continental Shelf of the South Atlantic Bight: A Synthesis of DOE sponsored Research **in** D.W. Menzel, ed., Ocean Processes: U.S. Southeast Continental Shelf. U.S. Department of Energy, Oak Ridge, TN. Publication DE93010744, pp. 45-74.
6. Menzel, D.W., Pomeroy, L.P., Lee, T.N., Blanton, J.O. and **C.R. Alexander**. 1993. Introduction to Ocean Processes: U.S. Southeast Continental Shelf **in** D.W. Menzel, ed., Ocean Processes: U.S. Southeast Continental Shelf. U.S. Department of Energy, Oak Ridge, TN. Publication DE93010744, pp. 1-8.
5. **Alexander, C.R.**, Smith, R., Schropp, S., Calder, F. and H. Windom. 1993. The Historical Record of Metal Enrichment in Two Florida Estuaries. Estuaries, 16:627-637.
4. Eisma, D., Augustinus, P.G.E.F. and **C.R. Alexander**. 1991. Recent and Subrecent Changes in the Dispersal of Amazon Mud. Netherlands Journal of Sea Research, 28:181-192.
3. **Alexander, C.R.**, Nittrouer, C.A., DeMaster, D.J., Park, Y.A. and S.C. Park. 1991. Macrotidal Mudflats of the Southwestern Korean Coast: A Model for the Interpretation of Intertidal Deposits. Journal of Sedimentary Petrology, 61:805-824.
2. **Alexander, C.R.**, Nittrouer, C.A. and D.J. DeMaster. 1991. Sediment Accumulation in a Modern Epicontinental-Shelf Setting: The Yellow Sea. Marine Geology, 98:51-72.
1. **Alexander, Jr., C.R.***, Nittrouer, C.A. and D.J. DeMaster. 1986. High-resolution seismic stratigraphy and its sedimentological interpretation on the Amazon continental shelf. Continental Shelf Research, 6:337-357.

Peer-Reviewed Publications in Press

1. None

Peer-Reviewed Publications in Review

1. None

Peer Reviewed Publications in Preparation

1. Hladik, C., **Alexander, C.**, Alber, M., Pennings, S. and A. Weiski. Geomorphology and Ecological Significance of Marsh Islands of the Southeastern United States. Estuaries and Coasts.
2. Alexander, C., Venherm, C., and M. Robinson. Sediment Dynamics and Accretion in Georgia Salt Marshes. Estuaries and Coasts.
3. Alexander, C., Krezdorn, K. and M. Robinson. Sediment distribution and transport in Georgia state waters. Shore and Beach.

Books

1. **Alexander, C.**, Davis, R. and J. Henry (eds.). 1998. Tidalites: Processes & Products. SEPM Special Publication No. 61, 176 p.

Geospatial Web Portals

3. **Alexander, C.** Georgia Coastal Hazards Portal 3.0 (2026; gchp.skio.uga.edu) – updated ArcGIS Online platform with new tools; contains relevant coastal datasets for the management community and public to use in evaluating exposure to coastal hazards (e.g., shoreline change, sea-level rise, hurricane storm surge, shallow flooding).
2. **Alexander, C.** Georgia Coastal Hazards Portal 2.0 (2017; gchp.skio.uga.edu) – updated platform with new tools; contains relevant coastal datasets for the management community and public to use in evaluating exposure to coastal hazards (e.g., shoreline change, sea-level rise, hurricane storm surge, shallow flooding).
1. **Alexander, C.** Georgia Coastal Hazards Portal 1.0 (2008; gchp.skio.usg.edu) – contains relevant coastal datasets for the management community and public to use in evaluating exposure to coastal hazards (e.g., shoreline change, sea-level rise, hurricane storm surge, shallow flooding).

Dataset Citations

7. Alexander, C. (2020). RV Savannah cruise 20-04 underway data. Rolling Deck to Repository archive.
6. Alexander, C. (2019). RV Savannah cruise 18-02 underway data. Rolling Deck to Repository archive. <https://doi.org/doi:10.7284/908240>
5. Alexander, C., (2015). Raw ship-based Gravimeter Data from the New Zealand Margin acquired during the Kilo Moana expedition KM0503 (2005). Integrated Earth Data Applications (IEDA). doi: <http://dx.doi.org/10.1594/IEDA/308432>
4. Alexander, C., (2015). Raw CTD Data from the New Zealand Margin acquired during the Kilo Moana expedition KM0503 (2005). Integrated Earth Data Applications (IEDA). doi: <http://dx.doi.org/10.1594/IEDA/307826>
3. Alexander, C., (2015). Processed Acoustic Backscatter Grids (NetCDF:GMT format) derived from ship-based Multibeam Sonar Data from the New Zealand Margin acquired during the Kilo Moana expedition KM0503 (2005). Integrated Earth Data Applications (IEDA). doi: <http://dx.doi.org/10.1594/IEDA/307704>
2. Alexander, C., (2015). Processed Sidescan Grids (NetCDF:GMT format) derived from ship-based Multibeam Sonar Data from the New Zealand Margin acquired during the Kilo Moana expedition KM0503 (2005). Integrated Earth Data Applications (IEDA). doi: <http://dx.doi.org/10.1594/IEDA/307680>
1. Alexander, C., (2015). Processed Bathymetry Grids (NetCDF:GMT format) derived from ship-based Multibeam Sonar Data from the New Zealand Margin acquired during the Kilo Moana expedition KM0503 (2005). Integrated Earth Data Applications (IEDA). doi: <http://dx.doi.org/10.1594/IEDA/307644>

Non Peer-Reviewed Publications

12. Rich, F. and **C. Alexander** (editors). 2007. Field Trip Guidebook for the 56th Annual Meeting of the Southeastern Section, Geological Society of America, 198 p.
11. **Alexander, C.R.** and V.J. Henry. 2007. Wassaw and Tybee Islands – Comparing Undeveloped and Developed Barrier Islands *in* F. Rich and C. Alexander, eds., Field Trip Guidebook for the 56th Annual Meeting of the Southeastern Section, Geological Society of America, p. 187-198.
10. Henry, V.J., **Alexander, C.R.** and A.M. Foyle. 2002. Gulf Trough and Satilla Line Data Analysis. Georgia Geologic Survey Publication Series, Report 48.

9. McFall, G. and **C. Alexander**. 2001. A Hydrographic Survey of the Seafloor at Gray's Reef National Marine Sanctuary. Skidaway Marine Science Foundation Newsletter, 17:17-18.
8. Foyle, A.M., Henry, V.J. and **C. Alexander**. 2001. Seawater Intrusion Threat to the Upper Floridan Aquifer, Coastal Georgia and South Carolina. Georgia Geologic Survey Publication Series, Report 39.
7. Greenstein, D., S. Bay, A. Jirik, J. Brown and **C. Alexander**. 2000. Toxicity Assessment of Sediment Cores from Santa Monica Bay. SCCWRP Annual Report, 20 p.
6. Foyle, A.M., Henry, V.J. and **C.R. Alexander**. 1999. Phase I findings Report: Miocene Aquiclude Mapping Project. Georgia Geologic Survey Project Report 39, 34 p.
5. **Alexander, C.**, Ertel, J., Lee, R., Loganathan, B., Martin, J., Smith, R., Wakeham, S. and H. Windom. 1997. Pollution History of the Savannah River Estuary. NOAA Technical Memorandum NOS ORCA 115, 178 p.
4. **Alexander, C.**, Eckman, J.E., Henry, V.J. and R.L. Marinelli. 1997. Benthic Characterization of Wassaw Sound: Detailed Analysis. Georgia Department of Natural Resources, Coastal Resources Division, Brunswick, GA. Contribution Series No. 58, 56 p.
3. Lee, D., **Alexander, C.**, Ertel, J., Loganathan, B., Wakeham, S., Windom, H., Smith, R., Martin, J. and D. Wells. 1994. Pollution History of the Savannah River Estuary. Skidaway Institute of Oceanography Environmental Report Series, Report 1, 4 p.
2. **Alexander, C.R.** 1993. The 1886 Charleston Earthquake: Lessons Learned and Lessons Forgotten. Skidaway Marine Science Foundation Newsletter, June 1993.
1. **Alexander, C.R.** 1991. Barrier Islands: A Geological Perspective. Skidaway Marine Science Foundation Newsletter, March 1991.

Unpublished Reports

38. **Alexander, C.** 2021. Mapping and Imaging Georgia's Artificial Reefs for Resource Management and Public Information – Phase II, Year 1. Final Report to the Georgia Department of Natural Resources, Brunswick, GA. 111 p.
37. **Alexander, C.**, Venherm, C. and J. Long. 2020. Hurricane Sandy Coastal Recovery and Resiliency – Resource Identification, Delineation and Management Practices: Georgia Cooperative Agreement. Geospatial Sand Resource Assessment for Georgia Coastal Recovery and Resiliency – Phase II. Final Technical Report to the Bureau of Ocean Energy Management, Washington, DC. 83 p.
36. **Alexander, C.**, Venherm, C. and J. Long. 2020. Hurricane Sandy Coastal Recovery and Resiliency – Resource Identification, Delineation and Management Practices: Georgia Cooperative Agreement. Geospatial Sand Resource Assessment for Georgia Coastal Recovery and Resiliency – Phase II. Final Summary Report to the Bureau of Ocean Energy Management, Washington, DC. 16 p.
35. **Alexander, C.** 2020. Mapping and Imaging Georgia's Artificial Reefs for Resource Management and Public Information. Final Report to the Georgia Department of Natural Resources, Brunswick, GA. 149 p.
34. **Alexander, C.** 2019. Improving Habitat Classification, Hazard Mitigation and Navigation in Coastal Georgia with a State-of-the-Art Bathymetric Sonar System – Phase III (Sapelo Sound). Final Report to the Georgia Department of Natural Resources, Brunswick, GA. 82 p.
33. **Alexander, C.** 2017. Improving Habitat Classification, Hazard Mitigation and Navigation in Coastal Georgia with a State-of-the-Art Bathymetric Sonar System – Phase II (Ossabaw Sound). Final Report to the Georgia Department of Natural Resources, Brunswick, GA. 79 p.

32. **Alexander, C.** 2016. Hurricane Sandy Coastal Recovery and Resiliency – Resource Identification, Delineation and Management Practices: Georgia Cooperative Agreement. Geospatial Sand Resource Assessment for Georgia Coastal Recovery and Resiliency. Final Technical Report to the Bureau of Ocean Energy Management, Washington, DC. 21 p.
31. **Alexander, C.** 2016. Hurricane Sandy Coastal Recovery and Resiliency – Resource Identification, Delineation and Management Practices: Georgia Cooperative Agreement. Geospatial Sand Resource Assessment for Georgia Coastal Recovery and Resiliency. Final Summary Report to the Bureau of Ocean Energy Management, Washington, DC. 11 p.
30. **Alexander, C.** 2016. Geospatial Characterization Studies for Advancing Estuarine Restoration and Management in Georgia. Final Report to the Georgia Department of Natural Resources, Brunswick, GA. 19 p.
29. **Alexander, C** and C. Hladik. 2015. High-Resolution Mapping of Vegetation, Elevation, Salinity and Bathymetry to Advance Coastal Habitat Management in Georgia. Final Report to the Georgia Department of Natural Resources, Brunswick, GA. 141 p. with appendices.
28. Cherry, C., **Alexander, C.** and D. Hernandez. 2014. Designing a Multi-State and Regional Framework for Ocean Planning and Decision-Making: A South Atlantic Alliance Initiative - Phase II. Final Report to the NOAA Regional Ocean Partnership Program, Silver Spring, MD. 101 p.
27. **Alexander, C.** 2014. Improving Habitat Classification, Hazard Mitigation and Navigation in Coastal Georgia with a State-of-the-Art Bathymetric Sonar System (Wassaw Sound). Final Report to the Georgia Department of Natural Resources, Brunswick, GA. 68 p.
26. Cherry, C., **Alexander, C.** and D. Hernandez. 2014. Designing a Multi-State and Regional Framework for Ocean Planning and Decision-Making: A South Atlantic Alliance Initiative - Phase I. Final Report to the NOAA Regional Ocean Partnership Program, Silver Spring, MD. 18 p.
25. **Alexander, C.** 2012. Field Assessment and Simulation of Shading from Alternative Dock Construction Materials. Final Report to the Georgia Department of Natural Resources, Brunswick, GA. 114 p.
24. **Alexander, C.** Development of a Shoreline Restoration Prioritization Tool for Coastal Georgia. 2011. Final Report to the Georgia Department of Natural Resources, Brunswick, GA. 12 p.
23. **Alexander, C.** 2011. Statewide Assessment of Wrack Distribution in the Georgia Estuarine Environment Using Aerial Photography. Final Report to the Georgia Department of Natural Resources, Brunswick, GA. 14 p.
22. **Alexander, C.R.,** Venherm, C., McCabe, C., Robinson, M. Perez-Sanchez, N., and D. Crass. 2011. Threatened Archaeological, Historic and Cultural Resources of the Georgia Coast: Identification, Prioritization and Management using GIS Technology, Phase II. Final Report to the Georgia Department of Natural Resources, Brunswick, GA. 19 p., with appendices (Appendix 1: Site-Specific Shoreline Change Analysis Results and Discussion, 130 p.; Appendix 2: Miscellaneous Archaeological Site Details and Field Observations, 32 p.).
21. **Alexander, C.R.,** Venherm, C., Perez-Sanchez, N., Robinson, M. and L. DeLeo. 2011. Quantifying the Impact of Recreational and Commercial Usage of the Atlantic Intracoastal Waterway on the Natural Resources of Georgia. Final Report to the Georgia Department of Natural Resources, Brunswick, GA. 74 p.
20. **Alexander, C.R.,** 2010. GIS and Field-Based Documentation of Armored Estuarine Shorelines in Georgia. Final Report to the Georgia Department of Natural Resources, Brunswick, GA. 19 p.
19. **Alexander, C.R.** Wrack Assessment Using Aerial Photography in Coastal Georgia. 2008. Final Report to the Georgia Coastal Zone Management Program, 20 p.
18. **Alexander, C.R.** Rates and Processes of Shoreline Change at Ft. Pulaski National Monument. 2008. Final Report to the National Park Service, 58 p.

17. **Alexander, C.R.**, Robinson, M., Jackson, C., McCabe, C. and D. Crass. 2008. Threatened Archaeological, Historic and Cultural Resources of the Georgia Coast: Identification, Prioritization and Management Using GIS Technology. Final Report to the Georgia Coastal Zone Management Program and Historic Preservation Division of GA-DNR, 23 p. (public release), 103 p. (HPD release with site information).
16. **Alexander, C.R.**, Robinson, M.H., Curran, M.C. and D. Hoskins. 2006. Assessing the Impacts of Floating Docks on Bottom Character and Benthic Productivity in Coastal Georgia. Final Report to the Georgia Coastal Zone Management Program, 68 p.
15. **Alexander, C.R.** and M.H. Robinson. 2006. Quantifying the Ecological Significance of Marsh Shading: The Impact of Private Recreational Docks in Coastal Georgia. Final Report to the Georgia Coastal Zone Management Program, 47 p.
14. **Alexander, C.R.** and M.H. Robinson. 2004. A Semi-Annotated Bibliography of Barrier-Island Studies Applicable to Georgia's Back-Barrier Islands. Final Report to the Georgia Coastal Zone Management Program, 42 p.
13. **Alexander, C.R.** and M.H. Robinson. 2004. GIS and Field-Based Analysis of the Impacts of Recreational Docks on the Saltmarshes of Georgia. Final Report to the Georgia Coastal Zone Management Program, 40 p.
12. Foyle, A.M., Henry, V.J. and **C.R. Alexander**. 2004. Georgia-South Carolina Coastal Erosion Study: Phase 2 Southern Study Region. State of Knowledge Report and Semi-annotated Bibliography. Final Report to South Carolina Sea Grant and the United States Geological Survey. 251 p.
11. Alber, M., **Alexander, C.**, Blanton, J. Chalmers, A. and K. Gates. 2003. The Satilla River Estuarine System: The Current State of Knowledge. Final Report to GA/SC Sea Grant Programs, 54 p.
10. Kendall, M. S., O. P. Jenson, G. McFall, R. Bohne, D. Field, **C. Alexander** and M. E. Monaco. 2003. Benthic Habitats of Gray's Reef National Marine Sanctuary. Report Submitted to Gray's Reef National Marine Sanctuary. 17 p.
9. **Alexander, C.R.** and J. A. Austin, Jr. 2003. Cruise Report – KN167-KN168A/B: “AHC-800 Coring on the New Jersey Shelf for ONR’s Geoclutter Initiative”, *R/V KNORR*, 27 September – 17 October 2002.
8. Kendall, M. S., O. P. Jensen, **C. Alexander**, D. Field, G. McFall, R. Bohne and M. E. Monaco. 2002. Benthic Mapping Using Sonar, Video Transects, and an Innovative Approach to Accuracy Assessment: A Characterization of Bottom Features on the Georgia Bight. Report Submitted to Gray's Reef National Marine Sanctuary. 30 p.
7. Foyle, A.M., Henry, V.J., and **C. Alexander**. 2001. Using Marine Reflection Seismics to Identify Potential Seawater Intrusion Sites in the Upper Floridan Aquifer of Coastal Georgia and South Carolina. Proceedings of the 2001 Georgia Water Resources Conference.
6. **Alexander, C.R.** The Historical Record of Anthropogenic Organic Contaminants within the Sapelo Island National Research Reserve. 1999. Final Report to the Sapelo Island National Research Reserve, 20 p.
5. **Alexander, C.**, Eckman, J.E., Henry, V.J. and R.L. Marinelli. 1995. Benthic Characterization of Wassaw Sound: A Pilot Study. Final Report to the Georgia Department of Natural Resources, Coastal Resources Division, Brunswick, GA, 18 p.
4. **Alexander, C.** and B. Wenner. 1995. Evaluating the Historical Record of Nonpoint Source Pollution in the Ace Basin and Sapelo Island National Estuarine Research Reserves. Final report to Georgia DNR/SC Sea Grant.
3. **C. Alexander**, J. Ertel, R. Lee, B. Loganathan, J. Martin, R. Smith, S. Wakeham, and H. Windom. 1994. Pollution History of the Savannah River Estuary. Final Report to NOAA/National Status and Trends Program, September 1994. Vol. 1 (Text - 39 p.), 2 (Figures - 78 p.), 3 (Appendices - 61 p.).

2. Windom, H., **Alexander C.**, Lee, R., and R. Smith. 1992. Physical and Chemical Analysis and Bioassay of Sediments in the Savannah River Entrance Channel. Final Report to the US Army Corps of Engineers, Savannah District. 144 p.
1. Windom, H., **Alexander C.**, Lee, R., and R. Smith. 1992. Physical and Chemical Analysis and Bioassay of Sediments in the Savannah River Entrance Channel. Final Report to the US Army Corps of Engineers, Savannah District. 142 p.

Published Abstracts (10 most recent out of 198; * denotes student author)

10. **Alexander, C.**, Venherm, C., Beeck, J., Robinson, M. and K. Krezdorn. Sediment Accumulation Patterns in Coastal Georgia and Implications for Beneficial Use of Dredge Material. Coastal and Estuarine Research Federation Biennial Meeting, Nov. 9-13, 2025, Richmond, VA.
9. Venherm, C., Robinson, M., Krezdorn, K., Beeck, J., Robertson, A. and **C.R. Alexander**. Using Drone Technology to Quantify Fair-Weather and Storm Effects to Inform Beach Management on Tybee Island, Georgia. Coastal and Estuarine Research Federation Biennial Meeting, Nov. 9-13, 2025, Richmond, VA.
8. Krezdorn, K., Robinson, M., Venherm, C. and **C.R. Alexander**. Sediment Distributions, Resources and Inferred Transport Patterns on beaches and waters of the Georgia Coast. Coastal and Estuarine Research Federation Biennial Meeting, Nov. 9-13, 2025, Richmond, VA.
7. Jeffries, C.R., Bilskie, M., Gupta, A. and **C.R. Alexander**. Investigating Sediment Dynamics and Marsh Restoration Strategies in Cumberland Sound, Georgia. Coastal and Estuarine Research Federation Biennial Meeting, Nov. 9-13, 2025, Richmond, VA.
6. Zhang, N.H., Wiggins, N., Griffin, K., Beeck, J., Venherm, C., Hill, K., **Alexander, C.R.** and A. Spivak. Spatial Patterns of Wetlands Soil Carbon Stocks Across the Georgia Coast. Coastal and Estuarine Research Federation Biennial Meeting, Nov. 9-13, 2025, Richmond, VA.
5. Deinhart, M., Bilewitch, J., Hickson, R., Zuccarello, J., D'Archino, R., Leduc, D., Sutherland, J., Brooks, A., Smith, L., Bury, S., Delgado, J., Kerr-Hislop, O., Frontin-Rollet, G., **Alexander, C.**, and Nodder, S.: Quantifying indigenous kelp contributions to New Zealand's deep-sea carbon sinks, One Ocean Science Congress 2025, Nice, France, 3–6 Jun 2025, OOS2025-278, <https://doi.org/10.5194/oos2025-278>, 2025 .
4. Beeck, J. * and **C. Alexander**. Impact of sedimentary and geologic processes on sediment dynamics and salt marsh accretion in the southeastern U.S. Southeastern Section GSA Annual Meeting 2025, Harrisonburg, VA.
3. Yang, Z., Alber, M., Shalack, J. and **C.R. Alexander**. The dynamics of marsh-channel slump blocks observed through repeat drone imagery. CERF Biennial Meeting, November 12-16, 2023, Portland, OR.
2. Venherm, C., Robinson, M. and **C.R. Alexander**. High resolution assessments of dune and beach dynamics enhances coastal resilience planning on barrier islands. CERF Biennial Meeting, November 12-16, 2023, Portland, OR.
1. Coleman, D.J., Woodson, C.B., Gittman, R.K., Byers, J.E., **Alexander, C.R.** and P.G. Coughlin. Quantifying the impacts on biodiversity of future shoreline modification approaches. CERF Biennial Meeting, November 12-16, 2023, Portland, OR.

Invited Research Presentations

- 2025 **Invited lecture**, SRNL Ultra-Sensitive Radiation Detection Virtual Workshop
<https://doi.org/10.6084/m9.figshare.31286401.v1>
- 2017 **Invited Keynote Lecture**, Joint Airborne Lidar Bathymetry Technical Center of Expertise
Annual Meeting, Savannah, GA
- 2017 Department of Marine Sciences, Savannah State University
- 2015 **Invited Lecture**, International Conference on Tidal Sedimentation, Puerto Madryn, Argentina.
- 2013 College of Science and Mathematics Colloquium Series, Georgia Southern University.
- 2013 Department of Marine Sciences, University of Georgia.
- 2012 Warnell School of Natural Resources, University of Georgia.
- 2011 Georgia Department of Natural Resources, Brunswick, GA.
- 2011 Department of Geology and Geography, Georgia Southern University.
- 2009 **Invited Keynote Lecture**, MARGINS Source-to-Sink Synthesis Workshop, Gisborne, NZ.
- 2008 **Invited Keynote Lecture**, International Conference on Tidal Sedimentation, Qingdao, China.
- 2007 Invited Lecture, Royal Geographic Society of New Zealand.
- 2007 Department of Marine Sciences, Coastal Carolina University.
- 2007 Department of Geology and Geography, Georgia Southern University.
- 2006 MARGINS Source-to-Sink Theoretical and Experimental Institute, Eureka, CA.
- 2006 Department of Marine Sciences, University of Georgia.
- 2005 Department of Geology, University of Georgia.
- 2004 The Nature Conservancy.
- 2004 Department of Marine Science, Savannah State University.
- 2004 Skidaway Institute of Oceanography.
- 2003 DOSECC 7th Annual Meeting on Scientific Drilling.
- 2003 Department of Marine Science, Savannah State University.
- 2003 Department of Geology, Georgia State University.
- 2003 Department of Geology and Geography, Georgia Southern University.
- 2003 NSF-MARGINS planning workshop, Gisborne, NZ.
- 2002 Skidaway Institute of Oceanography.
- 2002 Department of Geological Sciences, University of South Carolina.
- 2001 **Keynote Address**, 11th National Congress on Geochemistry, Ensenada, MX.
- 2001 **Keynote Address**, Chapman Conference on Continental Margins, Ponce, PR
- 2000 Department of Geology and Geography, Georgia Southern University.
- 1999 United States Geological Survey, Menlo Park, CA.
- 1997 Marine Resources Research Institute/University of Charleston, Ft. Johnson, SC.
- 1997 Department of Geological Sciences, University of South Carolina.
- 1997 Monterey Bay Aquarium Research Institute.
- 1997 Department of Geology, University of Georgia.
- 1994 Department of Geology, Georgia Southern University.
- 1991 Virginia Institute of Marine Science.
- 1990 Skidaway Institute of Oceanography.
- 1989 Skidaway Institute of Oceanography.
- 1989 Department of Geology, California State University-Long Beach.
- 1989 Department of Geology, University of Delaware.
- 1989 Department of Geology, Franklin and Marshall College.

EDUCATIONAL and OUTREACH ACTIVITIES

Appointments

- 2003-P Graduate Faculty, Department of Marine Studies, Savannah State University.
1999-P Graduate Faculty, School of Marine Programs, University of Georgia.

Student Supervision

Advisor (9; 2 BS, 6 MS, 1 PhD)

- Jazlyn Beeck, MSc 2025, Marine Sciences, University of Georgia
Colby Peffer, MSc 2019, Marine Sciences, University of Georgia
Christine Burns, MSc 2018, Marine Sciences, University of Georgia (co w/ M. Alber, UGA)
Jeremy Mitchler, MSc 2012, Marine Sciences, Savannah State University (co w/ C. Curran, SSU)
Crawford White, BSc 2010, Geology, Georgia Southern University (senior project supervisor)
Chester Jackson, PhD 2010, Geology, University of Georgia
Chris Van Westendorp, MSc 2005, Marine Sciences, Savannah State University
Alyson Craig, MSc 2004, Conservation Ecology, University of Georgia (co w/ M. Alber, UGA)
Michael Robinson, BSc 2004, Geography, Georgia Southern University (senior project supervisor)

Committee Member (34; 21 MS, 13 PhD)

- Nikki Zhang, PhD 2024-P, Marine Sciences, University of Georgia
Mallory Mintz, PhD 2023-P, Marine Science, University of Georgia
Brett Parbus, PhD 2020-P, Anthropology, University of Georgia
Charlotte Kollman, PhD 2025, Marine Sciences, University of Georgia
Oscar Villegas Gutierrez, MSc 2024, Engineering, University of Georgia
Alexandra Muscalus, PhD 2023, Ocean Science and Engineering, Georgia Institute of Technology
Sarah Hutchinson, PhD 2022, College of Environment and Design, University of Georgia
Jordan Chapman, PhD candidate 2019-21, Anthropology, University of Georgia
Nicole Peterson, MSc 2019, Environmental Engineering, University of Georgia
Katie Mascovich, MSc 2018, Ecology, University of Georgia
Courtney Balling, MSc 2018, Crop and Soil Science, University of Georgia
Sarah Wright, MSc 2017, Geology, University of Georgia
Luke Stevens, MSc 2017, Geology, East Carolina University
Natalie MacLenaghan, MSc candidate 2012-19, Marine Sciences, University of Georgia
Elizabeth Hunter, PhD 2016, Wildlife Ecology, University of Georgia
David Hawkins, MSc 2015, Geology, East Carolina University
Zane Cress, MSc 2015, Biology, Georgia Southern University
Jonathan Ledoux, MSc 2015, Marine Sciences, University of Georgia
Chris Ginn, MSc 2014, Geology, University of Georgia
Kathryn Sutton, MSc 2012, Biology, Georgia Southern University
Christine Hladik, PhD 2012, Marine Sciences, University of Georgia
Joe Marshall, MSc 2011, Marine Sciences, Savannah State University
Mark Wagner, MSc 2009, Marine Sciences, Savannah State University
Benjamin Sumner, MSc 2007, Geological Sciences, East Carolina University
Reanna Camp, MSc 2007, Geological Sciences, East Carolina University
Kenton Trubee, PhD candidate 2005-07, Geology, University of Georgia
Huseyin Demir, PhD 2007, Coastal Engineering, Georgia Tech-Savannah

Jessica Baxter, MSc 2005, Geology, Georgia State University
Gayle Albers, MSc 2004, Marine Sciences, University of Georgia
Joe Lambrix, MSc 2004, Geology, Murray State University
Laryn Micaela Smith, PhD 2000, Geology, University of Colorado
James Witkowski, MSc 1994, Marine Science, University of South Carolina
Christopher Sommerfield, MSc 1993, Marine Geology, SUNY-Stony Brook
Yung-Chi Chen, PhD 1993, Geochemistry, Georgia Institute of Technology

Intern Supervisor (45)

Cameron Garrett, Fall 2025, University of Georgia
Macie Phillips, Fall 2025, University of Georgia
Nick Zwiers, Summer 2025, Calvin University
Lia Wagner, Fall 2024, University of Georgia
Liam Riley, Fall 2023, University of Georgia
Madeline Shepard, Fall 2023, University of Georgia
Courtney Bass, Fall 2023, University of Georgia
Ava Meier, Fall 2022, University of Georgia
Taylor English, Fall 2022, University of Georgia
Rebecca Buwalda, Summer 2022, University of Miami
Kayla Vidal, Summer 2021, Boston College
Derek Thorn, Fall 2020, Eckerd College
Jalen Campbell, summer 2018, Georgia Southern University
Sam Khallaghi, summer 2017, Clark University
Ashlyn Spector, summer 2017, Florida State University
Amanda Marquez, summer 2017, University of Texas-El Paso
Colby Peffer, summer 2016, Humboldt State University
Nicholas Veronesi, summer 2016, University of South Carolina
Jennifer Colley, 2015-2016, Savannah State University
Alessandro Pasqua, 2015, University of Georgia
Ashley Ward, summer 2014, Utica University
Kaitlyn McPherran, summer 2013, Chico State University
Mikkel Fruergaard, 2012, University of Copenhagen
Nick Scoville, 2007-2008, Savannah State University
Clayton Randall, 2007, Thomas College
Kristian Kjeldsen, 2006, University of Copenhagen
Joel Brooker, 2006, University of Georgia
Jørn Torp Pedersen, 2005, University of Copenhagen
Kim Arthur, summer 2005, Florida State University
Chris Van Westendorp, 2004, Savannah State University
Susan Howell, 2004, Georgia Southern University
Christy Glatz, summer 2003, University of Maine
Katherine Angstadt, summers 2003-2005, Savannah Country Day School
Kresha Jones, summer 2002, Georgia Southern University
Jim Smith, 2001, Savannah State University
Joe Lambrix, 1999-2001, Savannah State University
Steven Saville, 1999, UNC-Chapel Hill
Katherine Presto, 1998-1999, Boston College
Alyson Craig, 1997, UNC-Chapel Hill

Laryn Micaela Smith, 1997, University of Colorado
 Rasnan Yacob, 1995 IAEA Fellow, Malaysian University
 Danielle McBride, summer 1994, Georgia Southern University
 Jennie Patterson, 1994, Savannah-Chatham County Schools
 Stan Duncan, 1994, East Carolina University
 Sheila Ryan, 1993, Humboldt State University

Courses Taught

13. Field Excursions in Coastal Georgia (MARS 4850) – 1 credit. University of Georgia, 2022, 2023, 2024, 2025.
12. Coastal and Sedimentary Geology of the Southeastern United States (MARS8990) - 1 credit, University of Georgia, 2018.
11. Doctoral Research and Dissertation (GEOL 9000/9300) - University of Georgia – Geology, 2005-2010.
10. Master’s Research and Thesis (MARS 7000, MARSCI 7991/7992) - University of Georgia – Marine Sciences, 2016-P; Savannah State University - Marine Sciences, 2002-2012.
9. Bachelor’s Research and Thesis (GEOL 4830/4831) - Georgia Southern University – Geology and Geography, 2003-2004, 2009-2010.
8. Seminar in Hydrobiology (MARS 8130) - 1 credit, “Sea Level Rise and Saline Intrusion,” University of Georgia. 2015.
7. Coastal Geology and Engineering (CEE 8813), 3 credits, Georgia Institute of Technology. 2009.
6. In-service teacher environmental science training, annual PRISM Program activity (summers). 2007, 2008.
5. Introduction to Coastal Oceanography (MARSCI 5202), 4 credits, Savannah State University. 2003-2008, 2010-2012.
4. Pre-Service Teacher Science Practicum - 1 credit, Armstrong Atlantic State University. 2005-2007, 2009.
3. Summer Field Course in Oceanography (course # varies by institution) - 3 credits, Skidaway Institute of Oceanography. 1996-1999.
2. Natural History, Resources and Environmental Management of the Georgia Coast (GLY 599A/799A), 3 credits, Georgia Southern University and Brunswick College. 1995, 1997-1998.
1. Introductory Oceanography (with lab; BIOL 342), 4 credits, College of Charleston. 1993.

Selected Informal Teaching, Education and Outreach Experience:

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|------|---------------------------------------------------------------------------------------------------------------------|
| 2025 | Multiple print, radio and TV interviews concerning climate, coastal change and sea level rise. |
| 2025 | Invited briefing on Skidaway Institute and oceanographic research for the Georgia House environmental subcommittee. |
| 2024 | Multiple print, radio and TV interviews concerning climate, coastal change and sea level rise. |
| 2023 | Multiple print, radio and TV interviews concerning climate, coastal change and sea level rise. |
| 2022 | Multiple print, radio and TV interviews concerning climate, coastal change and sea level rise. |
| 2021 | Multiple print, radio and TV interviews concerning climate, coastal change and sea level rise. |
| 2020 | Invited briefing on climate change and sea level rise for Chatham County legislative delegation. |
| 2019 | Invited briefing on sea level rise for Georgia coastal legislative delegation. |
| 2019 | Invited briefing on coastal processes and sea level rise for the Georgia House environmental subcommittee. |

- 2019 Multiple print, radio and TV interviews concerning climate and coastal change, sea level rise and seismicity. Fourteen presentations to public groups of 40-90 people on climate change and sea level rise. Quoted in Atlanta Journal Constitution and Charlotte Observer.
- 2018 Georgia field trip leader for graduate-level comparative barrier island field course from Virginia Institute of Marine Sciences.
- 2018 Multiple public lectures on the topic of sea level rise and its impacts around the state to audiences of 50-175 people. Multiple radio and newspaper interviews on sea level rise impacts to coastal infrastructure and national parks.
- 2018 Multiple radio, broadcast and print interviews on sea level rise and offshore drilling (WABE, WSAV, Athens Banner Herald).
- 2017 Georgia Public Broadcasting interview on coastal science research.
- 2017 Guest lecturer in UGA graduate course on coastal Policy (MARS8210).
- 2016 Invited briefing on groundwater hydrology and saline intrusion for the Georgia House environmental subcommittee.
- 2016 Five on-air/print interviews about coastal hazards and resiliency (GA, FL and SC outlets).
- 2016 Participated in a residential, week-long, STEM camp for high-school girls on the Skidaway campus run by Georgia Southern University.
- 2016 Invited speaker on a community panel on sea level rise and its implications for Savannah.
- 2015 Field trip leader for Virginia Institute of Marine Science graduate students and faculty.
- 2015 Three on-air interviews about sea level rise and climate change with Georgia/local media outlets.
- 2015 Front page article on sea level rise in Atlanta Journal Constitution.
- 2014-15 Invited participant in the President's Humboldt State University Alumni Advisory Group.
- 2014 Invited briefing on salt marshes for the Georgia House environmental subcommittee.
- 2014 Interviewee for "Savannah at 2040" feature article; Savannah Magazine.
- 2014 Presented coastal hazard assessment results to GA county governments.
- 2013 Invited Speaker, 8th Annual Georgia Environmental Conference.
- 2012 Presentation on coastal processes and geology to a NSF-funded GK-12 teacher workshop.
- 2012 Three training sessions on the use of the Georgia Coastal Hazards Portal (gchp.skio.usg.edu).
- 2011 Presentation on planning for sea level rise to the Metropolitan Planning Commission for City of Savannah and Chatham County, GA.
- 2011 Invited Speaker, Savannah Ocean Exchange public lecture series.
- 2011 Invited Speaker, 6th Annual Georgia Environmental Conference.
- 2010 Conducted two community workshops on coastal hazards and simple tools for assessing them.
- 2010 Conducted a Digital Shoreline Assessment Workshop for coastal county GIS professionals.
- 2010 Guest Lecture on Marine Acoustics Applications, GT-Savannah Remote Sensing course.
- 2009 Interviewee, McNeil News Hour segment on sea level rise for Climatecentral.org.
- 2007-P Chatham County GIS Day participant – outreach event for students, community, professionals.
- 2007 Invited Speaker, Tybee Island Shore Protection Committee.
- 2007 Invited Speaker, American Institute of Architects (GA chapter) annual meeting.
- 2007 Invited Testimony, GA Senate Tybee Island Renourishment Study Panel.
- 2007 Panelist, Marsh Hammock Management symposium.
- 2007 Field trip leader, NAGT-sponsored Middle and High school teacher trip, 2007 SE GSA Annual meeting, Savannah, GA.
- 2005 Featured participant in a Discovery/Science Channel coastal issues documentary.
- 2005 Invited Speaker, Georgia Association of Marine Educators Annual Conference.
- 2004 Scientist representative at SE Coastal Ocean Science Educational Excellence leadership symposium.

- 2004 Invited speaker, GIS in Teaching and Research Symposium, Atlanta, GA.
- 2004-06 Field trip leader to Tybee Island for Georgia Southern non-geology-major students (Fall and Spring '04, Fall '05,'06).
- 2004 PRISM (Partnership for Reform in Science and Mathematics) Institute participant.
- 2002 Marsh hammock discussions in film productions by the Georgia Conservancy and GA Public TV.
- 2002 Field Trip Co-Leader to Sapelo Island for Savannah Area Geological Society.
- 2001 Salt marsh field trip leader for elementary school classes.
- 2001 Broadcast interview on ocean bottom mapping techniques on local cable channel.
- 2000 Videotaped interview on shelf processes by CCET (nationwide educational broadcasting group).
- 1999-15 Lecturer, Marine Extension Service annual marine educator series.
- 1998-10 Serial Guest Lecturer on coastal processes in Oceanography class, Armstrong Atlantic State University (Fall 1998, Fall/Spring '01, '03-'10).
- 1997 Invited Speaker, Georgia Association of Marine Educators/South Carolina Marine Educators Association Joint Annual Conference.
- 1995-00 Savannah Crimestoppers Board of Directors; Treasurer 1999-2000 (community involvement).
- 1994-96 Geologist/Oceanographer at local schools' Career Days.
- 1994 Lecturer, science teacher enhancement and Marine Extension Service marine education series.
- 1993 Instructor, Beach Processes course in Continuing Education Series for Professional Geologists.
- 1991-P Field Trip leader, annual trips to Georgia barrier islands.
- 1990-12 Judge, First Congressional District Science Fair, Savannah, GA.
- 1989-95 Judge, Savannah Middle Schools Science Fairs, Savannah, GA.
- 1989-P Multiple contacts with media and lawyers for background/explanations of coastal issues.
- 1987-89 Laboratory Manager, SUNY-Stony Brook Sedimentological Laboratory.
- 1984-P One to eleven lectures annually on geological topics to college, grade school and civic groups.
- 1984 Laboratory Instructor, Sedimentary Petrology.
- 1983 Laboratory Instructor, Physical Geology.