http://www.gcrc.uga.edu
Goals

• To provide mechanisms for improved scientific exchange between coastal scientists and decision makers.

• To promote the incorporation of best-available scientific information into State and local resource management.
Personnel

Project Director – Merryl Alber
Project Coordination – Janice Flory, Margaret Myszewski, Christine Laporte
Research Staff – Joan Sheldon, Wade Sheldon, Travis Douce

Affiliated Scientists and Managers (116)

Butler University
Coastal Carolina University
Georgia College and State Univ.
Georgia Institute of Technology
Georgia Sea Grant
Georgia Southern University
Indiana University
Louisiana State University
The Ohio State University
Savannah State University
Skidaway Inst. of Oceanography
State University of West Georgia
University of Florida
UGA & UGAMI
UGA Marine Ext. Service

University of Houston
University of Massachusetts
University of New England
GA DNR, CRD
GA DNR, EPD
GA DNR, WRD
Georgia Forestry Commission
Nat’l Marine Sanctuaries Program
National Park Service
NOAA
Private consulting firm
Sapelo Island NERR
S. Cal. CWRPA
US Army Corps of Engineers
US Geological Survey
GCRC Approach

Facilitating interactions between scientists & managers
  Listserv
  Meetings
  Website (www.gcrc.uga.edu)

Synthesizing technical information
  Environmental effects of docks and marinas
  Oil spill physical oceanography summit
  Offshore wind energy: considerations for Georgia

Conducting research
  Watershed assessments
  Marsh dieback
  Coastal water quality
  Regional research needs

Communicating results
  Georgia Sound articles
  Coastal advisory committee meetings and other venues
  Website
Table of Contents
I. Introduction
II. Components of an offshore wind energy installation
III. Technical considerations
IV. Environmental considerations
V. Planning
Appendix A. Permitting and regulatory
Appendix B. Additional resources

http://www.gcrc.uga.edu/PDFs/GCRC_GA_OffshoreWind.pdf
Southeast Coastal Water Quality Portal

Goal: To develop a database and web portal of water quality monitoring program metadata

www.gcrc.uga.edu/wqmeta

41 monitoring programs with WQ data from 16,182 monitoring sites
Southeast Coastal Water Quality
Southeast Coastal Water Quality

Station: 2043430
Location: Upper Currituck Sound near Corolla, NC
Latitude: 36.395379
Longitude: -75.8425
StoretCode: 191
Parameter: Major Inorganics
Description: Hydrogen ion, water, unfiltered, calculated, milligrams per liter
Start Date: 10/31/2006
End Date: 7/30/2007
No. Observations: 3
Updated: 5/14/2008

Station monitored by USGS

Visit our Science for a Changing World

Related Links
- NCS Inventory & Monitoring Program
- USGS Water Quality Program
- NOAA Center for Coastal Monitoring & Assessment
- USEPA Water Quality Information Center
- EPA Water Quality Monitoring
- Environmental Information Exchange Network
- Ocean & Coastal Research Council

© 2006 SECoCo Water Quality Inventory & Monitoring Program
South Atlantic Regional Research Project

Goal: To develop a coordinated coastal research approach for the southeast region.

http://www.gcrc.uga.edu/sarrp
South Atlantic Regional Research Plan

Healthy Ecosystems
Working Waterfronts
Clean Coastal and Ocean Waters
Disaster-Resilient Communities

April 2010

Coastal News and September 2011 Announcements

Scroll down to see all the announcements or click directly on items of interest.

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<td>Gulf of Mexico News (NOAA Ocean Service)</td>
<td>Adapting to Climate Change, A Planning Guide for State Coastal Managers (NOAA)</td>
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<td>America's Ocean Future (JOCI)</td>
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Watershed Linkages

- Water Quality Modeling
- Ecosystem Studies
- Microbial Ecology
- Biotechnology
- Biogeochemistry
- Aquaculture
- Fisheries
- Offshore and Nearshore Monitoring

Feel free to submit project summaries! Download the blank form (Word document), fill it out, and email it back to us.

Watershed Linkages

- Study of Human Impacts on the Salinity Regimes of Coastal Georgia Estuaries
  Richard Wiegert, Meryl Alber, Alice Chalmers (Dept. of Marine Sciences, Univ. of Georgia) and Jackson O. Blanton (Skidaway Inst. of Oceanography)

- The Impact of Land Use Changes on the Salt Regimes of Georgia Estuaries
  Richard Wiegert, Meryl Alber, Alice Chalmers (Dept. of Marine Sciences, Univ. of Georgia) and Jackson O. Blanton (Skidaway Inst. of Oceanography)
## Affiliated Scientists and Managers

- **Focus Areas**
- **Research Summaries**
- **Affiliated Scientists & Managers**
- **Research Needs**
- **Coastal Georgia Colloquium**
- **New / Updated Pages**
- **About the GCRC**

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Research Needs

We have compiled a list of research issues and information needs from individuals and organizations participating in GCRC activities over the last couple years. They are roughly organized into four categories --

- Fisheries
- Habitat
- Water and sediment quality/quantity
- Management and communications

Fisheries

- Status of and trends in Georgia blue crab and shrimp fisheries
- Identification of spawning sites for recreationally important Sciaenids
- Assessment of Georgia inshore and offshore artificial reefs as fish habitat
- Boating and fishing access needs and impacts assessment for coastal Georgia
- Identification of critical habitats for early life stages of Red Drum, Spotted Seatrout, Southern Kingfish, Sheephead, and Southern Flounder
- Life history and population dynamics of Tripeltilia in coastal Georgia
- Estimates of fishing and natural mortality for southern kingfish
- Acute and chronic mortality of adult red drum following catch-and-release in the recreational fishery
- Development of a coastal Georgia Fisheries Habitat Plan using GIS
- Current oyster acreage maps
- Sources of funding for shellfish aquaculture development
- Characterization/quantification of impacts to Essential Fish Habitat (EFH) and fisheries productivity
- Assessment/monitoring of manmade and natural reefs and associated communities
- Monitoring techniques/methodologies for Georgia's offshore, coastal, and estuarine reefs
- Sociological and economic evaluations associated with offshore/inshore artificial reef development, user groups, and trends
- Improvements in artificial reef technology (e.g., designed units, siting, material configurations, etc.) to maximize the development of reef communities
- Life history investigations
- Improved fishery assessments, with increased/coordinated fishery-dependent and fishery-independent monitoring/surveys regionwide
- Bottom mapping on the continental shelf, mapping/modeling of circulation and effects of terrestrial and ocean climate/weather events on circulation patterns associated with fish spawning and recruitment on the shelf
- Marine protected areas
- Cause of decline in blue crab stocks
- More complete knowledge of the early life history of exploited estuarine and marine fishes indigenous to coastal Georgia
- Definitive information on the habitat preferences of all life stages of exploited estuarine and marine fishes and invertebrates indigenous to coastal Georgia