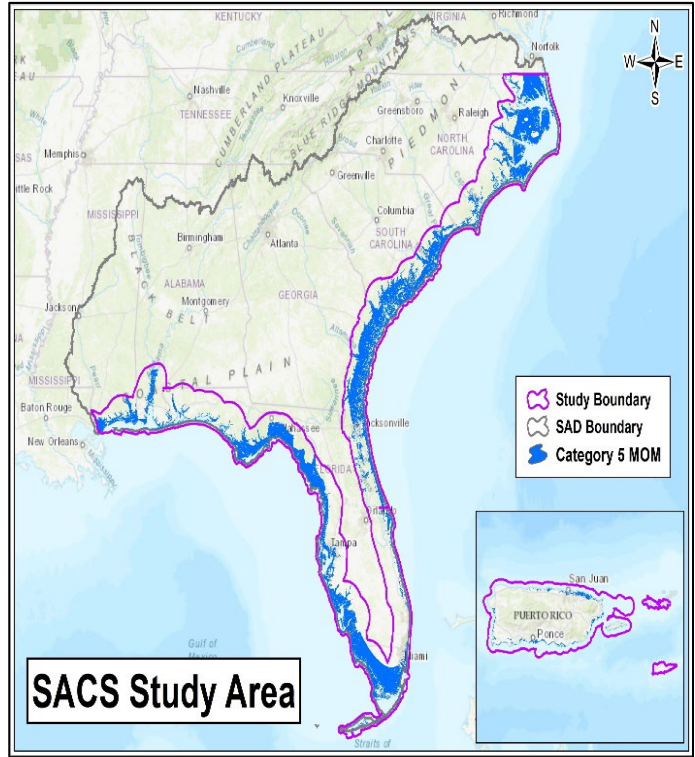




US Army Corps
of Engineers
Wilmington District

South Atlantic Coastal Study

- Study identified coastal risk and vulnerabilities due to sea level rise in tidally influenced areas
- Final Plan published August 2022
<https://www.sad.usace.army.mil/SACS/>
- Hazards data downloadable by state



CONGRESSIONAL DISTRICT: NC 1, 3, and 7

DATE: 10 MARCH 2023

1. **AUTHORIZATION:** Section 1204 of the Water Resources Development Act (WRDA) of 2016.
2. **LOCATION AND DESCRIPTION:** The South Atlantic Coastal Study (SACS) includes over 65,000 miles of tidally influenced coastal areas (including back bays) within the boundaries of the USACE South Atlantic Division, including Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, Puerto Rico and the U.S. Virgin Islands.

PROJECT INFORMATION – South Atlantic Coastal Study (SACS)

3. **STUDY PRODUCTS:** Twelve (12) technical study products were produced to assist in reducing existing and future coastal risk and support increased resiliency among coastal communities. <https://www.sad.usace.army.mil/SACS/>

- **SAC Tier 1 Risk Assessment:** Assessment based on exposure of population and infrastructure; environmental and cultural resources; and social vulnerability to inundation hazards.
- **Regional Sediment Management (RSM) Optimization:** Identifies and quantifies total contribution of RSM principles to projects in the SACS study area that support long-term coastal resiliency.
- **Sand Availability & Needs Determination:** Determines the need and availability of sediment to maintain beaches for the next 50 years.
- **Coastal Hazards System:** Provides water elevation and wave information data for the study area under current-day and two future sea level rise scenarios.
- **Geoportal:** Provides public access to study datasets, products, and documentation.
- **Measures & Costs Library:** Detailed list of Coastal Storm Risk Management (CSRM) measures and their costs developed to a screening level for use in USACE and stakeholder planning
- **Coastal Program Guide:** Outreach and information package to help communities better leverage needed resources on a disaster-wide, statewide, or community-wide basis.
- **Tier 2 Economic Risk Assessment:** Estimated storm surge inundation risk expressed as dollar damages to public and private property and limited critical infrastructure.
- **Priority Environmental Area Identification:** A subset of medium and high-risk environmental areas. These areas support priority biological resources and can be considered by stakeholders when looking for environmental resources to conserve and/or manage.
- **Planning Aid Report:** priority biological resource habitats in the South Atlantic region that are vulnerable to harm from coastal storms and sea level rise with a focus on areas used by federally listed species. The report also includes a description of risk to coastal national wildlife refuges.
- **Institutional & Other Barriers Report:** identifies institutional and other barriers to providing comprehensive protection for affected coastal areas. The report will include information on the performance of existing federal Coastal Storm Risk Management (CSRM) projects and recommendations for improvement.
- **Focus Area Strategy:** Focus Area Action Strategies (FAAS) use SACS products in combination with other resources to develop actionable risk reduction strategies with stakeholders. FAAS serve as examples of how coastal risk can be assessed and addressed in other locations.

PROJECT INFORMATION – South Atlantic Coastal Study (SACS)

NC APPENDIX RECOMMENDATIONS: The state appendix for North Carolina identified high risk focus areas for detailed analysis and tailor implementable strategies to buy down risk in the face of changing future conditions. North Carolina state appendix will serve as a vehicle for leveraging collaboration in three focus areas in the state; 1) Dare County and Ocracoke Island, 2) Carteret and Craven Counties, and 3) Brunswick and New Hanover Counties. The NC Appendix contains seventeen recommendations of which, twelve are USACE led and five are non-USACE led recommendations. Additionally, multiple recommendations support the existing North Carolina State Resiliency Strategy. The SACS Main Report, the North Carolina State Appendix and a placemat highlighting all of the recommendations and study products are below.

Overview:

https://www.sad.usace.army.mil/Portals/60/siteimages/SACS/SACS_PLACEMAT_NORTH_CAROLINA.pdf?ver=5OTfxZjT-O7uF8q3aBeQcq%3d%3d

Appendix:

https://www.sad.usace.army.mil/Portals/60/siteimages/SACS/SACS_NC_Appendix_508_20220812.pdf?ver=fVe-3IORnnQNBd3EL7Xfhw%3d%3d