



US Army Corps
of Engineers®
Wilmington District

National Coastal Mapping Study – NC Demonstration Project Section 8110 of WRDA 2022

- Identifies that the USACE Engineering Research and Development Center (ERDC) shall carry out a Coastal Mapping Study
- Authorization to proceed with a demonstration project in the coastal area of North Carolina

CONGRESSIONAL DISTRICT: NC 3, NC 7

DATE: 10 March 2023

1. **PURPOSE:** Section 8110 of Water Resources & Development Act (WRDA) of 2022 authorizes the Secretary of the Army acting through the Director of the Engineer Research and Development Center (ERDC) to carry out a study of coastal geographic land changes.
2. **STUDY SCOPE:** The study will identify new or advance geospatial information and remote sensing tools for coastal mapping; best practices for coastal change mapping; and the most effective way to collect and analyze the advance geospatial information and to make the geospatial information available to other Federal agencies, States, Tribes, local governments, and other stakeholders.
3. **DEMONSTRATION PROJECT in NC:** ERDC shall establish a demonstration project in the coastal region of North Carolina and connected bays, estuaries rivers, streams and creeks to their tidally influenced extent inland. The demonstration project will:
 - Identify and study potential hazards such as debris, sedimentation, dredging effects, and flood areas;
 - Establish best practices for the geographical coverage and frequency of mapping;
 - Evaluate and demonstrate mapping technologies to identify the method(s) which are most effective in for regional mapping of transitional areas between inland waters and open coastal waters;
 - Demonstrate remote sensing tools for coastal mapping.
4. **STATUS:** Awaiting Implementation Guidance on Sec. 8110 and Appropriations
<https://www.usace.army.mil/Missions/Civil-Works/Project-Planning/Legislative-Links/WRDA-2022/>
5. **OTHER INFORMATION:** ERDC should coordinate with other Federal and State agencies that are responsible for authoritative data and academic institutions and other entities with relevant expertise. The Secretary will establish a senior leader panel from the Corps of Engineers and

PROJECT INFORMATION - National Coastal Mapping Study: NC Demonstration Project –
Continued

other Federal agencies that are stakeholders in the coastal mapping program carried out by ERDC. The panel will coordinate collection of data and the use of geospatial information and remote sensing tools, and best practices identified as part of the study and identify technical topics and challenges that require multiagency collaboration research and development.

The Secretary shall submit a report to Congress not later than 18 months after enactment of the Act detailing the results of the study and any geographical areas recommended for additional study.

The Act authorized \$25,000,000 to carry out this section and provides that these funds are to remain available until expended.