

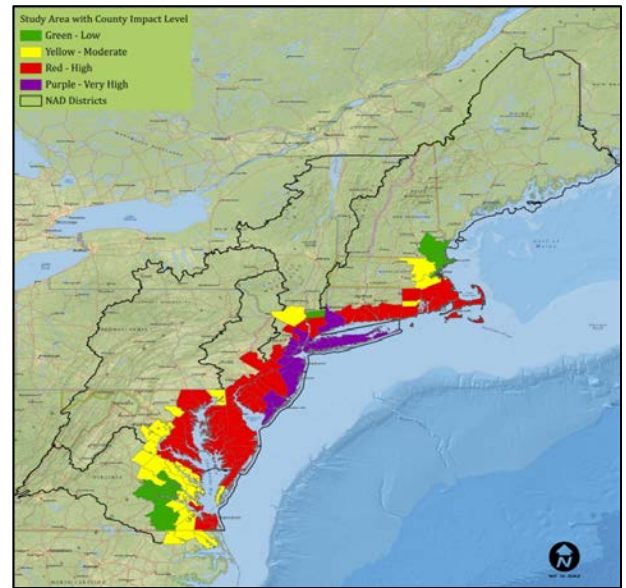
Comprehensive Study

As of: February 2014

U.S. ARMY CORPS OF ENGINEERS

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The North Atlantic Coast Comprehensive Study (NACCS) is a collaborative effort, bringing together governmental, academic, and non-governmental experts in coastal planning, engineering and science to collaboratively develop a risk reduction framework for the 31,000 miles of coastline within the North Atlantic Division that were affected by Hurricane Sandy. The study is authorized up to \$20 million (\$19 million after sequestration) and will be submitted to Congress in January 2015. For more information, please visit <http://www.nad.usace.army.mil/CompStudy>.



Study Area Map

The Congressional response to the devastation in the wake of Hurricane Sandy represents a need to address as a regional system the vulnerability of populations at risk in coastal regions in the U.S. Army Corps of Engineers (USACE) North Atlantic Division. Along with a recent increase in high magnitude storm events such as Hurricanes Katrina and Rita in 2005, and recent storms with larger areal extents creating larger damage areas as evident by the size of Hurricane Irene in 2011 and Hurricane Sandy in 2012, as well as the reality of sea level rise as a probable future condition, there is a need to comprehensively evaluate the existing and planned measures to reduce the flooding risk from tidally influenced storm surges as well as other alternatives for areas at risk to future storm damages.

DESCRIPTION:

The goals of the Comprehensive Study are to (1) provide risk reduction strategies to subjected vulnerable coastal populations, and (2) promote coastal resilient communities to ensure a sustainable and robust coastal landscape system, considering future sea level rise and climate change scenarios, to reduce risk to vulnerable population, property, ecosystems, and infrastructure. The Comprehensive Study will include a coastal framework as well as storm suite modeling, coastal GIS analysis, and related evaluations, for the affected coastlines. The study will identify existing natural and nature-based features, include an evaluation of the performance of natural and nature-based features during Hurricane Sandy and other recent storms, and consider the performance of natural and nature-based features in reducing the impacts of coastal storm flooding, as well as other impacts at a larger scale and as a system.

The Comprehensive Study will generally be developed by a USACE enterprise team. This team will be led by the USACE Coastal Storm Damage Reduction Planning Center of Expertise and will comprise planners and engineers from North Atlantic Division districts, the USACE Engineer Research and Development Center, and the USACE Institute for Water Resources, incorporating other USACE resources and expertise as appropriate.

SCHEDULE:

Feb - March 2013 – Development of scope of analyses
April 2013 – Interagency collaboration on scope of analyses
June 2013 – Launch of public website; Federal Register notice
June 2013 – Modeling and Measures Working Meetings
July - Dec 2013 – Webinar Collaboration Series (topics include green/nature based features, numerical modeling, ecosystem goods and services, policy challenges, adaptive management and others)
Winter/Spring 2014 – Interagency & international validation & collaboration
Summer 2014 – Begin finalizing report and routing for reviews
January 2015 – Final Report due to Congress