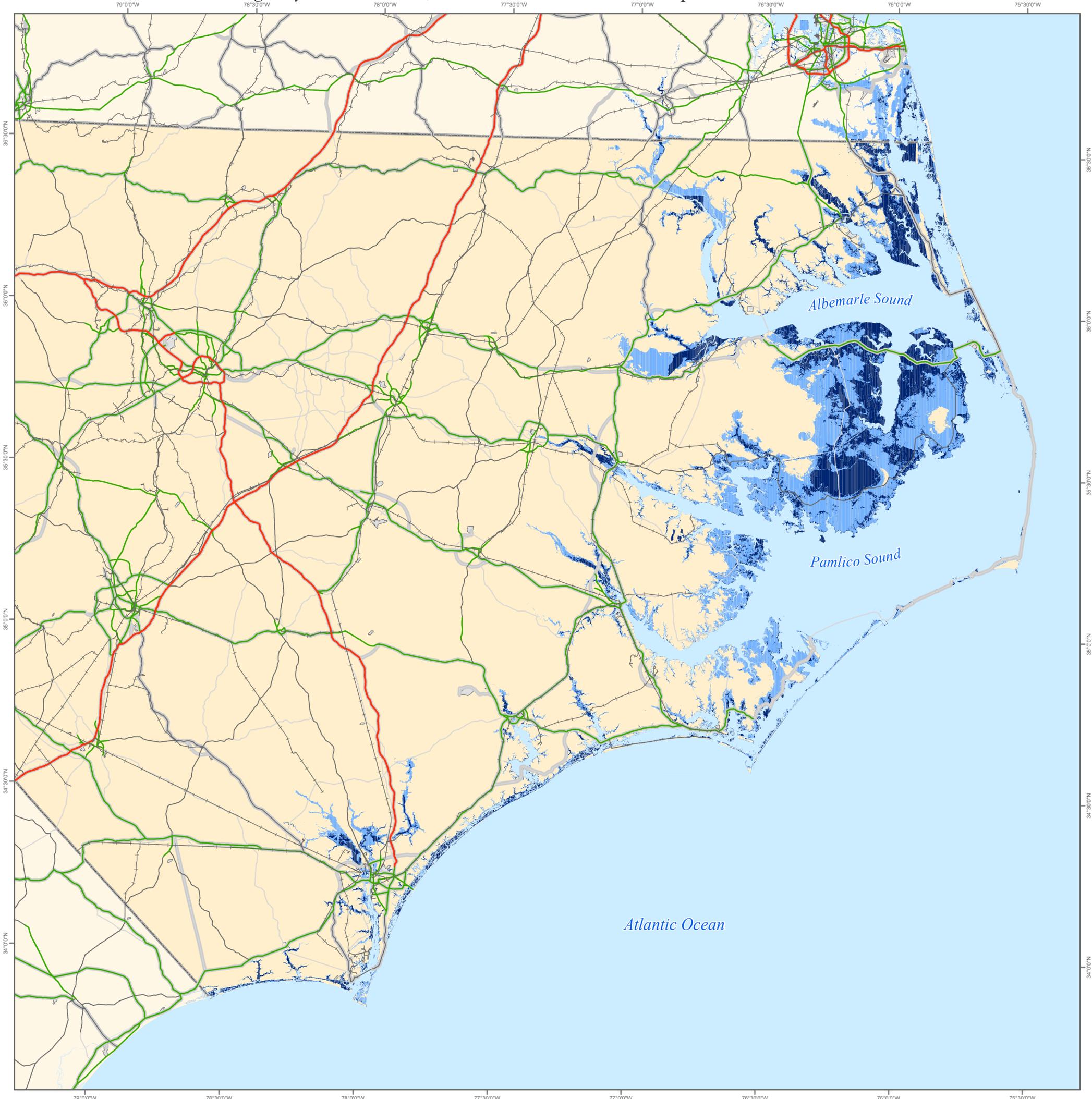


Eustatic Sea
Level Rise: 6 cm

State of North Carolina

Regularly Inundated Areas, At-Risk Areas and Affected Transportation Infrastructure



Legend

- Regularly Inundated Area
- At-Risk Area
- Airport Property
- Ports Property Area
- Interstate Highway
- Non-Interstate Principal Arterial
- Minor Arterial
- NHS (indicated by background)
- Railroad



Potentially Impacted Transportation Network		
Type	Inundated	At-Risk
<i>Roads (km)</i>		
Interstate Highways	0.1	0.6
Non-Interstate Principal Arterials	13.9	83.0
Minor Arterials	11.9	161.5
National Highway System Features	27.9	213.5
<i>Other Transportation Types (km)</i>		
Railroads	8.5	60.2
<i>Potentially Impacted Land Area (acres)</i>		
Total Impacted Area	524,321	1,043,975
Airport Property Area	94	358
Airport Runway Area	0	18
Ports Property Area	0	0

Notes:
The methodologies and source data used to generate these maps are discussed in *The Potential Impacts of Global Sea Level Rise on Transportation Infrastructure: Study Goals, Methodologies, and Recommendations*. This report also lists summary statistics for the transportation infrastructure affected according to this analysis. These maps are presented as an *estimate* of areas that, without protection, may regularly be inundated or may be at-risk of periodic inundation due to storm surge, under the methodologies used in this study. These maps are not intended for navigational or engineering purposes, and are meant to provide a rough idea of the areas and transportation facilities that might be affected under the scenarios and methodologies used in this study.

***Eustatic** sea level rise refers to the change in sea level created by any volumetric increase in the oceans worldwide, primarily due to thermal expansion and ice melt.

Sources:
Interstates, Non-Interstate Principal Arterials, Minor Arterials, and NHS - National Highway Planning Network.
Rails - Federal Railroad Administration.
Ports - Digitized from Digital Orthophoto Quadrangles clipped to the mean high water line.
Airport Property and Runways - Tele Atlas.

Coordinate System: UTM 18 N - North American Datum 1983
1:910,000

0 10 20 30 40 50 60
Kilometers

0 10 20 30 40 50 60
Miles

