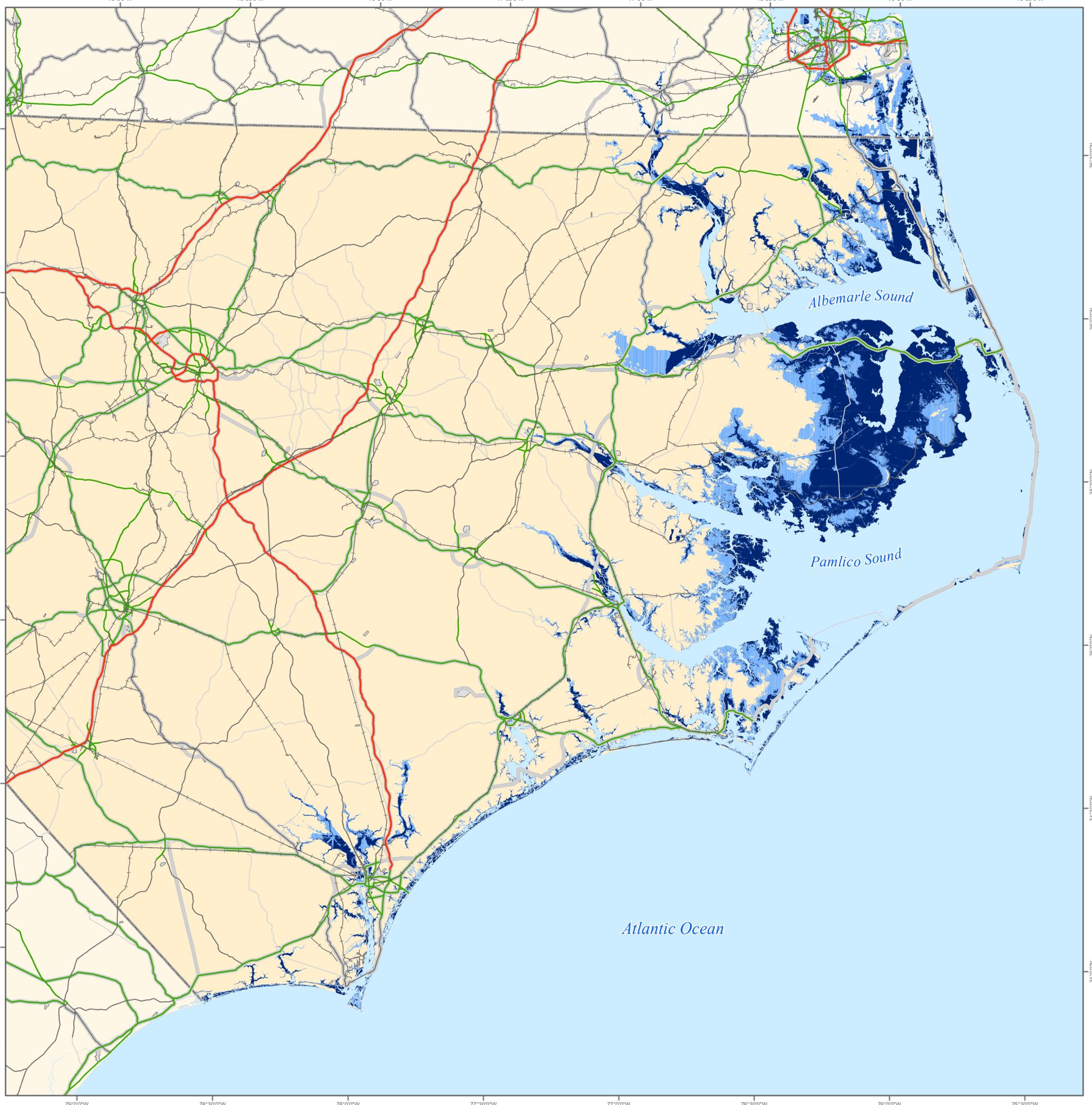


Eustatic Sea  
Level Rise: 48.5 cm

# 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	0.2	0.6
Non-Interstate Principal Arterials	51.6	73.1
Minor Arterials	80.2	120.9
National Highway System Features	113.4	181.3
<i>Other Transportation Types (km)</i>		
Railroads	24.2	72.9
<i>Potentially Impacted Land Area (acres)</i>		
Total Impacted Area	1,047,536	736,193
Airport Property Area	219	690
Airport Runway Area	1	52
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

