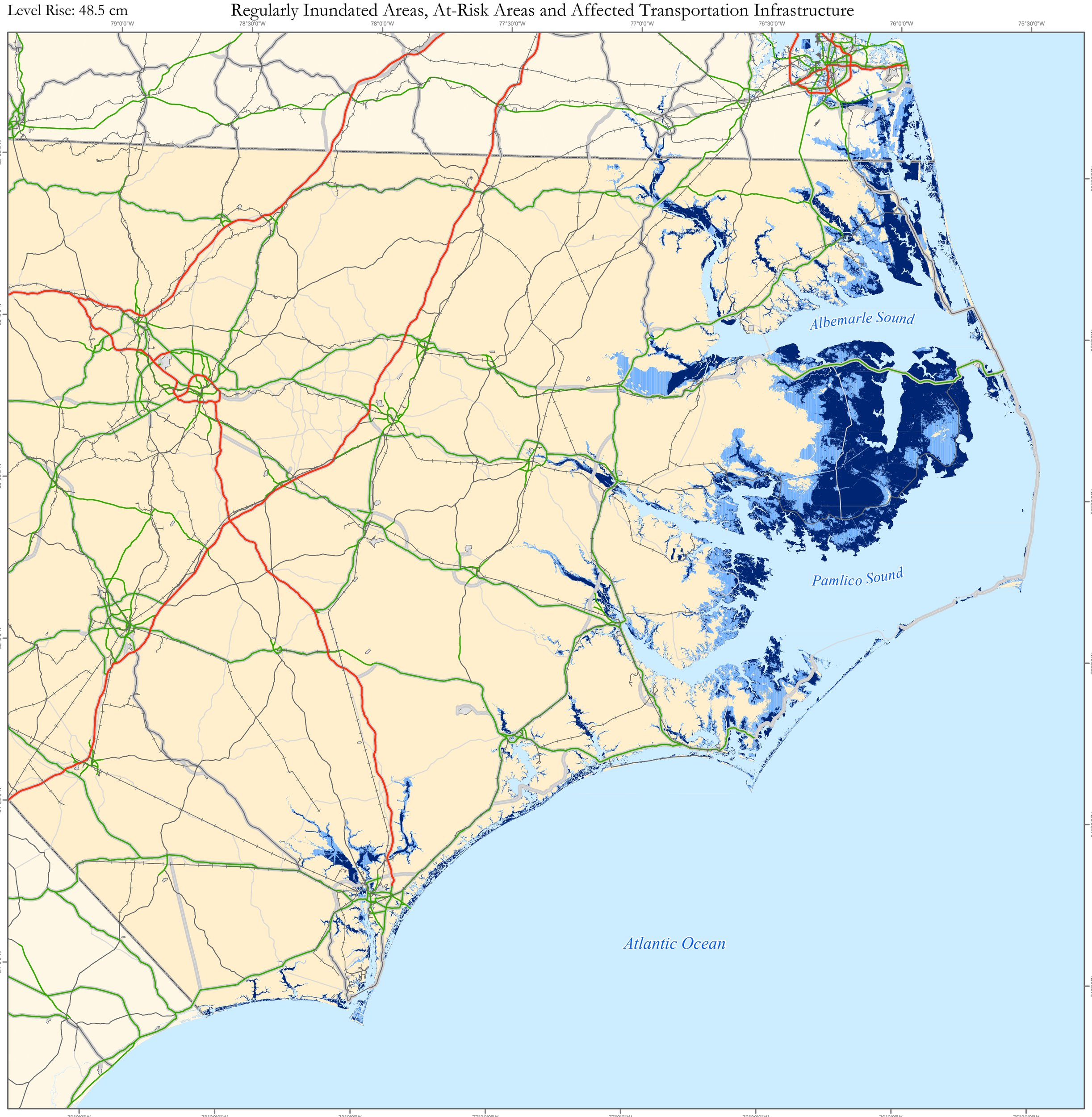
Eustatic Sea
Level Rise: 48.5 cm

State of North Carolina

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



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

N

Potentially Impacted Transportation Network

Type	Inundated	At-Risk
Roads (km)		
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
Other Transportation Types (km)		
Railroads	24.2	72.9
Potentially Impacted Land Area (acres)		
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 onTransportation 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.

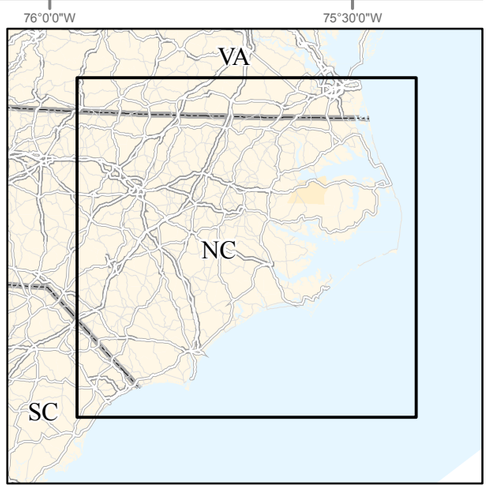
Sources:
Interstates, Non-Interstate Principal Arterials, Minor Arterials, and NHS - National Highway Planning Network.
Rails - Federal Railroad Administration.
Ports - Digitized from Digital Orthophoto Quadrangles clipped to the mean high water line.
Airport Property and Runways - Tele Atlas.

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



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