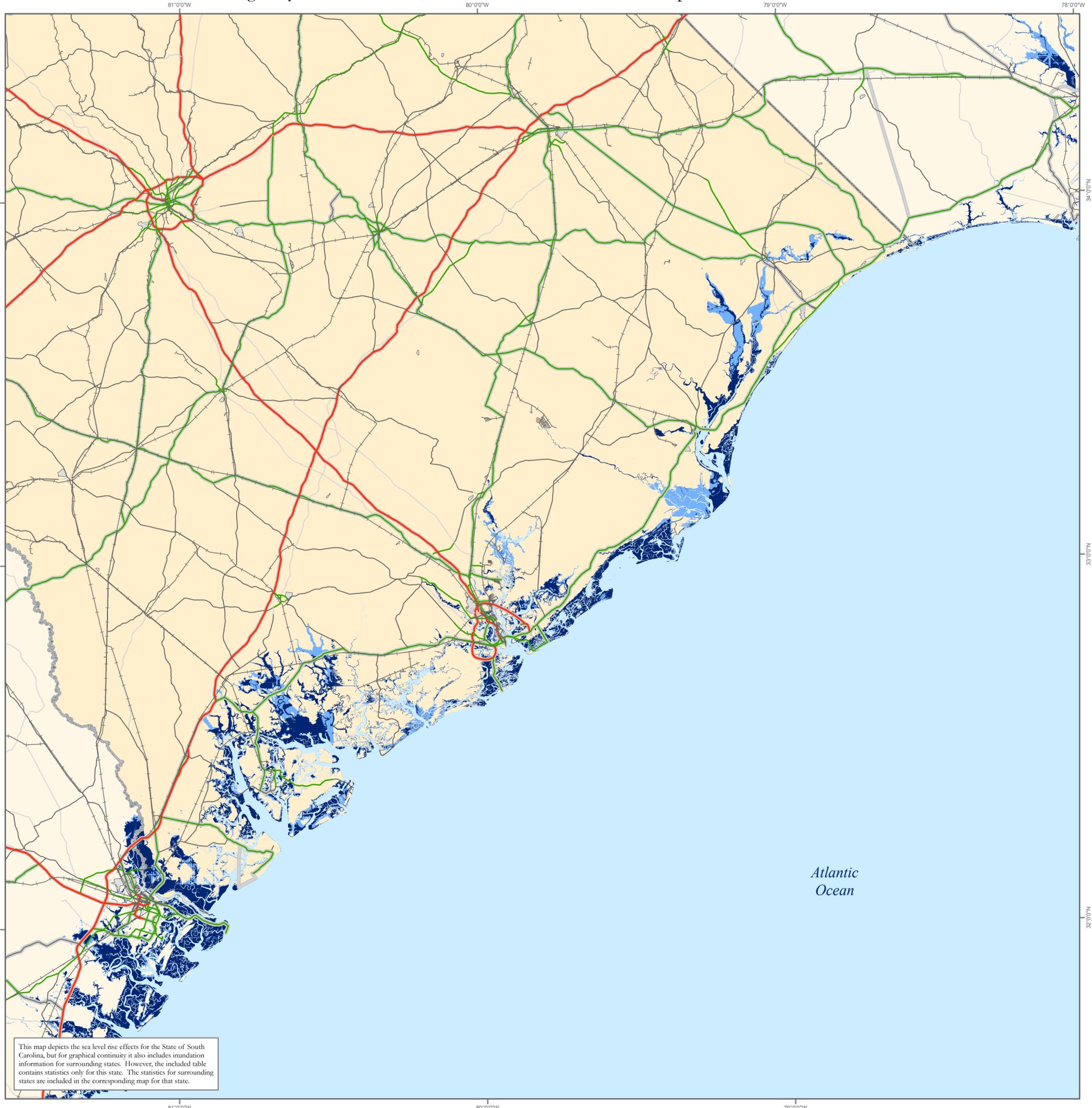


Eustatic Sea
Level Rise: 31 cm

State of South Carolina

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



This map depicts the sea level rise effects for the State of South Carolina, but for graphical continuity it also includes inundation information for surrounding states. However, the included table contains statistics only for this state. The statistics for surrounding states are included in the corresponding map for that state.

Legend

- Regularly Inundated Area
- At-Risk Area
- Airport Property Area
- 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	14.2	4.3
Non-Interstate Principal Arterials	28.1	23.8
Minor Arterials	14.8	15.6
National Highway System Features	39.0	26.9
<i>Other Transportation Types (km)</i>		
Railroads	18.6	30.4
<i>Potentially Impacted Land Area (acres)</i>		
Total Impacted Area	354,271	200,140
Airport Property Area	156	52
Airport Runway Area	11	3
Ports Property Area	131	124

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
1:820,000

0 10 20 30 40 50 60
Kilometers

0 10 20 30 40 50 60
Miles

