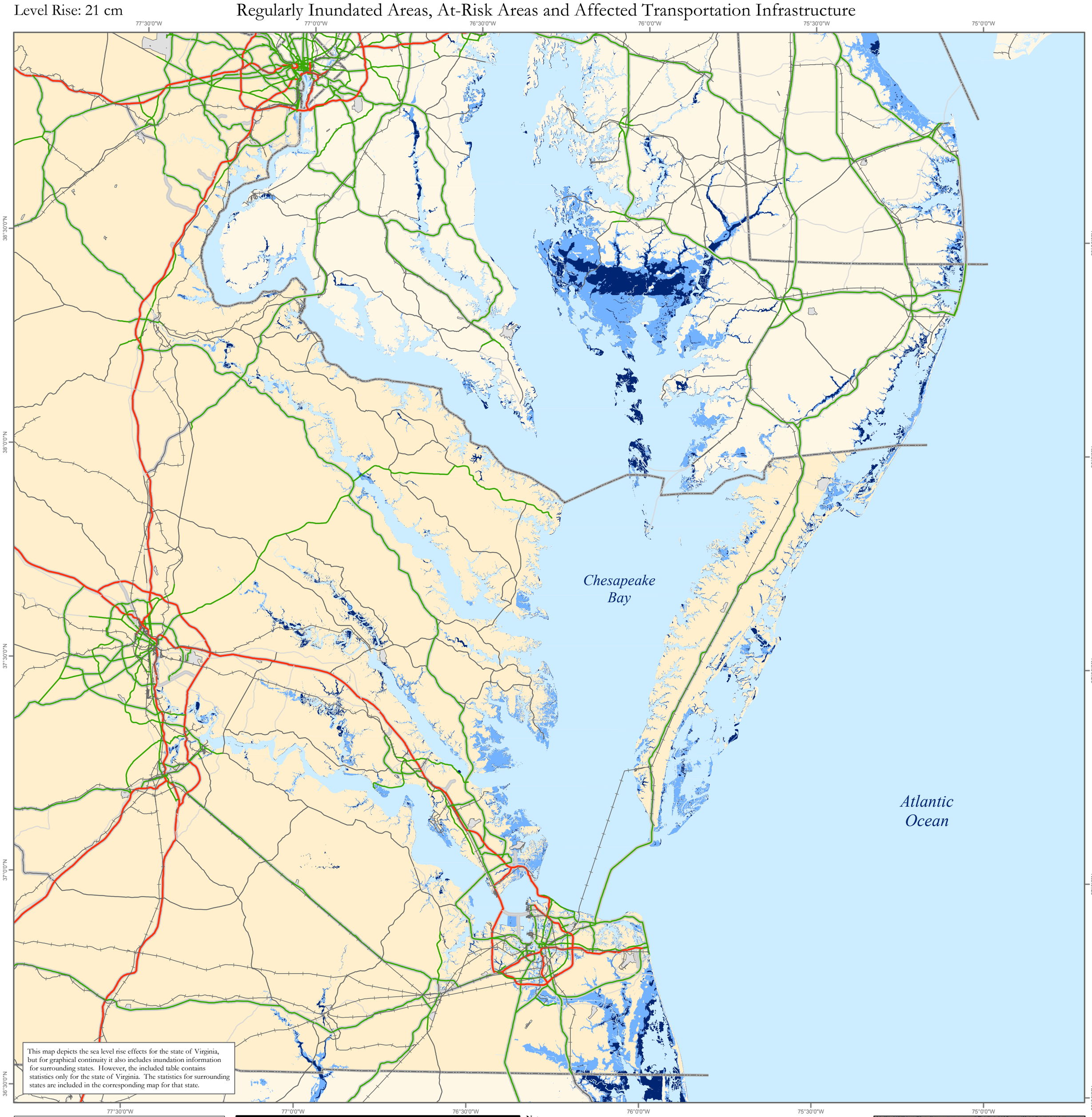
Eustatic Sea
Level Rise: 21 cm

State of Virginia

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



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

- 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	2.9	15.9
Non-Interstate Principal Arterials	3.5	51.2
Minor Arterials	1.0	7.5
National Highway System Features	5.3	60.2
Other Transportation Types (km)		
Railroads	7.6	57.5
Potentially Impacted Land Area (acres)		
Total Impacted Area	82,623	253,990
Airport Property Area	78	1,230
Airport Runway Area	4	129
Ports Property Area	97	308

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.

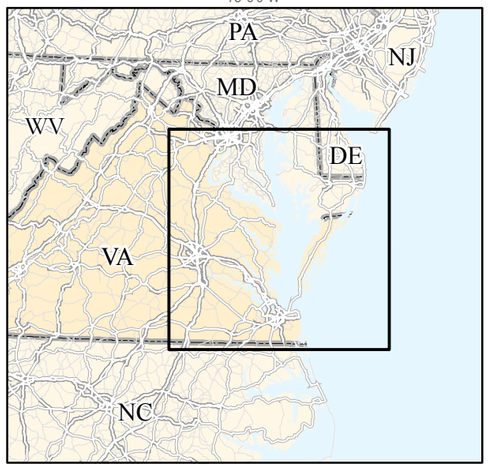
Sources:
Interstates, Non-Interstate Principal Arterials, Minor Arterials, and NHS - National Highway Planning Network.
Rails - Federal Railroad Administration.
Ports - Digitized from Digital Orthophoto Quadrangles clipped to the mean high water line.
Airport Property and Runways - Tele Atlas.

Coordinate System: UTM 18 N - North American Datum 1983

1:690,000

0 10 20 30 40 50 Kilometers

0 10 20 30 40 50 Miles



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