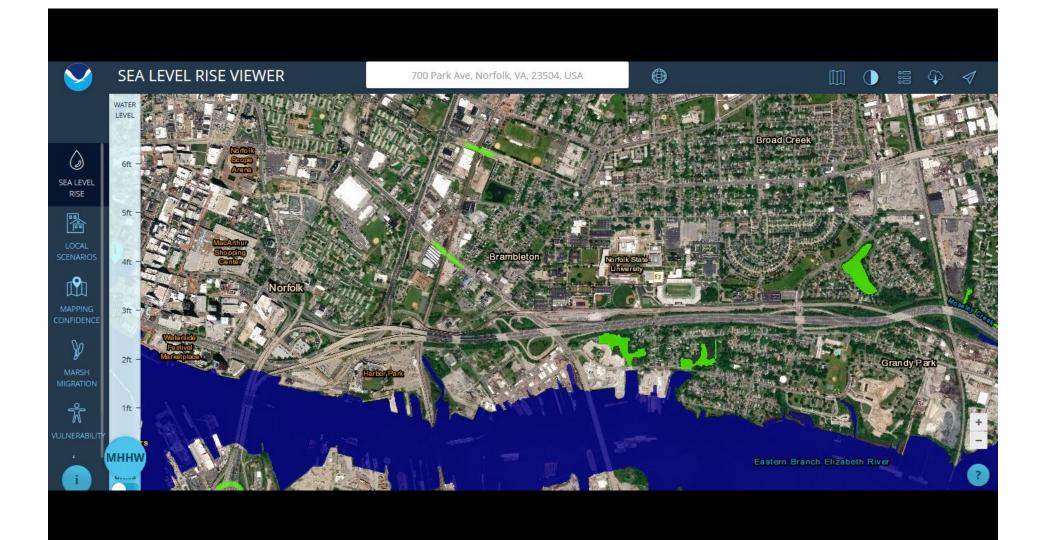
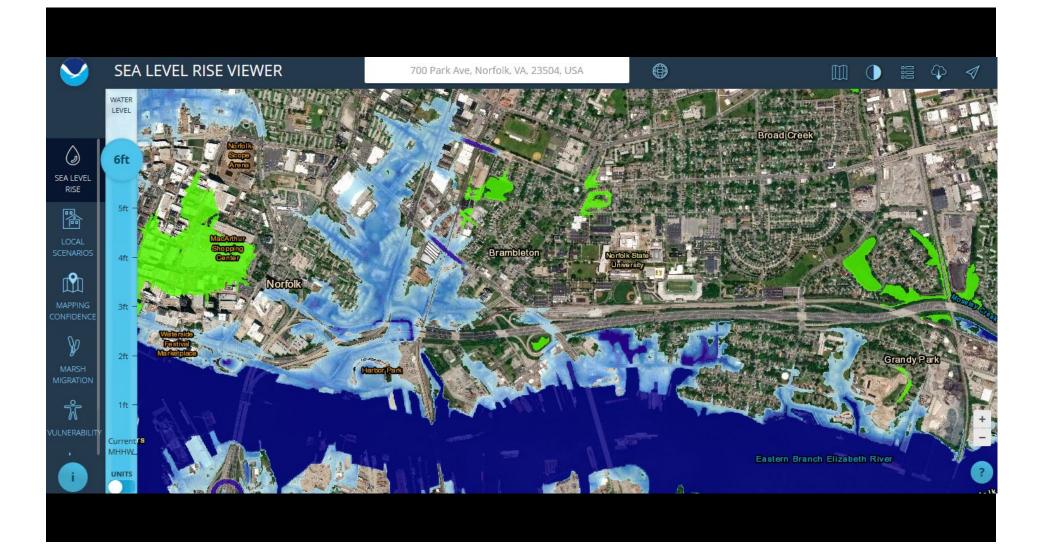


Kate Cell Climate Campaign Manager Union of Concerned Scientists kcell@ucsusa.org

Underwater: Rising Seas, Chronic Floods, and the Implications for U.S. Coastal Real Estate





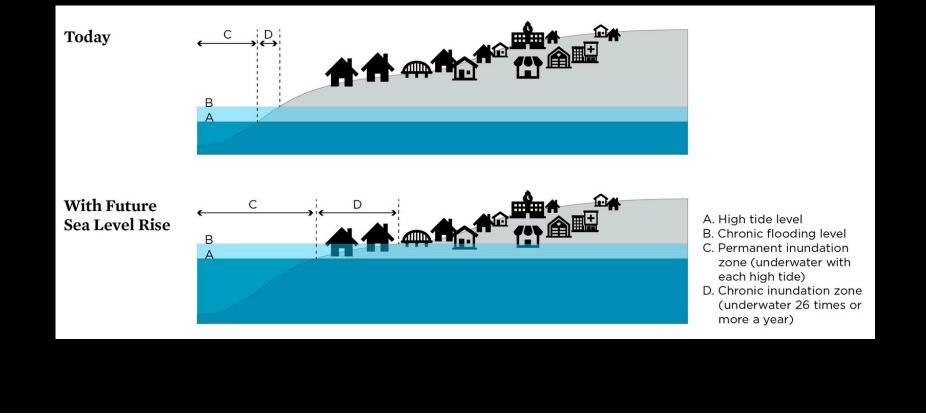


Underwater

Rising Seas, Chronic Floods, and the Implications for US Coastal Real Estate



Chronic Inundation and Sea Level Rise



Defining Chronic Inundation

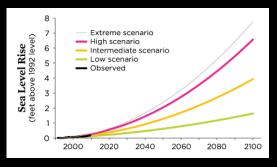


Mapping Chronic Inundation

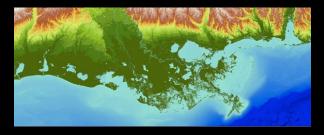
1. Tide gauge records



3. Sea level rise projections



2. Digital Elevation Models





Chronic inundation grows over time

2035 (intermediate)



2100 (intermediate)



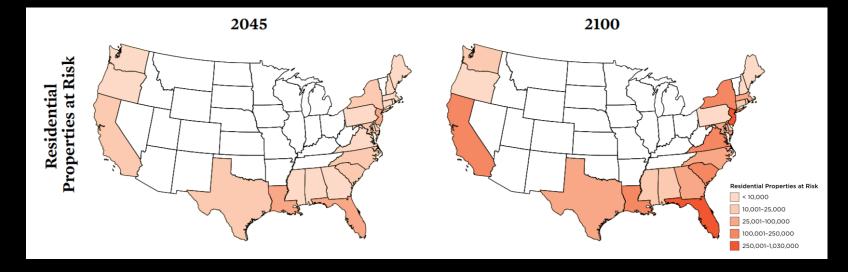
https://www.ucsusa.org/RisingSeasHitHome

What does this mean for coastal property?



[Homes at risk

A National Overview

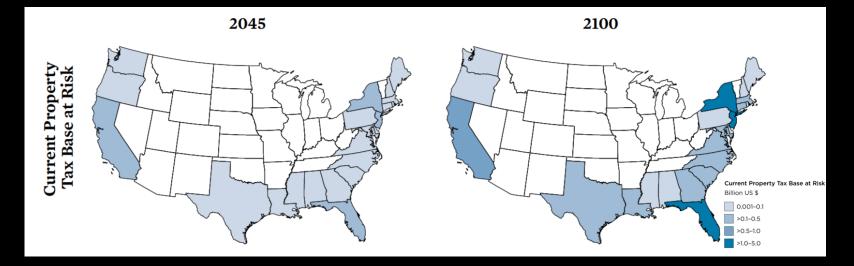


[Value at risk A National Overview

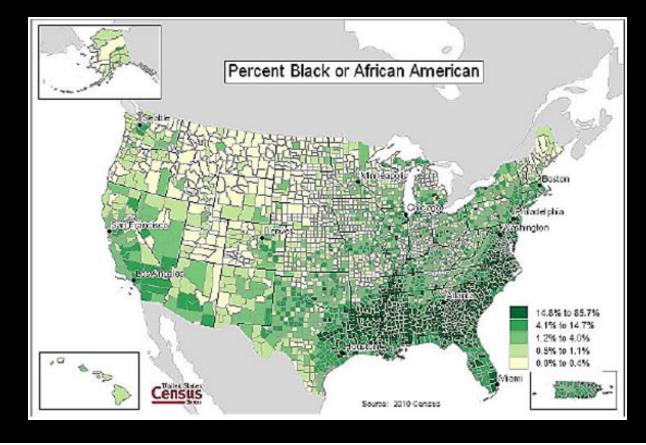


[Tax base at risk

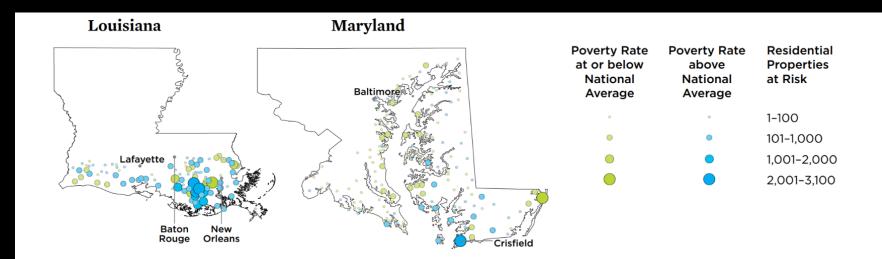
A National Overview



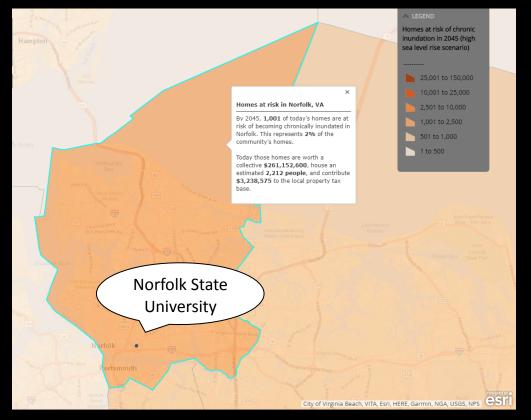
[What does this mean for African American communities?



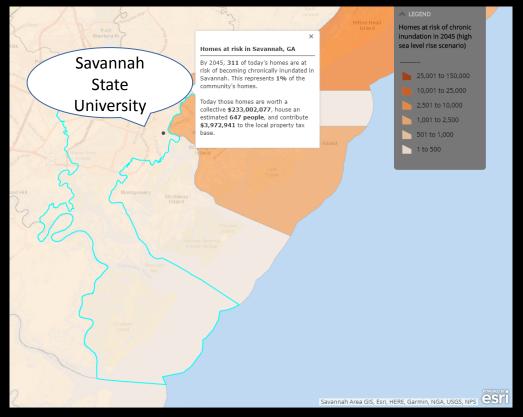
[Snapshot of the chronic flooding and poverty intersection (2045)

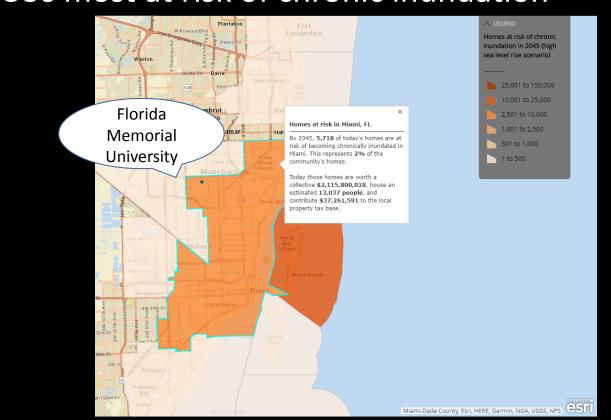


[HBCUs most at risk of chronic inundation



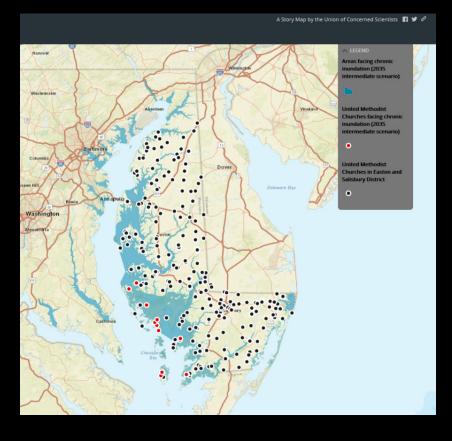
[HBCUs most at risk of chronic inundation





[HBCUs most at risk of chronic inundation

[African American Churches at Risk on Maryland's Eastern Shore



Property at Risk from Rising Seas, by Congressional District

Concerned Scientists

https://www.ucsusa.org/coastaldistricts

Property at Risk from Rising Seas, by Congressional District

B ¥ 2

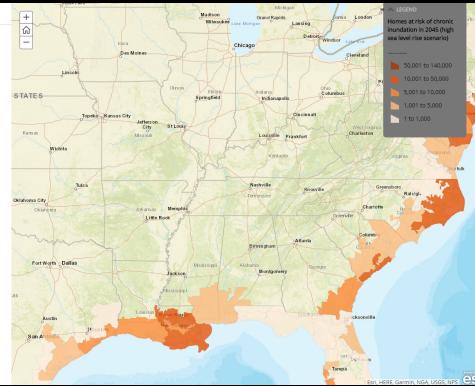
This series of maps identifies the number of US homes at risk from chronic flooding over the coming decades due to sea level rise for every coastal Congressional district in the Lower 48.

You can **move and zoom the map** to your area of interest. **Click on any district** for more detailed information, including links to districtspecific fact sheets.

The initial map shows the number of homes potentially at risk from chronic flooding in 2045, a time frame within the lifetime of a 30-year mortgage issued today. For this analysis, chronic flooding is defined to be flooding that occurs 26 times or more per year, a level of disruption also referred to as chronic inundation.

Swipe or scroll down to explore more of what's at risk, including total current property value, estimated population, and annual property tax contribution associated with at-risk homes.

Data is drawn from the analyses <u>Underwater: Rising Seas, Chronic</u> <u>Floods, and the Implications for US Coastal Real Estate</u> (2018) and <u>When Rising Seas Hit Home: Hard Choices Ahead for Hundreds of US</u> <u>Coastal Communities (2017)</u>.



Reducing emissions makes a huge difference



Thank you. Any questions?

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Reports available at <u>http://ucsusa.org/underwater</u> and http://ucsusa.org/RisingSeasHitHome

Get involved with UCS: http://ucsusa.org/action-center