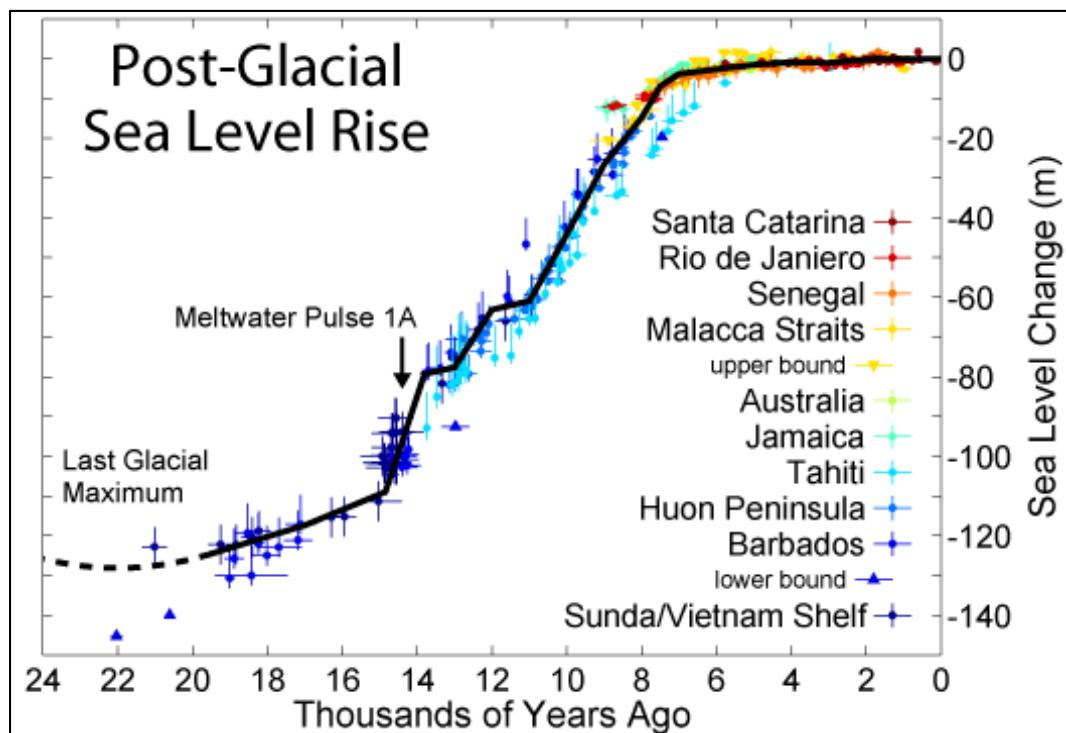


www.researchgate.net/figure/Vail-and-Hallam-curves-of-global-paleo-sea-level-fluctuations-from-the-last-542-million_fig8_323248159.

Figure 1: Sea Level (m) in Last 500 million years



www.researchgate.net/figure/112-Reconstructed-global-sea-level-since-the-Last-Glacial-Maximum-20-000-years-ago_fig6_256701684.

Figure 2: Sea Level (m) in Last 24,000 Years

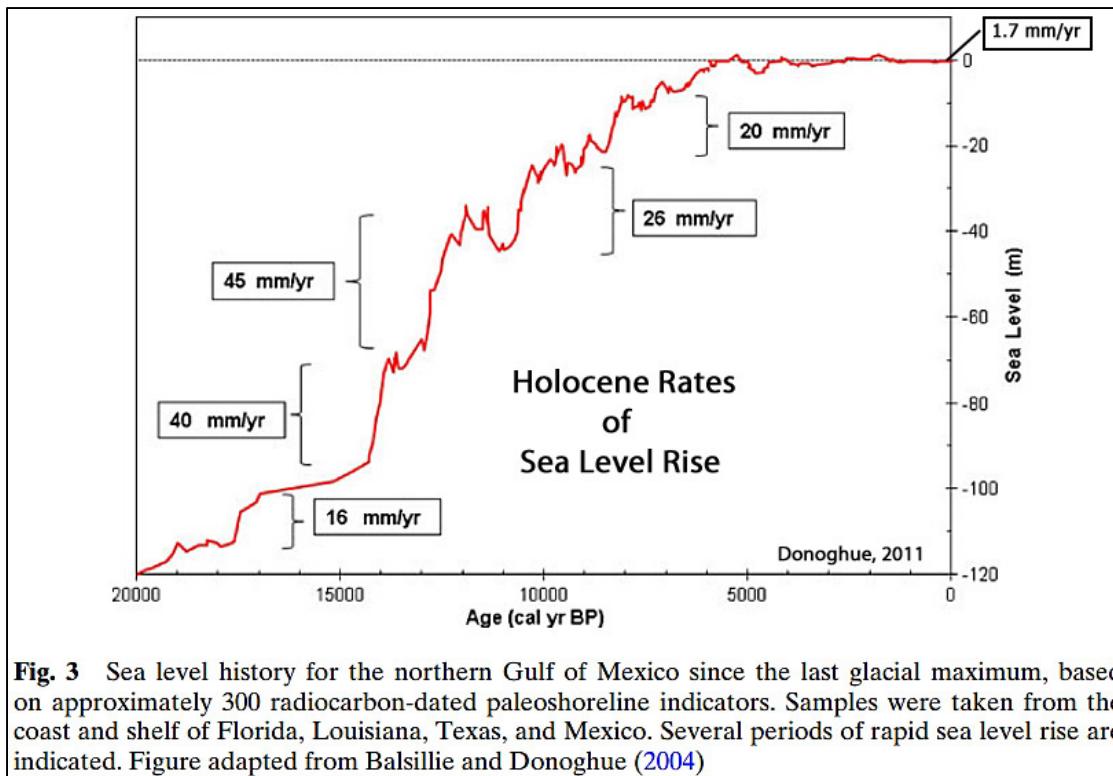
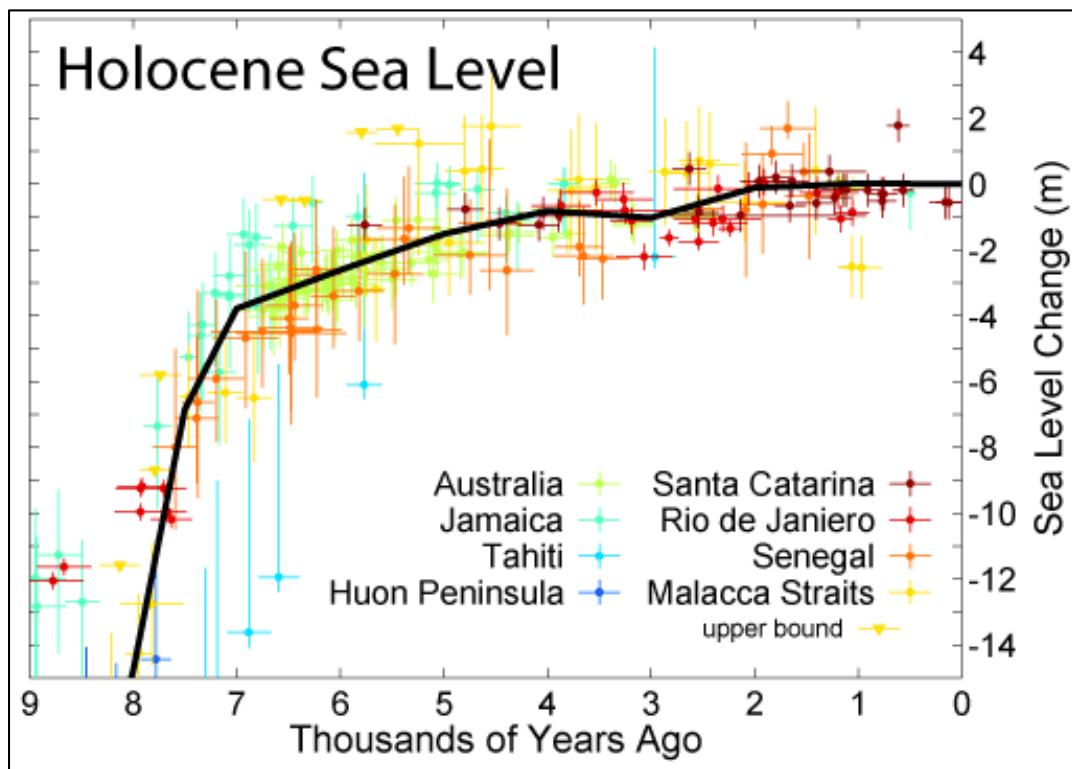


Figure 3: Sea Level Height (m) and Change (mm) per Year in Last 20,000 Years



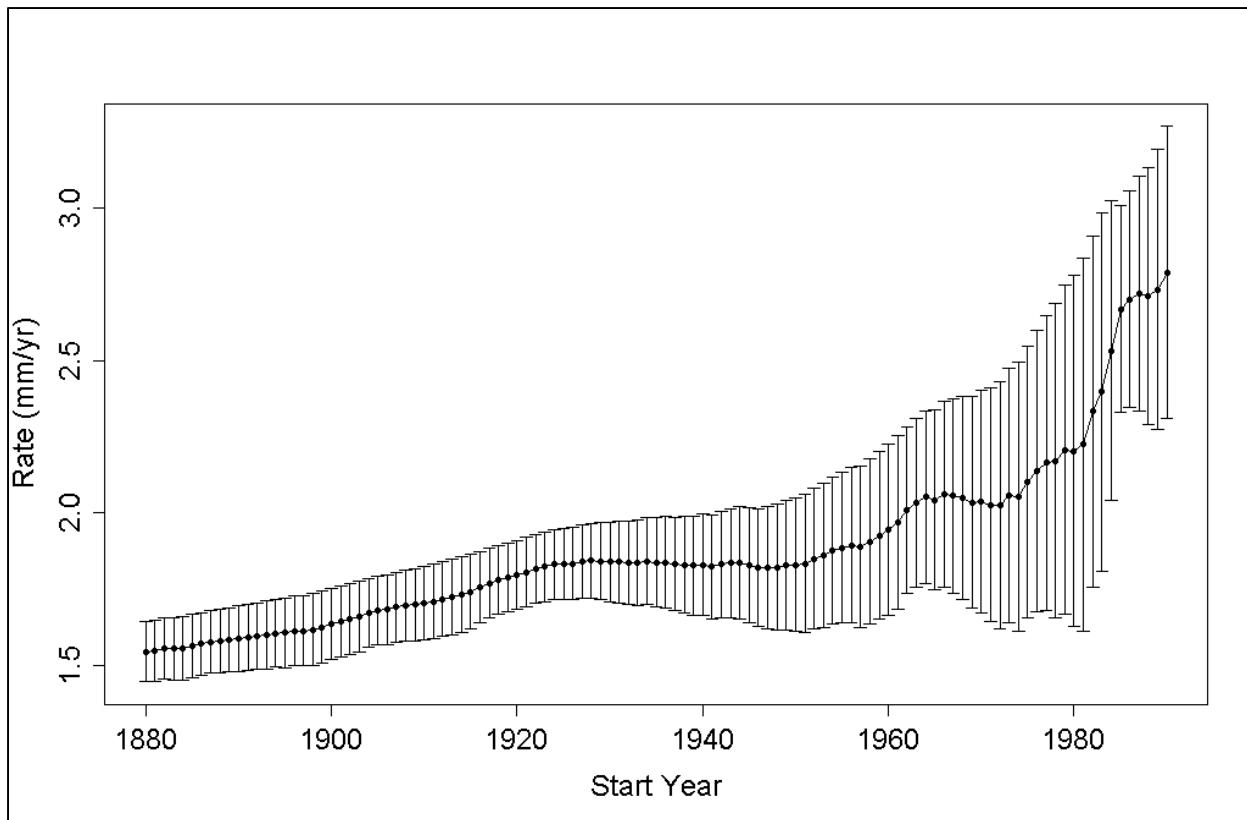


Figure 5: Sea Level Rate of Change (MM/Year) Since 1880

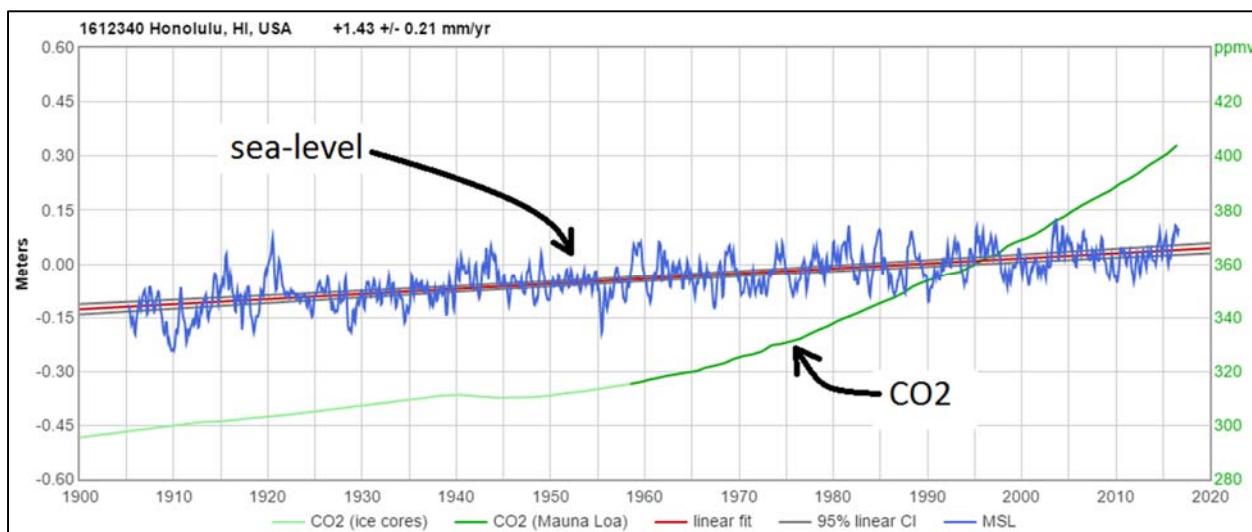


Figure 6: Sea Level and CO₂ Levels Since 1900

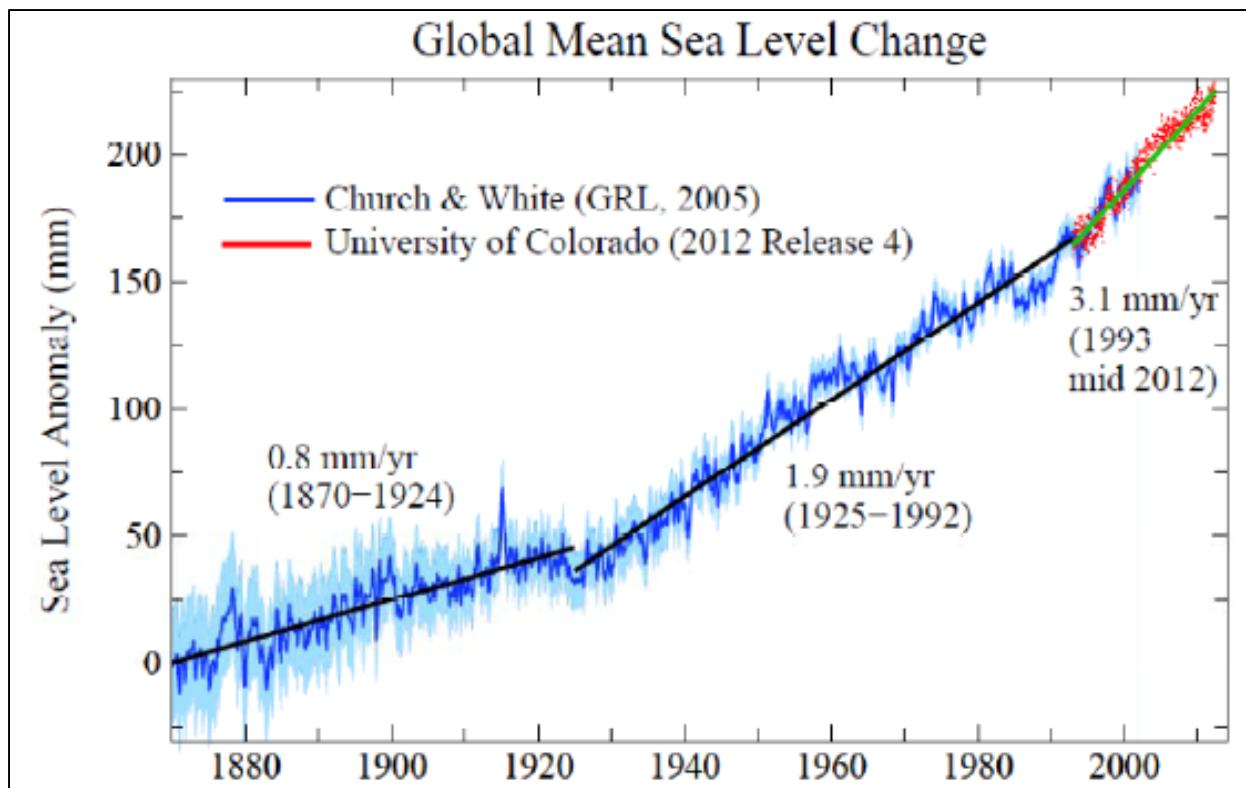


Figure 7: Sea Level (mm) and Change per Year Since 1880

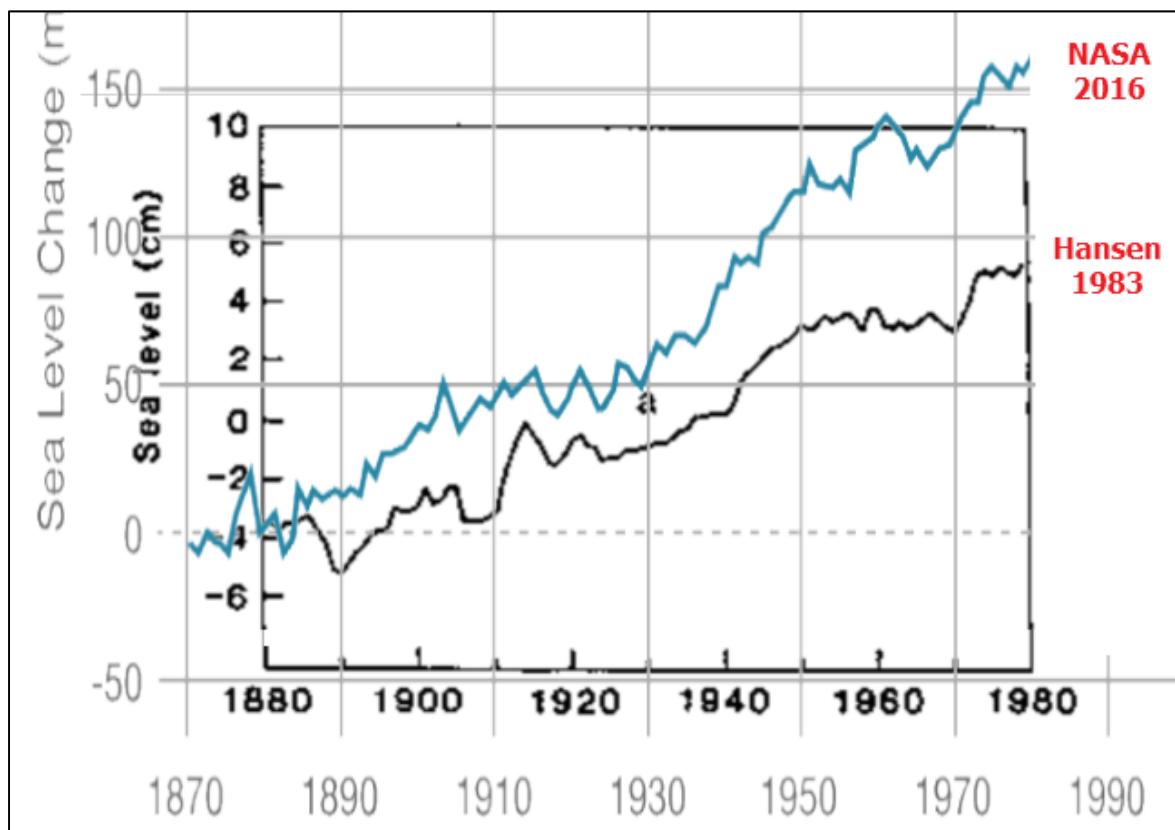


Figure 8: Sea Level (mm) Since 1880 NASA: 2016 vs 1983

NASA Sea Level Change

SATELLITE DATA: 1993-PRESENT

Data source: Satellite sea level observations.
Credit: NASA Goddard Space Flight Center

RATE OF CHANGE

 3.3

millimeters per year



Source: <https://climate.nasa.gov/vital-signs/sea-level/>

Figure 9: 2020 Sea Level per Satellite (mm) Since 2013¹¹

Contributors to global sea sea level rise (1993-2018)

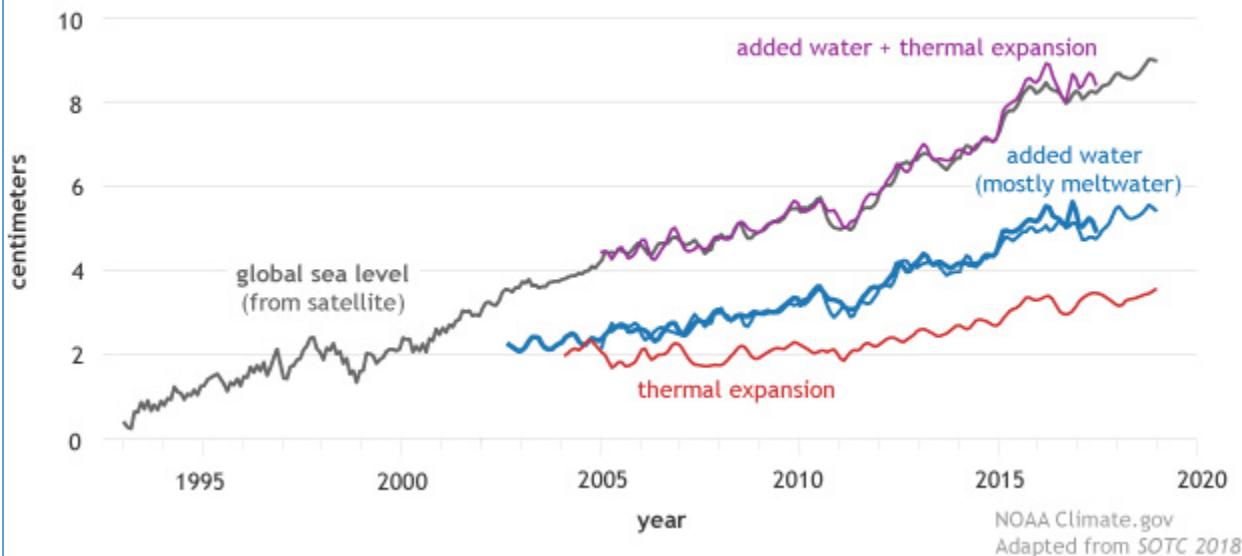


Figure 10: Sea Level (mm) Since 1993: Contributors

NOAA Technical Report 083 *Global and Regional Sea Level Rise Scenarios for the United States*

NOAA Technical Report 086 *Patterns and Projections of High Tide Flooding Along the U.S. Coastline Using a Common Impact Threshold.*

¹¹ <https://climate.nasa.gov/vital-signs/sea-level/> Average shown is since 1993

PREDICTIONS:

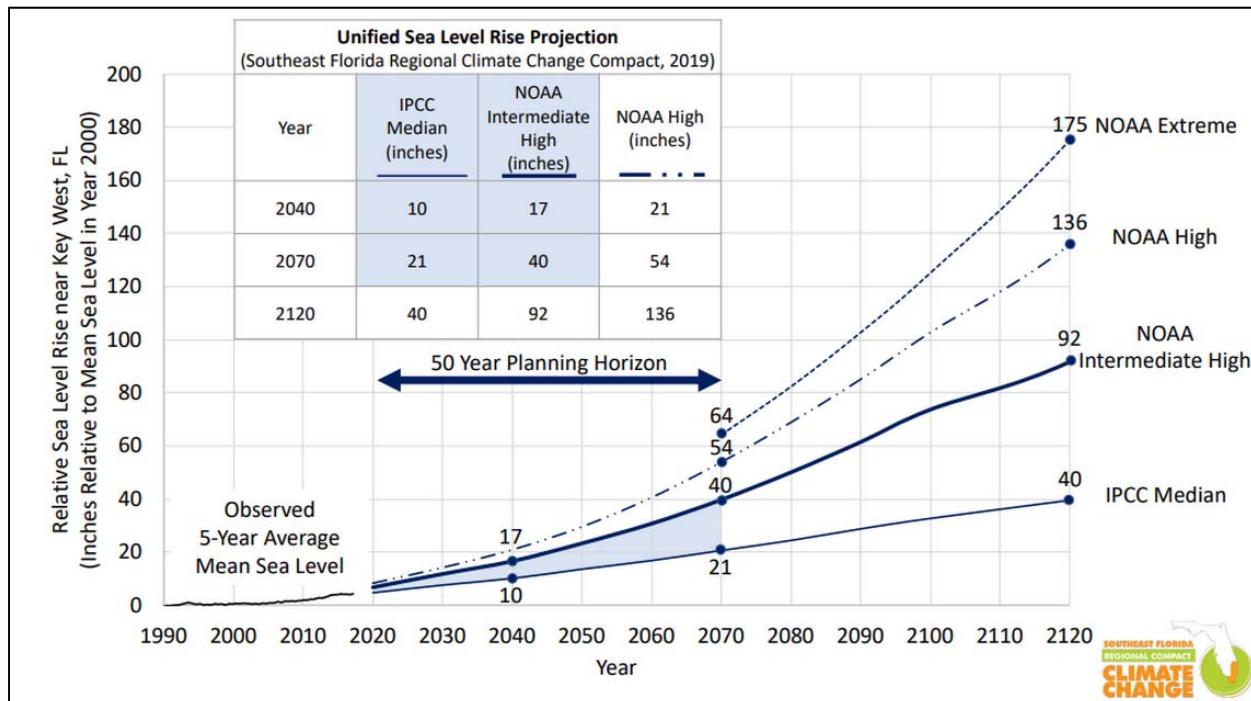


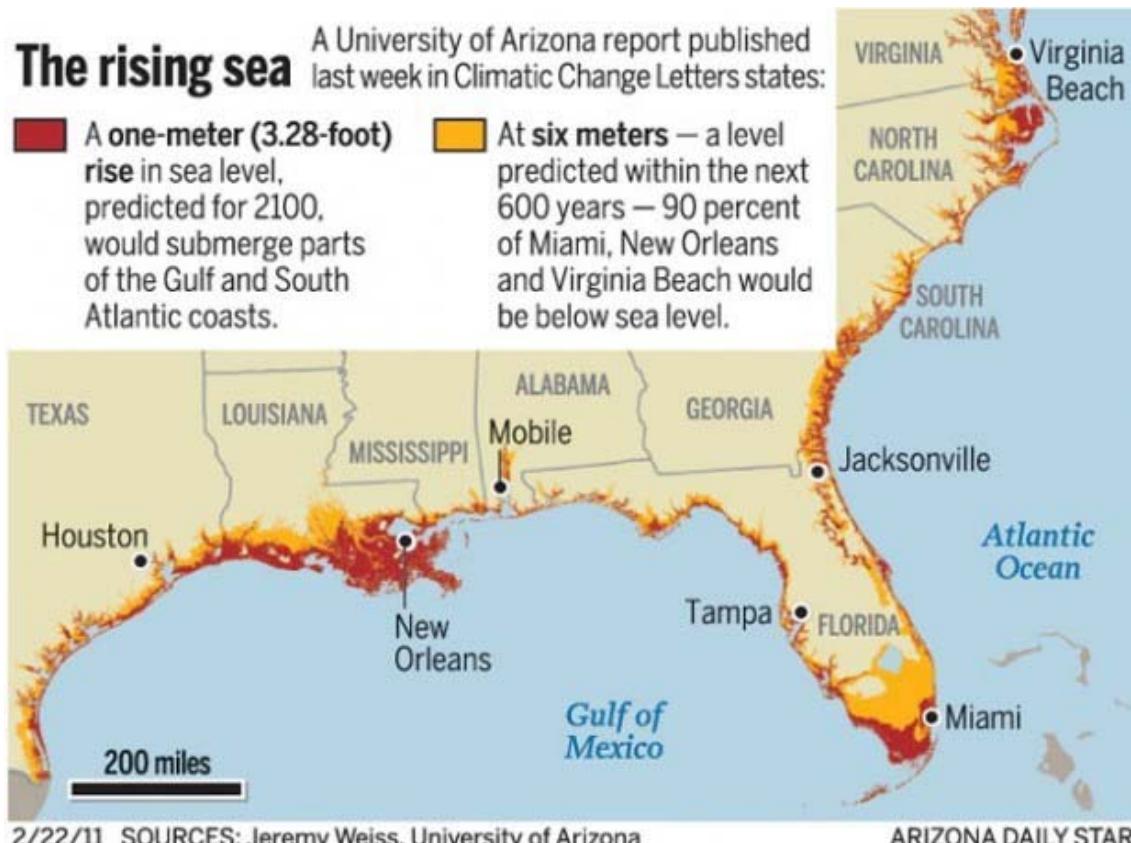
Figure 11: Sea Level (inches) Projected IPCC and NOAA

The rising sea

A University of Arizona report published last week in Climatic Change Letters states:

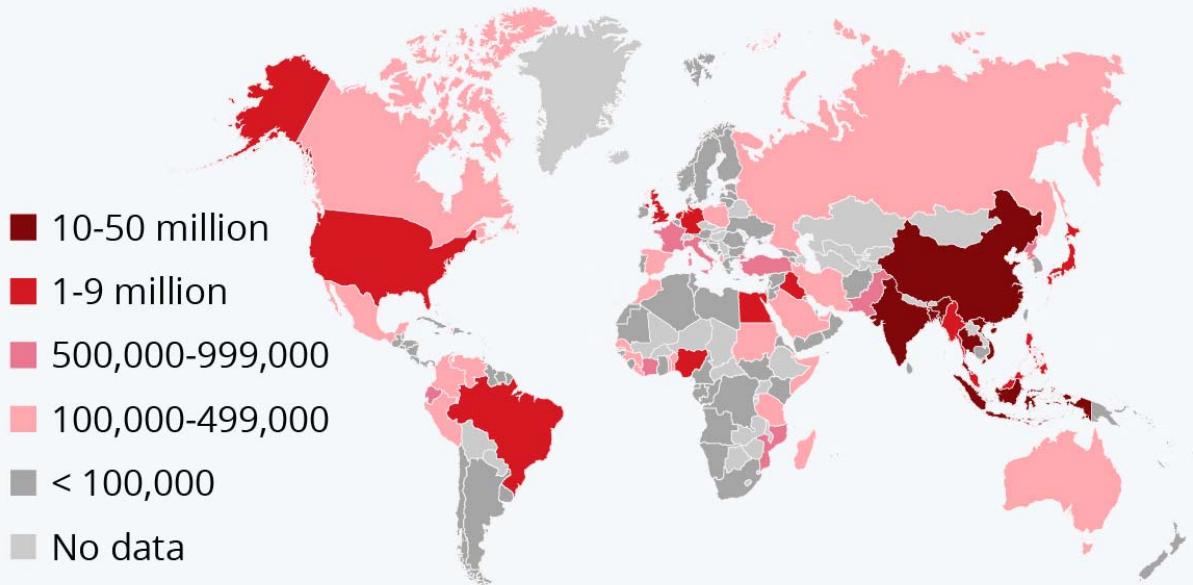
A one-meter (3.28-foot) rise in sea level, predicted for 2100, would submerge parts of the Gulf and South Atlantic coasts.

At six meters — a level predicted within the next 600 years — 90 percent of Miami, New Orleans and Virginia Beach would be below sea level.



Where Most People Are Affected by Rising Sea Levels

Number of people per country living on land expected to be under sea level by 2100*



* assuming a rise in sea levels of 50-70 cm (2° C temperature increase/not taking into account ice sheet instability)

Source: Scott A. Kulp & Benjamin H. Strauss: New elevation data triple estimates of global vulnerability to sea-level rise and coastal flooding, Nature Communications



statista