

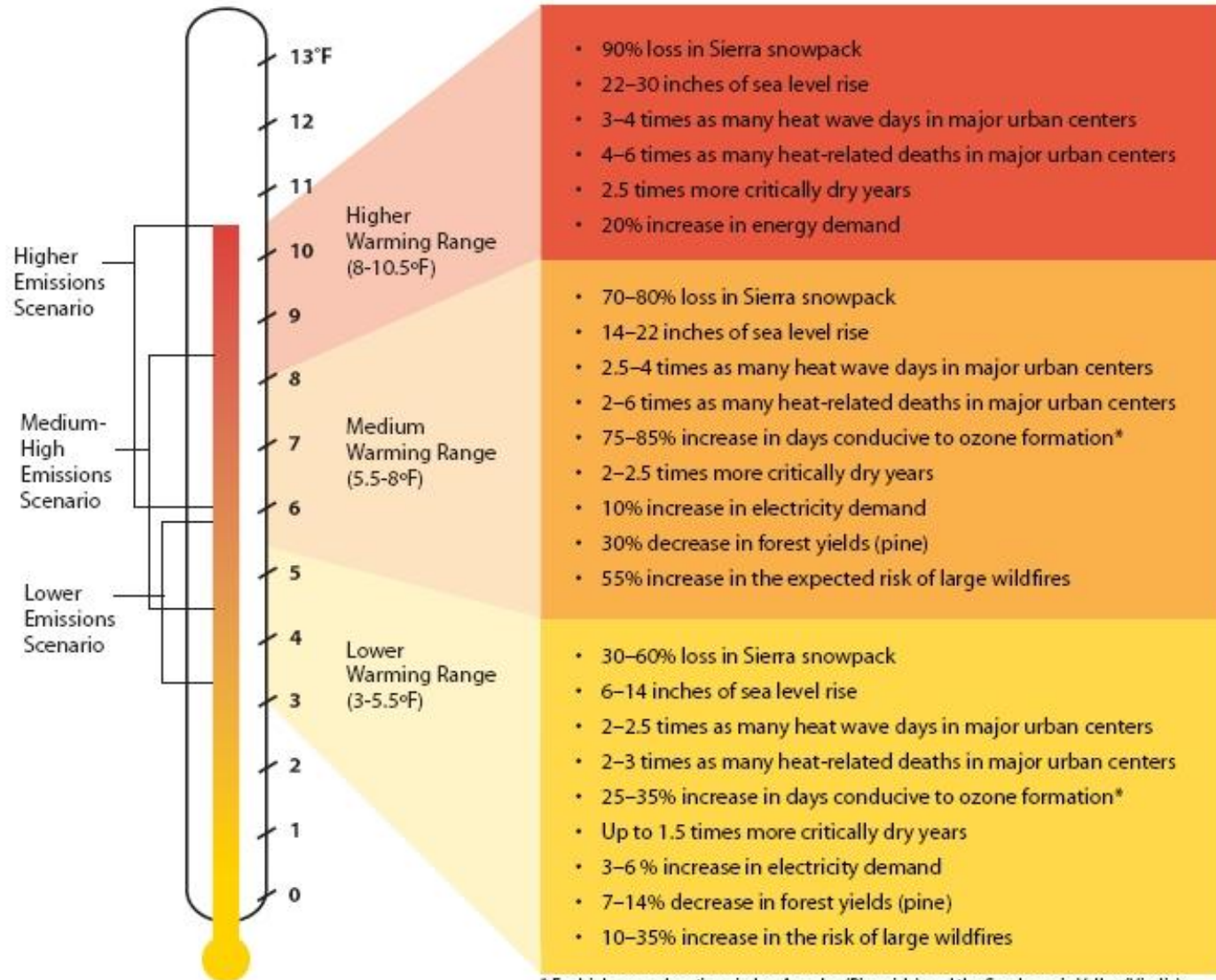
Climate: Are you poised for change?

Becky Smyth, West Coast Regional Director
NOAA Coastal Services Center



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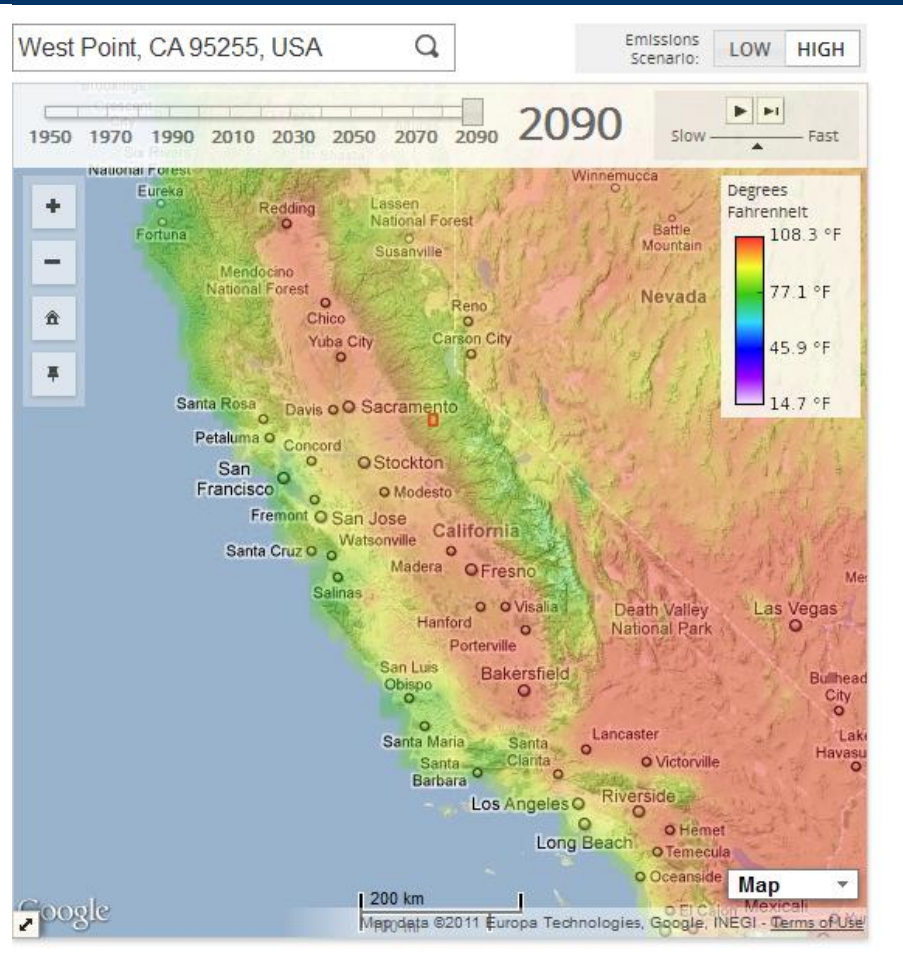
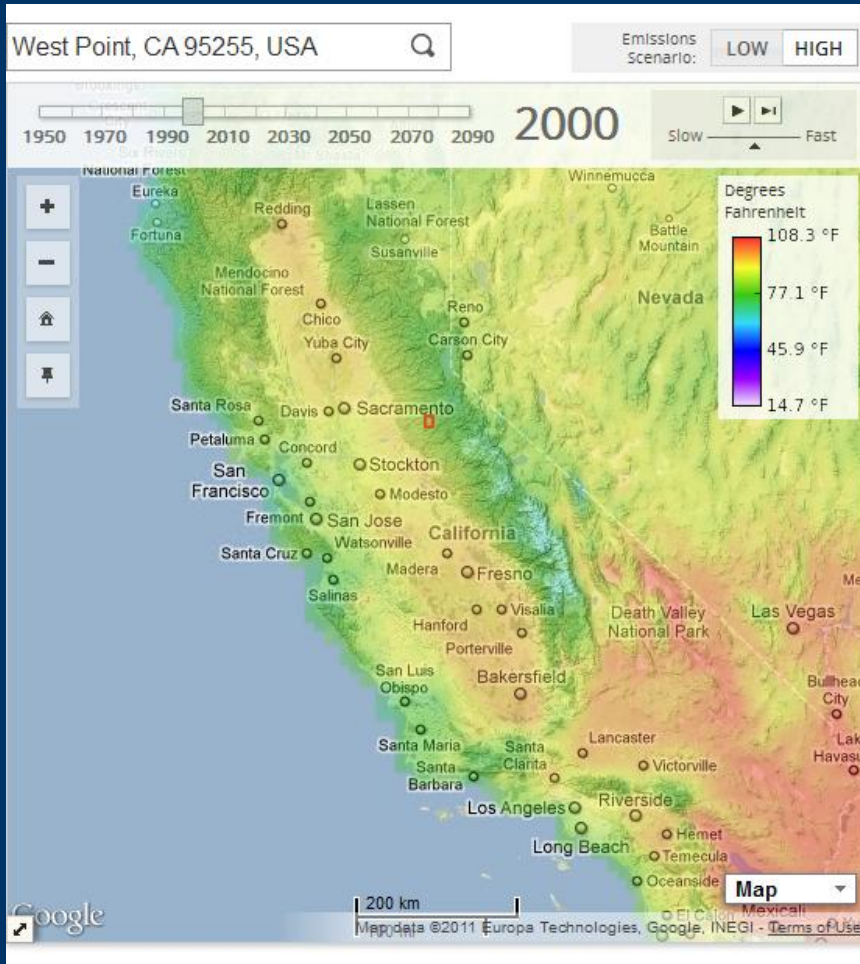
Summary of Projected Global Warming Impact, 2070–2099 (as compared with 1961–1990)



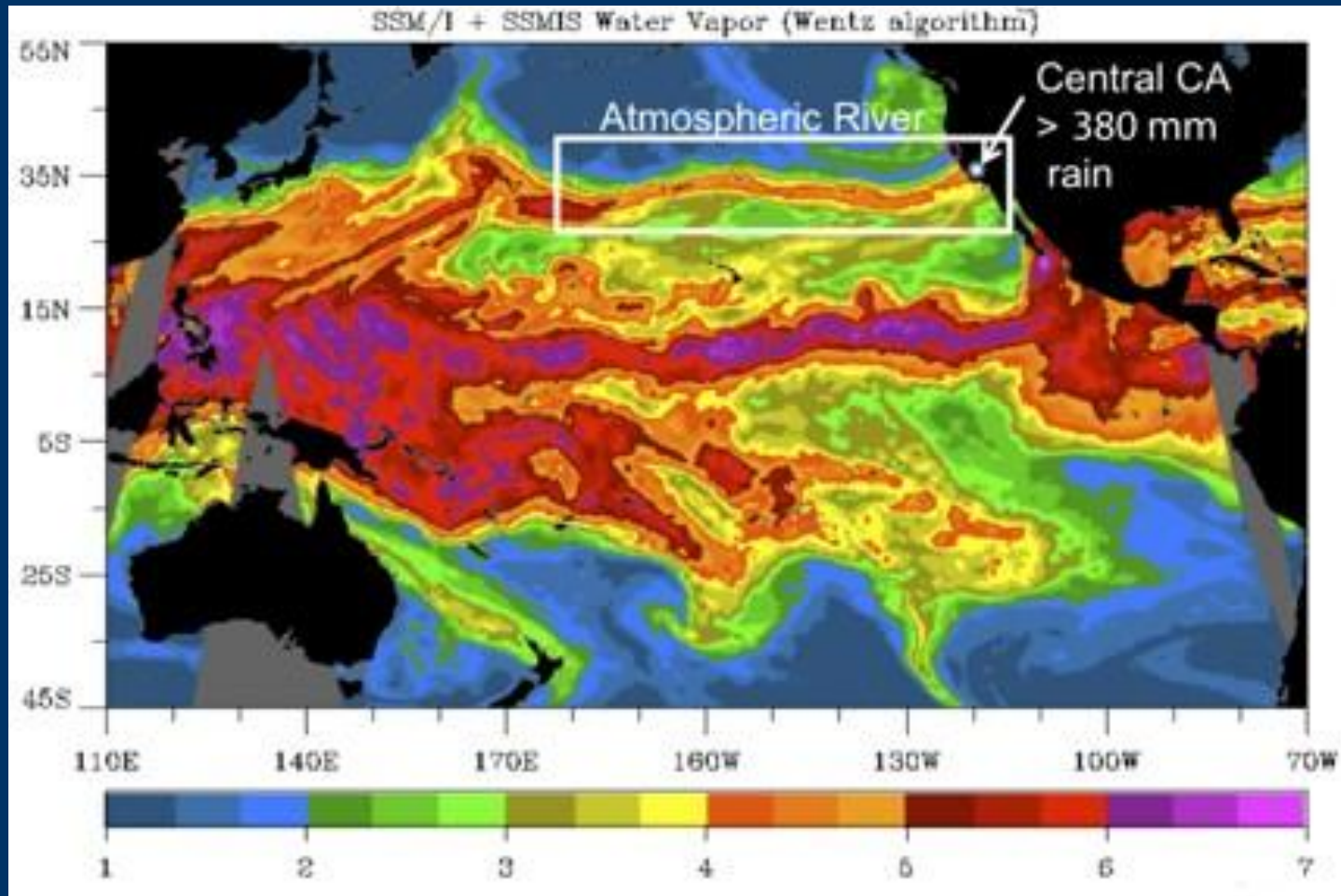
* For high ozone locations in Los Angeles (Riverside) and the San Joaquin Valley (Visalia)



Temperature : Decadal Averages August



“Atmospheric Rivers” and Rain



Snowpack

Decreasing California Snowpack

Historical Average (1961–1990)

2070–2099

Lower Warming Range
Drier Climate

Medium Warming Range
Drier Climate

100%
remaining

40%
remaining

20%
remaining

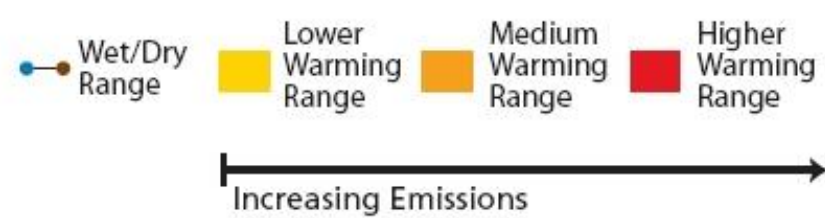
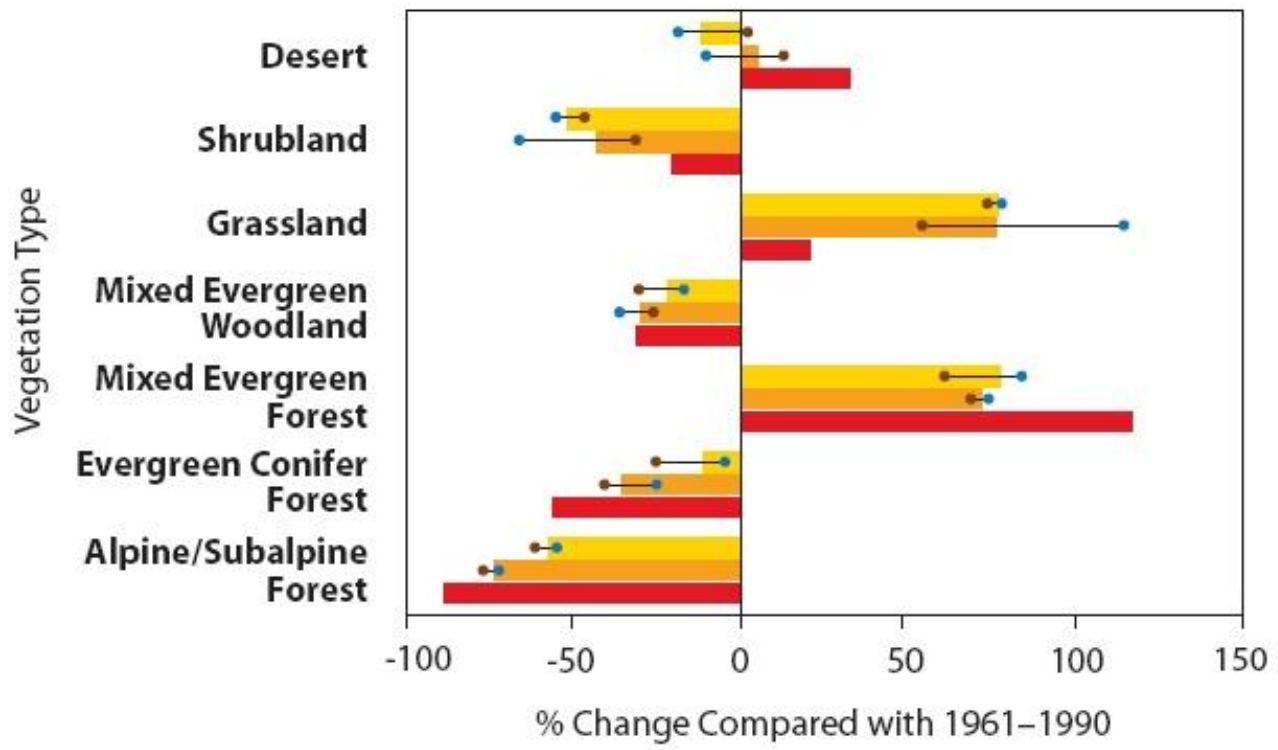


April 1 snow water equivalent (Inches)



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Change in Vegetation Cover, 2070–2099



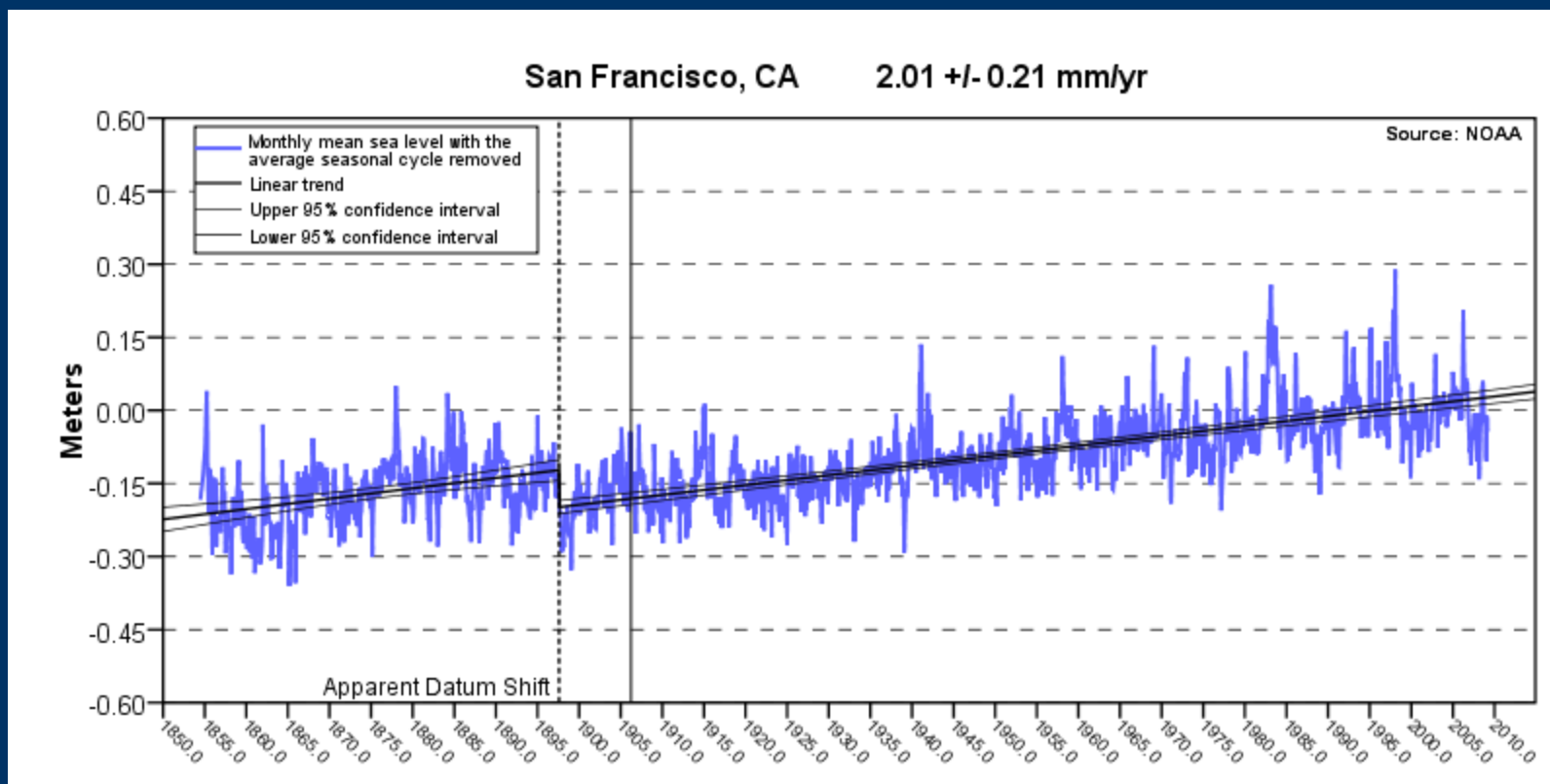


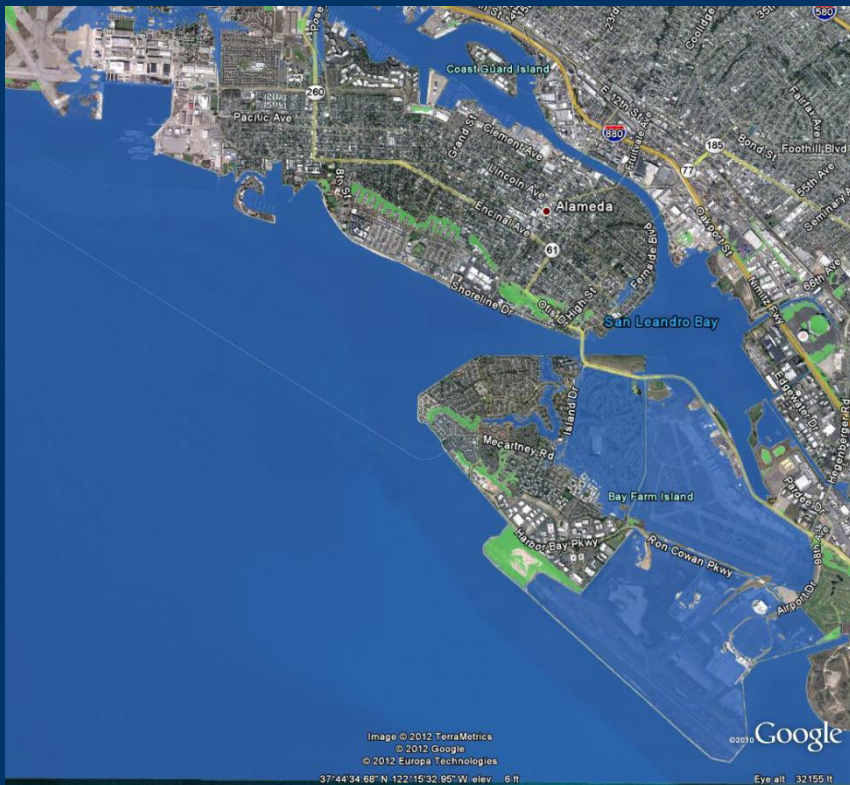
Figure 1. Trend in Monthly Mean Sea Level at the San Francisco Tide Station from 1854–2006

Source: National Oceanic and Atmospheric Administration (NOAA) Sea Levels Online, http://tidesandcurrents.noaa.gov/sltrends/sltrends_station.shtml?stnid=9414290

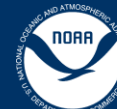
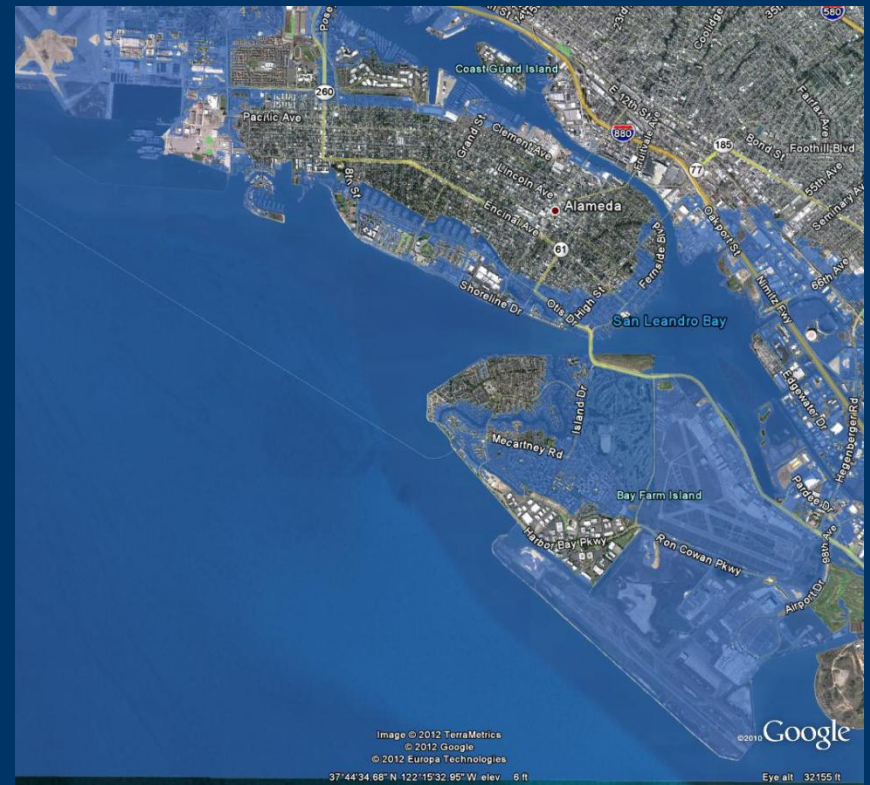


Sea Level Rise Viewer – Alameda

3 Feet Inundation



6 Feet Inundation



www.climate.gov

www.cal-adapt.org

www.csc.noaa.gov/DigitalCoast

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