

Surging Seas Risk Finder <http://sealevel.climatecentral.org/maps/risk-finder>



Climate Central built Surging Seas Risk Finder as a public web tool to help communities, planners, and leaders better understand sea level rise and coastal flood risks. This screening-level tool provides:

- an interactive submergence risk map that uses a bathtub model to show areas vulnerable to flooding from combined sea level rise, storm surge, and tides, or to permanent submergence by long-term sea level rise, includes layers for social vulnerability, population, ethnicity, income, and property value, and is based primarily on LIDAR elevation data supplied by NOAA
- localized sea level rise and flood risk projections based on dozens of selectable sea level rise models and emissions scenarios, including those by NOAA, Army Corps of Engineers, and IPCC
- exposure analysis that covers over 100 demographic, economic, infrastructure and environmental variables using data drawn mainly from federal sources, including the Census, DOE, DOI, EPA, FCC, FEMA, NOAA, and USGS
- community comparisons that tabulate exposure for various area types including zip codes, municipalities, counties, planning districts, agency districts, states, and other administrative units, from local to state to federal levels
- printable narrative PDFs for every city, county, and other area analyzed in the web tool
- data downloads from state to local levels

A range of [custom analyses](#) are also available for entities providing specific data and resources.

The tool is available for 21 states and Washington, D.C. and will be released for the remaining US coastal states including HI and AK in the future along with national analysis. The web tool is listed as a resource on these national tool portals: [US Climate Resilience Toolkit](#), [NOAA Digital Coast](#), [The White House Climate Data Initiative](#).

This effort is made possible thanks to a partnership with the [Hazards and Vulnerability Research Institute](#) (HVRI) at The University of South Carolina, and support from organizations such as the [Kresge, Rockefeller, Island](#) and [Schmidt Family](#) Foundations.

[Climate Central](#) is a non-profit organization – with no policy agenda or advocacy role – with offices in Princeton, NJ, and New York, NY, dedicated to studying and communicating the impacts of climate change, locally and nationally.

For more information contact us at sealevel@climatecentral.org or view our [FAQs](#).