

Summary of Arkema et al. Input Data Sources

See Supplementary Information for further details about accessing and processing these data and how they were used in the nation-wide analysis.

Data category	Data	Source
Sea-level rise	Scenarios	Parris, A. et al. 2012. Global Sea Level Rise Scenarios for the US National Climate Assessment . NOAA Tech Memo OAR CPO-1. 37 pp.
	Local tide gauge	National Oceanographic and Atmospheric Administration (NOAA. 2009. Sea Level Variations of the United States 1854 to 2006 . Derived from 128 National Water Level Observation Network Stations. (NOAA's Ocean Service, Center for Operational Oceanographic Products and Services (CO-OPS))
Habitats	Emergent marsh, coastal forests, additional intertidal vegetation	U.S. Fish and Wildlife Service CONUS_wet_poly . 2012. (U.S. Fish and Wildlife Service, Division of Habitat and Resource Conservation). Cowardin, L. M., Carter, V., Golet, F. C. & LaRoe, E. T. 1979. Classification of Wetlands and Deepwater Habitats of the United States . (U.S. Department of the Interior, Fish and Wildlife Service).
	Coral reefs	Institute for Marine Remote Sensing, University of South Florida (IMaRS/USF), Institut de Recherche pour le Développement (IRD), UNEP-WCMC, The WorldFish Center, and WRI. 2011. Global Coral Reefs composite dataset compiled from multiple sources for use in the Reefs at Risk Revisited project incorporating products from the Millennium Coral Reef Mapping Project prepared by IMaRS/USF and IRD.
	Oyster reefs	Multiple sources; see Supplementary Table 5 in Arkema et al.
	Seagrass	Multiple sources; Supplementary Table 3 in Arkema et al.
	Kelp forests	Multiple sources; Supplementary Table 4 in Arkema et al.
	High and low dunes	Multiple sources; see text and citations on dunes in Arkema et al. Supplementary Material
Physical characteristics	Shoreline type	NOAA's Office of Response and Restoration Environmental Sensitivity Index (ESI) Maps .
	Relief	USGS HydroSHEDS (2012),
	Wave exposure; wind exposure	Tolman, H. L. User manual and system documentation of WAVEWATCH III version 3.14 , Technical Note. 2009. (US Department of Commerce, National Oceanographic and Atmospheric Administration, National Weather Service, National Centers for Environmental Predictions).
	Continental shelf	Contour polygon that depicts the edge of the continental margin, prepared by the Continental Margins Ecosystem (COMARGE) effort in conjunction with the Census of Marine Life, http://www.coml.org/projects/continental-margins-comarge
Socio-economic	Total population, number of elderly, number of poor families	US Census Bureau American Community Survey 2006_2010 Summary File: Technical Documentation . 2011. (US Census Bureau, US Department of Commerce, 2011); data provided in table B00003, B01001, and B17001.
	Residential property values	Zillow Home Value Index (ZHVI); Zillow, What is a Zestimate? (2012)