



## About the Data - [Sea Level Rise Map Viewer](#)

There are ten data overlays and two base maps in the Sea Level Rise Map Viewer. Data on display in the Viewer came from the following sources:

1. **Sea Level Rise Layers:** LiDAR (Light Detection and Ranging) elevation data. Sarasota County LiDAR, flown by Woolpert under contracts with Sarasota County and the Florida Division of Emergency Management (FDEM), 2007. Manatee County LiDAR, SWFMD, 2009.
  - a. Sea Level Rise 1ft to 6ft prediction based upon values in
    - i. National Research Council, 2011. [Climate Stabilization Targets: Emissions, Concentrations, and Impacts over Decades to Millennia](#). National Academies Press, Washington, DC;
    - ii. Florida Oceans and Coastal Council, 2010. [Climate Change and Sea-Level Rise in Florida -An Update of the effects of Climate Change on Florida's Ocean & Coastal Resources](#). Tallahassee, Florida; and
    - iii. Rahmstorf, S., 2010. [A new view of sea-level rise: Has the IPCC underestimated the risk of sea-level rise?](#) Nature Reports Climate Change 4(4): 44-45.
    - iv. The above sources are updates of projections from the Intergovernmental Panel on Climate Change Report, 2007.
  - b. Storm surge up to 6ft: Hurricane Charley in Florida, Observations, Recommendations, and Technical Guidance, Mitigation Assessment Team Report, FEMA 488, 2005.
2. **Coastal Natural Habitats:** South West Florida Water Management District (SWFMD) Land Use Land Cover, 2008, Manatee County. Sarasota Bay Estuary Program Habitat Data developed by Vanasse Hangen Brustlin, Inc, (March, 2003).
  - a. Habitat types shown are mangrove swamps, beaches other than swimming beaches, tidal flats/submerged shallow platform, saltwater marshes.
  - b. Processed for tiled display using MapTiler.
3. **Parks and Protected Areas:** Florida Natural Areas Inventory, June 2005.
  - a. Polygon data layer for public (and some private) lands that the Florida Natural Areas Inventory (FNAI) has identified as having natural resource value and that are being managed at least partially for conservation purposes. The term "Managed Area" refers to a managed conservation land.
  - b. Areas displayed on map using a [Google Earth KML file](#).
4. **Major Drainages and Canals:** Manatee County Public Works, Bradenton, FL, Dec. 2009.
  - a. Based on 2009 aerial photos of Manatee County.
  - b. Represents drainage conduits actively maintained by the county and is not a complete dataset of all drainages and canals. Sarasota County drainages data are under development.
  - c. Lines displayed on map using a [Google Earth KML file](#).
5. **County Area:** UA Census 2000 TIGER/Line County Boundary Files prepared by the U.S. Census Bureau-Washington, DC; 2002.
  - a. Manatee and Sarasota County displayed using a [Google Earth KML file](#).
6. **Base Layers:** Terrain map and satellite map are incorporated into the website with the use of Google Maps Application Programming Interface (API).

The data and maps in this tool illustrate the scale of potential flooding, not the exact location, and do not account for erosion, subsidence, or future construction. The data and maps in this tool are provided "as is," without warranty to their performance, merchantable state, or fitness for any particular purpose. The entire risk associated with the results and performance of these data is assumed by the user. This tool should be used strictly as a planning reference tool and not for navigation, permitting, or other legal purposes.

Attribution: OpenLayers: Open source JavaScript map coding language ([www.openlayers.org](http://www.openlayers.org)), MapTiler: Open source image tiling software ([www.maptiler.org](http://www.maptiler.org)), Google Maps API, Google Earth KML

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