



National Hurricane Center updates National Storm Surge Hazard Maps

NOAA's National Hurricane Center (NHC) is issuing a new version of the National Storm Surge Hazard Maps. The improvements, based on user feedback, will include:

- GIS data files available for download
- The addition of Puerto Rico (inclusion of wave setup)
- Updated topography data (Digital Elevation Model)
- The inclusion of the new South Florida SLOSH grids

The updated maps, which cover the coast from Texas to Maine, and now Puerto Rico, will continue to be hosted by NOAA's GeoPlatform and be accessible via NHC's webpage at www.hurricanes.gov/nationalsurge. The first version of the National Storm Surge Hazard Maps was released in November of 2014. During the transition, the first version of the service may be temporarily unavailable.

Approximately 22 million people in the United States are vulnerable to storm surge, which is responsible for about half the deaths in the United States due to tropical cyclones. In addition to homes and businesses, many evacuation routes are also at risk of inundation from surge. The new maps allow anyone living in hurricane-prone coastal areas along the U.S. East and Gulf Coasts to visualize and evaluate their own risk to storm surge. And the addition of GIS data files in version 2 enables advanced mapping and geoprocessing functions.

The maps below illustrate that storm surge is not just a beachfront problem, with the risk of storm surge extending several miles from the immediate coastline in some areas. Florida has a particularly large vulnerable population, with about 40 percent of its residents at risk to worst-case storm surge flooding.



