





## Potential Storm Surge Flooding Map- Data Downloads Description






For each advisory the Potential Storm Surge Flooding Map is active, NHC will provide a download to those datasets in GeoTIFF format for use in Geographic Information Systems (GIS) software. Each dataset will contain an ESRI World File (.tfw) and metadata .xml file. These GeoTIFFs will be 8-bit unsigned integer rasters. Listed below are the RGB colors, labels in the map legend, and class values used in this map.

There will be two datasets available for download. Each dataset can be downloaded as a .zip file from the link found below the map viewer of the active storm on the NHC webpage or from the links found on the NHC GIS webpage. Listed with each sample legend is the generic naming format for the .zip file and the name of the GeoTIFF that would be found inside the given .zip file.

**inundation.zip** - Potential Storm Surge Flooding GeoTIFF, which contains, 'STORMNAME\_YEAR\_Adv##\_e10\_ResultRaster.tif'


<u>RGB Values</u>	<u>Legend and Labels</u>	<u>Class Values in GeoTIFF</u>
( 0, 112, 255)	 Greater than 1 foot above ground	2
(255, 255, 0)	 Greater than 3 feet above ground	3
(255, 170, 0)	 Greater than 6 feet above ground	4
(255, 0, 0)	 Greater than 9 feet above ground	5

**tidalmask.zip** - Potential Storm Surge Flooding with Intertidal Mask Layer GeoTIFF, which contains, 'STORMNAME\_YEAR\_Adv##\_e10\_ResultMaskRaster.tif'

<u>RGB Values</u>	<u>Legend and Labels</u>	<u>Class Values in GeoTIFF</u>
(156, 156, 156)	 Intertidal Zone/Estuarine Wetland	15
( 0, 112, 255)	 Greater than 1 foot above ground	2
(255, 255, 0)	 Greater than 3 feet above ground	3
(255, 170, 0)	 Greater than 6 feet above ground	4
(255, 0, 0)	 Greater than 9 feet above ground	5

For each GeoTIFF, the class value of "1" (0 to 1 foot above ground) is not displayed on the graphic displayed on the NHC website.

When the map is active for the Western Gulf of Mexico, some leveed areas are displayed with black diagonal lines on a white background. The Potential Storm Surge Flooding Map is not displayed within these areas and users are urged to consult local officials for any flood risk inside these areas. The map uses a class value of "7" to represent the location of these leveed areas.

 **Leveed area**  
**Consult local officials for flood risk**