




Hurricane Storm Surge Map **Category 4** Portsmouth, Virginia

SUFFOLK

NORFOLK

CHESAPEAKE

Legend
Potential Storm Surge Flooding
 **Category 4 Hurricane**

NOTES:
1. STORM TIDE ELEVATIONS ARE BASED ON STILL WATER LEVELS WITH STORM SURGE FLOODING OCCURRING AT TIME OF HIGH TIDE WITH NO WAVE ACTION INCLUDED.
2. LIMITS OF STORM TIDE INUNDATION WERE DELINEATED USING GEOGRAPHIC INFORMATION SYSTEM TECHNOLOGY, INCORPORATING COMPUTED STORM TIDE ELEVATIONS WITH DIGITAL ELEVATION BASE MAP DATA. DIGITAL ELEVATION BASE MAP DATA PROVIDED BY THE CITY OF PORTSMOUTH, DATE OF BASE MAPPING - 1996, 1997.
3. THE MAPPING ILLUSTRATES THE WORST POSSIBLE TIDAL FLOODING FOR ALL STORMS CONSIDERED APPLICABLE TO THE GEOGRAPHIC AREA, REGARDLESS OF THE STORM DIRECTION, TRACK, OR FORWARD SPEED. NO ONE HURRICANE WILL NECESSARILY PRODUCE ALL THE FLOODING REPRESENTED ON THE MAP. INFORMATION FOR A SPECIFIC STORM SCENARIO (BY DIRECTION AND FORWARD SPEED) CAN BE OBTAINED FROM THE LOCAL EMERGENCY MANAGEMENT OFFICE.
4. THE STORM TIDE MAPPING SHOULD ONLY BE USED FOR GENERAL PLANNING PURPOSES.

**Portsmouth GIS
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