



**MARYLAND WESTERN SHORE HURRICANE EVACUATION STUDY  
STORM SURGE MAP  
CHARLES COUNTY, MARYLAND**

<b>AREAS OF POSSIBLE FLOODING</b>	<b>POTENTIAL FRESHWATER FLOODING FEMA FLOOD INSURANCE RATE MAPS</b>
<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ccccff; border: 1px solid black; margin-right: 5px;"></span> CATEGORY 1 HURRICANES</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #9999ff; border: 1px solid black; margin-right: 5px;"></span> CATEGORY 2 HURRICANES</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #6666ff; border: 1px solid black; margin-right: 5px;"></span> CATEGORY 3 HURRICANES</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #3333ff; border: 1px solid black; margin-right: 5px;"></span> CATEGORY 4 HURRICANES</li> </ul>	<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ffcc99; border: 1px solid black; margin-right: 5px;"></span> 100 YEAR FLOOD</li> <li><span style="display: inline-block; width: 10px; height: 10px; background-color: #ff9966; border: 1px solid black; margin-right: 5px;"></span> 500 YEAR FLOOD</li> </ul>

**SLOSH MODEL - STORM SURGE (Feet): CAT 1/ CAT 2/ CAT 3/ CAT 4**

This map reflects potential tidal flooding from hurricanes. Potential flood areas are based on storm surge heights calculated by the National Weather Service's SLOSH (Sea, Lake, and Overland Surges from Hurricanes) Model. Categories 1 through 4 refer to the Saffir-Simpson scale of hurricane intensity. Storm surge elevations used here present "worst case" combinations of direction, forward speed, landfall point, and astronomical tide for each category. These surge elevations do not include wave heights that may accompany storm surge.

Potential flood areas from the National Flood Insurance Program (NFIP) Flood Insurance Rate Maps (FIRM) are shown on this map in order to highlight the potential for flooding caused by rainfall. FIRM flood hazards areas (tidal or freshwater) within the SLOSH tidal areas are not shown.

This hurricane storm surge map was produced by the U.S. Army Corps of Engineers, Baltimore District. It is made available for review by the State of Maryland, local government emergency management, and other interested agencies.

Questions or comments or GIS Data request should be directed to Michael Schuster (410-962-8160; Michael.J.Schuster@usace.army.mil) or Jared Scott (410-962-7445; Jared.M.Scott@usace.army.mil)

A PDF of this map can be downloaded from the Maryland Western Shore HES website: <http://www.nab.usace.army.mil/hes.htm>

**This Map is subject to additional quality assurance and editing. IT SHOULD NOT BE GENERALLY DISTRIBUTED.**

0 0.5 1 2 3 4 Miles

1 inch equals 5,000 feet



**US Army Corps  
of Engineers**  
Baltimore District

Date: June 2006