



**HURRICANE KATRINA SURGE INUNDATION  
and  
ADVISORY BASE FLOOD ELEVATION MAP  
Hancock County, MS**

Date of Event: August 29, 2005  
Date of Map: December 30, 2005

**Map Number: MS-B6**

**Estimated Katrina Surge Elevations<sup>1,2</sup>**

**20-21 ft**

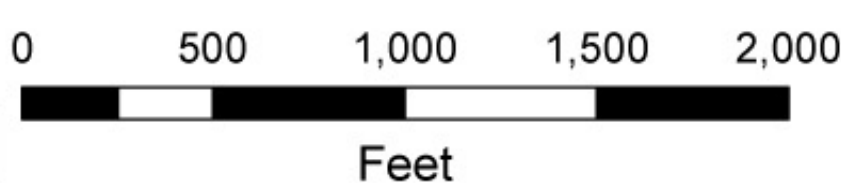
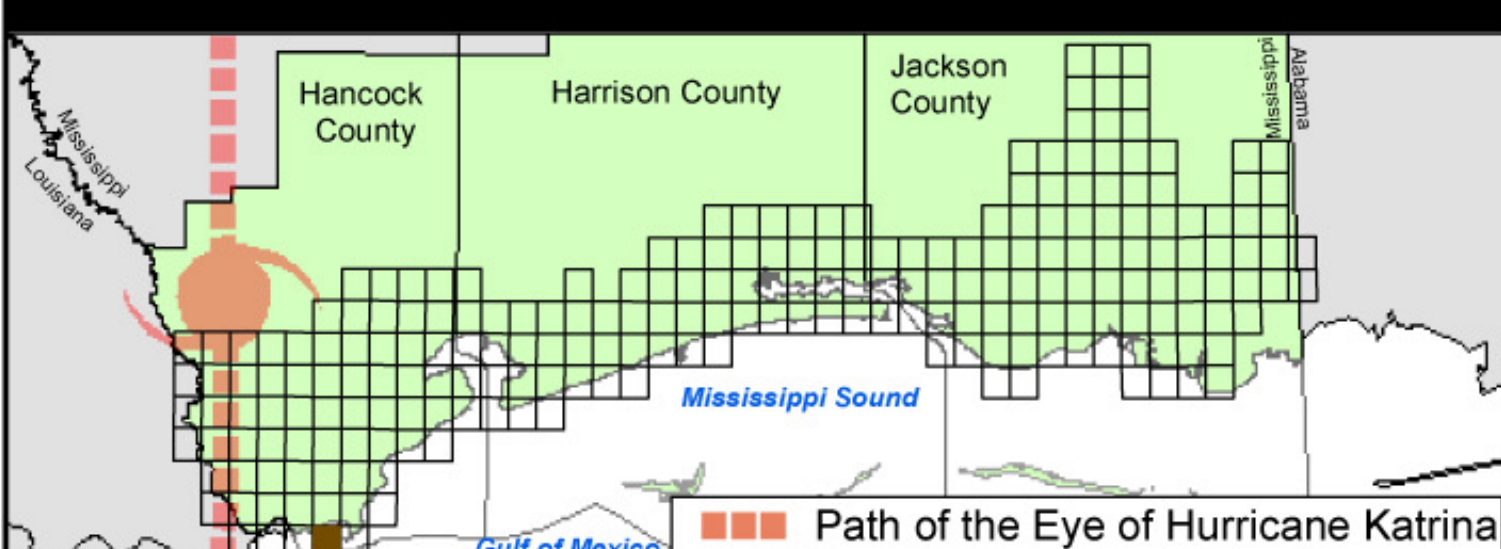
**Advisory Base Flood Elevations<sup>2,3</sup>**

**Open Coast: 20-30 ft  
Back Bay: N/A**

**Effective Base Flood Elevations<sup>2</sup>**

**VE Zone: 17-19 ft  
AE Zone: N/A**

**OVERVIEW MAP**



**LEGEND**

- |  |  |  |  |                                    |
|--|--|--|--|------------------------------------|
|  | State Boundary                                   |  | County Boundary                                  | <b>Flood Advisory-Related Data</b> |
|  | Preliminary Indoor High Water Mark <sup>2</sup>  |  | ABFE Contours (1-foot intervals) <sup>3</sup>    |                                    |
|  | Preliminary Outdoor High Water Mark <sup>2</sup> |  | ABFE Inland Limit <sup>3</sup>                   |                                    |
|  | Preliminary Debris High Water Mark <sup>2</sup>  |  | Approx. Limit of 1.5-foot Wave Zone <sup>3</sup> |                                    |
|  | Limit of Katrina Surge Inundation                |  | Approx. Limit of 3-foot Wave Zone <sup>3</sup>   |                                    |
|  |  |  | Open Coast/Back Bay Boundary                     |                                    |
|  |  |  | Limit of ABFEs                                   |                                    |

**Data Sources:**

**Aerial Imagery:** USDA, National Agriculture Imagery Program, 2004  
**Flood Zones and Elevations:** FEMA Flood Insurance Rate Maps (Hancock Co., MS, [1983-1992]; Harrison Co., MS [1984-2002]; Jackson Co. [1984-1993]). Elevations converted from NGVD29 to NAVD88.  
**High Water Marks:** FEMA (Identified and surveyed Sept-Oct., 2005)  
**Storm Track:** NOAA National Weather Service

For more information on these advisory maps, please see [www.fema.gov/hazards/floods/recoverydata/katrina\\_index.shtml](http://www.fema.gov/hazards/floods/recoverydata/katrina_index.shtml)

**Notes:**

<sup>1</sup> Range estimated from surveyed, surge-only HWMs. Local wave effects (wave heights and wave runoff) are not included in these elevations.  
<sup>2</sup> Measured in feet relative to the North American Vertical Datum of 1988.  
<sup>3</sup> Post-Hurricane Katrina Advisory Base Flood Elevations (ABFEs) are based on updated statistical information to develop the estimated 1%-annual-chance (100-year) stillwater elevations (SWELs) plus estimated wave effects. For Hancock County, MS, the advisory SWEL is 20 ft for the Gulf Coast and 18 ft for back-bay areas. See equation below to calculate the ABFE with wave effects for a given site:  
**ABFE = Advisory SWEL + Wave Height,**  
where Wave Height = 1/2 Stillwater Flooding Depth (depth measured relative to the ground)

**MAPS FOR ADVISORY PURPOSES ONLY - NOT FOR INSURANCE RATING PURPOSES**

For insurance rating purposes, refer to the currently effective Flood Insurance Rate Map (FIRM), available from your local government or the FEMA Map Service Center (1-800-358-9616/ <http://msc.fema.gov>)