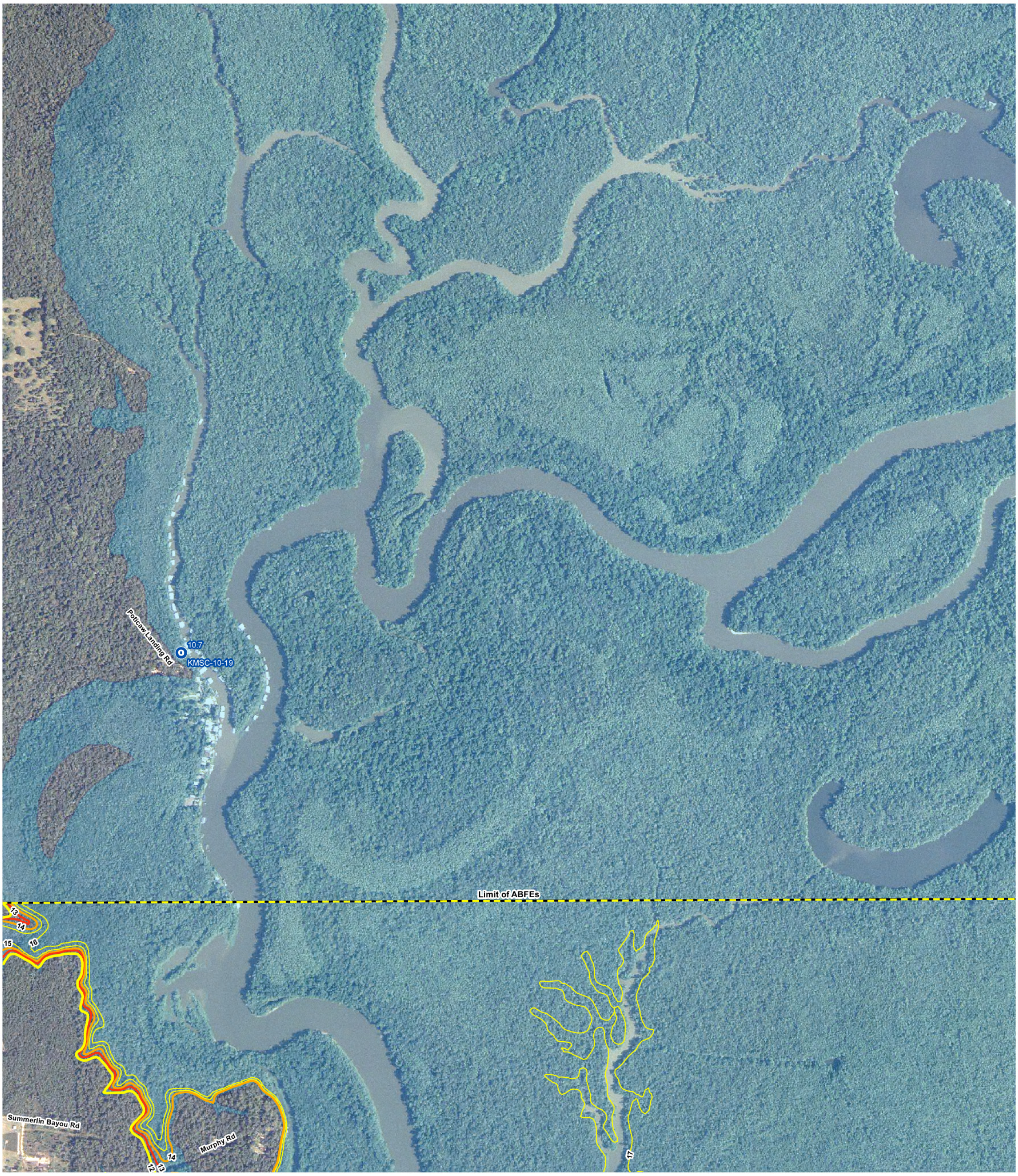


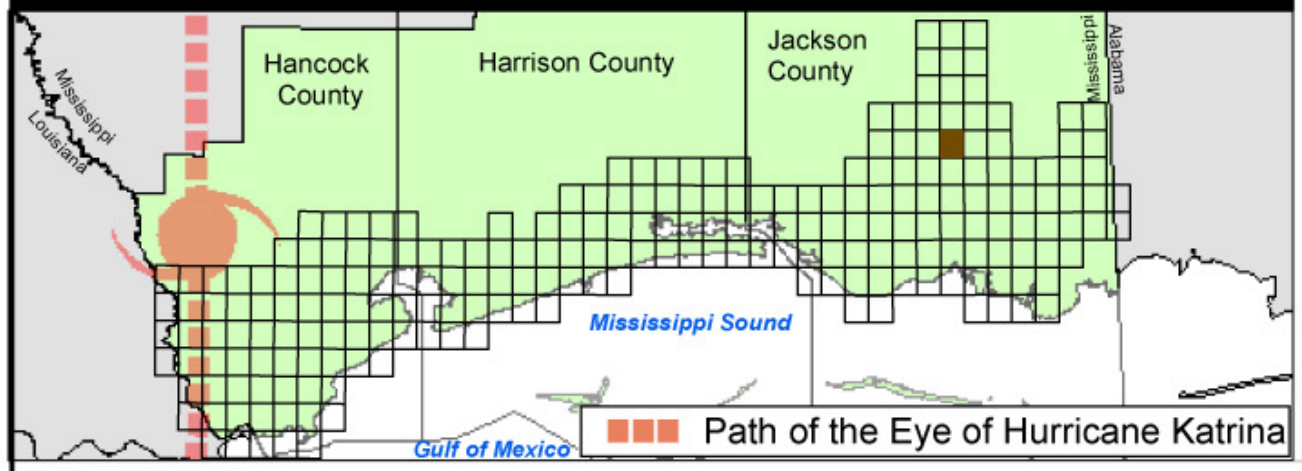

# HURRICANE KATRINA SURGE INUNDATION
# and
# ADVISORY BASE FLOOD ELEVATION MAP
## Jackson County, MS

Date of Event: August 29, 2005
Date of Map: January 6, 2006

**Map Number: MS-M34**

| Estimated Katrina Surge Elevations[1,2] |
|---|
| 11-12 ft |
| **Advisory Base Flood Elevations[2,3]** |
| Open Coast: N/A<br>Back Bay: 12-18 ft |
| **Effective Base Flood Elevations[2]** |
| VE Zone: N/A<br>AE Zone: N/A |

**OVERVIEW MAP**




0 500 1,000 1,500 2,000
Feet

**LEGEND**

State Boundary
County Boundary

**Hurricane Katrina-Related Data**

- Preliminary Indoor High Water Mark[2]
- Preliminary Outdoor High Water Mark[2]
- Preliminary Debris High Water Mark[2]
- Limit of Katrina Surge Inundation

**Flood Advisory-Related Data**

- ABFE Contours (1-foot intervals)[3]
- ABFE Inland Limit[3]
- Approx. Limit of 1.5-foot Wave Zone[3]
- Approx. Limit of 3-foot Wave Zone[3]
- 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.shtm***

**Notes:**

[1] Range estimated from surveyed, surge-only HWMs. Local wave effects (wave heights and wave runup) are not included in these elevations.

[2] Measured in feet relative to the North American Vertical Datum of 1988

[3] 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 Jackson County, MS, the advisory SWEL is 14 ft for the Gulf Coast and 12 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)***