

# Technical Announcement

MMS

U. S. Department of the Interior  
Minerals Management Service  
Gulf of Mexico OCS Region

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## *Modeling Waves and Currents Produced by Hurricanes Katrina, Rita, and Wilma*

### OCS Study MMS 2009-060

The Minerals Management Service (MMS), Gulf of Mexico OCS Region, announces the availability of a new study report, *Modeling Waves and Currents Produced by Hurricanes Katrina, Rita, and Wilma*.

This report presents an assessment of waves and currents during intense hurricanes in 2005 using a combination of numerical modeling and data analyses. The intent was to provide best estimates of the strengths as well as spatial and temporal distributions of currents and waves during Hurricanes Katrina (August 23-30, 2005) and Rita (September 18-26, 2005) in the northern Gulf of Mexico. The report also examines the basic physics of the ocean response to these intense hurricanes, and to a more limited extent, the physics of air-sea interaction. These assessments and increased understanding becomes more relevant as populations boom in coastal regions and as the earth embraces a warmer climate with higher sea-surface temperatures over the tropical oceans, which could lead to more intense storms.

This report is available only in compact disc format from the Minerals Management Service, Gulf of Mexico OCS Region, at a charge of \$15.00, by referencing OCS Study MMS 2009-060. The report may be downloaded from the MMS website through the [Environmental Studies Program Information System \(ESPIS\)](#). You will be able to obtain this report also from the National Technical Information Service in the near future. Here are the addresses. You may also inspect copies at selected Federal Depository Libraries.

Minerals Management Service  
Gulf of Mexico OCS Region  
Public Information Office (MS 5034)  
1201 Elmwood Park Boulevard  
New Orleans, Louisiana 70123-2394  
Telephone requests may be placed at  
(504) 736-2519, 1-800-200-GULF, or  
Rush Orders: 1-800-553-6847  
Fax: (504) 736-2620

U.S. Department of Commerce  
National Technical Information Service  
5285 Port Royal Road  
Springfield, Virginia 22161  
Phone: (703) 605-6040  
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**MMS Main Website: [www.mms.gov](http://www.mms.gov)**  
**Gulf of Mexico Website: [www.gomr.mms.gov](http://www.gomr.mms.gov)**