

Technical Announcement

U. S. Department of the Interior
Bureau of Ocean Energy Management
Gulf of Mexico OCS Region

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***Socioeconomic Responses to Coastal Land Loss and Hurricanes:
Measuring Resilience among Outer Continental Shelf-Related Coastal
Communities in Louisiana***

[OCS Study BOEM 2013-0111](#)

The Bureau of Ocean Energy Management (BOEM), Gulf of Mexico OCS Region, announces the availability of a new study report, *Socioeconomic Responses to Coastal Land Loss and Hurricanes: Measuring Resilience among Outer Continental Shelf-Related Coastal Communities in Louisiana*.

Given the damages inflicted on coastal communities by hurricanes in the past few years, community resilience has become an important topic in the Gulf Coast region. This study researches how community resilience can best be measured, develops a resilience index using quantitative measures and attempts to determine whether OCS-related communities are more resilient than coastal communities less involved in OCS activities. Researchers used factor analysis and discriminant variant analysis methods at a county level throughout the five Gulf Coast states. To determine whether higher levels of OCS-related employment make a community more resilient, researchers applied bi-variate correlation analyses. There was no evidence of statistically significant associations between either of the calculated resilience scores and the parish level measures of oil and gas industry activity in the region. However, this study is a first step in operationalizing key theoretical concepts that are relevant to considerations of how industry presence may influence socioeconomic conditions of communities.

This report is available on CD from the Bureau of Ocean Energy Management, Gulf of Mexico OCS Region, for \$15.00, and free of charge as a pdf file downloaded from the BOEM Web site. Copies can also be viewed at selected Federal Depository Libraries. The addresses are listed below.

To order a CD, use the Gulf of Mexico OCS Region contact information below and reference OCS Study BOEM 2012-0111. To download a pdf copy, use the [Environmental Studies Program Information System](#) (ESPIS) and search on the study report number. In the near future, you will also be able to get this report also from the National Technical Information Service.

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