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## **BOEM Information Need:**

- Information organized at the level of county aggregations (BOEM-defined impact areas) will support Gulf Region socioeconomic assessments for EIS's and EA's and for Coastal Zone Management consistency findings.
- The analysis of spatial relationships, population and population change, environmental factors, and OCS-related infrastructure will support the assessment of cumulative impacts by identifying non-OCS factors that drive much of these relationships.
- By assessing the OCS-related risked environment, this study will also support environmental justice analysis mandated by Executive Order 12898.

## **Date Information is Required:**

- As soon as possible within current and near-future budget reality

**BOEM OCS Region**

**Tentative Ranking: 9**

## **Background:**

### **A) Relationship with Previous Work/Efforts**

This effort would expand upon an earlier BOEM sponsored study beyond its original Environmental Justice framework:

- ***Environmental Justice Considerations in Lafourche Parish, Louisiana MMS 2003-038***



Source: [www.bayoucountryharley.com](http://www.bayoucountryharley.com)

## **Background:**

### **B) Relationship with Concurrent/Future Efforts**

This effort will also further broaden and expand a BOEM sponsored study set to be published this year. It will analyze Gulf of Mexico coastal communities (beyond Louisiana) through a Post-Macondo, Post-Katrina lens. This soon-to-be-published study that built upon the 2003 study is titled:

- ***Environmental Justice: A Comparative Study in Louisiana***  
**BOEM 2013-xx**

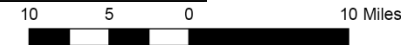
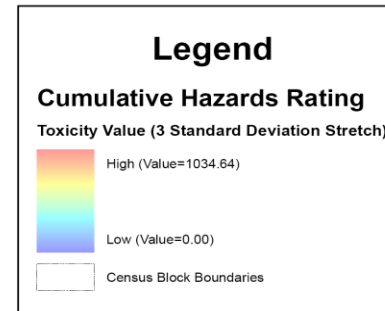
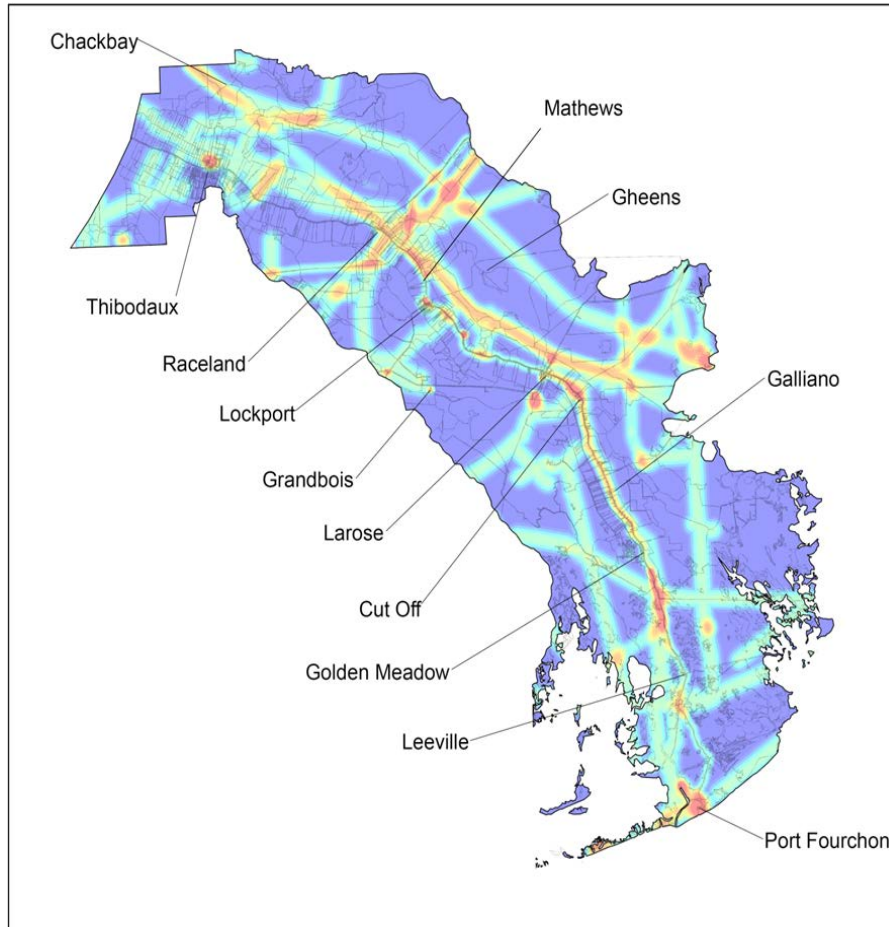


Source:  
disposalbinrentals.com

www.KatrinaDestruction.com



# Geo-Spatial Analysis of OCS Petroleum Effects on Coastal Communities



Data Source:  
U.S. Census Bureau 2000

Projection:  
North American Datum 1983  
Universal Transverse Mercator Projection  
Zone 15 North

Map Date: March 24, 2006  
Cartography by Scott A. Hemmerling

**BOEM OCS Region**

**Tentative Ranking: 9**

## Study's Objectives:

The overall goal is to further GOMR socioeconomic assessments by developing a better understanding of relationships between coastal populations and OCS-related onshore support. This study will:

1. Describe and map recent changes (i.e., post 2005) in Gulf Coast populations and assess the causes of these changes,
2. Describe and map onshore OCS-related support infrastructure and the risks associated with it,
3. Assess, at multiple geographic levels, the relationships between these risks on subsets of the population, and
4. Develop a robust and efficient method/model for the analysis of potential OCS-related impacts to environmental justice in the GOMR.

Source: [www.bestofneworleans.com](http://www.bestofneworleans.com)

## **Study's Methods:**

- ✓ Incorporate relevant information from publicly available government, NGO, and industry reports, trade and academic journals, etc.
- ✓ Synthesize BOEM- and USGS-supported Gulf Region research re:
  - onshore OCS support industries and infrastructure
  - communities and community resiliency
  - the socioeconomic consequences of the OCS industry, hurricanes, and the DWH oil spill
- ✓ Build on previous BOEM-supported geo-spatial analyses of the relationships among populations, onshore infrastructure, and risk
- ✓ Conduct a review of infrastructure types to determine incremental changes to their associated risked environments that are generated by new OCS sale-related demands
- ✓ Develop a tool for estimating OCS lease sale-related potential impacts to coastal populations

Source: [www.worldfishingnetwork.com](http://www.worldfishingnetwork.com)



# Geo-Spatial Analysis of OCS Petroleum Effects on Coastal Communities

