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Gulf of Mexico

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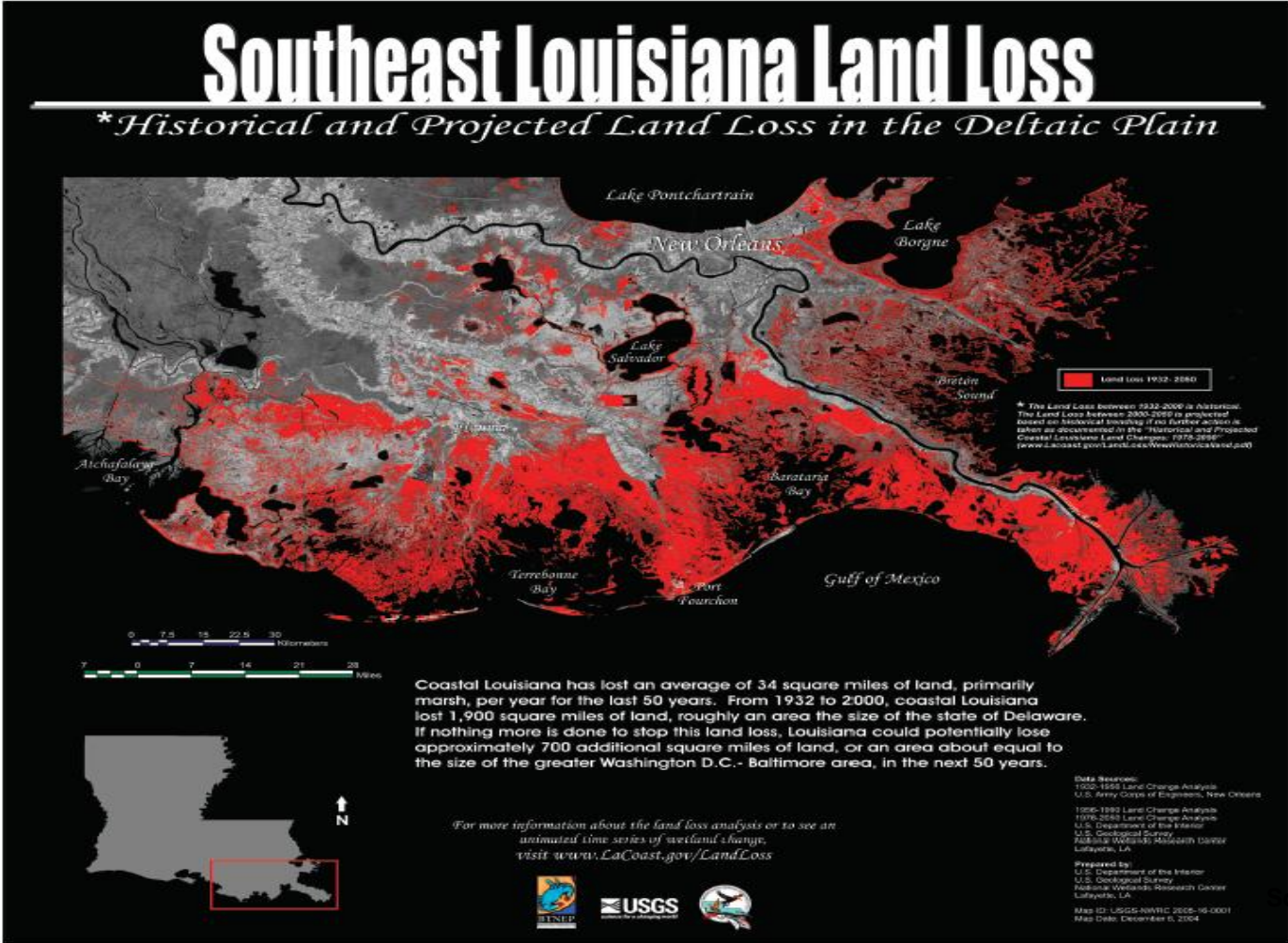| Page #	Break-out	Title	Rank
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BOEM OCS Region

BOEM OCS Region: GOM

Tentative Ranking: 6__

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Southeast Louisiana Land Loss

Historical and Projected Land Loss in the Deltaic Plain

Coastal Louisiana has lost an average of 34 square miles of land, primarily marsh, per year for the last 50 years. From 1932 to 2000, coastal Louisiana lost 1,900 square miles of land, roughly an area the size of the state of Delaware. If nothing more is done to stop this land loss, Louisiana could potentially lose approximately 700 additional square miles of land, or an area about equal to the size of the greater Washington D.C.- Baltimore area, in the next 50 years.

Source: USGS

BOEM OCS Region: GOM

Tentative Ranking: 6__

Louisiana Coastal Land Loss and Energy Infrastructure

BOEM OCS Region: GOM

Tentative Ranking: 6__

BOEM Information Need:

This study asks the questions of how coastal land loss and storm surges are currently impacting OCS infrastructure, how their preparations might be measured, and whether coastal industry is preparing for these impacts. Because of the large amount of OCS activity within the coastal areas of the state, these are particularly salient management issues.

Date Information is Required:

This research will advance the Bureau's cumulative analysis of the OCS leasing program, provide socioeconomic analysis to the Minerals Management Program and help the Bureau address several critical issues raised by the State of Louisiana in past 5-year and multi-sale EISs.

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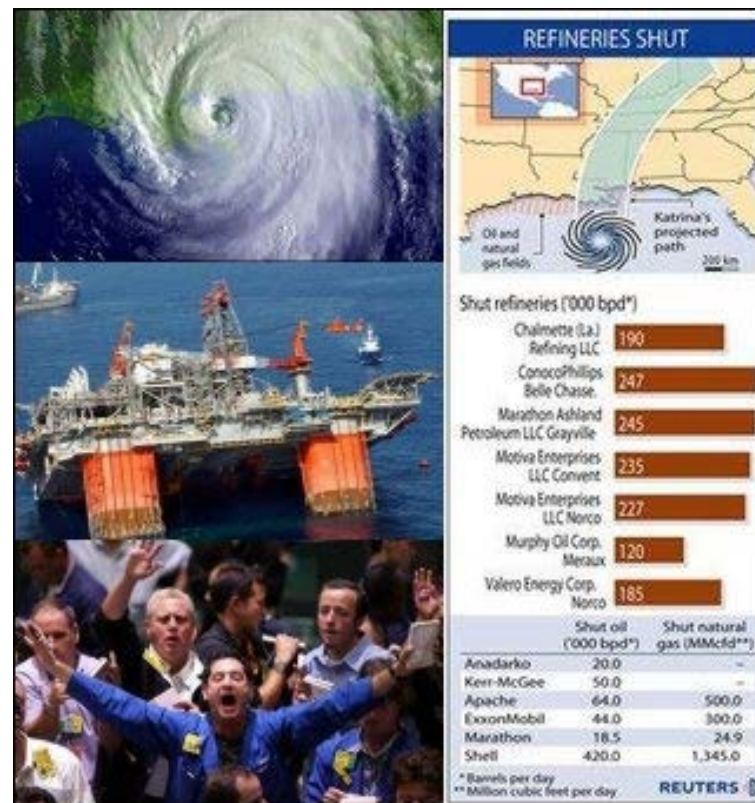
Background:

A) Relationship with Previous Work/Efforts

- OCS-Related Infrastructure in the Gulf of Mexico Factbook (2004-027 Contract # 01-02-CT-30955

- OCS-Related Infrastructure Fact Book, Volume 1: Post-Hurricane Impact Assessment (2011-043 Contract # M08AC12280)

- OCS-Related Infrastructure Fact Book, Volume 2: Communities in the Gulf of Mexico (2011-044 Contract # M08AC12280)

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Tentative Ranking: 6__

Background:

B) Relationship with Current Work/Efforts

- Potential opportunity to pursue study through a partnership with the State of Louisiana or the Coastal Marine Institute to improve the State's own Cost/Benefit estimates.

- Potential opportunity to pursue study through a partnership with the U.S. Corps of Engineers to improve the Corps' own Cost/Benefit estimates.
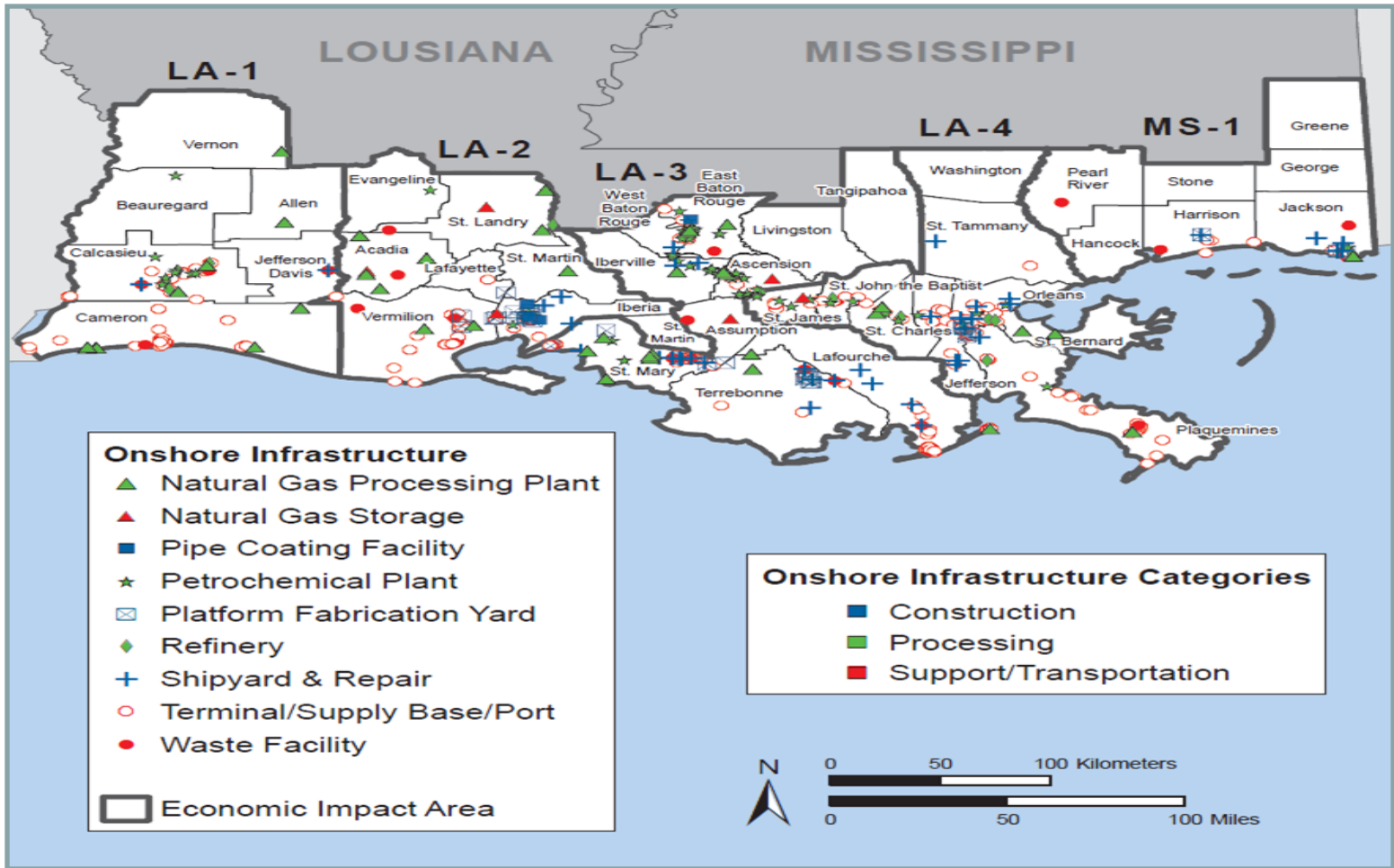
BOEM OCS Region: GOM

Tentative Ranking: 6__

Source: Blum and Roberts 2009

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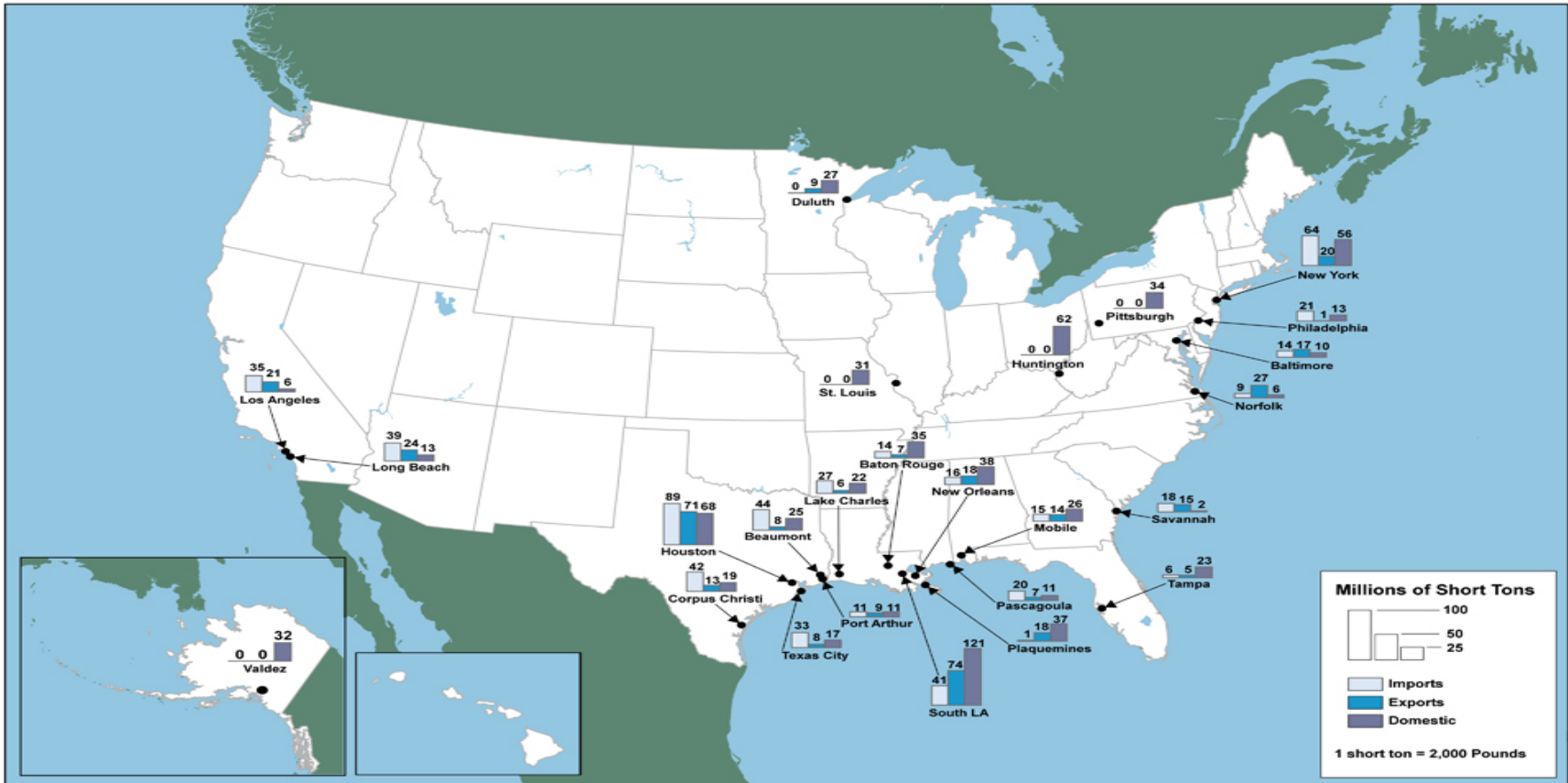
Tentative Ranking: 6__

BOEM OCS Region: GOM

Tentative Ranking: 6__

Louisiana Coastal Land Loss and Energy Infrastructure

Top 25 Ports by Tonnage: 2010

Source: U.S. Army Corps of Engineers, *2010 Waterborne Commerce of the United States, Part 5, National Summaries* (New Orleans, LA: 2010), table 5-2, available at www.ndc.iwr.usace.army.mil//wcsc/wcsc.htm as of June 18, 2012.
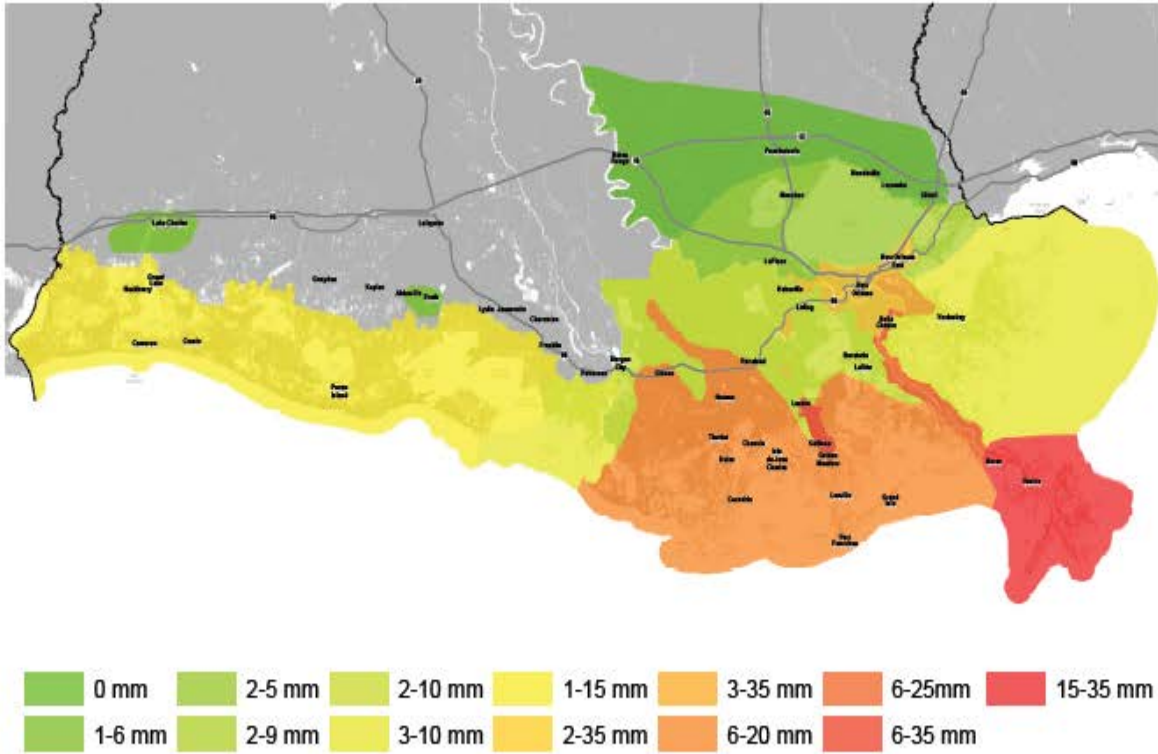
BOEM OCS Region: GOM

Tentative Ranking: 6__

Ranges of Coast Wide Annual Subsidence Rates

▶ **Figure 3.5**
Regional ranges of subsidence rates in mm/yr were used as inputs to the modeling analysis. The ranges depict both current values and predicted future values over 50 years.

| 0 mm | 2-5 mm | 2-10 mm | 1-15 mm | 3-35 mm | 6-25mm | 15-35 mm |
| 1-6 mm | 2-9 mm | 3-10 mm | 2-35 mm | 6-20 mm | 6-35 mm | |

Source: 2012 Coastal Master Plan

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Tentative Ranking: 6__

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Study's Objectives:

1. Compile baseline measures of the oil and gas industry's efforts to mitigate land loss impacts for infrastructure and increased hurricane surge threats.

2. Provide BOEM an understanding of industry strategies and objectives to mitigate land loss impacts as well as identify industry trends so that BOEM can better forecast economic and infrastructure impacts..

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Suggested Study's Methods:

- Conduct informal discussions with facility operators, business owners and other relevant personnel as well as representatives from industry groups on coastal land loss and hurricane surge preparations/mitigations.

- Perform a literature review of individual company plans and general industry mitigation plans for Louisiana coastal infrastructure.

- Develop a text database of discussion notes and other relevant materials (including relevant flood zone guidelines, FEMA flood program policy) covering the oil and gas and other industries and those reliant on the coastal system for current operations.

BOEM OCS Region: GOM   **Tentative Ranking: 6__**

BOEM OCS Region

Tentative Ranking:__