



**U.S. Department of the Interior  
Minerals Management Service  
Environmental Division**

**Update Notice (July 2003)**

**Oil-Spill Risk Analysis: Gulf of Mexico Outer Continental Shelf (OCS) Lease Sales, Central Planning Area and Western Planning Area, 2003-2007, and Gulfwide OCS Program, 2003-2042**

OCS Report MMS 2002-032 (June 2002)

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The following pages display the **updated** probabilities of one or more offshore spills greater than or equal to 1,000 barrels occurring from a proposed action in the Western and Central Gulf of Mexico Planning Areas and contacting the **Snowy Plover Habitat** within 10 days. These probabilities were revised to reflect the chance of contact over the **entire year** rather than just February through August, as depicted in the original report.

If you have any questions, please contact Zhen-Gang Ji at (703) 787-1145.

Table 3a. Probabilities (expressed as percent chance) of one or more offshore spills greater than or equal to 1,000 barrels occurring from a proposed action in the **Central GOM Planning Area** and contacting certain **onshore** environmental resource habitats, recreational beaches, or Texas county shorelines within 10 days for low and high oil resource estimates

| Onshore Environmental Resource<br>Habitats, Recreational Beaches,<br>Texas County Shorelines | <u>Low Estimate</u> |             | <u>High Estimate</u> |             |
|--|---------------------|-------------|----------------------|-------------|
|  | prob                | mean        | prob                 | mean        |
| Diving Bird Habitat  | 4                   | 0.04        | 9                    | 0.09        |
| Gull, Tern & Charadriid Allies Habitat   | 7                   | 0.08        | 15                   | 0.17        |
| Raptor Bird Habitat  | 1                   | 0.01        | 2                    | 0.02        |
| Charadriid Shorebird Habitat   | 7                   | 0.08        | 15                   | 0.17        |
| Wading Bird Habitat  | 5                   | 0.05        | 11                   | 0.12        |
| Waterfowl Habitat  | 9                   | 0.09        | 18                   | 0.19        |
| <b>Snowy Plover Habitat</b>  | <b>2</b>            | <b>0.03</b> | <b>5</b>             | <b>0.05</b> |
| Brown Pelican Habitat  | 4                   | 0.04        | 8                    | 0.09        |
| Whooping Crane Habitat   | n                   | 0.00        | n                    | 0.00        |
| Bald Eagle Habitat   | 7                   | 0.07        | 14                   | 0.15        |
| Piping Plover  | 7                   | 0.07        | 14                   | 0.15        |
| Gulf Sturgeon Known Shoreline Locations  | 2                   | 0.02        | 5                    | 0.05        |
| Alabama Beach Mouse Habitat  | n                   | 0.00        | n                    | 0.00        |
| Choctawhatchee Beach Mouse Habitat   | n                   | 0.00        | n                    | 0.00        |
| Perdido Key Beach Mouse Habitat  | n                   | 0.00        | n                    | 0.00        |
| St. Andrew Beach Mouse Habitat   | n                   | 0.00        | n                    | 0.00        |
| TX Coastal Bend Area Beaches   | n                   | 0.00        | n                    | 0.00        |
| TX Matagorda Area Beaches  | n                   | 0.00        | n                    | 0.00        |
| TX Galveston Area Beaches  | n                   | 0.00        | n                    | 0.00        |
| TX Sea Rim State Park  | n                   | 0.00        | n                    | 0.00        |
| LA Beaches   | 2                   | 0.02        | 4                    | 0.04        |
| AL/MS Gulf Islands   | n                   | 0.00        | n                    | 0.00        |
| AL Gulf Shores   | n                   | 0.00        | n                    | 0.00        |
| FL Panhandle Beaches   | n                   | 0.00        | n                    | 0.00        |
| Fl Big Bend Beaches  | n                   | 0.00        | n                    | 0.00        |
| FL Southwest Beaches   | n                   | 0.00        | n                    | 0.00        |
| FL Ten Thousand Islands  | n                   | 0.00        | n                    | 0.00        |
| Cameron, TX  | n                   | 0.00        | n                    | 0.00        |
| Willacy, TX  | n                   | 0.00        | n                    | 0.00        |
| Kenedy, TX   | n                   | 0.00        | n                    | 0.00        |
| Kleberg, TX  | n                   | 0.00        | n                    | 0.00        |
| Nueces, TX   | n                   | 0.00        | n                    | 0.00        |
| Aransas, TX  | n                   | 0.00        | n                    | 0.00        |
| Calhoun, TX  | n                   | 0.00        | n                    | 0.00        |
| Matagorda, TX  | n                   | 0.00        | n                    | 0.00        |
| Brazoria, TX   | n                   | 0.00        | n                    | 0.00        |
| Galveston, TX  | n                   | 0.00        | n                    | 0.00        |
| Chambers, TX   | n                   | 0.00        | n                    | 0.00        |
| Jefferson, TX  | n                   | 0.00        | n                    | 0.00        |

Notes: \*\* = Greater than 99.5%; n = less than 0.5%

Table 5a. Probabilities (expressed as percent chance) of one or more offshore spills greater than or equal to 1,000 barrels occurring from a proposed action in the **Western GOM Planning Area** and contacting certain **onshore** environmental resource habitats, recreational beaches, or Texas county shorelines within 10 days for low and high oil resource estimates

| Onshore Environmental Resource<br>Habitats, Recreational Beaches,<br>Texas County Shorelines | <u>Low Estimate</u> |             | <u>High Estimate</u> |             |
|--|---------------------|-------------|----------------------|-------------|
|  | prob                | mean        | prob                 | mean        |
| Diving Bird Habitat  | 4                   | 0.04        | 7                    | 0.07        |
| Gulls, Terns & Charadriid Allies Habitat   | 4                   | 0.05        | 8                    | 0.08        |
| Raptor Bird Habitat  | 4                   | 0.04        | 7                    | 0.07        |
| Charadriid Shorebird Habitat   | 5                   | 0.05        | 8                    | 0.08        |
| Wading Bird Habitat  | 4                   | 0.04        | 7                    | 0.07        |
| Waterfowl Habitat  | 5                   | 0.05        | 8                    | 0.08        |
| <b>Snowy Plover Habitat</b>  | <b>3</b>            | <b>0.03</b> | <b>5</b>             | <b>0.05</b> |
| Brown Pelican Habitat  | 4                   | 0.04        | 7                    | 0.07        |
| Whooping Crane Habitat   | n                   | 0.00        | n                    | 0.00        |
| Bald Eagle Habitat   | 1                   | 0.01        | 1                    | 0.01        |
| Piping Plover Habitat  | 3                   | 0.03        | 6                    | 0.06        |
| Gulf Sturgeon Known Shoreline Locations  | n                   | 0.00        | n                    | 0.00        |
| Alabama Beach Mouse Habitat  | n                   | 0.00        | n                    | 0.00        |
| Choctawhatchee Beach Mouse Habitat   | n                   | 0.00        | n                    | 0.00        |
| Perdido Key Beach Mouse Habitat  | n                   | 0.00        | n                    | 0.00        |
| St. Andrew Beach Mouse Habitat   | n                   | 0.00        | n                    | 0.00        |
| TX Coastal Bend Area Beaches   | n                   | 0.00        | 1                    | 0.01        |
| TX Matagorda Area Beaches  | 1                   | 0.01        | 2                    | 0.02        |
| TX Galveston Area Beaches  | 1                   | 0.01        | 2                    | 0.02        |
| TX Sea Rim State Park  | n                   | 0.00        | n                    | 0.00        |
| LA Beaches   | 1                   | 0.01        | 1                    | 0.01        |
| AL/MS Gulf Islands   | n                   | 0.00        | n                    | 0.00        |
| AL Gulf Shores   | n                   | 0.00        | n                    | 0.00        |
| FL Panhandle Beaches   | n                   | 0.00        | n                    | 0.00        |
| FL Big Bend Beaches  | n                   | 0.00        | n                    | 0.00        |
| FL Southwest Beaches   | n                   | 0.00        | n                    | 0.00        |
| FL Ten Thousand Islands  | n                   | 0.00        | n                    | 0.00        |
| Cameron, TX  | n                   | 0.00        | n                    | 0.00        |
| Willacy, TX  | n                   | 0.00        | n                    | 0.00        |
| Kenedy, TX   | n                   | 0.00        | n                    | 0.00        |
| Kleberg, TX  | n                   | 0.00        | n                    | 0.00        |
| Nueces, TX   | n                   | 0.00        | n                    | 0.00        |
| Aransas, TX  | n                   | 0.00        | n                    | 0.00        |
| Calhoun, TX  | n                   | 0.00        | 1                    | 0.01        |
| Matagorda, TX  | 1                   | 0.01        | 2                    | 0.02        |
| Brazoria, TX   | 1                   | 0.01        | 1                    | 0.01        |
| Galveston, TX  | 1                   | 0.01        | 1                    | 0.01        |
| Chambers, TX   | n                   | 0.00        | n                    | 0.00        |
| Jefferson, TX  | n                   | 0.00        | 1                    | 0.01        |

Notes: \*\* = Greater than 99.5%; n = less than 0.5%