

Oil-Spill Risk Analysis: Gulf of Mexico Outer Continental Shelf (OCS), in Support of the Environmental Impact Statement (EIS) for Proposed Lease Sale 181

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Introduction

The Federal Government has proposed to offer a portion of Outer Continental Shelf (OCS) lands in the Eastern Gulf of Mexico (GOM) Planning Area (EPA) for oil and gas leasing (fig. 1). Because oil spills may occur from activities associated with offshore oil exploration, production, and transportation resulting from this sale, the Minerals Management Service (MMS) has conducted a formal oil-spill risk analysis (OSRA) prior to any leasing of this area. This report summarizes results of that analysis, the objective of which was to estimate the risk of oil-spill contact to sensitive offshore and onshore environmental resources and socioeconomic features from oil spills accidentally occurring from the OCS activities.

The occurrence of oil spills is fundamentally a matter of probability. There is no certainty regarding the amount of oil that would be produced, or the size or likelihood of a spill that would occur, during the assumed production life of a given lease. Neither can the winds and ocean currents that transport oil spills be known for certain. A probabilistic event such as an oil-spill occurrence or oil-spill contact to an environmentally sensitive area cannot be predicted, only an estimate of its likelihood (its probability) can be quantified. Table 1 shows the estimates of oil-spill occurrence from the proposed action and from all EPA program operations, should they occur.

Essentially, the OSRA model is an extensive computer simulation of oil-spill transport using realistic data fields of winds and ocean currents in the GOM. An oil spill on the ocean surface moves around by the complex surface ocean currents exerting a shear force on the spilled oil from below. In addition, the prevailing wind exerts an additional shear force on the spill from above, and the combination of the two forces causes the transportation of the oil spill away from its initial spill location. In the OSRA model, the velocity of a hypothetical oil spill is the linear superposition of the local surface ocean current and empirical *wind drift* caused by the local winds. The model *time steps* the movement of hypothetical spills by successively integrating time sequences of two spatially gridded input fields: the surface ocean currents and the sea level winds, both of which were generated by other computer models using many observations of relevant physical parameters. In this fashion, the OSRA model generates time sequences of hypothetical oil-spill locations—essentially, oil-spill trajectories.

At each successive time step, the OSRA model compares the location of the hypothetical spills against the geographic boundaries of shoreline and designated offshore environmental resources. The model counts the occurrences of oil-spill contact to these areas. Finally, the frequencies of oil-spill contact are computed for designated oil-spill travel times (e.g., 3, 10, or 30 days) by dividing the total number of oil-spill contacts by the total number of hypothetical spills initiated in the model from a given hypothetical spill location. The frequencies of oil-spill contact are the model-estimated probabilities of oil-spill contact. For example, the model might count 100 oil-spill contacts to the Big Bend Seagrass Beds within 10 days of oil-spill travel time out of 2,000 hypothetical oil spills released at a particular location within the lease area. The estimated probability of oil-spill contact would be 5 percent (100/2,000). The 2,000 releases would be made at regular intervals over 9 years of

model time (the time span of the ocean current and wind data). The *10-day* contacts would be those hypothetical spills that contacted the Big Bend Seagrass Beds within 10 days of their releases. The OSRA model output is a set of tables providing the estimated probabilities of contact to all identified offshore environmental resources and segments of shoreline from locations chosen to represent hypothetical oil spills from oil production and transportation facilities, at several selected oil-spill travel times.

There are factors not explicitly considered by the OSRA model that can affect the transport of spilled oil as well as the dimensions, volume, and nature of the oil spills contacting environmental resources or the shoreline. These include possible cleanup operations, chemical or biological weathering of oil spills, or the spreading and splitting of oil spills. We have chosen to take a more environmentally conservative approach by presuming persistence of the entire volume of spilled oil over the selected duration of time of the trajectories.

A detailed description of the OSRA model used in this analysis can be found in Smith et al. (1982) and in LaBelle and Anderson (1985). This report, including its figures and tables, will be available from the MMS's Internet site (<http://www.mms.gov>).

Framework of the Analysis

Study Area

The OSRA study area for this analysis extends from latitudes 23.35° N. to 31.00° N. and from longitudes 80.60° W. to 93.85° W. (fig. 1). The study area defines the geographic boundaries that encompass the environmental resources at risk from a hypothetical oil spill from OCS operations in and near the lease area. Although few hypothetical oil spills were likely to extend beyond the borders of the study area within 30 days after release (the maximum elapsed time considered), we have tracked and tabulated spills that would travel beyond the open-ocean boundaries. These spills could contact land or other environmental resources outside the study area.

Hypothetical Spill Locations

The MMS analysts in the GOM Region designated 11 *launch areas* (hypothetical oil-spill release areas) within the Sale 181 lease area (fig. 2). These are subdivisions defined by the outer boundaries of the lease area and water-depth contours running through it. Two of the launch areas, 05 and 10, are combinations of smaller subdivisions. Launch area 05 combines the two disjoint subdivisions (03 and 04) between the 200-m and 900-m depth contours, and launch area 10 combines the four subdivisions with water depths greater than 900 m and less than 3,000 m (06, 07, 08, and 09). Hypothetical oil spills released from these areas in the OSRA model simulate possible oil spills from the offshore platforms and pipelines.

In addition, we designated four regions where pipelines may be constructed to transport oil from the production (lease) area to connections with already existing pipelines. We called these regions launch areas 12, 13, 14, and 15, defined in part by depth contours (fig. 3). We examined hypothetical spills from these areas to estimate the risk of oil-spill contact from

pipeline transportation. At present, no shuttle tanker transport of oil from the lease area outside the lease area is expected. If this were to occur, MMS would provide a separate analysis.

The oil-spill risk from the existing pipeline network to which the newly constructed pipelines will connect has already been studied in earlier OSRA's. Most recently, Price et al. (1997) estimated the spill risk from representative pipelines east of the Mississippi River Delta. These are pipeline segments designated as 2AB and 1AA through 6AA (fig. 6 in Price et al., 1997). That report presents the estimated contact risk from oil spills along these pipelines.

The OSRA model initiated hypothetical oil spills uniformly in space and time from the launch areas. At 5-statute-mile intervals in the north-south direction and 4-statute-mile intervals in the east-west direction, with a few 3-mile separations, the model launched an oil spill every 1.6 days on the average. At that resolution, there were 648 total launch points in space and a total of 2,016 oil-spill trajectories launched from each spatial grid point over 9 years of sea-level wind and ocean current input data. The spatial resolution of the spill simulations was well within the spatial resolution of the input data, and the interval of time between releases was sufficiently short to sample weather scale changes in the input winds.

Environmental Resources

The environmental resources (including land) considered in this analysis were digitized in the same coordinate system or base map as that used in the computerized oil-spill simulations. The environmental resources were selected by MMS analysts in the Gulf of Mexico Region to represent those resources vulnerable to oil-spill impact. Maps of the digitized offshore environmental resources are presented in figures 4 through 7.

All onshore, coastal environmental resources were represented by one or more equidistant partitioning of the coastline, herein called *land segments*. The study area coastline was partitioned into 33 equidistant land segments (fig. 8). Each land segment is about 62 km in length. The numbering of the land segments (11 through 43) is the same as that used in the preceding Gulfwide OSRA (Price et al., 1997). This was done to make comparisons with the earlier OSRA easier.

In addition, the State offshore waters were included as environmental resources. The State coastal waters are defined as the waters from the State's shoreline to its claimed seaward extent. Florida claims the waters out to 3 leagues (about 9 nautical miles) from its shore, and Louisiana, Mississippi, and Alabama claim the waters out to 3 nautical miles from their shores. The entire coastline in the study area was defined to be a resource called *U.S. Shoreline*. Finally, in order to tabulate the number of spills traveling beyond the study area, the borders of the study area were divided into six boundary segments.

Because the trajectory model simulates an oil spill as a point, the environmental resources have been given a geographical extent slightly greater than they actually occupy to compensate for the lack of spatial extent (spreading) of the hypothetical oil spills.

Each environmental resource was represented as being vulnerable year-round, except for the Central Winter Menhaden Spawning Grounds, which are vulnerable only during the months of December, January, and February. A list of the offshore environmental resources examined in this OSRA and the figures illustrating their locations are shown below.

<u>Environmental Resources</u>	<u>Figure</u>
U.S. Shoreline (cumulatively equidistant land segments 11-43)	8
Alabama State Offshore Waters	6
Central Winter Menhaden Spawning Grounds	5
Chandeleur Islnds	4
Flower Garden Banks	4
Western Louisiana State Offshore Waters	7
Eastern Louisiana State Offshore Waters	6
Mississippi State Offshore Waters	5
Mobile Bay	4
Big Bend Seagrass	6
Dry Tortugas	5
Florida Gulf Island National Seashore	7
Florida Keys National Marine Sanctuary	4
Florida Middle Ground	5
Florida Panhandle State Offshore Waters	4
Florida Peninsula State Offshore Waters	7
Madison and Swanson Special Management Area	6
Steamboat Lumps Special Management Area	7
Boundary Florida Straits North	5
Boundary Florida Straits South	6
Boundary South 1	6
Boundary South 2	4
Boundary South 3	7
Boundary West	5

Oil-Spill Risk Analysis (OSRA)

Oil-Spill Trajectory Simulations

In the trajectory simulation portion of the OSRA model, many hypothetical oil-spill trajectories are produced by *numerically* integrating a temporally and spatially varying ocean current field and superposing on that an empirical wind-induced drift of the hypothetical oil spills (Samuels et al., 1982). Collectively, the trajectories represent a statistical ensemble of simulated oil-spill displacements produced by a field of winds derived from observations and numerically derived ocean currents. The winds and currents are assumed to be statistically similar to those that will occur in the Gulf during future offshore activities. In other words, for example, we assume that the frequency of strong wind events in our wind field is the same as what will occur during future offshore activities. By inference, the frequencies of contact by our simulated oil spills are the same as what could occur from

actual oil spills during future offshore activities.

The other portion of the OSRA model tabulates the contacts with the simulated oil spills. The model contains digitized coastlines and the digitized boundaries of offshore biological resources such as the Winter Menhaden Spawning Grounds. At every integration time step, the OSRA model monitors the locations of the simulated spills and counts the number of oil-spill contacts to segments of *shoreline* and offshore biological resources. A contact to shore will stop the trajectory of that oil spill; no re-washing is assumed in this model. However, contacts to the offshore resources will not stop the respective trajectories. After specified periods of time, the OSRA model will divide the total number of contacts to the coastline segments and biological resources by the total number of simulated oil spills from a given geographic location. These ratios are the estimated probabilities of oil-spill contact from offshore activities at that geographic location, assuming spill occurrence.

The ocean currents used are numerically computed from an ocean circulation model of the GOM driven by analyzed meteorological forces (the near surface winds and the total heat fluxes) and observed river inflow into the GOM (Herring et al., 1999). The model used is the Princeton-Dynalysis Ocean Model (PDOM), an enhanced version of the earlier constructed Mellor-Blumberg Model. It is a three-dimensional, time-dependent, primitive equation model using orthogonal curvilinear coordinates in the horizontal and a topographically conformal coordinate in the vertical. The use of these coordinates allows for a realistic coastline and bottom topography, including a sloping shelf, to be represented in the model simulation. The model incorporates the Mellor-Yamada turbulence closure model to provide a parameterization of the vertical mixing process through the water column.

The prognostic variables of the model are velocity, temperature, salinity, turbulence kinetic energy, and turbulence macroscale. The momentum equations are nonlinear and incorporate a variable Coriolis parameter. Prognostic equations governing the thermodynamic quantities (temperature and salinity) account for water mass variations brought about by highly time-dependent coastal upwelling processes. The processes responsible for eddy production, movement, and eventual dissipation are also included in the model physics. Free-surface elevation is also calculated prognostically so that the tides and storm surge events can be simulated. Other computed variables include density, vertical eddy viscosity, and vertical eddy diffusivity.

A 9-year simulation was performed on the computational grid shown in figure 9. The model was driven by the National Center for Environmental Prediction (NCEP) analyzed winds, heat fluxes, river inflow, and Gulf Stream transport boundary conditions over the 9-year period 1986 through 1994. Three-hourly surface currents were then computed for input into the OSRA model along with the concurrent NCEP wind field. The OSRA model used the same NCEP wind field to calculate the empirical wind drift of the simulated spills.

The model was extensively skill-assessed with many observations from the GOM (Herring et al., 1999). Among the observations was a large set of long-lived, surface drifters. Under the direction of Peter Niiler and Russ Davis of Scripps Institution of Oceanography

(La Jolla, California), approximately 340 drifting buoys were deployed from aircraft and three production platforms in a repeated array located southeast of Galveston, Texas (fig. 10). The investigation was called SCULP (Surface Current and Lagrangian-drift Program). Weekly deployments were made from mid-October 1993 running through January 1994, followed by monthly deployments through September 1994.

This unusually extensive set of Lagrangian observations affords a rigorous test of the model's ability to reproduce ocean transport as well as prominent features of the Gulf such as the Loop Current and strong mesoscale eddies, which are easily observed from satellite-borne instrumentation. With these observations and other current measurements from moored current meters, a good determination of the model's veracity was made. The model did an excellent job in reproducing the characteristics of the GOM surface currents both on and off the continental shelf. However, since the model was not run in data assimilation mode, the resultant field of surface currents was not an exact reproduction of the currents that actually occurred during the 9 years of the NCEP wind field. However, the surface current field manifests all the dominant structures in time and space as the observed currents and is, therefore, quite usable in the statistical estimation of *future* spill risk that the OSRA model makes.

Trajectories of hypothetical spills were initiated every 1.6 days (on the average) from each of the 648 hypothetical oil-spill sites—2,016 trajectories per site over the 9-year simulation period. The chosen number of trajectories per site (2,016) was small enough to be computationally practical and large enough to reduce the random sampling error to an insignificant level. Also, the weather scale changes in the winds are at least minimally sampled with simulated spills started every 1.6 days.

The OSRA model integrates the spill velocities (a linear superposition of surface ocean currents and empirical wind drift) by forward stepping in time to produce the spill trajectories. The time step selected was 30 minutes to fully utilize the spatial resolution of the ocean current field and to achieve a stable set of trajectories. The velocity field was bilinearly interpolated from the three-hourly grid to get velocities at 30-minute intervals. Smaller time steps did not produce many differences in the simulated trajectories after 30 model days (a typical maximum lifetime for typical oil spills), so the 30-minute time step was chosen for this analysis.

Conditional Probabilities of Contact

The probability that an oil spill will contact a specific environmental resource within a given time of travel from a certain location or spill point is termed a *conditional probability*, the condition being that a spill is assumed to have occurred. Each trajectory was allowed to continue for as long as 30 days. However, if the hypothetical spill contacted shoreline sooner than 30 days after the start of the spill, the spill trajectory was terminated, and the contact was recorded. Conditional probabilities of contact with environmental resources and land segments within 3, 10, and 30 days of travel time were calculated for each of the hypothetical spill sites. These conditional probabilities of contact are presented in tables 2 through 4 and, on a seasonal basis encompassing all 9 years of data, in tables 5 through 16.

The seasonal contact probabilities are determined with respect to the season in which the oil spill was initiated, not the season in which contact was made. For example, a contact to the Big Bend Seagrass Beds in spring (April, May, and June) from a 30-day oil spill initiated mid-month in the preceding March would be counted as a winter contact. The situation becomes a little more complicated with the Central Winter Menhaden Spawning Grounds, which have vulnerability only during the months of December, January, and February. Oil-spill contacts to the spawning grounds in March are not tabulated because the spawning season is over and no vulnerability exists to that environmental resource regardless of when the spill was initiated. Contacts to the spawning grounds in January from oil spills occurring in December will be reported in the fall (October, November, and December) probability tables. All the other environmental resources examined in this analysis are vulnerable throughout the year.

Beginning with this OSRA, the contact probabilities are reported as a range of values. Tables 2a through 16b present the average, minimum, and maximum contact probabilities from the various launch areas. Previously, only the average contact probabilities were reported. Although the hypothetical spill points were distributed uniformly over the launch areas (figs. 2 and 3), the probabilities of spill contact from the individual spill points within a launch area are, in general, different. Tables 2a and 2b present the average of the contact probabilities from each launch area, while tables 3a and 3b present the minimum, and tables 4a and 4b present the maximum of the contact probabilities from each launch area. The seasonal values are presented in the same manner (tables 5a through 16b).

The trajectories simulated by the model represent only hypothetical pathways of oil slicks; they do not involve any direct consideration of cleanup, dispersion, or weathering processes that could alter the quantity or properties of oil that might eventually contact the environmental resources. However, an implicit analysis of weathering and decay can be considered by noting the ages of the simulated oil spills when they contact environmental resources. For this analysis, three time periods were selected: 3, 10, and 30 days after the hypothetical spill occurrence. Any spill contacts occurring on or before these elapsed times are reported in the probability tables. An analyst can then use these statistics in conjunction with appropriate assumptions about the effects of oil weathering and containment and cleanup operations to judge the overall impacts.

Discussion

A summary of the probabilities of oil-spill occurrence from activities in the proposed action and in the GOM Eastern Planning Area as a whole can be found in table 1. These probabilities were computed by considering high and low estimates of prospective oil production and transportation.

As one might expect, environmental resources closest to the spill sites had the greatest risk of contact. For example, a spill from launch area 01, the northernmost part of the lease area, has an average probability of contact to the Alabama State offshore waters of 13 percent within 3 days, and an 8-percent average probability of contacting the Florida Panhandle State

offshore waters within the same 3 days. As the model run duration increases, more of the identified environmental resources and shoreline segments have significant probabilities of contact ($\geq 0.5\%$). The longer transit times allowed by the model enable more hypothetical spills to reach the environmental resources and the shoreline from more distant spill locations. Spills from all the launch areas have an average probability of contacting the shoreline in the study area of 31 to 59 percent within 30 days of occurrence. With increased travel time, the complex patterns of wind and ocean currents produce eddy-like motions of the oil spills and multiple opportunities for a spill to make contact with any given environmental resource or shoreline segment.

Even within 30 days, many resources have contact probabilities of 5 percent or less from any of the hypothetical spill sites. For example, land segments 37 through 43, encompassing Tampa Bay and southward along the Florida Gulf coast, have less than a 0.5-percent probability of oil-spill contact from any of the examined spill locations. Also, it should be noted that a spill persisting for 30 days would likely be reduced in volume and toxicity from weathering, dispersion, and/or cleanup operations.

It should be noted that the study area does not extend into the Atlantic Ocean, where oil spills in the Gulf can be transported via the exiting Loop Current. However, on the average, only 1 to 2 percent of the simulated spills made it across the northern or southern Florida Straits boundary within 30 days, and less than 0.5 percent did within 10 days of travel time. If this were to occur, it is assumed that spills traveling through the Florida Straits are either transported northward in the Gulf Stream or are blown ashore by northeasterly trade winds.

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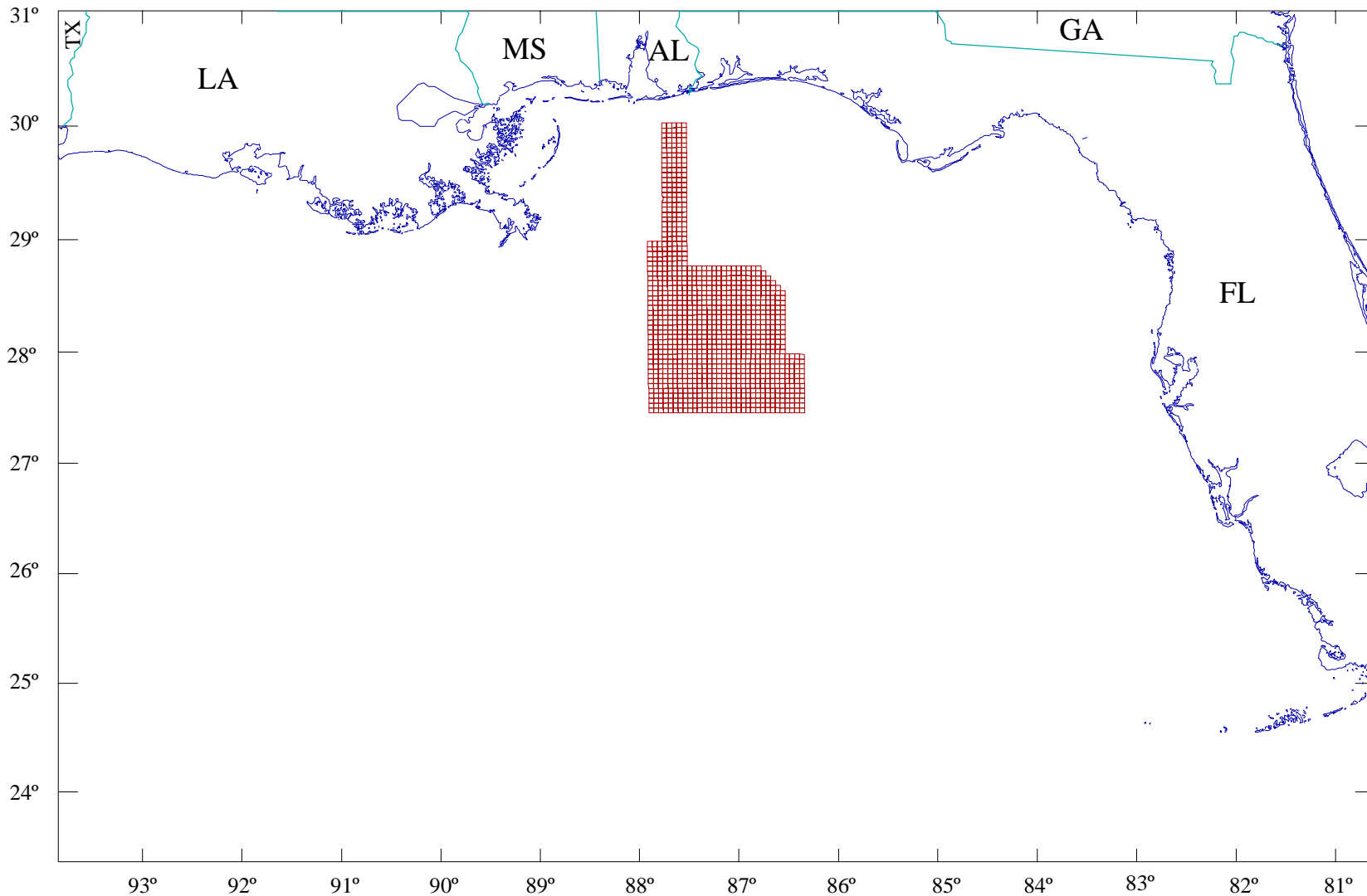


Figure 1. Location of Proposed OCS Lease Sale 181 Area (hatched) Inside the OSRA Study Area (23.35° N. - 31.00° N. latitude; 80.60° W. - 93.85° W. longitude).

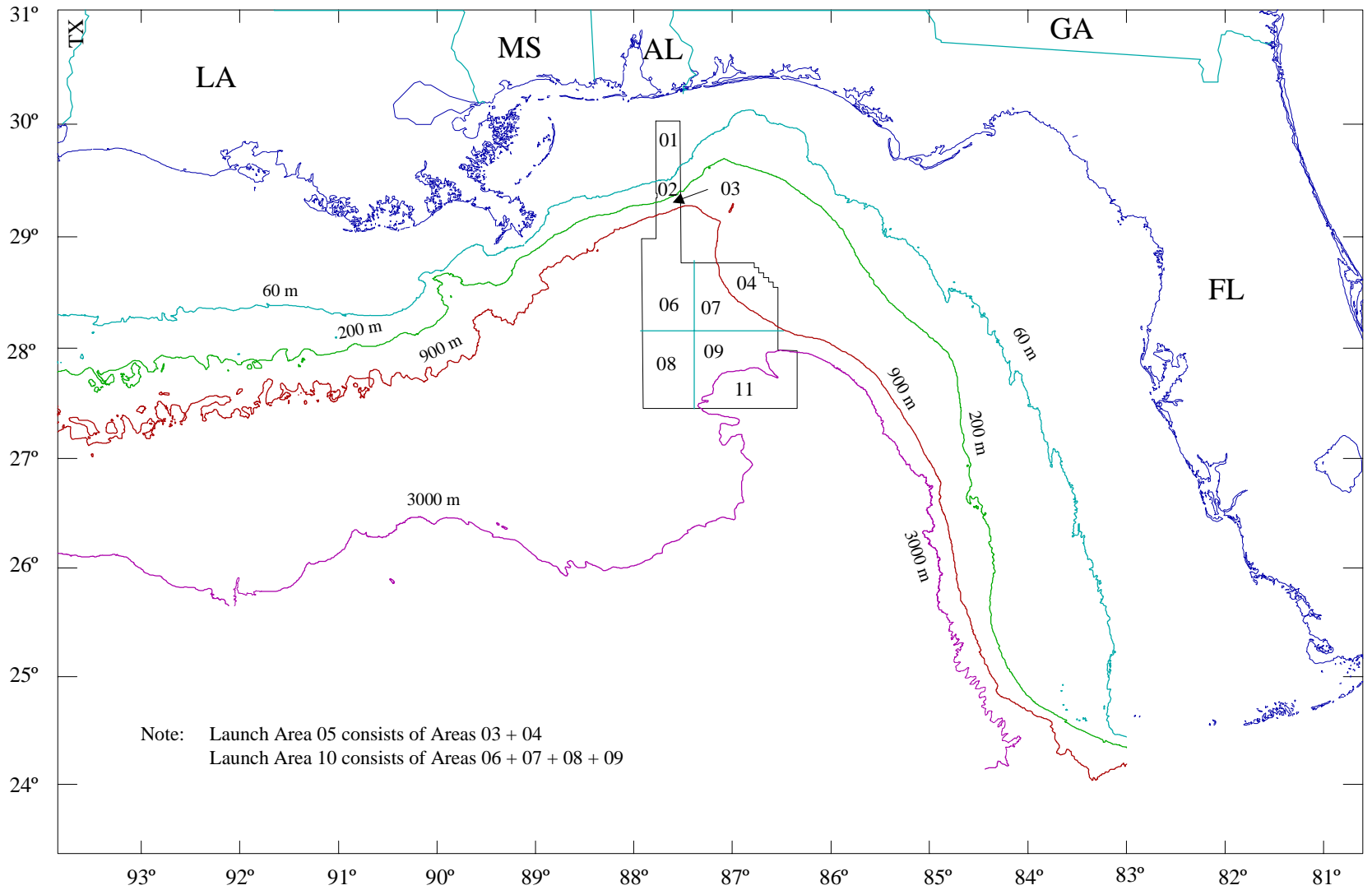


Figure 2. Locations of Launch Areas (hypothetical oil-spill release areas). These Launch Areas are Defined by Water-Depth Contours.

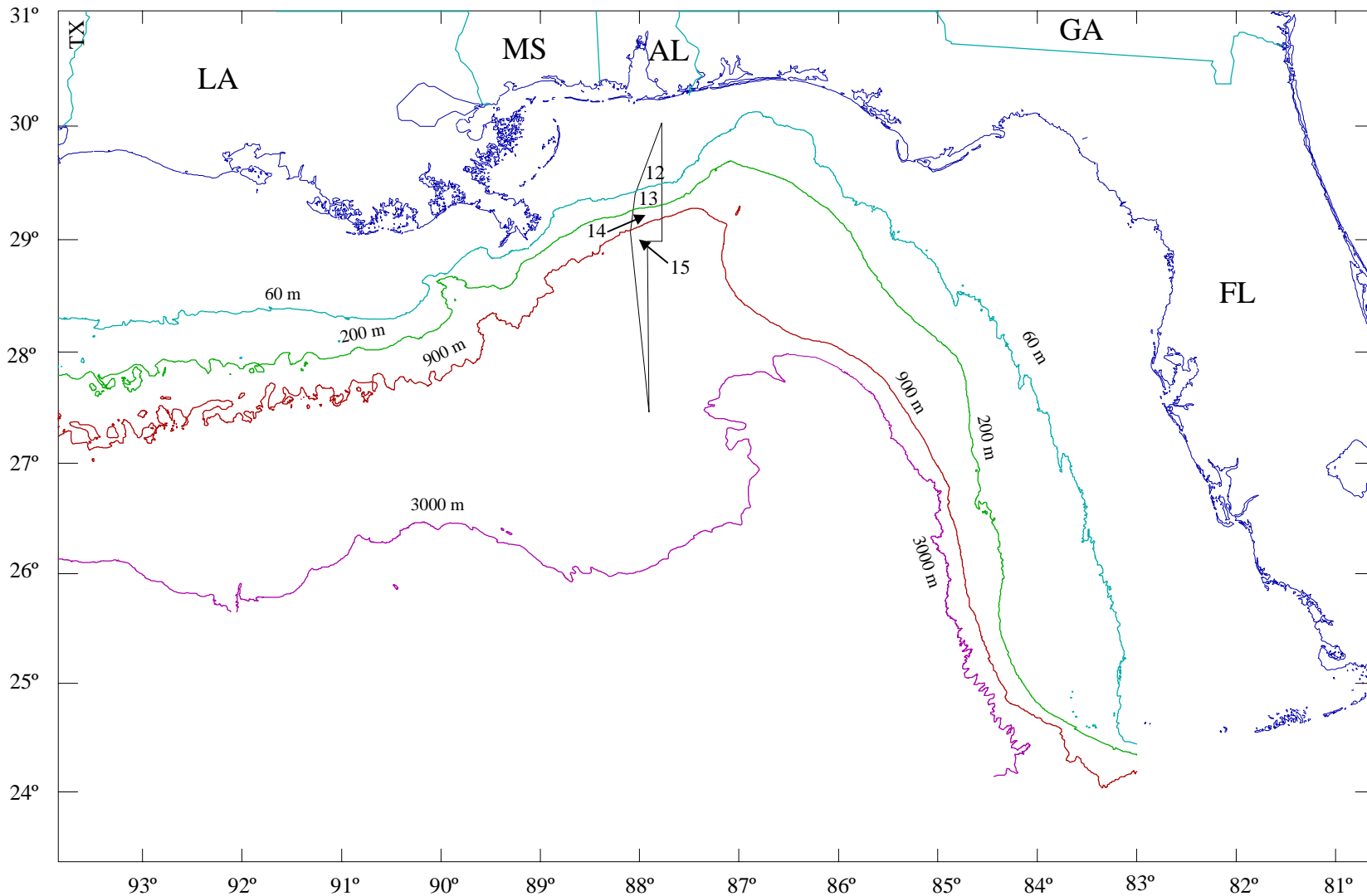


Figure 3. Locations of Transportation Area Used As Launch Areas, Gulf of Mexico OCS Lease Sale 181. These Launch Areas are Defined by Water-Depth Contours.

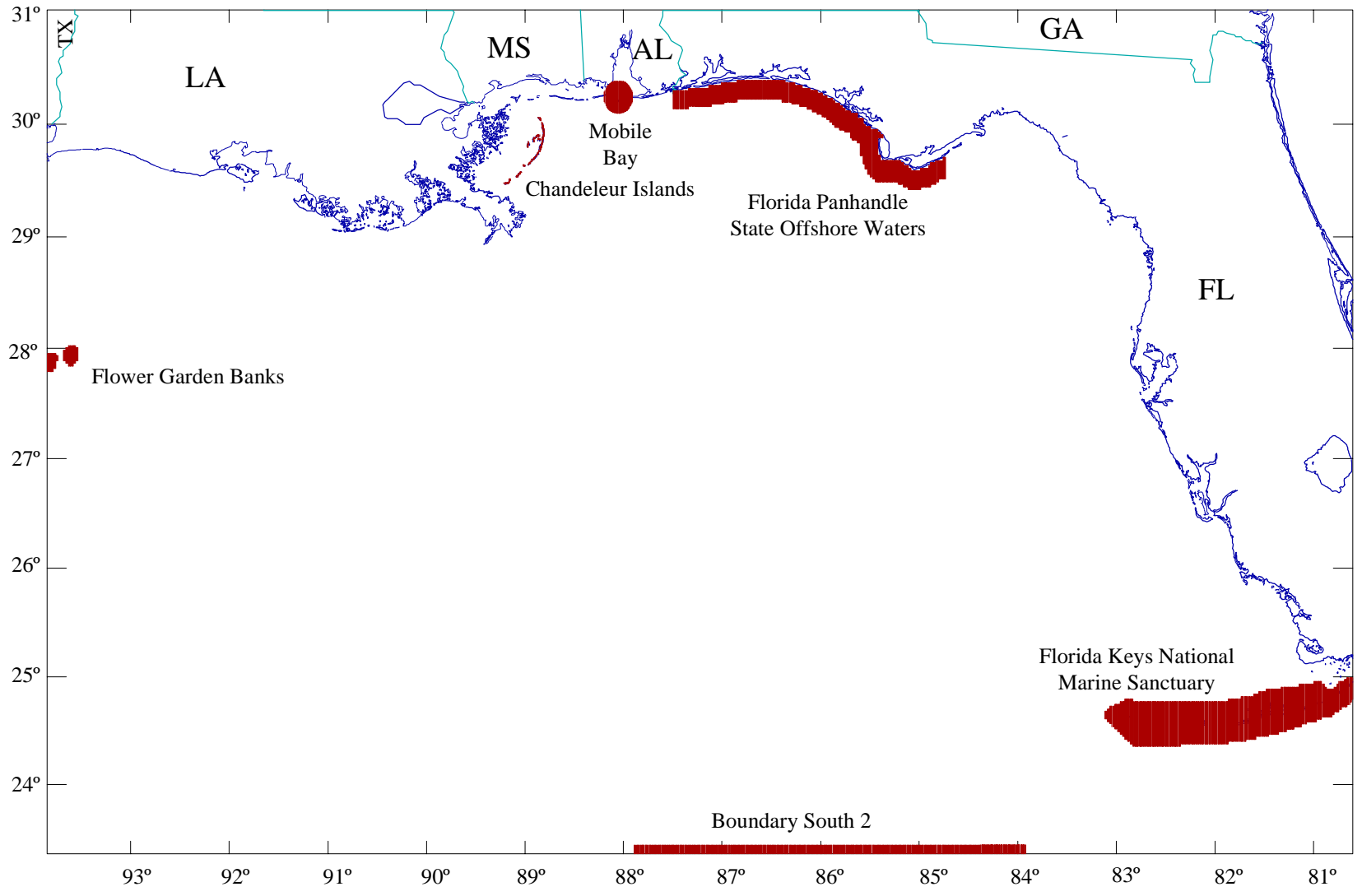


Figure 4. Locations of Flower Garden Banks, Chandeleur Islands, Mobile Bay, Florida Panhandle State Offshore Waters, Florida Keys National Marine Sanctuary, and Boundary South 2.

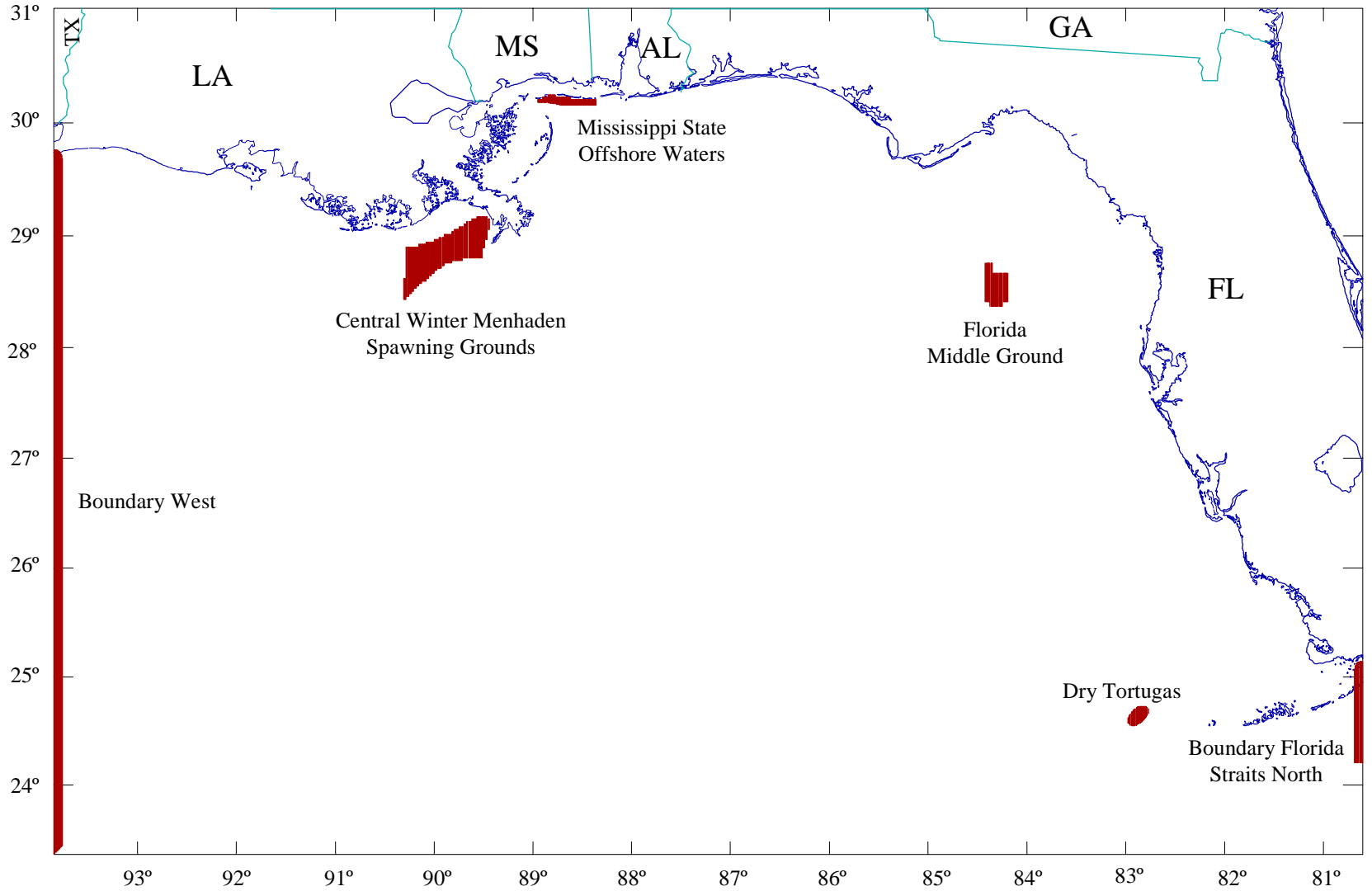


Figure 5. Locations of Boundary West, Central Winter Menhaden Spawning Grounds, Mississippi State Offshore Waters, Florida Middle Ground, Dry Tortugas, and Boundary Florida Straits North.

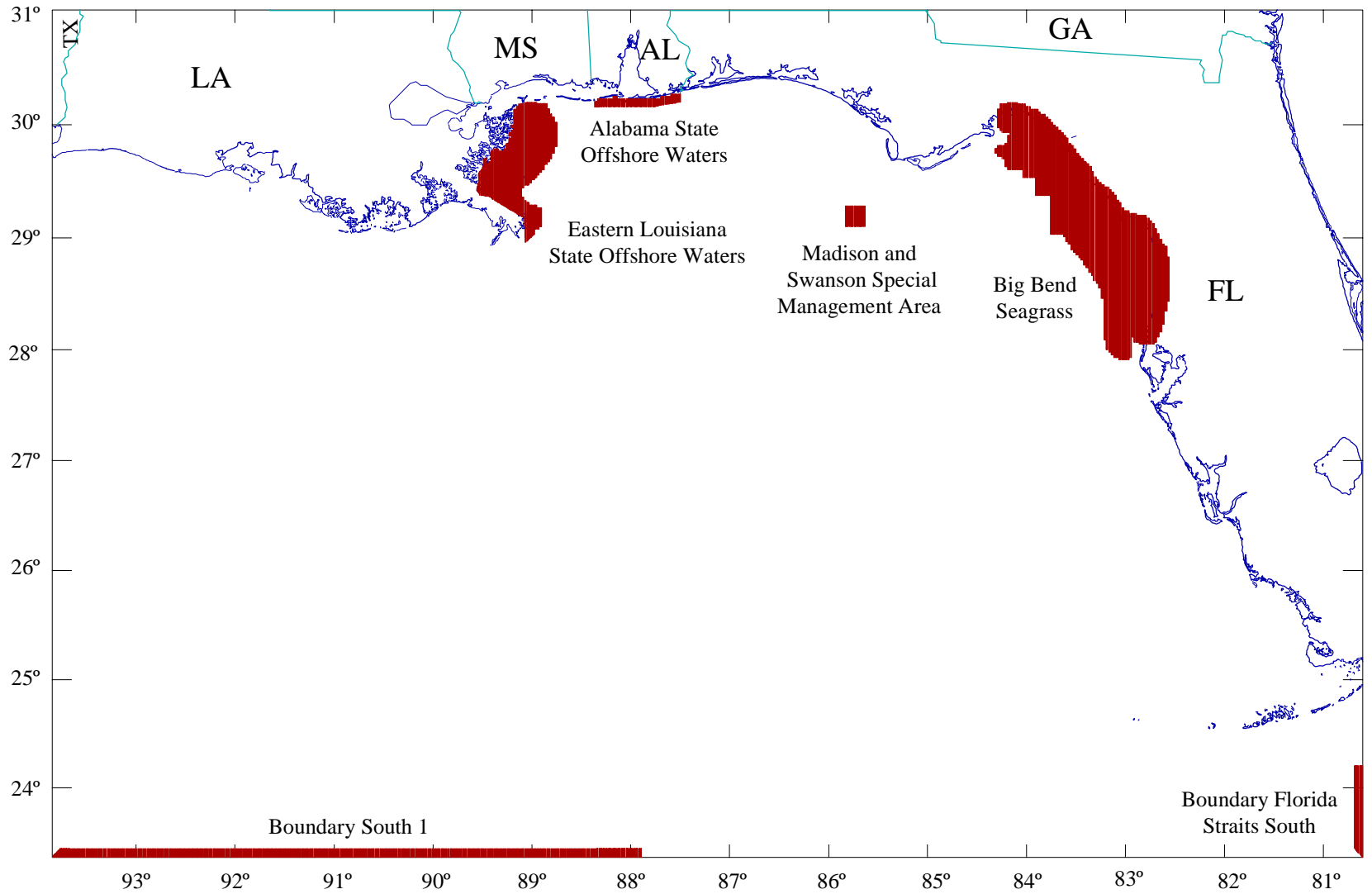


Figure 6. Locations of Boundary South 1, Eastern Louisiana State Offshore Waters, Alabama State Offshore Waters, Madison and Swanson Special Management Area, Big Bend Seagrass, and Boundary Florida Straits South.

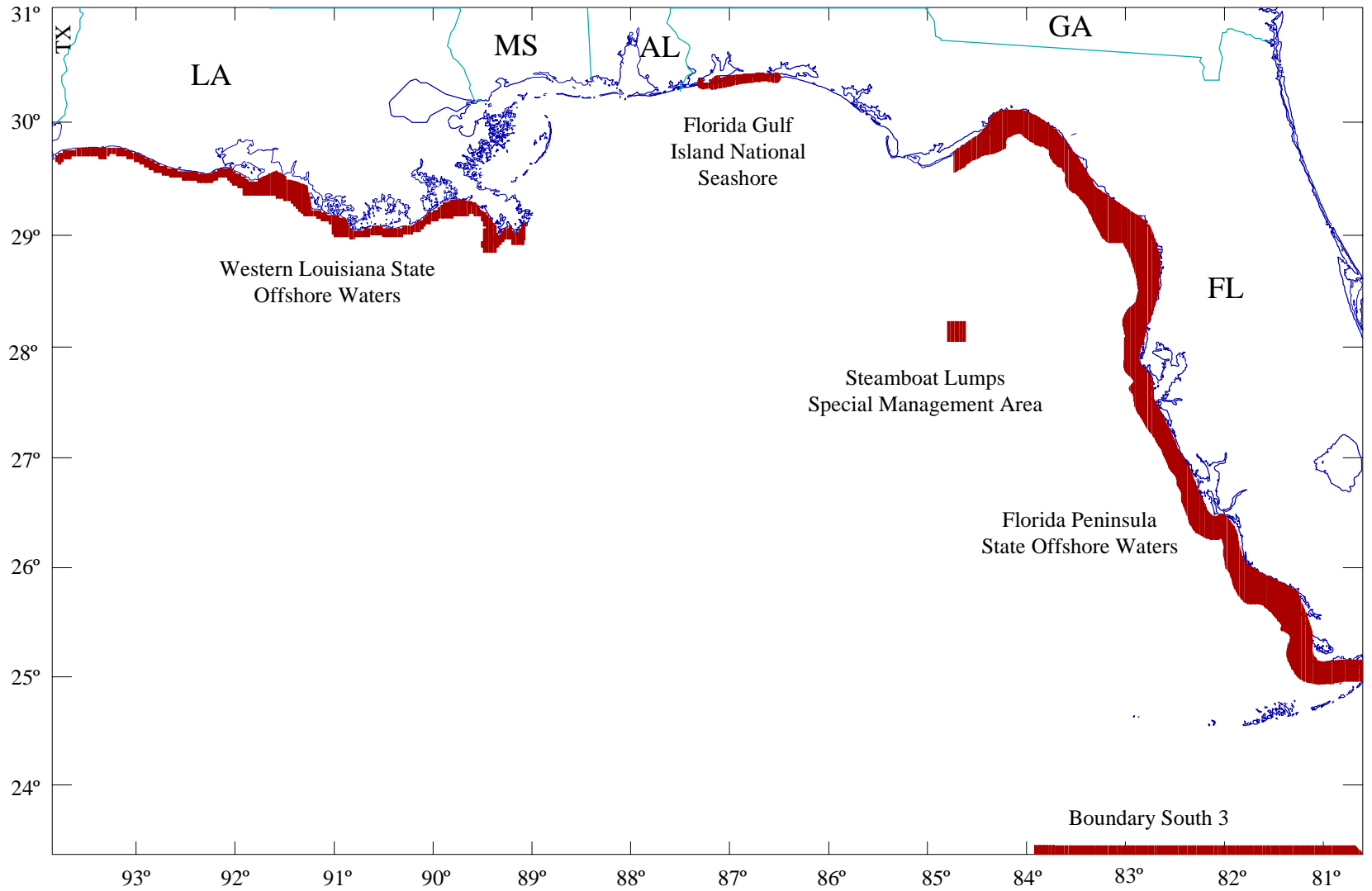


Figure 7. Locations of Western Louisiana State Offshore Waters, Florida Gulf Island National Seashore, Steamboat Lumps Special Management Area, Florida Peninsula State Offshore Waters, and Boundary South 3.

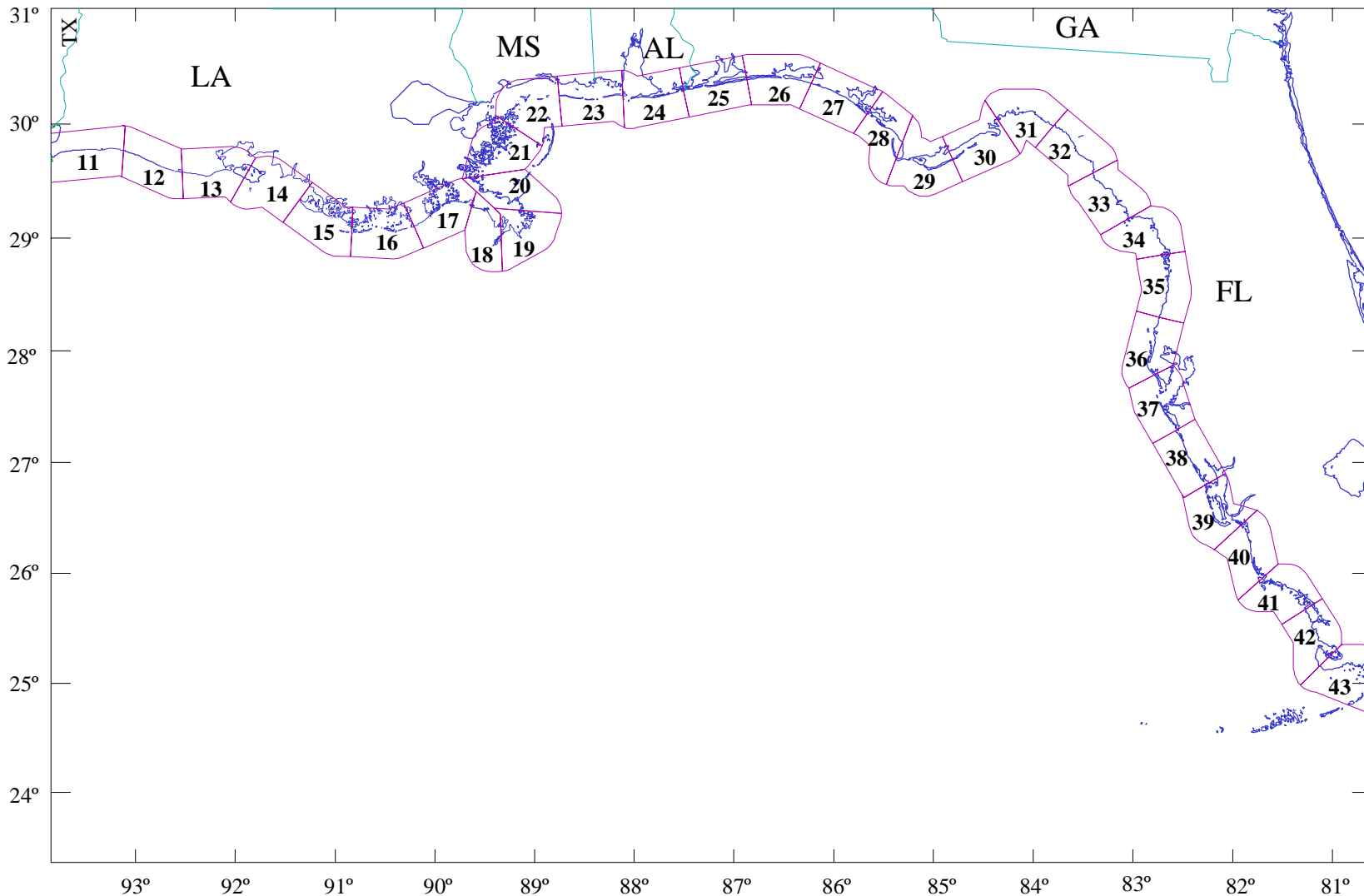


Figure 8. Division of Study Area Shoreline into 33 Equidistant Land Segments. (The numbering scheme is identical to that used in the preceding Gulfwide OSRA (Price et al., 1997).)

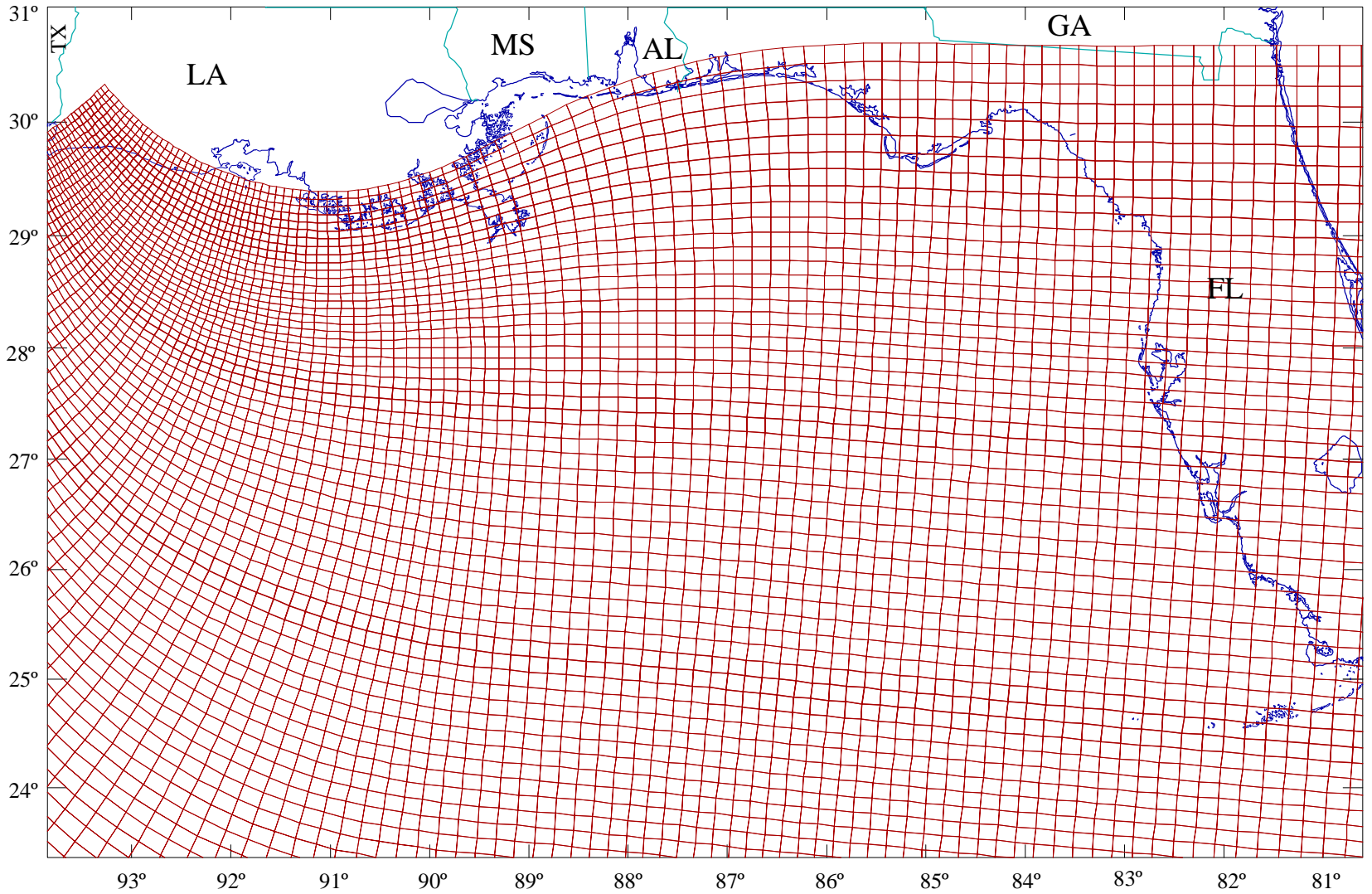


Figure 9. Computational Grid Used by Dynalysis of Princeton in the Mellor-Blumberg Primitive Equation Model Adapted to the Gulf of Mexico.

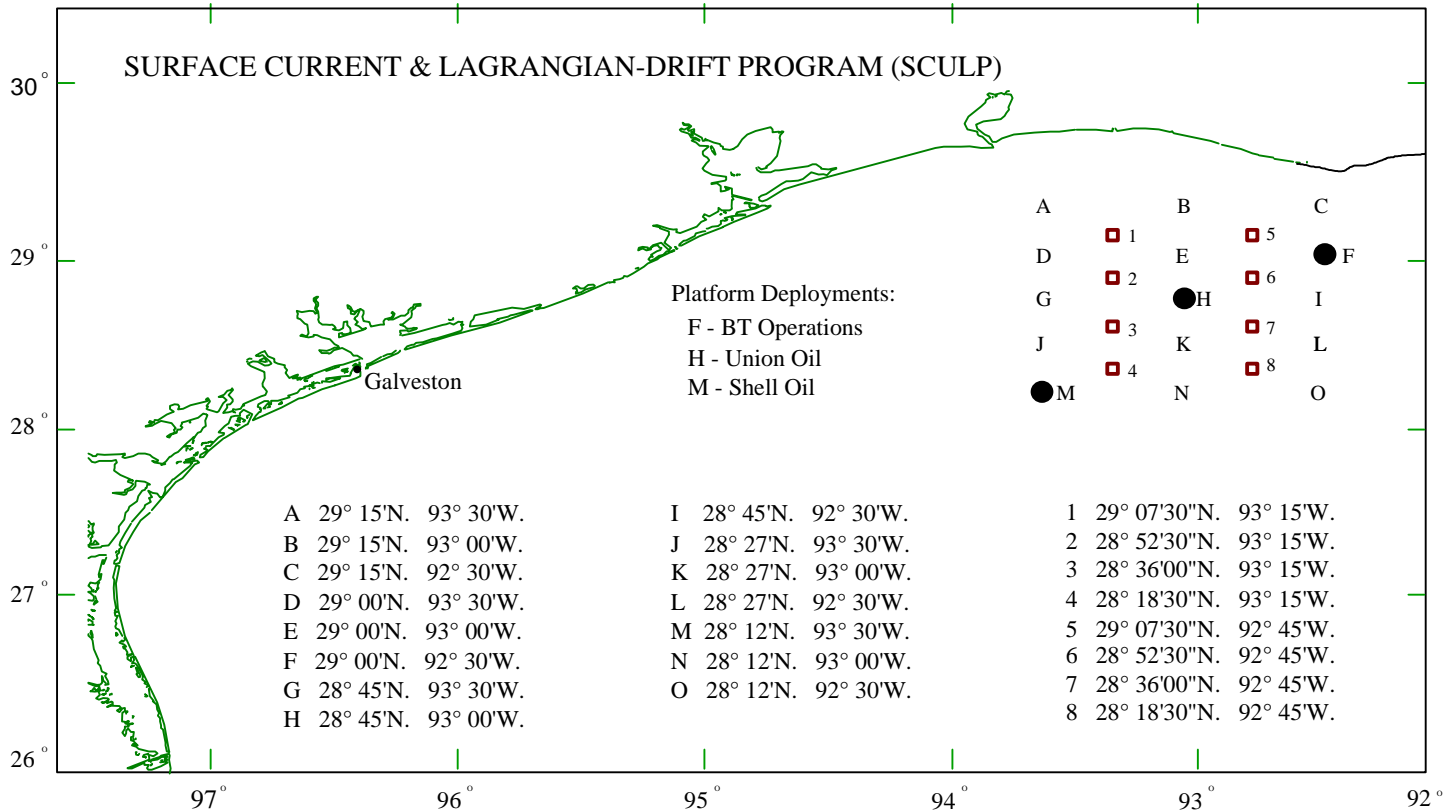


Figure 10. Deployment Locations of the SCULP Drifters. The letters designate the initial aircraft-deployment locations except for F, H, and M, which were offshore production platforms (filled dots). Buoys were deployed weekly from the platforms and monthly from other lettered stations. Additional aircraft deployments were made from the numbered locations (open boxes).

Table 1. Oil-spill occurrence probability estimates for spills greater than or equal to 1,000 barrels resulting from the proposed action (Sale 181) and from Eastern Gulf of Mexico OCS Planning Area program operations (EGOM Program).

	Volume (Bbbl)	Mean Number of spills from		Mean Number of spills (total)	Probability (% chance) of one or more spills from		Probability (% chance) of one or more spills (total)
		platforms	pipelines		platforms	pipelines	
<u>Proposed Actions</u>							
Low Estimate	0.030	0.01	0.04	0.05	1	4	5
High Estimate	0.240	0.11	0.32	0.43	10	27	37
<u>EGOM Program</u>							
Low Estimate	0.070	0.03	0.09	0.12	3	9	12
High Estimate	0.370	0.17	0.49	0.66	15	39	54
Note: Bbbl = billion barrels "Platforms" refers to facilities used in exploration, development, or production (e.g., drillship, subsea complex, floating production, storage, and offloading system).							

Table 2a. Average conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	14/45/59	1/36/53	-/31/50	-/ 8/40	-/12/41	-/18/43	-/10/39	-/ 7/34	-/ 5/35	-/10/38	-/ 2/31	1/12/39
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	13/19/19	1/11/12	-/ 9/10	-/ 2/ 6	-/ 3/ 6	-/ 4/ 6	-/ 2/ 6	-/ 1/ 4	-/ 1/ 5	-/ 2/ 5	-/ -/ 4	1/ 3/ 6
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ 1	-/ 1/ 1	-/ -/ 1	-/ -/ 1	-/ 1/ 1	-/ -/ 1	-/ 1/ 2	-/ -/ 2	-/ 1/ 2	-/ -/ 1	-/ -/ 1
Chandeleur Islands	1/ 9/11	-/ 8/11	-/ 8/11	-/ 2/ 6	-/ 3/ 7	-/ 6/ 9	-/ 3/ 7	-/ 1/ 5	-/ 1/ 5	-/ 3/ 6	-/ -/ 4	-/ 3/ 6
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ 2/ 3	-/ 2/ 3	-/ 3/ 4	-/ 1/ 5	-/ 2/ 5	-/ 5/ 7	-/ 3/ 6	-/ 5/11	-/ 2/ 8	-/ 4/ 8	-/ 1/ 7	-/ 3/ 7
Eastern Louisiana State Offshore Waters	2/16/19	1/16/20	-/16/20	-/ 5/12	-/ 6/14	-/12/17	-/ 7/14	-/ 4/10	-/ 4/11	-/ 7/13	-/ 2/ 9	-/ 7/13
Mississippi State Offshore Waters	1/ 3/ 3	-/ 2/ 3	-/ 2/ 3	-/ -/ 2	-/ 1/ 2	-/ 1/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ 1/ 2	-/ -/ 1	-/ 1/ 2
Mobile Bay	5/ 8/ 8	1/ 4/ 5	-/ 3/ 4	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ -/ 1	-/ -/ 1	-/ 1/ 2	-/ -/ 1	-/ 1/ 2
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ 1/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ 1/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -
Land Segment 19	-/ 2/ 3	-/ 2/ 3	-/ 3/ 4	-/ 1/ 3	-/ 1/ 3	-/ 3/ 4	-/ 2/ 3	-/ 2/ 3	-/ 1/ 3	-/ 2/ 3	-/ 1/ 3	-/ 2/ 3
Land Segment 20	-/ 3/ 4	-/ 3/ 4	-/ 2/ 4	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ -/ -	-/ -/ 1	-/ 1/ 1	-/ -/ -	-/ 1/ 1
Land Segment 21	-/ 4/ 6	-/ 4/ 6	-/ 4/ 6	-/ 1/ 4	-/ 1/ 5	-/ 3/ 6	-/ 1/ 5	-/ 1/ 3	-/ 1/ 4	-/ 2/ 4	-/ -/ 3	-/ 2/ 4
Land Segment 22	-/ 5/ 6	-/ 5/ 6	-/ 4/ 6	-/ 1/ 4	-/ 1/ 4	-/ 2/ 5	-/ 1/ 4	-/ -/ 4	-/ -/ 3	-/ 1/ 4	-/ -/ 3	-/ 1/ 4
Land Segment 23	2/ 4/ 5	-/ 4/ 5	-/ 3/ 4	-/ 1/ 2	-/ 1/ 3	-/ 2/ 4	-/ 1/ 2	-/ -/ 3	-/ -/ 2	-/ 1/ 3	-/ -/ 2	-/ 1/ 3
Land Segment 24	9/14/14	1/ 8/ 8	-/ 6/ 7	-/ 1/ 4	-/ 2/ 5	-/ 2/ 4	-/ 2/ 4	-/ -/ 3	-/ 1/ 3	-/ 1/ 4	-/ -/ 3	1/ 2/ 4
Florida												
Big Bend Seagrass	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 6	-/ -/ 5	-/ -/ 4	-/ -/ 4	-/ -/ 3	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 4
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	2/ 6/ 6	-/ 5/ 6	-/ 4/ 6	-/ 1/ 4	-/ 1/ 4	-/ 2/ 4	-/ 1/ 4	-/ -/ 3	-/ -/ 4	-/ 1/ 4	-/ -/ 3	-/ 1/ 4
Florida Keys National Marine Sanctuary	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1
Florida Middle Ground	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Florida Panhandle State Offshore Waters	8/17/21	1/14/19	-/11/17	-/ 4/15	-/ 5/16	8/17/21	-/ 5/13	-/ 3/13	-/ 1/ 9	-/ 1/11	-/ 2/11	1/ 1/10
Florida Peninsula State Offshore Waters	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 7	-/ -/ 7	-/ -/ 4	-/ -/ 5	-/ -/ 4	-/ -/ 5	-/ -/ 5	-/ -/ 6	-/ -/ 5
Madison and Swanson Special Management Area	-/ 2/ 4	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 2	-/ 1/ 2	-/ -/ 1	-/ -/ 2	-/ 1/ 2	-/ -/ 1	-/ 1/ 2
Steamboat Lumps Special Management Area	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ 1/ 2	-/ 1/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1
Land Segment 25	2/ 6/ 6	-/ 5/ 5	-/ 4/ 5	-/ 1/ 4	-/ 1/ 4	-/ 2/ 3	-/ 1/ 3	-/ -/ 2	-/ -/ 3	-/ 1/ 3	-/ -/ 2	-/ 1/ 3
Land Segment 26	1/ 3/ 4	-/ 3/ 4	-/ 2/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ 1/ 3
Land Segment 27	-/ 2/ 4	-/ 2/ 3	-/ 1/ 3	-/ -/ 2	-/ 1/ 3	-/ 1/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Land Segment 28	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2
Land Segment 29	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 32	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 33	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 34	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments												
Boundary Florida Straits North	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary South 1	-/ -/ 3	-/ -/ 4	-/ -/ 4	-/ -/ 5	-/ -/ 4	-/ -/ 5	-/ -/ 5	-/ -/ 7	-/ -/ 5	-/ -/ 6	-/ -/ 5	-/ -/ 5
Boundary South 2	-/ -/ 3	-/ -/ 4	-/ -/ 4	-/ -/ 6	-/ -/ 6	-/ -/ 5	-/ -/ 6	-/ 2/ 8	-/ 1/ 8	-/ 1/ 7	-/ 2/ 9	-/ 1/ 7
Boundary South 3	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1
Boundary West	-/ -/ 3	-/ -/ 3	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 6	-/ -/ 5	-/ -/ 8	-/ -/ 6	-/ -/ 6	-/ -/ 5	-/ -/ 6

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 2b. Average conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	8/43/58	1/36/53	-/32/50	-/18/42	2/27/47
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	8/16/16	1/ 9/10	-/ 7/ 9	-/ 3/ 6	2/ 7/ 9
Central Winter Menhaden Spawning Grounds	-/ -/ 1	-/ 1/ 1	-/ 1/ 1	-/ 1/ 2	-/ 1/ 1
Chandeleur Islands	2/11/13	1/11/13	-/10/12	-/ 5/ 8	1/ 8/10
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ 3/ 4	-/ 4/ 5	-/ 5/ 6	-/ 6/10	-/ 5/ 8
Eastern Louisiana State Offshore Waters	3/20/23	3/21/24	2/20/23	1/13/16	1/16/19
Mississippi State Offshore Waters	1/ 4/ 4	-/ 3/ 4	-/ 3/ 4	-/ 2/ 3	-/ 2/ 3
Mobile Bay	4/ 6/ 6	-/ 3/ 4	-/ 2/ 3	-/ 1/ 2	1/ 2/ 3
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ 2/ 3	-/ 2/ 3	-/ 3/ 4	-/ 1/ 3	-/ 1/ 3
Land Segment 20	-/ 3/ 4	-/ 3/ 4	-/ 2/ 4	-/ 1/ 2	-/ 1/ 2
Land Segment 21	-/ 4/ 6	-/ 4/ 6	-/ 4/ 6	-/ 1/ 4	-/ 1/ 5
Land Segment 22	-/ 5/ 6	-/ 5/ 6	-/ 4/ 6	-/ 1/ 4	-/ 1/ 4
Land Segment 23	2/ 4/ 5	-/ 4/ 5	-/ 3/ 4	-/ 1/ 2	-/ 1/ 3
Land Segment 24	9/14/14	1/ 8/ 8	-/ 6/ 7	-/ 1/ 4	-/ 2/ 5
Florida					
Big Bend Seagrass	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 3	-/ -/ 3
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	1/ 4/ 5	-/ 3/ 4	-/ 3/ 4	-/ 1/ 3	-/ 2/ 4
Florida Keys National Marine Sanctuary	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1
Florida Middle Ground	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2
Florida Panhandle State Offshore Waters	4/13/17	-/ 9/15	-/ 8/14	-/ 4/11	1/ 7/13
Florida Peninsula State Offshore Waters	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 4
Madison and Swanson Special Management Area	-/ 1/ 4	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ 1/ 2
Steamboat Lumps Special Management Area	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 25	2/ 6/ 6	-/ 5/ 5	-/ 4/ 5	-/ 1/ 4	-/ 1/ 4
Land Segment 26	1/ 3/ 4	-/ 3/ 4	-/ 2/ 3	-/ 1/ 3	-/ 1/ 3
Land Segment 27	-/ 2/ 4	-/ 2/ 3	-/ 1/ 3	-/ -/ 2	-/ 1/ 3
Land Segment 28	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ -/ 2
Land Segment 29	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 32	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 33	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 34	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 36	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ 3	-/ -/ 4	-/ -/ 4	-/ -/ 5	-/ -/ 5
Boundary South 2	-/ -/ 3	-/ -/ 4	-/ -/ 4	-/ 1/ 5	-/ -/ 5
Boundary South 3	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary West	-/ -/ 4	-/ -/ 5	-/ -/ 5	-/ -/ 7	-/ -/ 6

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 3a. Minimum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	3/ 3/ 3	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	3/ 3/ 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Eastern Louisiana State Offshore Waters	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mississippi State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mobile Bay	2/ 2/ 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 20	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 21	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 22	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 23	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 24	2/ 2/ 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida												
Big Bend Seagrass	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Middle Ground	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Panhandle State Offshore Waters	2/ 2/ 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Peninsula State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Madison and Swanson Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Steamboat Lumps Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 25	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 26	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 27	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 28	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 29	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments												
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary West	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 3b. Minimum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	2/ 2/ 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Eastern Louisiana State Offshore Waters	2/ 2/ 2	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -
Mississippi State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mobile Bay	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 20	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 21	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 22	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 23	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 24	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida					
Big Bend Seagrass	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Middle Ground	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Panhandle State Offshore Waters	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Peninsula State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Madison and Swanson Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Steamboat Lumps Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 25	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 26	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 27	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 28	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 29	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary West	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 4a. Maximum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	28/53/63	3/38/55	1/33/51	-/14/42	1/33/51	-/29/50	-/16/43	-/12/39	-/ 9/39	-/29/50	-/ 3/35	28/53/63
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	26/29/29	3/13/14	1/10/12	-/ 4/ 7	1/10/12	-/ 8/10	-/ 4/ 7	-/ 2/ 5	-/ 2/ 6	-/ 8/10	-/ 1/ 5	26/29/29
Central Winter Menhaden Spawning Grounds	-/ -/ 1	-/ 1/ 1	-/ 1/ 1	-/ -/ 1	-/ 1/ 1	-/ 1/ 2	-/ 1/ 2	-/ 1/ 3	-/ 1/ 2	-/ 1/ 3	-/ -/ 2	-/ 1/ 3
Chandeleur Islands	3/11/13	1/10/12	-/ 9/12	-/ 3/ 7	-/ 9/12	-/ 9/12	-/ 5/ 8	-/ 3/ 6	-/ 3/ 7	-/ 9/12	-/ 1/ 6	3/11/13
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1
Western Louisiana State Offshore Waters	-/ 3/ 4	-/ 3/ 4	-/ 3/ 5	-/ 2/ 6	-/ 3/ 6	-/ 7/12	-/ 4/ 9	-/ 7/13	-/ 4/ 9	-/ 7/13	-/ 2/ 9	-/ 7/13
Eastern Louisiana State Offshore Waters	5/18/22	1/19/22	1/18/22	-/ 7/14	1/18/22	1/18/21	-/10/16	-/ 8/13	-/ 7/13	1/18/21	-/ 3/10	5/19/22
Mississippi State Offshore Waters	2/ 3/ 4	-/ 3/ 4	-/ 3/ 4	-/ 1/ 2	-/ 3/ 4	-/ 2/ 4	-/ 1/ 2	-/ 1/ 3	-/ 1/ 2	-/ 2/ 4	-/ -/ 2	2/ 3/ 4
Mobile Bay	12/13/13	2/ 5/ 5	-/ 4/ 5	-/ 1/ 2	-/ 4/ 5	-/ 3/ 4	-/ 2/ 3	-/ 1/ 2	-/ 1/ 2	-/ 3/ 4	-/ -/ 2	12/13/13
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ 1/ 2	-/ -/ 2	-/ 1/ 3	-/ -/ 2	-/ 1/ 3	-/ -/ 2	-/ 1/ 3
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ 1/ 2	-/ 1/ 1	-/ 1/ 4	-/ 1/ 2	-/ 1/ 4	-/ -/ 2	-/ 1/ 4
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 1	-/ 1/ 1	-/ 1/ 1	-/ 1/ 1	-/ 1/ 1	-/ -/ 1	-/ 1/ 1
Land Segment 19	-/ 2/ 3	-/ 3/ 4	-/ 3/ 4	-/ 2/ 4	-/ 3/ 4	-/ 4/ 5	-/ 2/ 4	-/ 3/ 5	-/ 2/ 4	-/ 4/ 5	-/ 1/ 3	-/ 4/ 5
Land Segment 20	-/ 3/ 5	-/ 3/ 5	-/ 3/ 4	-/ 1/ 2	-/ 3/ 4	-/ 2/ 3	-/ 1/ 2	-/ -/ 1	-/ 1/ 1	-/ 2/ 3	-/ -/ 1	-/ 3/ 5
Land Segment 21	-/ 5/ 6	-/ 5/ 7	-/ 5/ 7	-/ 1/ 5	-/ 5/ 7	-/ 5/ 7	-/ 2/ 5	-/ 2/ 5	-/ 1/ 5	-/ 5/ 7	-/ -/ 4	-/ 5/ 7
Land Segment 22	1/ 6/ 8	-/ 6/ 7	-/ 5/ 7	-/ 2/ 4	-/ 5/ 7	-/ 5/ 6	-/ 2/ 5	-/ 1/ 5	-/ 1/ 4	-/ 5/ 6	-/ -/ 3	1/ 6/ 8
Land Segment 23	4/ 7/ 7	-/ 5/ 5	-/ 4/ 5	-/ 1/ 3	-/ 4/ 5	-/ 3/ 5	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 3/ 5	-/ -/ 3	4/ 7/ 7
Land Segment 24	18/21/21	2/10/10	-/ 7/ 8	-/ 3/ 5	-/ 7/ 8	-/ 6/ 7	-/ 3/ 5	-/ 1/ 3	-/ 1/ 4	-/ 6/ 7	-/ -/ 4	18/21/21
Florida												
Big Bend Seagrass	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 6	-/ -/ 6	-/ -/ 5	-/ -/ 5	-/ -/ 3	-/ -/ 5	-/ -/ 5	-/ -/ 5	-/ -/ 6
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Florida Gulf Island National Seashore	5/ 8/ 8	-/ 6/ 7	-/ 5/ 7	-/ 1/ 5	-/ 5/ 7	-/ 4/ 6	-/ 2/ 5	-/ -/ 4	-/ -/ 4	-/ 4/ 6	-/ -/ 4	5/ 8/ 8
Florida Keys National Marine Sanctuary	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Florida Middle Ground	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ 1/ 3
Florida Panhandle State Offshore Waters	18/25/27	2/17/22	-/13/19	-/ 7/18	-/13/19	-/11/18	-/ 6/16	-/ 2/11	-/ 3/13	-/11/18	-/ 1/12	18/25/27
Florida Peninsula State Offshore Waters	-/ -/ 5	-/ -/ 5	-/ -/ 5	-/ -/ 8	-/ -/ 8	-/ -/ 5	-/ -/ 7	-/ -/ 5	-/ -/ 7	-/ -/ 7	-/ -/ 7	-/ -/ 8
Madison and Swanson Special Management Area	-/ 2/ 4	-/ 2/ 4	-/ 1/ 4	-/ 2/ 4	-/ 2/ 4	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ 1/ 2	-/ 1/ 3	-/ 1/ 2	-/ 2/ 4
Steamboat Lumps Special Management Area	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ 1/ 2	-/ -/ 1	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ 1/ 3
Land Segment 25	6/ 9/ 9	1/ 6/ 6	-/ 5/ 6	-/ 2/ 5	-/ 5/ 6	-/ 4/ 5	-/ 1/ 4	-/ -/ 3	-/ 1/ 3	-/ 4/ 5	-/ -/ 3	6/ 9/ 9
Land Segment 26	2/ 4/ 5	-/ 3/ 4	-/ 3/ 4	-/ 1/ 4	-/ 3/ 4	-/ 2/ 4	-/ 1/ 4	-/ -/ 3	-/ -/ 3	-/ 2/ 4	-/ -/ 3	2/ 4/ 5
Land Segment 27	-/ 3/ 4	-/ 2/ 4	-/ 1/ 4	-/ 1/ 3	-/ 1/ 4	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ -/ 2	-/ 1/ 3	-/ -/ 2	-/ 3/ 4
Land Segment 28	-/ 2/ 3	-/ 2/ 4	-/ 1/ 3	-/ 1/ 2	-/ 1/ 3	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ -/ 2	-/ 1/ 2	-/ -/ 1	-/ 2/ 4
Land Segment 29	-/ 1/ 1	-/ 1/ 1	-/ -/ 1	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ 1/ 2	-/ -/ 1	-/ -/ 2	-/ 1/ 2	-/ -/ 2	-/ 1/ 2
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 32	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 33	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 34	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 35	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 36	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 37	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments												
Boundary Florida Straits North	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 3
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary South 1	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 5	-/ -/ 5	-/ -/ 6	-/ -/ 6	-/ 1/ 7	-/ 1/ 7	-/ 1/ 7	-/ 1/ 7	-/ 1/ 7
Boundary South 2	-/ -/ 3	-/ -/ 4	-/ -/ 4	-/ -/ 5	-/ -/ 7	-/ -/ 6	-/ 1/ 6	-/ 3/ 9	-/ 3/ 9	-/ 3/ 9	-/ 4/11	-/ 4/11
Boundary South 3	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Boundary West	-/ -/ 3	-/ -/ 4	-/ -/ 5	-/ -/ 5	-/ -/ 5	-/ -/ 8	-/ -/ 6	-/ -/ 9	-/ -/ 7	-/ -/ 9	-/ -/ 6	-/ -/ 9

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 4b. Maximum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	25/51/62	2/38/54	1/34/51	1/30/50	25/51/62
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	24/27/27	1/11/12	-/ 8/10	-/ 7/ 8	24/27/27
Central Winter Menhaden Spawning Grounds	-/ 1/ 1	-/ 1/ 1	-/ 1/ 2	-/ 1/ 3	-/ 1/ 3
Chandeleur Islands	3/14/16	2/14/15	1/12/13	-/10/12	3/14/16
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Western Louisiana State Offshore Waters	-/ 4/ 5	1/ 5/ 6	1/ 6/ 8	1/ 8/14	1/ 8/14
Eastern Louisiana State Offshore Waters	5/24/26	5/25/27	3/23/26	3/21/24	5/25/27
Mississippi State Offshore Waters	2/ 5/ 5	-/ 4/ 5	-/ 3/ 4	-/ 3/ 4	2/ 5/ 5
Mobile Bay	12/13/13	1/ 4/ 5	-/ 3/ 4	-/ 2/ 3	12/13/13
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 3	-/ 1/ 3
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ 2/ 4	-/ 2/ 4
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 1	-/ 1/ 1
Land Segment 19	-/ 4/ 4	1/ 5/ 5	1/ 5/ 6	1/ 5/ 6	1/ 5/ 6
Land Segment 20	-/ 4/ 6	-/ 4/ 5	-/ 3/ 4	-/ 3/ 3	-/ 4/ 6
Land Segment 21	-/ 7/ 8	-/ 7/ 8	-/ 7/ 8	-/ 6/ 8	-/ 7/ 8
Land Segment 22	1/ 8/ 9	-/ 7/ 8	-/ 6/ 7	-/ 5/ 7	1/ 8/ 9
Land Segment 23	5/ 7/ 8	-/ 5/ 6	-/ 4/ 5	-/ 3/ 5	5/ 7/ 8
Land Segment 24	15/18/18	1/ 7/ 8	-/ 6/ 7	-/ 5/ 6	15/18/18
Florida					
Big Bend Seagrass	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 4
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	3/ 5/ 6	-/ 4/ 5	-/ 3/ 5	-/ 3/ 5	3/ 5/ 6
Florida Keys National Marine Sanctuary	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Florida Middle Ground	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Florida Panhandle State Offshore Waters	10/15/18	1/12/17	-/10/16	-/ 9/15	10/15/18
Florida Peninsula State Offshore Waters	-/ -/ 5	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 5
Madison and Swanson Special Management Area	-/ 2/ 4	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 2/ 4
Steamboat Lumps Special Management Area	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Land Segment 25	3/ 5/ 5	-/ 4/ 5	-/ 3/ 5	-/ 3/ 5	3/ 5/ 5
Land Segment 26	1/ 3/ 4	-/ 2/ 3	-/ 2/ 3	-/ 2/ 3	1/ 3/ 4
Land Segment 27	-/ 2/ 4	-/ 2/ 3	-/ 1/ 3	-/ 1/ 3	-/ 2/ 4
Land Segment 28	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3
Land Segment 29	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 32	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 33	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 34	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 35	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 36	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Boundary South 1	-/ -/ 4	-/ -/ 4	-/ -/ 5	-/ 1/ 7	-/ 1/ 7
Boundary South 2	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ 3/ 9	-/ 3/ 9
Boundary South 3	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Boundary West	-/ -/ 4	-/ -/ 5	-/ -/ 6	-/ -/ 9	-/ -/ 9

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 5a. Average conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the winter season will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	14/39/51	3/31/46	-/28/42	-/ 9/38	-/12/39	-/17/37	-/10/36	-/ 6/30	-/ 5/33	-/10/34	-/ 2/30	1/11/35
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	13/19/19	3/11/12	1/ 9/10	-/ 3/ 7	-/ 4/ 7	-/ 4/ 6	-/ 3/ 6	-/ 1/ 3	-/ 1/ 4	-/ 2/ 5	-/ -/ 4	1/ 3/ 6
Central Winter Menhaden Spawning Grounds	-/ 1/ 1	-/ 2/ 2	-/ 2/ 3	-/ 1/ 3	-/ 1/ 3	-/ 2/ 4	-/ 1/ 4	-/ 2/ 6	-/ 1/ 5	-/ 2/ 5	-/ -/ 4	-/ 1/ 4
Chandeleur Islands	1/ 8/10	-/ 8/ 9	-/ 8/10	-/ 2/ 6	-/ 3/ 7	-/ 5/ 8	-/ 2/ 6	-/ 1/ 5	-/ 1/ 5	-/ 3/ 6	-/ 1/ 4	-/ 3/ 6
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ 2/ 3	-/ 3/ 5	-/ 3/ 4	-/ 1/ 5	-/ 2/ 5	-/ 4/ 7	-/ 2/ 6	-/ 4/10	-/ 2/ 7	-/ 3/ 8	-/ 1/ 6	-/ 2/ 7
Eastern Louisiana State Offshore Waters	2/15/18	1/15/18	-/14/16	-/ 4/11	-/ 5/12	-/11/14	-/ 5/11	-/ 4/ 9	-/ 3/ 9	-/ 6/11	-/ 1/ 8	-/ 6/11
Mississippi State Offshore Waters	1/ 3/ 3	-/ 2/ 3	-/ 2/ 3	-/ -/ 1	-/ 1/ 2	-/ 2/ 3	-/ -/ 2	-/ 1/ 2	-/ -/ 2	-/ 1/ 2	-/ -/ 2	-/ 1/ 2
Mobile Bay	6/ 7/ 7	1/ 4/ 4	-/ 3/ 3	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ -/ 1	-/ 1/ 2	-/ 1/ 2	-/ -/ 1	-/ 1/ 2
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ 1/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ 2/ 3	-/ 3/ 4	-/ 2/ 3	-/ 1/ 2	-/ 1/ 2	-/ 3/ 3	-/ 1/ 2	-/ 1/ 3	-/ 1/ 2	-/ 2/ 3	-/ -/ 2	-/ 1/ 3
Land Segment 20	-/ 4/ 5	-/ 2/ 3	-/ 2/ 2	-/ -/ 1	-/ 1/ 1	-/ 1/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ 1/ 1
Land Segment 21	-/ 4/ 4	-/ 4/ 6	-/ 4/ 6	-/ -/ 4	-/ 1/ 5	-/ 3/ 5	-/ 1/ 5	-/ 1/ 3	-/ 1/ 3	-/ 1/ 4	-/ -/ 3	-/ 1/ 4
Land Segment 22	-/ 4/ 5	-/ 4/ 5	-/ 4/ 5	-/ 1/ 4	-/ 1/ 4	-/ 3/ 5	-/ 1/ 4	-/ 1/ 5	-/ 1/ 4	-/ 1/ 4	-/ -/ 3	-/ 1/ 4
Land Segment 23	2/ 5/ 5	-/ 4/ 4	-/ 3/ 4	-/ 1/ 2	-/ 1/ 2	-/ 3/ 4	-/ 1/ 3	-/ 1/ 2	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ 1/ 3
Land Segment 24	10/14/14	2/ 8/ 8	-/ 6/ 7	-/ 2/ 5	-/ 3/ 5	-/ 2/ 4	-/ 2/ 4	-/ -/ 2	-/ 1/ 3	-/ 1/ 3	-/ -/ 3	1/ 2/ 4
Florida												
Big Bend Seagrass	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	1/ 3/ 4	-/ 3/ 4	-/ 3/ 4	-/ 1/ 5	-/ 2/ 5	-/ 1/ 4	-/ 1/ 5	-/ -/ 3	-/ -/ 4	-/ 1/ 4	-/ -/ 4	-/ 1/ 4
Florida Keys National Marine Sanctuary	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 2
Florida Middle Ground	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Florida Panhandle State Offshore Waters	4/ 9/13	1/ 8/13	-/ 7/12	-/ 4/14	-/ 5/14	-/ 3/10	-/ 3/11	-/ 1/ 7	-/ 1/11	-/ 2/10	-/ 1/11	-/ 3/11
Florida Peninsula State Offshore Waters	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 5	-/ -/ 5	-/ -/ 3	-/ -/ 4	-/ -/ 3	-/ -/ 4	-/ -/ 3	-/ -/ 4	-/ -/ 4
Madison and Swanson Special Management Area	-/ 1/ 3	-/ 1/ 2	-/ 1/ 2	-/ 1/ 1	-/ 1/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Steamboat Lumps Special Management Area	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ 1/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 25	2/ 4/ 5	-/ 4/ 5	-/ 4/ 5	-/ 1/ 4	-/ 2/ 4	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ -/ 3	-/ 1/ 3	-/ -/ 3	-/ 1/ 3
Land Segment 26	-/ 2/ 2	-/ 1/ 2	-/ 1/ 2	-/ 1/ 4	-/ 1/ 4	-/ 1/ 2	-/ 1/ 3	-/ -/ 2	-/ -/ 3	-/ -/ 2	-/ -/ 3	-/ 1/ 3
Land Segment 27	-/ 1/ 2	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ 1/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2
Land Segment 28	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 29	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 32	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments												
Boundary Florida Straits North	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3
Boundary Florida Straits South	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary South 1	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 5	-/ -/ 5	-/ -/ 6	-/ -/ 5	-/ 1/ 7	-/ -/ 6	-/ -/ 6	-/ 1/ 6	-/ -/ 6
Boundary South 2	-/ -/ 7	-/ -/ 9	-/ -/ 9	-/ -/12	-/ -/12	-/ 1/11	-/ 1/13	-/ 5/16	-/ 4/15	-/ 3/14	-/ 7/18	-/ 3/14
Boundary South 3	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 2	-/ 1/ 3	-/ -/ 2
Boundary West	-/ -/ 3	-/ -/ 4	-/ -/ 5	-/ -/ 4	-/ -/ 4	-/ -/ 6	-/ -/ 5	-/ -/ 6	-/ -/ 5	-/ -/ 6	-/ -/ 4	-/ -/ 5

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 5b. Average conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **winter season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	9/38/50	2/32/44	1/28/41	-/17/35	2/24/40
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	9/14/15	1/ 8/ 9	-/ 7/ 8	-/ 3/ 4	2/ 6/ 7
Central Winter Menhaden Spawning Grounds	-/ 1/ 2	-/ 3/ 4	-/ 3/ 4	-/ 3/ 5	-/ 3/ 4
Chandeleur Islands	1/10/11	1/11/12	-/10/11	-/ 5/ 8	1/ 7/ 9
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ 3/ 4	-/ 5/ 6	-/ 4/ 6	-/ 5/ 9	-/ 5/ 7
Eastern Louisiana State Offshore Waters	3/20/22	2/20/22	1/18/20	-/11/14	1/15/17
Mississippi State Offshore Waters	1/ 4/ 4	-/ 3/ 4	-/ 3/ 3	-/ 2/ 3	-/ 3/ 3
Mobile Bay	4/ 6/ 6	1/ 3/ 3	-/ 2/ 2	-/ 1/ 1	1/ 2/ 3
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 1	-/ -/ 1
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 2	-/ -/ 1
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ 3/ 4	-/ 4/ 4	-/ 3/ 4	-/ 3/ 3	-/ 3/ 4
Land Segment 20	-/ 4/ 5	-/ 3/ 3	-/ 2/ 2	-/ 1/ 1	-/ 2/ 2
Land Segment 21	-/ 5/ 5	-/ 6/ 7	-/ 5/ 7	-/ 3/ 5	-/ 4/ 6
Land Segment 22	-/ 6/ 7	-/ 6/ 6	-/ 5/ 6	-/ 3/ 6	-/ 4/ 6
Land Segment 23	2/ 6/ 6	-/ 5/ 5	-/ 4/ 5	-/ 2/ 3	-/ 3/ 4
Land Segment 24	5/10/10	1/ 5/ 6	-/ 4/ 5	-/ 2/ 3	1/ 4/ 5
Florida					
Big Bend Seagrass	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	-/ 2/ 3	-/ 2/ 3	-/ 2/ 3	-/ 1/ 3	-/ 1/ 3
Florida Keys National Marine Sanctuary	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Florida Middle Ground	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 1
Florida Panhandle State Offshore Waters	2/ 6/10	-/ 5/ 9	-/ 5/ 9	-/ 2/ 8	-/ 4/ 9
Florida Peninsula State Offshore Waters	-/ -/ 4	-/ -/ 4	-/ -/ 3	-/ -/ 3	-/ -/ 3
Madison and Swanson Special Management Area	-/ 1/ 2	-/ 1/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 1
Steamboat Lumps Special Management Area	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 25	1/ 2/ 3	-/ 2/ 3	-/ 2/ 3	-/ 1/ 2	-/ 1/ 3
Land Segment 26	-/ 1/ 2	-/ 1/ 1	-/ 1/ 1	-/ 1/ 1	-/ 1/ 1
Land Segment 27	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ 1/ 2
Land Segment 28	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 29	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2
Boundary Florida Straits South	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary South 1	-/ -/ 4	-/ -/ 5	-/ -/ 5	-/ -/ 6	-/ -/ 5
Boundary South 2	-/ -/ 7	-/ -/ 8	-/ -/ 9	-/ 2/11	-/ 1/10
Boundary South 3	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Boundary West	-/ -/ 4	-/ -/ 5	-/ -/ 7	-/ -/ 7	-/ -/ 6

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 6a. Minimum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the winter season will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181(Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	4/ 4/ 4	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	5/ 5/ 5	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Eastern Louisiana State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mississippi State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mobile Bay	2/ 2/ 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 20	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 21	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 22	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 23	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 24	3/ 3/ 3	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida												
Big Bend Seagrass	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Middle Ground	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Panhandle State Offshore Waters	1/ 1/ 1	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Peninsula State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Madison and Swanson Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Steamboat Lumps Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 25	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 26	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 27	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 28	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 29	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments												
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary West	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 6b. Minimum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **winter season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	3/ 3/ 3	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	2/ 2/ 2	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Eastern Louisiana State Offshore Waters	1/ 1/ 1	1/ 1/ 1	1/ 1/ 1	-/ -/ -	-/ -/ -
Mississippi State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mobile Bay	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 20	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 21	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 22	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 23	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 24	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida					
Big Bend Seagrass	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Middle Ground	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Panhandle State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Peninsula State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Madison and Swanson Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Steamboat Lumps Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 25	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 26	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 27	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 28	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 29	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary West	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 7a. Maximum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **winter season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	24/45/55	4/35/48	1/29/43	-/13/40	1/29/43	-/26/41	-/15/39	-/12/34	-/ 9/37	-/26/41	-/ 4/34	24/45/55
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	24/26/27	5/13/14	1/10/11	-/ 5/ 8	1/10/11	-/ 8/10	-/ 5/ 8	-/ 2/ 4	-/ 3/ 6	-/ 8/10	-/ 1/ 5	24/26/27
Central Winter Menhaden Spawning Grounds	-/ 1/ 2	-/ 2/ 3	-/ 2/ 3	-/ 1/ 4	-/ 2/ 4	-/ 4/ 6	-/ 2/ 5	-/ 3/ 7	-/ 2/ 6	-/ 4/ 7	-/ 1/ 5	-/ 4/ 7
Chandeleur Islands	3/11/12	1/10/11	-/ 9/11	-/ 3/ 7	-/ 9/11	-/ 9/10	-/ 5/ 8	-/ 3/ 6	-/ 2/ 7	-/ 9/10	-/ 1/ 5	3/11/12
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ 3/ 5	-/ 4/ 6	-/ 4/ 5	-/ 3/ 6	-/ 4/ 6	-/ 7/12	-/ 3/ 8	-/ 6/12	-/ 3/ 9	-/ 7/12	-/ 2/ 8	-/ 7/12
Eastern Louisiana State Offshore Waters	5/18/21	1/18/21	1/16/18	-/ 6/12	1/16/18	1/15/18	-/ 9/13	-/ 7/12	-/ 5/11	1/15/18	-/ 2/ 9	5/18/21
Mississippi State Offshore Waters	2/ 4/ 4	-/ 3/ 3	-/ 3/ 3	-/ 1/ 3	-/ 3/ 3	-/ 3/ 5	-/ 1/ 4	-/ 2/ 4	-/ 2/ 4	-/ 3/ 5	-/ 1/ 3	2/ 4/ 5
Mobile Bay	12/13/13	2/ 5/ 5	-/ 3/ 4	-/ 2/ 3	-/ 3/ 4	-/ 3/ 4	-/ 2/ 3	-/ 1/ 1	-/ 2/ 3	-/ 3/ 4	-/ 1/ 3	12/13/13
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ 3/ 5	-/ 3/ 4	-/ 2/ 3	-/ 2/ 3	-/ 2/ 3	-/ 4/ 5	-/ 2/ 3	-/ 3/ 4	-/ 2/ 4	-/ 4/ 5	-/ 1/ 3	-/ 4/ 5
Land Segment 20	-/ 5/ 7	-/ 3/ 4	-/ 2/ 3	-/ 1/ 2	-/ 2/ 3	-/ 2/ 2	-/ 1/ 1	-/ -/ -	-/ -/ -	-/ 2/ 2	-/ -/ -	-/ 5/ 7
Land Segment 21	-/ 5/ 5	-/ 5/ 7	-/ 5/ 7	-/ 1/ 5	-/ 5/ 7	-/ 5/ 7	-/ 2/ 6	-/ 1/ 4	-/ 1/ 5	-/ 5/ 7	-/ 1/ 3	-/ 5/ 7
Land Segment 22	1/ 6/ 7	-/ 6/ 6	-/ 5/ 6	-/ 2/ 4	-/ 5/ 6	-/ 5/ 7	-/ 2/ 5	-/ 3/ 6	-/ 1/ 5	-/ 5/ 7	-/ -/ 4	1/ 6/ 7
Land Segment 23	4/ 7/ 7	1/ 4/ 5	-/ 3/ 4	-/ 1/ 3	-/ 3/ 4	-/ 4/ 5	-/ 2/ 4	-/ 2/ 4	-/ 2/ 4	-/ 4/ 5	-/ 1/ 3	4/ 7/ 7
Land Segment 24	19/21/21	3/10/10	1/ 7/ 8	-/ 3/ 6	1/ 7/ 8	-/ 6/ 8	-/ 5/ 7	-/ 1/ 3	-/ 2/ 5	-/ 6/ 8	-/ 1/ 4	19/21/21
Florida												
Big Bend Seagrass	-/ -/ 4	-/ -/ 2	-/ -/ 3	-/ -/ 4	-/ -/ 4	-/ -/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 4
Dry Tortugas	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Florida Gulf Island National Seashore	3/ 4/ 6	1/ 4/ 5	-/ 4/ 6	-/ 2/ 6	-/ 4/ 6	-/ 3/ 6	-/ 2/ 6	-/ 1/ 3	-/ 1/ 5	-/ 3/ 6	-/ -/ 5	3/ 4/ 6
Florida Keys National Marine Sanctuary	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3
Florida Middle Ground	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ 1/ 2
Florida Panhandle State Offshore Waters	10/14/17	2/10/15	1/ 9/14	-/ 6/17	1/ 9/17	-/ 8/13	-/ 5/14	-/ 2/ 9	-/ 3/13	-/ 8/14	-/ 2/13	10/14/17
Florida Peninsula State Offshore Waters	-/ 1/ 5	-/ -/ 4	-/ -/ 4	-/ 1/ 6	-/ 1/ 6	-/ -/ 4	-/ -/ 5	-/ -/ 3	-/ -/ 5	-/ -/ 5	-/ -/ 5	-/ 1/ 6
Madison and Swanson Special Management Area	-/ 2/ 3	-/ 2/ 3	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ 1/ 2	-/ -/ 1	-/ 2/ 3	-/ 2/ 3	-/ 1/ 2	-/ 2/ 3
Steamboat Lumps Special Management Area	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ 1/ 2
Land Segment 25	4/ 6/ 7	1/ 5/ 6	-/ 5/ 6	-/ 2/ 5	-/ 5/ 6	-/ 3/ 5	-/ 2/ 4	-/ 1/ 3	-/ 1/ 4	-/ 3/ 5	-/ -/ 4	4/ 6/ 7
Land Segment 26	1/ 2/ 3	-/ 1/ 2	-/ 1/ 2	-/ 1/ 5	-/ 1/ 5	-/ 1/ 3	-/ 1/ 4	-/ -/ 3	-/ 1/ 4	-/ 1/ 4	-/ -/ 4	1/ 2/ 5
Land Segment 27	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ 1/ 3	-/ -/ 3	-/ 1/ 3
Land Segment 28	-/ 1/ 2	-/ 1/ 2	-/ -/ 1	-/ -/ 3	-/ -/ 3	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ 1/ 3
Land Segment 29	-/ 1/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ 1/ 2
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 32	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 33	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 34	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 35	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 36	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1
Land Segment 37	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 38	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Boundary Segments												
Boundary Florida Straits North	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 4
Boundary Florida Straits South	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Boundary South 1	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 5	-/ -/ 5	-/ -/ 7	-/ -/ 6	-/ 1/ 8	-/ 1/ 7	-/ 1/ 8	-/ 1/ 8	-/ 1/ 8
Boundary South 2	-/ -/ 8	-/ -/ 9	-/ -/10	-/ -/13	-/ -/13	-/ 2/13	-/ 2/14	-/ 9/18	-/ 9/18	-/10/20	-/10/20	-/10/20
Boundary South 3	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 4	-/ 1/ 4
Boundary West	-/ -/ 4	-/ -/ 5	-/ -/ 7	-/ -/ 5	-/ -/ 7	-/ -/ 9	-/ -/ 6	-/ -/ 8	-/ -/ 6	-/ -/ 9	-/ -/ 6	-/ -/ 9

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 7b. Maximum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **winter season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	22/44/54	3/36/47	1/30/43	1/27/41	22/44/54
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	21/24/24	3/11/11	1/ 8/10	-/ 7/ 8	21/24/24
Central Winter Menhaden Spawning Grounds	-/ 2/ 3	-/ 4/ 4	-/ 4/ 4	-/ 5/ 7	-/ 5/ 7
Chandeleur Islands	3/13/14	1/13/14	1/12/12	1/11/12	3/13/14
Flower Garden Banks	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Western Louisiana State Offshore Waters	1/ 5/ 7	1/ 6/ 8	1/ 6/ 7	1/ 7/13	1/ 7/13
Eastern Louisiana State Offshore Waters	6/23/25	4/24/25	3/21/22	3/18/20	6/24/25
Mississippi State Offshore Waters	3/ 5/ 5	1/ 4/ 5	-/ 3/ 4	-/ 4/ 5	3/ 5/ 5
Mobile Bay	12/12/12	2/ 5/ 5	1/ 4/ 4	-/ 3/ 4	12/12/12
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 12	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ 1/ 1	-/ 1/ 3	-/ 1/ 3
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ 2/ 3	-/ 2/ 3
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 1	-/ 1/ 1
Land Segment 19	1/ 5/ 5	1/ 5/ 6	1/ 4/ 5	-/ 5/ 5	1/ 5/ 6
Land Segment 20	-/ 6/ 8	-/ 3/ 4	-/ 2/ 3	-/ 2/ 3	-/ 6/ 8
Land Segment 21	-/ 7/ 8	-/ 7/ 8	-/ 7/ 8	-/ 6/ 8	-/ 7/ 8
Land Segment 22	1/ 8/ 8	-/ 7/ 8	-/ 6/ 7	-/ 5/ 7	1/ 8/ 8
Land Segment 23	5/ 8/ 8	1/ 6/ 7	-/ 5/ 6	-/ 5/ 6	5/ 8/ 8
Land Segment 24	14/17/17	2/ 7/ 7	-/ 6/ 7	-/ 6/ 7	14/17/17
Florida					
Big Bend Seagrass	-/ -/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 3
Dry Tortugas	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Florida Gulf Island National Seashore	2/ 3/ 3	-/ 2/ 3	-/ 2/ 4	-/ 2/ 4	2/ 3/ 4
Florida Keys National Marine Sanctuary	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3
Florida Middle Ground	-/ 1/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ 1/ 2
Florida Panhandle State Offshore Waters	4/ 8/12	1/ 7/11	1/ 6/10	-/ 5/10	4/ 8/12
Florida Peninsula State Offshore Waters	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 4
Madison and Swanson Special Management Area	-/ 2/ 3	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ 2/ 3
Steamboat Lumps Special Management Area	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2
Land Segment 25	2/ 3/ 5	1/ 4/ 5	-/ 3/ 5	-/ 3/ 4	2/ 4/ 5
Land Segment 26	1/ 2/ 3	-/ 1/ 2	-/ 1/ 1	-/ 1/ 2	1/ 2/ 3
Land Segment 27	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3
Land Segment 28	-/ 1/ 2	-/ 1/ 1	-/ -/ 1	-/ -/ 1	-/ 1/ 2
Land Segment 29	-/ 1/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ 1/ 1
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 33	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 34	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 37	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 38	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1
Land Segment 39	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 40	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Boundary Segments					
Boundary Florida Straits North	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 4	-/ -/ 4
Boundary Florida Straits South	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary South 1	-/ -/ 5	-/ -/ 6	-/ -/ 6	-/ 1/ 8	-/ 1/ 8
Boundary South 2	-/ -/ 8	-/ -/ 9	-/ -/ 9	-/ 7/17	-/ 7/17
Boundary South 3	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ 1/ 3	-/ 1/ 3
Boundary West	-/ -/ 5	-/ -/ 7	-/ -/ 8	-/ -/10	-/ -/10

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 8a. Average conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **spring season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	20/56/70	2/46/66	-/42/65	-/13/51	-/17/53	-/27/58	-/15/53	-/10/48	-/ 6/49	-/15/52	-/ 3/43	1/17/52
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	17/24/24	2/14/15	-/11/13	-/ 4/ 7	-/ 5/ 8	-/ 5/ 8	-/ 3/ 7	-/ 1/ 6	-/ 1/ 6	-/ 3/ 7	-/ -/ 5	1/ 4/ 8
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	1/ 8/ 9	1/10/12	-/11/13	-/ 3/ 7	-/ 4/ 8	-/ 9/11	-/ 5/ 9	-/ 3/ 7	-/ 3/ 8	-/ 5/ 9	-/ 1/ 6	-/ 4/ 8
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ 1/ 2	-/ 2/ 3	-/ 3/ 4	-/ 2/ 5	-/ 2/ 5	-/ 5/ 8	-/ 3/ 7	-/ 6/13	-/ 3/ 9	-/ 5/10	-/ 2/ 8	-/ 4/ 8
Eastern Louisiana State Offshore Waters	2/14/17	1/18/22	1/19/23	-/ 6/14	-/ 8/16	-/17/21	-/10/17	-/ 7/14	-/ 6/15	-/10/17	-/ 3/13	-/ 9/16
Mississippi State Offshore Waters	1/ 3/ 4	-/ 3/ 4	-/ 3/ 4	-/ 1/ 2	-/ 1/ 2	-/ 2/ 4	-/ 1/ 2	-/ 1/ 3	-/ -/ 2	-/ 1/ 3	-/ -/ 2	-/ 1/ 3
Mobile Bay	8/10/10	1/ 5/ 5	-/ 3/ 4	-/ 1/ 3	-/ 2/ 3	-/ 1/ 2	-/ 1/ 2	-/ -/ 1	-/ -/ 2	-/ 1/ 2	-/ -/ 1	1/ 1/ 2
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ 1/ 2	-/ -/ 2	-/ 1/ 2	-/ -/ 1	-/ -/ 1
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ 1/ 1	-/ -/ 1	-/ 1/ 3	-/ -/ 2	-/ 1/ 2	-/ -/ 1	-/ -/ 1
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ 1/ 2	-/ 2/ 2	-/ 3/ 4	-/ 1/ 2	-/ 1/ 3	-/ 3/ 4	-/ 2/ 3	-/ 3/ 4	-/ 2/ 3	-/ 2/ 4	-/ 1/ 3	-/ 2/ 3
Land Segment 20	-/ 1/ 2	-/ 2/ 3	-/ 2/ 2	-/ 1/ 2	-/ 1/ 2	-/ 2/ 2	-/ 1/ 2	-/ -/ -	-/ -/ 1	-/ 1/ 1	-/ -/ 1	-/ 1/ 1
Land Segment 21	-/ 3/ 5	-/ 5/ 7	-/ 6/ 8	-/ 1/ 5	-/ 2/ 5	-/ 5/ 8	-/ 2/ 6	-/ 2/ 5	-/ 1/ 5	-/ 3/ 6	-/ -/ 5	-/ 2/ 6
Land Segment 22	-/ 6/ 7	-/ 7/ 9	-/ 7/ 9	-/ 1/ 5	-/ 2/ 5	-/ 4/ 6	-/ 2/ 6	-/ 1/ 4	-/ 1/ 5	-/ 2/ 5	-/ -/ 4	-/ 2/ 5
Land Segment 23	2/ 5/ 6	-/ 6/ 7	-/ 5/ 6	-/ 1/ 3	-/ 2/ 4	-/ 3/ 5	-/ 1/ 3	-/ 1/ 3	-/ -/ 3	-/ 1/ 4	-/ -/ 2	-/ 1/ 4
Land Segment 24	11/18/18	1/ 9/10	-/ 7/ 8	-/ 2/ 5	-/ 3/ 5	-/ 3/ 5	-/ 2/ 5	-/ -/ 4	-/ 1/ 4	-/ 2/ 4	-/ -/ 4	1/ 3/ 5
Florida												
Big Bend Seagrass	-/ -/ 5	-/ -/ 6	-/ -/ 7	-/ -/10	-/ -/ 9	-/ -/ 7	-/ -/ 8	-/ -/ 6	-/ -/ 8	-/ -/ 7	-/ -/ 8	-/ -/ 7
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	4/ 9/10	1/ 7/ 8	-/ 5/ 7	-/ 1/ 5	-/ 2/ 5	-/ 3/ 5	-/ 1/ 5	-/ -/ 4	-/ -/ 5	-/ 1/ 5	-/ -/ 4	-/ 2/ 5
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Florida Middle Ground	-/ -/ 3	-/ -/ 3	-/ -/ 2	-/ 1/ 4	-/ 1/ 4	-/ -/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 3
Florida Panhandle State Offshore Waters	13/27/31	2/20/27	1/17/25	-/ 7/21	-/ 9/21	-/ 8/19	-/ 6/19	-/ 1/13	-/ 2/15	-/ 4/16	-/ 1/13	1/ 6/18
Florida Peninsula State Offshore Waters	-/ -/ 5	-/ -/ 6	-/ -/ 7	-/ 1/11	-/ 1/11	-/ -/ 7	-/ -/ 9	-/ -/ 8	-/ -/10	-/ -/ 8	-/ -/11	-/ -/ 9
Madison and Swanson Special Management Area	-/ 2/ 5	-/ 2/ 4	-/ 2/ 4	-/ 3/ 5	-/ 3/ 5	-/ 2/ 4	-/ 2/ 4	-/ -/ 2	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ 1/ 3
Steamboat Lumps Special Management Area	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ 1/ 4	-/ 1/ 4	-/ -/ 2	-/ 1/ 3	-/ -/ 2	-/ -/ 3	-/ -/ 2	-/ 1/ 3	-/ -/ 3
Land Segment 25	4/ 8/ 8	1/ 5/ 5	-/ 4/ 5	-/ 2/ 4	-/ 2/ 4	-/ 3/ 5	-/ 1/ 4	-/ -/ 4	-/ -/ 4	-/ 1/ 4	-/ -/ 3	-/ 2/ 4
Land Segment 26	1/ 6/ 6	-/ 4/ 6	-/ 3/ 5	-/ 1/ 4	-/ 1/ 4	-/ 1/ 3	-/ 1/ 4	-/ -/ 2	-/ -/ 3	-/ 1/ 3	-/ -/ 3	-/ 1/ 3
Land Segment 27	-/ 5/ 6	-/ 3/ 5	-/ 3/ 5	-/ 1/ 3	-/ 1/ 4	-/ 1/ 4	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 2	-/ 1/ 3
Land Segment 28	-/ 3/ 5	-/ 2/ 5	-/ 2/ 5	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ 1/ 2
Land Segment 29	-/ 1/ 1	-/ 1/ 2	-/ 1/ 2	-/ 1/ 3	-/ 1/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 32	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1
Land Segment 33	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 34	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 35	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 36	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments												
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary South 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Boundary South 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ 1/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 4	-/ -/ 3
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1
Boundary West	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 6	-/ -/ 5	-/ -/ 4	-/ -/ 5	-/ -/ 4

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 8b. Average conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **spring season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	12/54/70	1/48/67	-/44/64	-/26/56	3/36/61
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	10/20/21	1/12/13	-/ 9/11	-/ 5/ 8	2/ 9/11
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	3/12/13	2/15/17	1/14/15	-/ 8/10	1/10/12
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ 2/ 3	-/ 4/ 5	-/ 5/ 6	-/ 7/12	-/ 6/ 8
Eastern Louisiana State Offshore Waters	5/20/23	4/25/27	2/25/27	1/17/21	2/19/23
Mississippi State Offshore Waters	1/ 5/ 5	-/ 5/ 5	-/ 4/ 5	-/ 2/ 4	-/ 3/ 5
Mobile Bay	5/ 8/ 8	-/ 3/ 4	-/ 3/ 3	-/ 1/ 2	1/ 3/ 4
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 2	-/ 1/ 1
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 2	-/ 1/ 1
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 19	-/ 2/ 3	-/ 4/ 4	-/ 4/ 4	-/ 4/ 5	-/ 4/ 4
Land Segment 20	-/ 2/ 2	-/ 3/ 3	-/ 3/ 3	-/ 2/ 2	-/ 2/ 2
Land Segment 21	-/ 5/ 7	-/ 7/ 9	-/ 9/10	-/ 5/ 7	-/ 6/ 8
Land Segment 22	-/ 9/10	-/ 9/11	-/ 7/ 9	-/ 4/ 6	-/ 6/ 8
Land Segment 23	3/ 8/ 9	-/ 6/ 7	-/ 5/ 7	-/ 2/ 5	1/ 4/ 6
Land Segment 24	6/12/12	-/ 7/ 8	-/ 6/ 7	-/ 3/ 5	1/ 6/ 7
Florida					
Big Bend Seagrass	-/ -/ 5	-/ -/ 6	-/ -/ 6	-/ -/ 6	-/ -/ 6
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	1/ 7/ 7	-/ 5/ 6	-/ 4/ 6	-/ 2/ 4	-/ 3/ 5
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Middle Ground	-/ -/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 2
Florida Panhandle State Offshore Waters	6/21/25	1/15/22	-/13/21	-/ 6/16	1/11/19
Florida Peninsula State Offshore Waters	-/ -/ 5	-/ -/ 6	-/ -/ 6	-/ -/ 6	-/ -/ 6
Madison and Swanson Special Management Area	-/ 1/ 4	-/ 1/ 4	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3
Steamboat Lumps Special Management Area	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2
Land Segment 25	2/ 7/ 7	-/ 4/ 5	-/ 3/ 4	-/ 1/ 3	1/ 3/ 4
Land Segment 26	-/ 4/ 5	-/ 3/ 5	-/ 3/ 5	-/ 1/ 3	-/ 2/ 4
Land Segment 27	-/ 3/ 5	-/ 2/ 4	-/ 2/ 4	-/ 1/ 3	-/ 2/ 4
Land Segment 28	-/ 2/ 4	-/ 2/ 5	-/ 1/ 4	-/ 1/ 3	-/ 1/ 3
Land Segment 29	-/ 1/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 32	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 33	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 34	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 35	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 36	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2
Boundary South 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary West	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 4	-/ -/ 3

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 9a. Minimum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **spring season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	4/ 4/ 4	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	4/ 4/ 4	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Eastern Louisiana State Offshore Waters	1/ 1/ 1	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mississippi State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mobile Bay	2/ 2/ 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 20	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 21	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 22	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 23	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 24	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida												
Big Bend Seagrass	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Middle Ground	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Panhandle State Offshore Waters	4/ 4/ 4	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Peninsula State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Madison and Swanson Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Steamboat Lumps Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 25	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 26	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 27	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 28	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 29	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments												
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary West	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 9b. Minimum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **spring season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	2/ 2/ 2	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	1/ 1/ 1	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Eastern Louisiana State Offshore Waters	3/ 3/ 3	2/ 2/ 2	1/ 1/ 1	-/ -/ -	-/ -/ -
Mississippi State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mobile Bay	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 20	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 21	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 22	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 23	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 24	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida					
Big Bend Seagrass	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Middle Ground	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Panhandle State Offshore Waters	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Peninsula State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Madison and Swanson Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Steamboat Lumps Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 25	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 26	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 27	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 28	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 29	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary West	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 10a. Maximum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **spring season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	40/65/74	4/48/68	1/44/65	-/21/54	1/44/65	1/38/65	-/24/57	-/17/54	-/15/54	1/38/65	-/ 5/49	40/65/74
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	35/37/37	5/17/17	-/13/14	-/ 6/ 9	-/13/14	-/10/13	-/ 6/ 9	-/ 3/ 7	-/ 3/ 7	-/10/13	-/ 1/ 7	35/37/37
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	3/11/12	1/12/15	-/13/15	-/ 5/ 9	-/13/15	-/13/15	-/ 7/10	-/ 6/ 9	-/ 6/10	-/13/15	-/ 2/ 9	3/13/15
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ 2/ 3	-/ 3/ 4	-/ 4/ 5	-/ 3/ 7	-/ 4/ 7	1/ 9/14	-/ 5/11	-/10/15	-/ 5/11	1/10/15	-/ 4/12	1/10/15
Eastern Louisiana State Offshore Waters	5/19/23	3/22/25	1/22/26	-/ 9/17	1/22/26	-/15/19	-/12/17	-/11/17	1/23/27	-/ 6/14	5/23/27	5/23/27
Mississippi State Offshore Waters	2/ 4/ 5	-/ 4/ 5	-/ 4/ 4	-/ 2/ 3	-/ 4/ 4	-/ 4/ 5	-/ 2/ 3	-/ 2/ 4	-/ 1/ 3	-/ 4/ 5	-/ 1/ 3	2/ 4/ 5
Mobile Bay	16/17/17	2/ 7/ 7	-/ 5/ 6	-/ 3/ 4	-/ 5/ 6	-/ 4/ 5	-/ 3/ 3	-/ 1/ 2	-/ 1/ 3	-/ 4/ 5	-/ -/ 2	16/17/17
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 2	-/ -/ 3	-/ -/ 2	-/ -/ 3
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ 2/ 2	-/ 1/ 2	-/ 2/ 3	-/ 1/ 3	-/ 2/ 3	-/ 1/ 3	-/ 2/ 3
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ 2/ 3	-/ 1/ 2	-/ 3/ 5	-/ 1/ 3	-/ 3/ 5	-/ 1/ 3	-/ 3/ 5
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ 1/ 1	-/ 1/ 1	-/ 1/ 2	-/ 1/ 1	-/ 1/ 2	-/ 1/ 1	-/ 1/ 2
Land Segment 19	-/ 2/ 3	-/ 3/ 4	-/ 4/ 4	-/ 2/ 4	-/ 4/ 4	1/ 5/ 6	-/ 3/ 5	-/ 4/ 6	-/ 3/ 4	1/ 5/ 6	-/ 2/ 4	1/ 5/ 6
Land Segment 20	-/ 2/ 2	-/ 3/ 3	-/ 2/ 3	-/ 2/ 3	-/ 2/ 3	-/ 3/ 3	-/ 2/ 3	-/ 1/ 2	-/ 1/ 2	-/ 3/ 3	-/ 1/ 2	-/ 3/ 3
Land Segment 21	1/ 5/ 7	-/ 6/ 9	-/ 7/ 8	-/ 2/ 6	-/ 7/ 8	-/ 7/10	-/ 3/ 7	-/ 4/ 8	-/ 3/ 7	-/ 7/10	-/ 1/ 6	1/ 7/10
Land Segment 22	1/ 9/11	-/ 9/11	-/ 8/10	-/ 3/ 6	-/ 8/10	-/ 8/10	-/ 4/ 7	-/ 2/ 6	-/ 2/ 6	-/ 8/10	-/ 1/ 5	1/ 9/11
Land Segment 23	6/ 8/ 9	-/ 7/ 7	-/ 5/ 7	-/ 3/ 4	-/ 5/ 7	-/ 4/ 7	-/ 2/ 4	-/ 2/ 4	-/ 2/ 4	-/ 4/ 7	-/ -/ 3	6/ 8/ 9
Florida												
Big Bend Seagrass	-/ -/ 6	-/ -/ 7	-/ -/ 8	-/ 1/11	-/ 1/11	-/ -/ 9	-/ -/10	-/ -/ 7	-/ -/10	-/ -/10	-/ -/10	-/ 1/11
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Florida Gulf Island National Seashore	9/13/13	1/ 8/ 9	-/ 6/ 8	-/ 2/ 6	-/ 6/ 8	-/ 5/ 7	-/ 3/ 7	-/ 1/ 5	-/ 1/ 6	-/ 5/ 7	-/ -/ 5	9/13/13
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Florida Middle Ground	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 2/ 5	-/ 2/ 5	-/ -/ 3	-/ 1/ 4	-/ -/ 3	-/ 1/ 4	-/ 1/ 4	-/ 1/ 3	-/ 2/ 5
Florida Panhandle State Offshore Waters	26/37/39	5/26/32	1/20/28	-/10/24	1/20/28	-/18/26	-/10/24	-/ 3/17	-/ 5/18	-/18/26	-/ 2/17	26/37/39
Florida Peninsula State Offshore Waters	-/ -/ 7	-/ -/ 7	-/ -/ 8	-/ 1/13	-/ 1/13	-/ -/ 8	-/ 1/12	-/ -/ 9	-/ 1/13	-/ 1/13	-/ -/13	-/ 1/13
Madison and Swanson Special Management Area	-/ 4/ 6	-/ 3/ 5	-/ 3/ 5	-/ 4/ 7	-/ 4/ 7	-/ 3/ 5	-/ 4/ 6	-/ 1/ 3	-/ 2/ 5	-/ 4/ 6	-/ 1/ 3	-/ 4/ 7
Steamboat Lumps Special Management Area	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ 3/ 5	-/ 3/ 5	-/ 1/ 3	-/ 1/ 4	-/ -/ 3	-/ 2/ 4	-/ 2/ 4	-/ 2/ 4	-/ 3/ 5
Land Segment 24	24/27/27	2/12/12	-/ 9/10	-/ 4/ 6	-/ 9/10	-/ 7/ 9	-/ 5/ 6	-/ 2/ 5	-/ 2/ 6	-/ 7/ 9	-/ -/ 5	24/27/27
Land Segment 25	9/12/12	1/ 7/ 7	-/ 6/ 6	-/ 3/ 6	-/ 6/ 6	-/ 5/ 7	-/ 2/ 5	-/ 1/ 5	-/ 1/ 5	-/ 5/ 7	-/ -/ 4	9/12/12
Land Segment 26	4/ 8/ 8	-/ 6/ 6	-/ 5/ 6	-/ 2/ 5	-/ 5/ 6	-/ 3/ 5	-/ 2/ 5	-/ 1/ 3	-/ 1/ 4	-/ 3/ 5	-/ -/ 4	4/ 8/ 8
Land Segment 27	1/ 6/ 7	-/ 4/ 6	-/ 3/ 6	-/ 1/ 5	-/ 3/ 6	-/ 2/ 6	-/ 1/ 4	-/ 1/ 3	-/ 1/ 4	-/ 2/ 6	-/ -/ 4	1/ 6/ 7
Land Segment 28	-/ 4/ 6	-/ 3/ 6	-/ 2/ 5	-/ 1/ 3	-/ 2/ 5	-/ 2/ 5	-/ 1/ 4	-/ -/ 3	-/ -/ 3	-/ 2/ 5	-/ -/ 2	-/ 4/ 6
Land Segment 29	-/ 2/ 2	-/ 1/ 2	-/ 1/ 2	-/ 2/ 4	-/ 2/ 4	-/ 1/ 4	-/ 1/ 4	-/ -/ 3	-/ 1/ 3	-/ 1/ 4	-/ -/ 3	-/ 2/ 4
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 1	-/ 1/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ 1/ 2
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Land Segment 32	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Land Segment 33	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2
Land Segment 34	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2
Land Segment 35	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 3
Land Segment 36	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Land Segment 37	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Land Segment 38	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1
Boundary Segments												
Boundary Florida Straits North	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Boundary South 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ 1/ 4	-/ 1/ 3	-/ 1/ 4	-/ 1/ 3	-/ 1/ 4
Boundary South 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 3	-/ 1/ 5	-/ 1/ 4	-/ 1/ 5	-/ 1/ 5	-/ 1/ 5
Boundary South 3	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3
Boundary West	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 4	-/ -/ 4	-/ -/ 5	-/ -/ 4	-/ -/ 8	-/ -/ 6	-/ -/ 8	-/ -/ 6	-/ -/ 8

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 10b. Maximum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **spring season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	37/63/73	2/49/68	1/47/66	1/42/64	37/63/73
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	33/36/36	2/14/15	-/11/12	-/ 9/11	33/36/36
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	5/19/20	5/19/21	2/17/18	1/14/16	5/19/21
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Western Louisiana State Offshore Waters	-/ 3/ 4	-/ 6/ 7	1/ 6/ 8	1/11/16	1/11/16
Eastern Louisiana State Offshore Waters	8/27/29	8/28/30	5/28/29	3/27/29	8/28/30
Mississippi State Offshore Waters	3/ 7/ 7	-/ 6/ 7	-/ 5/ 6	-/ 4/ 5	3/ 7/ 7
Mobile Bay	16/17/17	1/ 4/ 5	-/ 4/ 5	-/ 3/ 4	16/17/17
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 3	-/ -/ 3
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 2	-/ -/ 2
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 2	-/ -/ 2
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ 3/ 4	-/ 3/ 4
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ 1	-/ 3/ 4	-/ 3/ 4
Land Segment 18	-/ -/ -	-/ -/ 1	-/ 1/ 1	-/ 2/ 2	-/ 2/ 2
Land Segment 19	-/ 3/ 4	-/ 5/ 6	1/ 5/ 5	1/ 6/ 7	1/ 6/ 7
Land Segment 20	-/ 3/ 4	-/ 3/ 4	-/ 4/ 4	-/ 4/ 4	-/ 4/ 4
Land Segment 21	1/ 8/10	-/11/12	-/10/12	-/ 9/11	1/11/12
Land Segment 22	1/11/12	-/10/12	-/ 8/10	-/ 7/ 9	1/11/12
Land Segment 23	6/10/11	-/ 8/ 8	-/ 6/ 7	-/ 5/ 7	6/10/11
Land Segment 24	21/23/24	1/ 8/ 9	-/ 7/ 7	-/ 6/ 7	21/23/24
Florida					
Big Bend Seagrass	-/ -/ 7	-/ -/ 7	-/ -/ 7	-/ -/ 7	-/ -/ 7
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	6/ 9/10	1/ 6/ 7	-/ 5/ 7	-/ 4/ 7	6/ 9/10
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Florida Middle Ground	-/ -/ 4	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 4
Florida Panhandle State Offshore Waters	18/26/29	2/19/24	1/16/23	-/15/22	18/26/29
Florida Peninsula State Offshore Waters	-/ 1/ 6	-/ -/ 6	-/ -/ 7	-/ -/ 8	-/ 1/ 8
Madison and Swanson Special Management Area	-/ 3/ 5	-/ 2/ 5	-/ 2/ 4	-/ 2/ 4	-/ 3/ 5
Steamboat Lumps Special Management Area	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3
Land Segment 25	6/10/10	1/ 5/ 6	-/ 4/ 5	-/ 4/ 5	6/10/10
Land Segment 26	2/ 5/ 6	-/ 4/ 6	-/ 3/ 5	-/ 3/ 5	2/ 5/ 6
Land Segment 27	-/ 5/ 6	-/ 3/ 5	-/ 3/ 4	-/ 2/ 5	-/ 5/ 6
Land Segment 28	-/ 3/ 5	-/ 3/ 6	-/ 2/ 5	-/ 2/ 5	-/ 3/ 6
Land Segment 29	-/ 1/ 2	-/ 1/ 2	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 2	-/ -/ 2
Land Segment 32	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Land Segment 33	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2
Land Segment 34	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 35	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 36	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 38	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 2	-/ -/ 2
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Boundary South 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ 1/ 4	-/ 1/ 4
Boundary South 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ 1/ 4	-/ 1/ 4
Boundary South 3	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Boundary West	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 8	-/ -/ 8

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 11a. Average conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **summer season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	11/45/63	1/34/55	-/28/53	-/ 6/37	-/10/39	-/14/41	-/ 7/36	-/ 4/31	-/ 4/32	-/ 7/35	-/ 2/27	1/10/37
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	9/15/15	1/ 8/ 9	-/ 6/ 8	-/ 1/ 4	-/ 2/ 4	-/ 3/ 6	-/ 1/ 4	-/ 1/ 5	-/ 1/ 4	-/ 1/ 5	-/ -/ 4	1/ 2/ 5
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	1/10/12	-/ 8/11	-/ 6/10	-/ 1/ 5	-/ 2/ 6	-/ 3/ 7	-/ 1/ 5	-/ -/ 3	-/ -/ 4	-/ 1/ 5	-/ -/ 3	-/ 2/ 5
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ 1/ 2	-/ 1/ 2	-/ 2/ 3	-/ 2/ 5	-/ 2/ 4	-/ 4/ 7	-/ 3/ 6	-/ 3/ 9	-/ 2/ 7	-/ 3/ 7	-/ 1/ 5	-/ 3/ 6
Eastern Louisiana State Offshore Waters	2/15/18	-/14/19	-/14/20	-/ 4/12	-/ 6/14	-/ 9/16	-/ 5/13	-/ 2/ 7	-/ 2/ 9	-/ 5/11	-/ 1/ 6	-/ 5/11
Mississippi State Offshore Waters	-/ 2/ 2	-/ 2/ 3	-/ 2/ 3	-/ -/ 1	-/ -/ 1	-/ 1/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2
Mobile Bay	4/ 6/ 6	1/ 3/ 4	-/ 3/ 3	-/ -/ 1	-/ 1/ 2	-/ 1/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ 1/ 2
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ 1/ 2	-/ 2/ 2	-/ 3/ 4	-/ 1/ 3	-/ 2/ 3	-/ 3/ 4	-/ 2/ 4	-/ 1/ 2	-/ 1/ 3	-/ 2/ 3	-/ 1/ 2	-/ 2/ 3
Land Segment 20	-/ 2/ 5	-/ 4/ 6	-/ 4/ 6	-/ -/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 2	-/ -/ -	-/ -/ 1	-/ 1/ 2	-/ -/ -	-/ 1/ 2
Land Segment 21	-/ 5/ 6	-/ 4/ 6	-/ 3/ 6	-/ -/ 3	-/ 1/ 3	-/ 1/ 4	-/ -/ 3	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 2	-/ 1/ 3
Land Segment 22	-/ 4/ 5	-/ 2/ 4	-/ 2/ 4	-/ -/ 2	-/ -/ 3	-/ 1/ 4	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 1	-/ 1/ 3
Land Segment 23	1/ 3/ 3	-/ 3/ 4	-/ 3/ 4	-/ -/ 1	-/ 1/ 2	-/ 1/ 3	-/ -/ 1	-/ -/ 3	-/ -/ 2	-/ 1/ 2	-/ -/ 2	-/ 1/ 2
Land Segment 24	6/10/11	-/ 5/ 5	-/ 4/ 4	-/ 1/ 3	-/ 1/ 3	-/ 2/ 4	-/ 1/ 3	-/ -/ 3	-/ -/ 3	-/ 1/ 3	-/ -/ 2	-/ 2/ 4
Florida												
Big Bend Seagrass	-/ -/ 8	-/ -/ 6	-/ -/ 6	-/ 1/ 9	-/ -/ 8	-/ -/ 6	-/ -/ 6	-/ -/ 4	-/ -/ 5	-/ -/ 5	-/ -/ 6	-/ -/ 6
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	3/ 8/ 9	-/ 7/ 8	-/ 5/ 7	-/ -/ 2	-/ 1/ 3	-/ 2/ 5	-/ -/ 3	-/ -/ 2	-/ -/ 3	-/ 1/ 3	-/ -/ 2	-/ 1/ 4
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1
Florida Middle Ground	-/ -/ 4	-/ -/ 4	-/ -/ 3	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Florida Panhandle State Offshore Waters	12/26/30	1/19/25	-/15/23	-/ 4/14	-/ 6/16	-/ 3/14	-/ 1/10	-/ 1/11	-/ 3/13	-/ 1/10	-/ 1/10	1/ 5/14
Florida Peninsula State Offshore Waters	-/ -/ 8	-/ -/ 6	-/ -/ 7	-/ -/10	-/ -/ 9	-/ -/ 6	-/ -/ 7	-/ -/ 5	-/ -/ 7	-/ -/ 6	-/ -/ 7	-/ -/ 7
Madison and Swanson Special Management Area	-/ 4/ 8	-/ 2/ 6	-/ 1/ 5	-/ 2/ 4	-/ 2/ 4	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ 1/ 3
Steamboat Lumps Special Management Area	-/ -/ 3	-/ -/ 2	-/ -/ 3	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ 1/ 2	-/ -/ 2
Land Segment 25	3/ 8/ 8	-/ 5/ 6	-/ 4/ 6	-/ -/ 3	-/ 1/ 3	-/ 1/ 4	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ 1/ 2	-/ -/ 2	-/ 1/ 3
Land Segment 26	1/ 5/ 6	-/ 4/ 6	-/ 3/ 5	-/ -/ 2	-/ 1/ 2	-/ 1/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 1	-/ 1/ 3
Land Segment 27	-/ 4/ 5	-/ 2/ 4	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ -/ 2	-/ 1/ 2	-/ -/ 2	-/ 1/ 3
Land Segment 28	-/ 2/ 4	-/ 2/ 4	-/ 1/ 4	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2
Land Segment 29	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ 1/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 32	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 33	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 34	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 35	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 36	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 37	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments												
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary South 2	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 5	-/ -/ 5	-/ -/ 4	-/ -/ 6	-/ -/ 4
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -
Boundary West	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 4	-/ -/ 4	-/ -/ 7	-/ -/ 5	-/ -/ 5	-/ -/ 5	-/ -/ 5

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 11b. Average conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **summer season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	6/42/61	1/32/54	1/27/52	-/13/41	2/23/48
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	6/13/14	-/ 7/ 9	-/ 6/ 8	-/ 3/ 6	1/ 6/ 8
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	1/12/13	-/ 9/11	-/ 7/10	-/ 3/ 6	-/ 6/ 9
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ 2/ 2	-/ 3/ 3	1/ 4/ 5	-/ 5/ 9	-/ 4/ 6
Eastern Louisiana State Offshore Waters	3/19/21	2/19/23	2/18/23	1/10/14	1/14/18
Mississippi State Offshore Waters	-/ 3/ 4	-/ 2/ 3	-/ 2/ 3	-/ 1/ 2	-/ 2/ 3
Mobile Bay	2/ 4/ 5	-/ 2/ 3	-/ 1/ 2	-/ 1/ 2	-/ 2/ 2
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ 2/ 2	-/ 3/ 4	1/ 5/ 6	-/ 3/ 4	-/ 3/ 4
Land Segment 20	-/ 4/ 6	-/ 5/ 7	-/ 3/ 5	-/ 1/ 2	-/ 2/ 4
Land Segment 21	-/ 5/ 7	-/ 4/ 6	-/ 3/ 6	-/ 1/ 4	-/ 3/ 5
Land Segment 22	-/ 4/ 6	-/ 3/ 5	-/ 3/ 5	-/ 1/ 4	-/ 2/ 5
Land Segment 23	1/ 5/ 5	-/ 3/ 4	-/ 2/ 3	-/ 1/ 3	-/ 2/ 4
Land Segment 24	3/ 8/ 9	-/ 5/ 6	-/ 4/ 6	-/ 2/ 4	1/ 4/ 5
Florida					
Big Bend Seagrass	-/ -/ 7	-/ -/ 6	-/ -/ 5	-/ -/ 5	-/ -/ 5
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	1/ 6/ 7	-/ 5/ 6	-/ 4/ 5	-/ 1/ 3	-/ 3/ 5
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Middle Ground	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 2	-/ -/ 3
Florida Panhandle State Offshore Waters	6/19/24	1/13/20	-/11/19	-/ 5/14	1/ 9/17
Florida Peninsula State Offshore Waters	-/ -/ 7	-/ -/ 6	-/ -/ 5	-/ -/ 5	-/ -/ 5
Madison and Swanson Special Management Area	-/ 3/ 7	-/ 1/ 5	-/ 1/ 4	-/ -/ 2	-/ 1/ 4
Steamboat Lumps Special Management Area	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Land Segment 25	2/ 5/ 6	-/ 4/ 5	-/ 3/ 4	-/ 1/ 2	-/ 2/ 4
Land Segment 26	-/ 4/ 5	-/ 3/ 4	-/ 3/ 4	-/ 1/ 3	-/ 2/ 4
Land Segment 27	-/ 3/ 5	-/ 2/ 3	-/ 1/ 3	-/ 1/ 3	-/ 1/ 3
Land Segment 28	-/ 1/ 3	-/ 1/ 4	-/ 1/ 4	-/ -/ 2	-/ 1/ 3
Land Segment 29	-/ 1/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 32	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 33	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 34	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 37	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary South 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 3	-/ -/ 2
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary West	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 6	-/ -/ 4

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 12a. Minimum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **summer season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	2/ 2/ 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	2/ 2/ 2	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Eastern Louisiana State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mississippi State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mobile Bay	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 20	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 21	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 22	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 23	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 24	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida												
Big Bend Seagrass	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Middle Ground	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Panhandle State Offshore Waters	2/ 2/ 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Peninsula State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Madison and Swanson Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Steamboat Lumps Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 25	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 26	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 27	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 28	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 29	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments												
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary West	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 12b. Minimum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **summer season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Eastern Louisiana State Offshore Waters	1/ 1/ 1	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -
Mississippi State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mobile Bay	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 20	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 21	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 22	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 23	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 24	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida					
Big Bend Seagrass	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Middle Ground	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Panhandle State Offshore Waters	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Peninsula State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Madison and Swanson Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Steamboat Lumps Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 25	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 26	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 27	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 28	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 29	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary West	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 13a. Maximum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the summer season will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	24/55/70	2/36/57	-/30/53	-/10/41	-/30/53	-/26/52	-/12/41	-/ 8/36	-/ 7/36	-/26/52	-/ 3/31	24/55/70
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	24/27/27	1/10/11	1/ 8/ 9	-/ 2/ 5	1/ 8/ 9	-/ 5/ 8	-/ 2/ 4	-/ 2/ 6	-/ 1/ 5	-/ 5/ 8	-/ 1/ 5	24/27/27
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	3/12/14	-/11/13	-/ 7/11	-/ 2/ 6	-/ 7/11	-/ 6/10	-/ 2/ 7	-/ 1/ 5	-/ 1/ 6	-/ 6/10	-/ -/ 4	3/12/14
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ 2/ 2	-/ 2/ 3	-/ 3/ 4	-/ 2/ 7	-/ 3/ 7	1/ 7/11	-/ 4/ 8	-/ 7/12	-/ 4/ 9	1/ 7/12	-/ 2/ 8	1/ 7/12
Eastern Louisiana State Offshore Waters	5/18/21	1/17/21	1/16/22	-/ 6/14	1/16/22	1/16/21	-/ 8/15	-/ 6/12	-/ 5/12	1/16/21	-/ 2/ 8	5/18/22
Mississippi State Offshore Waters	1/ 3/ 4	-/ 3/ 4	-/ 2/ 4	-/ 1/ 2	-/ 2/ 4	-/ 2/ 3	-/ 1/ 2	-/ 1/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 3	1/ 3/ 4
Mobile Bay	10/11/11	1/ 5/ 5	1/ 4/ 4	-/ 1/ 2	1/ 4/ 4	-/ 3/ 4	-/ 1/ 2	-/ 1/ 3	-/ 1/ 2	-/ 3/ 4	-/ -/ 2	10/11/11
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ 2/ 2	-/ 2/ 3	-/ 4/ 5	-/ 3/ 5	-/ 4/ 5	-/ 5/ 6	-/ 4/ 5	-/ 4/ 5	-/ 3/ 4	-/ 5/ 6	-/ 1/ 3	-/ 5/ 6
Land Segment 20	-/ 4/ 6	-/ 5/ 7	-/ 4/ 7	-/ 1/ 4	-/ 4/ 7	-/ 3/ 5	-/ 2/ 5	-/ 1/ 2	-/ 1/ 2	-/ 3/ 5	-/ -/ 2	-/ 5/ 7
Land Segment 21	-/ 7/ 8	-/ 5/ 7	-/ 3/ 6	-/ 1/ 4	-/ 3/ 6	-/ 2/ 6	-/ 1/ 4	-/ -/ 4	-/ -/ 4	-/ 2/ 6	-/ -/ 3	-/ 7/ 8
Land Segment 22	-/ 5/ 6	-/ 3/ 5	-/ 3/ 5	-/ -/ 3	-/ 3/ 5	-/ 2/ 5	-/ 1/ 4	-/ 1/ 3	-/ -/ 3	-/ 2/ 5	-/ -/ 2	-/ 5/ 6
Land Segment 23	2/ 6/ 6	-/ 4/ 5	-/ 3/ 5	-/ 1/ 2	-/ 3/ 5	-/ 2/ 4	-/ -/ 2	-/ 1/ 4	-/ -/ 3	-/ 2/ 4	-/ -/ 3	2/ 6/ 6
Land Segment 24	14/17/17	1/ 7/ 7	-/ 5/ 6	-/ 2/ 4	-/ 5/ 6	-/ 4/ 5	-/ 2/ 4	-/ 1/ 5	-/ 1/ 4	-/ 4/ 5	-/ 1/ 3	14/17/17
Florida												
Big Bend Seagrass	-/ 1/ 9	-/ -/ 8	-/ -/ 6	-/ 1/10	-/ 1/10	-/ -/ 8	-/ -/ 8	-/ -/ 5	-/ -/ 8	-/ -/ 8	-/ -/ 7	-/ 1/10
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	8/11/12	-/ 9/10	-/ 7/ 9	-/ 1/ 3	-/ 7/ 9	-/ 5/ 7	-/ 2/ 5	-/ -/ 4	-/ -/ 4	-/ 5/ 7	-/ -/ 3	8/11/12
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Middle Ground	-/ -/ 5	-/ -/ 4	-/ -/ 4	-/ 1/ 3	-/ 1/ 4	-/ 1/ 4	-/ 1/ 3	-/ -/ 3	-/ 1/ 3	-/ 1/ 4	-/ 1/ 3	-/ 1/ 5
Florida Panhandle State Offshore Waters	28/37/41	3/24/29	-/17/25	-/ 7/18	-/17/25	-/14/23	-/ 7/18	-/ 2/13	-/ 3/14	-/14/23	-/ 1/12	28/37/41
Florida Peninsula State Offshore Waters	-/ 1/ 9	-/ -/ 7	-/ -/ 8	-/ 1/12	-/ 1/12	-/ -/ 7	-/ 1/ 9	-/ -/ 6	-/ -/10	-/ 1/10	-/ -/ 9	-/ 1/12
Madison and Swanson Special Management Area	-/ 5/ 9	-/ 3/ 7	-/ 2/ 6	-/ 4/ 6	-/ 4/ 6	-/ 2/ 6	-/ 2/ 4	-/ 1/ 3	-/ 1/ 3	-/ 2/ 6	-/ 1/ 3	-/ 5/ 9
Steamboat Lumps Special Management Area	-/ -/ 5	-/ -/ 3	-/ -/ 3	-/ 2/ 5	-/ 2/ 5	-/ 1/ 4	-/ 2/ 4	-/ -/ 1	-/ 1/ 3	-/ 2/ 4	-/ 1/ 4	-/ 2/ 5
Land Segment 25	8/12/12	-/ 7/ 7	-/ 5/ 6	-/ 1/ 4	-/ 5/ 6	-/ 4/ 5	-/ 1/ 3	-/ -/ 3	-/ -/ 3	-/ 4/ 5	-/ -/ 3	8/12/12
Land Segment 26	3/ 7/ 8	-/ 6/ 7	-/ 4/ 7	-/ 1/ 4	-/ 4/ 7	-/ 3/ 5	-/ 1/ 4	-/ -/ 3	-/ -/ 4	-/ 3/ 5	-/ -/ 2	3/ 7/ 8
Land Segment 27	-/ 5/ 6	-/ 3/ 4	-/ 2/ 4	-/ 2/ 4	-/ 2/ 4	-/ 2/ 4	-/ 1/ 4	-/ 1/ 3	-/ 1/ 3	-/ 2/ 4	-/ -/ 3	-/ 5/ 6
Land Segment 28	-/ 3/ 5	-/ 3/ 5	-/ 1/ 4	-/ 1/ 4	-/ 1/ 4	-/ 1/ 4	-/ 1/ 3	-/ -/ 3	-/ 1/ 3	-/ 1/ 4	-/ 1/ 1	-/ 3/ 5
Land Segment 29	-/ 2/ 3	-/ 1/ 3	-/ -/ 2	-/ 1/ 3	-/ 1/ 3	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ -/ 2	-/ 1/ 2	-/ -/ 2	-/ 2/ 3
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 3
Land Segment 33	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 3
Land Segment 34	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2
Land Segment 35	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2
Land Segment 36	-/ -/ 2	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2
Land Segment 37	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 38	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 39	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments												
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 4	-/ -/ 4
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Boundary South 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 4	-/ -/ 4	-/ -/ 7	-/ -/ 7	-/ -/ 7	-/ -/ 8	-/ -/ 8
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary West	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 4	-/ -/ 4	-/ -/ 7	-/ -/ 5	-/ -/ 8	-/ -/ 7	-/ -/ 8	-/ -/ 7	-/ -/ 8

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 13b. Maximum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **summer season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	20/53/69	1/34/56	1/30/54	1/26/52	20/53/69
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	20/25/26	1/ 9/10	1/ 6/ 9	-/ 5/ 9	20/25/26
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	3/13/15	1/11/13	1/ 9/12	1/ 8/12	3/13/15
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Western Louisiana State Offshore Waters	-/ 3/ 3	1/ 5/ 5	1/ 7/ 7	1/ 8/13	1/ 8/13
Eastern Louisiana State Offshore Waters	5/22/24	4/22/25	3/21/25	2/18/22	5/22/25
Mississippi State Offshore Waters	1/ 4/ 5	-/ 4/ 5	-/ 2/ 3	-/ 1/ 3	1/ 4/ 5
Mobile Bay	9/10/10	-/ 3/ 4	-/ 3/ 3	-/ 3/ 4	9/10/10
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 2	-/ -/ 2
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 3	-/ 1/ 3
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 3	-/ 1/ 3
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 2	-/ 1/ 2
Land Segment 19	-/ 2/ 3	1/ 5/ 6	1/ 6/ 7	1/ 6/ 7	1/ 6/ 7
Land Segment 20	-/ 6/ 8	-/ 6/ 8	-/ 4/ 6	-/ 3/ 5	-/ 6/ 8
Land Segment 21	-/ 6/ 8	-/ 5/ 7	-/ 4/ 6	-/ 3/ 6	-/ 6/ 8
Land Segment 22	-/ 5/ 7	-/ 4/ 7	-/ 3/ 6	-/ 2/ 6	-/ 5/ 7
Land Segment 23	3/ 6/ 7	-/ 4/ 5	-/ 3/ 4	-/ 2/ 4	3/ 6/ 7
Land Segment 24	11/14/14	-/ 6/ 7	-/ 6/ 7	-/ 4/ 6	11/14/14
Florida					
Big Bend Seagrass	-/ 1/ 8	-/ -/ 7	-/ -/ 6	-/ -/ 6	-/ 1/ 8
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Florida Gulf Island National Seashore	4/ 8/ 9	-/ 6/ 7	-/ 5/ 7	-/ 4/ 6	4/ 8/ 9
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 2	-/ -/ 2
Florida Middle Ground	-/ -/ 5	-/ -/ 4	-/ -/ 5	-/ -/ 4	-/ -/ 5
Florida Panhandle State Offshore Waters	16/24/27	1/17/23	-/14/21	-/12/21	16/24/27
Florida Peninsula State Offshore Waters	-/ -/ 8	-/ -/ 7	-/ -/ 6	-/ -/ 6	-/ -/ 8
Madison and Swanson Special Management Area	-/ 5/ 9	-/ 2/ 6	-/ 1/ 5	-/ 2/ 5	-/ 5/ 9
Steamboat Lumps Special Management Area	-/ -/ 4	-/ -/ 3	-/ -/ 3	-/ 1/ 3	-/ 1/ 4
Land Segment 25	5/ 7/ 7	-/ 5/ 6	-/ 5/ 6	-/ 4/ 5	5/ 7/ 7
Land Segment 26	1/ 5/ 6	-/ 4/ 5	-/ 4/ 5	-/ 3/ 5	1/ 5/ 6
Land Segment 27	-/ 4/ 6	-/ 2/ 4	-/ 2/ 4	-/ 1/ 4	-/ 4/ 6
Land Segment 28	-/ 3/ 5	-/ 1/ 5	-/ 1/ 5	-/ 1/ 5	-/ 3/ 5
Land Segment 29	-/ 1/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ 1/ 3
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 32	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Land Segment 33	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2
Land Segment 34	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 35	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 36	-/ -/ 2	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 2
Land Segment 37	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 38	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 39	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 3	-/ -/ 3
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Boundary South 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 7	-/ -/ 7
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Boundary West	-/ -/ 2	-/ -/ 3	-/ -/ 4	-/ -/ 8	-/ -/ 8

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 14a. Average conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **fall season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	11/40/51	1/31/46	-/27/43	-/ 6/32	-/ 9/34	-/16/35	-/ 8/32	-/ 6/28	-/ 4/28	-/ 9/31	-/ 2/25	1/10/32
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	12/19/19	1/11/13	-/ 9/11	-/ 1/ 5	-/ 2/ 6	-/ 4/ 6	-/ 2/ 6	-/ -/ 3	-/ 1/ 5	-/ 2/ 5	-/ -/ 4	1/ 3/ 6
Central Winter Menhaden Spawning Grounds	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ 1/ 2	-/ -/ 2	-/ 1/ 3	-/ -/ 2	-/ 1/ 2	-/ -/ 1	-/ 1/ 2
Chandeleur Islands	1/10/12	-/ 8/11	-/ 7/10	-/ 2/ 6	-/ 3/ 7	-/ 6/ 8	-/ 3/ 7	-/ 1/ 3	-/ 1/ 5	-/ 3/ 6	-/ -/ 4	-/ 3/ 6
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ 3/ 4	-/ 2/ 4	-/ 3/ 5	-/ 1/ 5	-/ 1/ 5	-/ 4/ 7	-/ 2/ 6	-/ 5/12	-/ 2/ 7	-/ 4/ 8	-/ 2/ 8	-/ 3/ 8
Eastern Louisiana State Offshore Waters	1/18/23	1/17/21	-/16/21	-/ 5/13	-/ 7/14	-/12/17	-/ 7/13	-/ 4/ 8	-/ 4/11	-/ 7/12	-/ 2/ 8	-/ 7/13
Mississippi State Offshore Waters	1/ 3/ 3	-/ 2/ 3	-/ 2/ 3	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ 1/ 2
Mobile Bay	5/ 7/ 7	-/ 4/ 5	-/ 3/ 4	-/ -/ 1	-/ 1/ 2	-/ 2/ 2	-/ 1/ 2	-/ -/ 1	-/ -/ 1	-/ 1/ 2	-/ -/ 1	-/ 1/ 2
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ 1/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ 1/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -
Land Segment 19	-/ 3/ 4	-/ 3/ 4	-/ 4/ 5	-/ 1/ 2	-/ 1/ 3	-/ 3/ 4	-/ 2/ 3	-/ 3/ 4	-/ 2/ 3	-/ 2/ 4	-/ 1/ 3	-/ 2/ 3
Land Segment 20	-/ 3/ 6	-/ 3/ 5	-/ 2/ 4	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ 1/ 1
Land Segment 21	-/ 5/ 6	-/ 3/ 6	-/ 4/ 6	-/ 1/ 5	-/ 1/ 5	-/ 4/ 7	-/ 1/ 5	-/ 1/ 2	-/ 1/ 5	-/ 2/ 5	-/ -/ 3	-/ 2/ 5
Land Segment 22	-/ 5/ 6	-/ 4/ 6	-/ 4/ 6	-/ 1/ 4	-/ 1/ 5	-/ 2/ 5	-/ 1/ 4	-/ -/ 3	-/ -/ 3	-/ 1/ 4	-/ -/ 3	-/ 1/ 4
Land Segment 23	2/ 5/ 5	-/ 4/ 5	-/ 3/ 4	-/ -/ 2	-/ 1/ 2	-/ 2/ 3	-/ -/ 2	-/ -/ 3	-/ -/ 2	-/ 1/ 2	-/ -/ 2	-/ 1/ 3
Land Segment 24	8/14/14	-/ 8/ 9	-/ 7/ 8	-/ 1/ 4	-/ 2/ 4	-/ 3/ 4	-/ 2/ 5	-/ -/ 2	-/ -/ 4	-/ 1/ 4	-/ -/ 3	1/ 2/ 4
Florida												
Big Bend Seagrass	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	-/ 3/ 3	-/ 2/ 4	-/ 2/ 4	-/ -/ 4	-/ 1/ 4	-/ 1/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Florida Middle Ground	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Panhandle State Offshore Waters	3/ 7/ 9	-/ 7/11	-/ 6/10	-/ 2/11	-/ 2/11	-/ 2/ 8	-/ 1/ 9	-/ -/ 5	-/ -/ 7	-/ 1/ 7	-/ -/ 6	-/ 1/ 8
Florida Peninsula State Offshore Waters	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Madison and Swanson Special Management Area	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ 1/ 1	-/ 1/ 1	-/ 1/ 1	-/ 1/ 1	-/ 1/ 1	-/ 1/ 1	-/ 1/ 1	-/ 1/ 1	-/ 1/ 1
Steamboat Lumps Special Management Area	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 25	1/ 4/ 4	-/ 4/ 5	-/ 3/ 4	-/ 1/ 4	-/ 1/ 4	-/ 1/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 2	-/ 1/ 3
Land Segment 26	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Land Segment 27	-/ 1/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 28	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 29	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments												
Boundary Florida Straits North	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary South 1	-/ -/ 7	-/ -/ 8	-/ -/ 9	-/ -/11	-/ -/10	-/ -/11	-/ -/12	-/ 1/15	-/ -/12	-/ -/12	-/ -/12	-/ -/12
Boundary South 2	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ -/ 6	-/ -/ 6	-/ -/ 5	-/ 1/ 6	-/ 2/ 7	-/ 1/ 8	-/ 1/ 7	-/ 2/10	-/ 1/ 7
Boundary South 3	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2
Boundary West	-/ -/ 6	-/ -/ 7	-/ -/ 8	-/ -/ 7	-/ -/ 7	-/ -/11	-/ -/ 9	-/ -/11	-/ -/ 8	-/ -/10	-/ -/ 7	-/ -/ 9

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 14b. Average conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **fall season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	6/39/49	-/32/45	-/29/42	-/17/34	1/24/39
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	7/14/15	-/ 9/10	-/ 7/ 8	-/ 3/ 5	1/ 6/ 8
Central Winter Menhaden Spawning Grounds	-/ -/ 1	-/ 1/ 1	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2
Chandeleur Islands	1/12/14	1/10/12	-/ 9/12	-/ 5/ 7	-/ 8/10
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Western Louisiana State Offshore Waters	-/ 4/ 5	-/ 4/ 5	-/ 5/ 7	-/ 6/10	-/ 5/ 8
Eastern Louisiana State Offshore Waters	3/22/25	2/21/25	1/20/24	-/12/16	1/16/20
Mississippi State Offshore Waters	1/ 4/ 4	-/ 3/ 4	-/ 3/ 3	-/ 1/ 3	-/ 2/ 3
Mobile Bay	4/ 7/ 7	-/ 4/ 4	-/ 3/ 3	-/ 1/ 2	1/ 3/ 3
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 1	-/ -/ 1
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Land Segment 19	-/ 4/ 4	-/ 4/ 5	-/ 5/ 6	-/ 4/ 5	-/ 4/ 5
Land Segment 20	-/ 4/ 6	-/ 3/ 5	-/ 2/ 4	-/ 1/ 1	-/ 2/ 3
Land Segment 21	-/ 5/ 7	-/ 5/ 7	-/ 5/ 7	-/ 4/ 6	-/ 4/ 6
Land Segment 22	-/ 6/ 8	-/ 6/ 7	-/ 5/ 7	-/ 2/ 5	-/ 4/ 6
Land Segment 23	1/ 6/ 7	-/ 5/ 5	-/ 4/ 4	-/ 2/ 3	-/ 3/ 4
Land Segment 24	4/10/10	-/ 6/ 6	-/ 5/ 5	-/ 2/ 3	1/ 4/ 5
Florida					
Big Bend Seagrass	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	-/ 2/ 2	-/ 2/ 3	-/ 1/ 3	-/ -/ 3	-/ 1/ 3
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Florida Middle Ground	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Panhandle State Offshore Waters	1/ 5/ 7	-/ 5/ 8	-/ 4/ 8	-/ 1/ 6	-/ 3/ 7
Florida Peninsula State Offshore Waters	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Madison and Swanson Special Management Area	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Steamboat Lumps Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 25	-/ 2/ 3	-/ 2/ 3	-/ 2/ 3	-/ 1/ 3	-/ 1/ 3
Land Segment 26	-/ 1/ 1	-/ 1/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 27	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 28	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1
Land Segment 29	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ -
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ -
Boundary South 1	-/ -/ 8	-/ -/ 9	-/ -/ 9	-/ -/12	-/ -/10
Boundary South 2	-/ -/ 4	-/ -/ 4	-/ -/ 4	-/ 1/ 6	-/ -/ 5
Boundary South 3	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary West	-/ -/ 7	-/ -/ 9	-/ -/10	-/ -/13	-/ -/11

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 15a. Minimum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **fall season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	2/ 2/ 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	2/ 2/ 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Eastern Louisiana State Offshore Waters	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mississippi State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mobile Bay	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 20	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 21	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 22	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 23	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 24	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida												
Big Bend Seagrass	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Middle Ground	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Panhandle State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Peninsula State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Madison and Swanson Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Steamboat Lumps Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 25	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 26	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 27	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 28	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 29	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments												
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary West	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 15b. Minimum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **fall season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Central Winter Menhaden Spawning Grounds	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Chandeleur Islands	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Eastern Louisiana State Offshore Waters	1/ 1/ 1	1/ 1/ 1	-/ -/ -	-/ -/ -	-/ -/ -
Mississippi State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Mobile Bay	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 20	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 21	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 22	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 23	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 24	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida					
Big Bend Seagrass	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Middle Ground	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Panhandle State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Peninsula State Offshore Waters	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Madison and Swanson Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Steamboat Lumps Special Management Area	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 25	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 26	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 27	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 28	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 29	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Florida Straits South	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 2	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary South 3	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary West	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 16a. Maximum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **fall season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA01-LA11 and Total Sale Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location											TOTAL
	LA01	LA02	LA03	LA04	LA05	LA06	LA07	LA08	LA09	LA10	LA11	
U.S. Shoreline	23/46/55	1/34/47	-/28/43	-/10/35	-/28/43	-/26/42	-/14/35	-/11/31	-/ 7/32	-/26/42	-/ 3/27	23/46/55
Louisiana/Mississippi/Alabama												
Alabama State Offshore Waters	24/27/27	2/13/14	-/11/12	-/ 3/ 6	-/11/12	-/ 8/11	-/ 4/ 7	-/ 1/ 5	-/ 2/ 7	-/ 8/11	-/ -/ 6	24/27/27
Central Winter Menhaden Spawning Grounds	-/ -/ 1	-/ -/ 1	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ 1/ 3	-/ 1/ 2	-/ 2/ 4	-/ 1/ 3	-/ 2/ 4	-/ -/ 6	-/ 2/ 4
Chandeleur Islands	2/11/14	1/ 9/12	-/ 8/11	-/ 4/ 7	-/ 8/11	-/10/12	-/ 5/ 9	-/ 4/ 7	-/ 4/ 7	-/10/12	-/ 1/ 6	2/11/14
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Western Louisiana State Offshore Waters	-/ 4/ 5	-/ 3/ 5	-/ 4/ 6	-/ 3/ 6	-/ 4/ 6	-/ 7/11	-/ 4/ 8	-/ 8/16	-/ 4/11	-/ 8/16	-/ 3/12	-/ 8/16
Eastern Louisiana State Offshore Waters	5/22/25	1/20/23	1/17/21	-/ 8/15	1/17/21	1/18/22	-/11/16	-/ 8/13	-/ 8/13	1/18/22	-/ 3/11	5/22/25
Mississippi State Offshore Waters	3/ 4/ 4	-/ 3/ 4	-/ 3/ 4	-/ 1/ 2	-/ 3/ 4	-/ 3/ 4	-/ 1/ 2	-/ 1/ 3	-/ -/ 2	-/ 3/ 4	-/ -/ 2	3/ 4/ 4
Mobile Bay	12/12/12	1/ 5/ 6	-/ 4/ 5	-/ 1/ 2	-/ 4/ 5	-/ 3/ 3	-/ 2/ 3	-/ 1/ 2	-/ 1/ 2	-/ 3/ 3	-/ -/ 2	12/12/12
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 19	-/ 4/ 5	-/ 3/ 4	-/ 4/ 5	-/ 2/ 3	-/ 4/ 5	-/ 5/ 6	-/ 3/ 4	-/ 5/ 6	-/ 3/ 4	-/ 5/ 6	-/ 2/ 4	-/ 5/ 6
Land Segment 20	-/ 4/ 7	-/ 4/ 5	-/ 3/ 4	-/ 1/ 3	-/ 3/ 4	-/ 2/ 4	-/ 1/ 2	-/ -/ -	-/ 1/ 1	-/ 2/ 4	-/ -/ -	-/ 4/ 7
Land Segment 21	-/ 6/ 7	-/ 5/ 8	-/ 4/ 7	-/ 1/ 6	-/ 4/ 7	-/ 6/ 8	-/ 3/ 7	-/ 3/ 7	-/ 2/ 6	-/ 6/ 8	-/ 1/ 5	-/ 6/ 8
Land Segment 22	1/ 6/ 8	-/ 5/ 7	-/ 4/ 7	-/ 2/ 5	-/ 4/ 7	-/ 5/ 8	-/ 3/ 6	-/ 1/ 5	-/ 1/ 4	-/ 5/ 8	-/ -/ 4	1/ 6/ 8
Land Segment 23	5/ 7/ 7	-/ 5/ 5	-/ 4/ 4	-/ 1/ 3	-/ 4/ 4	-/ 3/ 4	-/ 1/ 3	-/ 1/ 3	-/ -/ 2	-/ 3/ 4	-/ -/ 2	5/ 7/ 7
Land Segment 24	18/22/22	1/10/12	-/ 8/ 9	-/ 2/ 5	-/ 8/ 9	-/ 7/ 8	-/ 3/ 5	-/ 1/ 3	-/ 1/ 5	-/ 7/ 8	-/ -/ 5	18/22/22
Florida												
Big Bend Seagrass	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Gulf Island National Seashore	1/ 4/ 5	-/ 3/ 5	-/ 3/ 5	-/ 1/ 6	-/ 3/ 6	-/ 3/ 5	-/ 1/ 4	-/ -/ 4	-/ -/ 3	-/ 3/ 5	-/ -/ 3	1/ 4/ 6
Florida Keys National Marine Sanctuary	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Florida Middle Ground	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Florida Panhandle State Offshore Waters	8/10/13	-/ 9/12	-/ 7/12	-/ 4/12	-/ 7/12	-/ 5/11	-/ 3/11	-/ -/ 7	-/ 1/10	-/ 5/11	-/ -/ 9	8/10/13
Florida Peninsula State Offshore Waters	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2
Madison and Swanson Special Management Area	-/ 1/ 2	-/ -/ 1	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ 1/ 1	-/ 1/ 2	-/ -/ 1	-/ 1/ 1	-/ 1/ 2	-/ -/ 1	-/ 1/ 2
Steamboat Lumps Special Management Area	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 25	3/ 6/ 6	-/ 5/ 6	-/ 4/ 5	-/ 1/ 5	-/ 4/ 5	-/ 3/ 5	-/ 1/ 4	-/ -/ 3	-/ -/ 4	-/ 3/ 5	-/ -/ 3	3/ 6/ 6
Land Segment 26	-/ 2/ 2	-/ 2/ 3	-/ 1/ 2	-/ -/ 3	-/ 1/ 3	-/ 1/ 3	-/ -/ 3	-/ -/ 2	-/ -/ 3	-/ 1/ 3	-/ -/ 3	-/ 2/ 3
Land Segment 27	-/ 1/ 2	-/ 1/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ 1/ 2
Land Segment 28	-/ 1/ 2	-/ 1/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ 1/ 2
Land Segment 29	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments												
Boundary Florida Straits North	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3	-/ -/ 3
Boundary Florida Straits South	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Boundary South 1	-/ -/ 8	-/ -/ 9	-/ -/10	-/ -/12	-/ -/12	-/ -/13	-/ -/13	-/ -/17	-/ -/14	-/ -/17	-/ -/15	-/ -/17
Boundary South 2	-/ -/ 4	-/ -/ 4	-/ -/ 5	-/ -/ 9	-/ -/ 9	-/ -/ 6	-/ -/ 9	-/ -/ 8	-/ -/10	-/ -/10	-/ -/12	-/ -/12
Boundary South 3	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 3	-/ -/ 3
Boundary West	-/ -/ 7	-/ -/ 8	-/ -/ 9	-/ -/ 8	-/ -/ 9	-/ -/13	-/ -/10	-/ -/14	-/ -/11	-/ -/14	-/ -/ 8	-/ -/14

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.

Table 16b. Maximum conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in the **fall season** will contact an environmental resource or land segment within 3/10/30 days, Eastern Gulf of Mexico OCS Lease Sale 181 (Launch Areas LA12-LA15 and Total Transportation Area).

Environmental Resource/ Land Segment	Hypothetical Spill Location				
	LA12	LA13	LA14	LA15	TOTAL
U.S. Shoreline	20/45/53	1/35/46	1/32/43	1/28/42	20/45/53
Louisiana/Mississippi/Alabama					
Alabama State Offshore Waters	20/23/23	1/11/12	-/ 9/10	-/ 8/ 9	20/23/23
Central Winter Menhaden Spawning Grounds	-/ 1/ 2	-/ 1/ 2	-/ 2/ 2	-/ 2/ 4	-/ 2/ 4
Chandeleur Islands	2/14/16	2/12/14	1/11/13	-/10/12	2/14/16
Flower Garden Banks	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Western Louisiana State Offshore Waters	1/ 5/ 6	1/ 6/ 7	1/ 7/ 9	1/ 8/16	1/ 8/16
Eastern Louisiana State Offshore Waters	5/26/28	4/25/28	3/24/27	2/21/24	5/26/28
Mississippi State Offshore Waters	3/ 5/ 6	-/ 5/ 5	-/ 4/ 4	-/ 3/ 4	3/ 5/ 6
Mobile Bay	11/12/12	1/ 5/ 6	-/ 5/ 5	-/ 4/ 4	11/12/12
Land Segment 11	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 12	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 13	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 2	-/ -/ 2
Land Segment 14	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 15	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 16	-/ -/ -	-/ -/ -	-/ -/ -	-/ 2/ 3	-/ 2/ 3
Land Segment 17	-/ -/ -	-/ -/ -	-/ -/ -	-/ 2/ 5	-/ 2/ 5
Land Segment 18	-/ -/ -	-/ -/ -	-/ -/ -	-/ 1/ 2	-/ 1/ 2
Land Segment 19	-/ 5/ 6	-/ 6/ 7	-/ 6/ 7	1/ 6/ 7	1/ 6/ 7
Land Segment 20	-/ 5/ 7	-/ 4/ 6	-/ 3/ 4	-/ 2/ 3	-/ 5/ 7
Land Segment 21	-/ 7/ 8	-/ 7/ 8	-/ 6/ 9	-/ 7/ 9	-/ 7/ 9
Land Segment 22	1/ 8/ 9	-/ 7/ 9	-/ 6/ 8	-/ 6/ 8	1/ 8/ 9
Land Segment 23	5/ 8/ 8	-/ 6/ 7	-/ 5/ 5	-/ 4/ 5	5/ 8/ 8
Land Segment 24	14/16/16	-/ 8/ 9	-/ 8/ 8	-/ 6/ 7	14/16/16
Florida					
Big Bend Seagrass	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Dry Tortugas	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Florida Gulf Island National Seashore	-/ 2/ 3	-/ 2/ 4	-/ 2/ 4	-/ 2/ 4	-/ 2/ 4
Florida Keys National Marine Sanctuary	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1	-/ -/ 1
Florida Middle Ground	-/ -/ 1	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ 1
Florida Panhandle State Offshore Waters	3/ 6/ 9	-/ 6/ 9	-/ 4/ 9	-/ 4/ 8	3/ 6/ 9
Florida Peninsula State Offshore Waters	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Madison and Swanson Special Management Area	-/ 1/ 1	-/ -/ 1	-/ 1/ 2	-/ -/ 1	-/ 1/ 2
Steamboat Lumps Special Management Area	-/ -/ -	-/ -/ 1	-/ -/ -	-/ -/ 1	-/ -/ 1
Land Segment 25	1/ 3/ 4	-/ 3/ 4	-/ 2/ 4	-/ 2/ 4	1/ 3/ 4
Land Segment 26	-/ 1/ 2	-/ 1/ 2	-/ 1/ 2	-/ -/ 2	-/ 1/ 2
Land Segment 27	-/ 1/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2	-/ 1/ 2
Land Segment 28	-/ 1/ 2	-/ -/ 2	-/ -/ 2	-/ -/ 1	-/ 1/ 2
Land Segment 29	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Land Segment 30	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 31	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 32	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 33	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 34	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 35	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 36	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 37	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 38	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 39	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 40	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 41	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 42	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Land Segment 43	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -	-/ -/ -
Boundary Segments					
Boundary Florida Straits North	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Boundary Florida Straits South	-/ -/ -	-/ -/ 1	-/ -/ 1	-/ -/ 1	-/ -/ 1
Boundary South 1	-/ -/ 9	-/ -/ 9	-/ -/10	-/ 1/16	-/ 1/16
Boundary South 2	-/ -/ 4	-/ -/ 4	-/ -/ 5	-/ 3/ 8	-/ 3/ 8
Boundary South 3	-/ -/ 2	-/ -/ 1	-/ -/ 1	-/ -/ 2	-/ -/ 2
Boundary West	-/ -/ 9	-/ -/10	-/ -/12	-/ -/14	-/ -/14

Note: ** = greater than 99.5 percent; - = less than 0.5 percent.



The Department of the Interior Mission

As the Nation's principal conservation agency, the Department of the Interior has responsibility for most of our nationally owned public lands and natural resources. This includes fostering sound use of our land and water resources; protecting our fish, wildlife, and biological diversity; preserving the environmental and cultural values of our national parks and historical places; and providing for the enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people by encouraging stewardship and citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.



The Minerals Management Service Mission

As a bureau of the Department of the Interior, the Minerals Management Service's (MMS) primary responsibilities are to manage the mineral resources located on the Nation's Outer Continental Shelf (OCS), collect revenue from the Federal OCS and onshore Federal and Indian lands, and distribute those revenues.

Moreover, in working to meet its responsibilities, the **Offshore Minerals Management Program** administers the OCS competitive leasing program and oversees the safe and environmentally sound exploration and production of our Nation's offshore natural gas, oil and other mineral resources. The **MMS Royalty Management Program** meets its responsibilities by ensuring the efficient, timely and accurate collection and disbursement of revenue from mineral leasing and production due to Indian tribes and allottees, States and the U.S. Treasury.

The MMS strives to fulfill its responsibilities through the general guiding principles of: (1) being responsive to the public's concerns and interests by maintaining a dialogue with all potentially affected parties and (2) carrying out its programs with an emphasis on working to enhance the quality of life for all Americans by lending MMS assistance and expertise to economic development and environmental protection.