

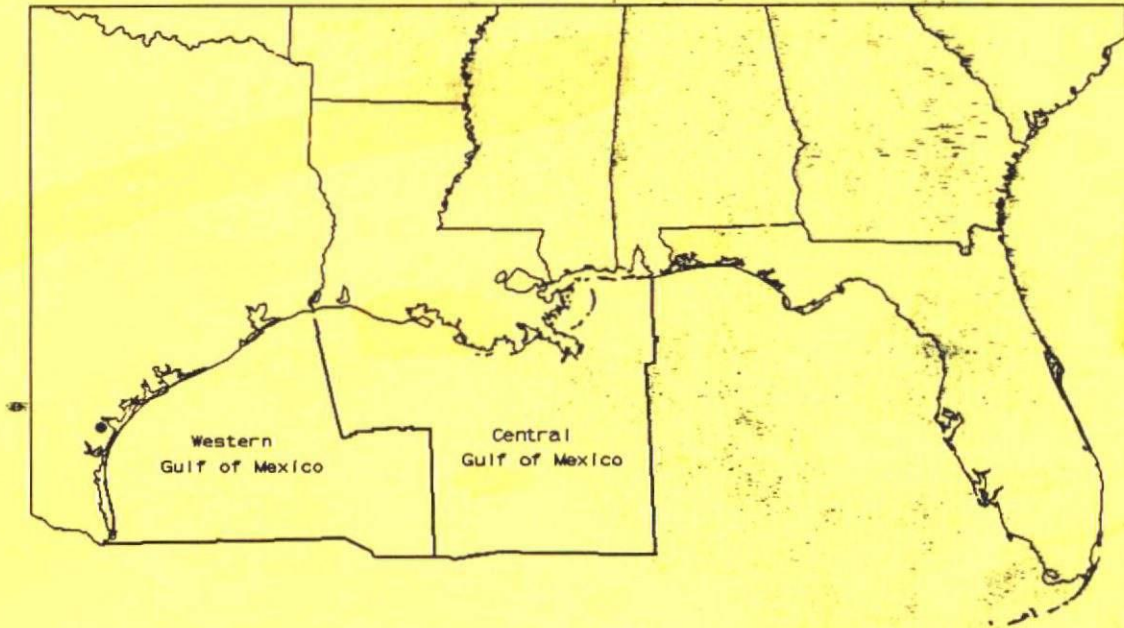


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Oil-Spill Risk Analysis: Central and Western Gulf of Mexico Outer Continental Shelf Lease Sales 157 and 161



U.S. Department of the Interior
Minerals Management Service
Branch of Environmental Operations and Analysis

Oil-Spill Risk Analysis: Central and Western Gulf of Mexico Outer Continental Shelf Lease Sales 157 and 161

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Introduction

The Federal Government has proposed to offer Outer Continental Shelf (OCS) lands in the Central and Western Gulf of Mexico Planning Areas for oil and gas leasing in OCS Lease Sales 157 and 161. The base case estimates of oil resources (the amount that is likely to be leased, discovered, and produced) as a result of these lease sales are 0.11 billion barrels (Bbbl) for Lease Sale 157 in the Central Gulf of Mexico and 0.04 Bbbl for Lease Sale 161 in the Western Gulf of Mexico. The high case estimates (the amount of oil resources likely to be leased, discovered, and produced as a result of a higher level of activity) are 0.24 Bbbl for the Central Gulf of Mexico and 0.10 Bbbl for the Western Gulf of Mexico. The resource estimates assume that commercial quantities of hydrocarbons exist in the sale areas. Production for the lease sales is assumed to span a period of 32 years (1998-2029). Production for the cumulative case (prior sales, the proposed action, and future sales—defined as total planning action [TPA]) is assumed to span a period of 35 years (1996-2030). The resource estimates for the TPA include 1.18 Bbbl for the Western Gulf, 4.73 Bbbl for the Central Gulf, and 0.03 Bbbl for the Eastern Gulf. This report examines the possible occurrence and contact of hypothetical oil spills if leases are issued and commercial quantities of oil are found and produced from OCS Lease Sales 157 and 161.

Because oil spills may occur from activities associated with offshore oil exploration, production, and transportation, the Minerals Management Service (MMS) conducts a formal risk assessment prior to lease sales. When the significance of accidental oil spills is evaluated, it is important to remember that the occurrence of such spills is fundamentally a matter of probability. No one can certify 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 the lease. Neither can the wind and current conditions during a spill be known for certain. Although some of this uncertainty is due to incomplete and imperfect data, a considerable amount exists simply because it is difficult to estimate future events. For example, a probabilistic event such as an oil-spill occurrence cannot be predicted—only an estimate of its likelihood or probability can be quantified.

However, the possible effects of oil spills that could occur from oil and gas production must be considered in the leasing decision. To maintain perspective, each potential effect must be associated with a quantitative estimate of its probability of occurrence. This report summarizes results of an oil-spill risk analysis (OSRA) conducted for the proposed Gulf of Mexico OCS Lease Sales 157 and 161. The objective of this analysis was to estimate relative risks associated with oil and gas production for the proposed lease sales. The MMS considers the analysis in the environmental impact statement (EIS) prepared for the lease sales. A description of the OSRA model used in this analysis can be found in previous papers (Smith et al., 1982; LaBelle and Anderson, 1985).

The analysis was conducted in three parts corresponding to different aspects of the overall problem.

- The first part dealt with the probability of oil-spill occurrence.
- The second part dealt with the trajectories of oil spills from hypothetical spill locations to various environmental resources.
- The third part combined results of the first two to estimate the overall oil-spill risk if there is oil production as a result of the lease sales.

Summary of the Proposed Action

The proposed action is to offer for lease OCS lands in the Gulf of Mexico. The study area for this analysis extends from latitudes 23.0° N. to 30.5° N. and from longitudes 78.0° W. to 97.5° W. The study area and the 145 hypothetical spill sites, which are used to represent oil-spill risks from anticipated platforms in the proposed lease areas, are shown in figure 1. Existing and potential pipeline and tanker routes are shown in figures 2 through 9 to represent spill risks from oil transportation.

The development scenario assumes production and transportation of the base case oil resource for the proposed action to be 0.11 Bbbl for the Central Gulf of Mexico and 0.04 Bbbl for the Western Gulf of Mexico. In addition, the scenario assumes the high case resource to be 0.24 Bbbl for the Central Gulf of Mexico and 0.10 Bbbl for the Western Gulf of Mexico. The analysis also considers the OCS Gulfwide (GW) oil resources (5.94 Bbbl) and non-OCS imports (67 Bbbl--foreign oil and non-OCS domestic petroleum products) projected over the assumed production life of the proposed sales. The GW resource consists of the TPA estimates of oil resources and reserves for all lease sales during the assumed production life of the proposal. The TPA comprises proposed, existing, and future leases in each of the planning areas. The scenarios and subsequent analyses assume that commercial quantities of hydrocarbons are present in the lease sale areas. The oil is distributed according to each spill site's contribution to the proposed action's total resource estimate.

The development scenario also assumes that all of the oil produced in the areas to be leased will be transported by one or more pipeline routes (figs. 2-6). Only imported oil will be brought to shore by ships. The ships will follow the import routes (fig. 7) and then the fairway routes (fig. 8) to shore. In previous lease sales, it was assumed that some specified amount of the OCS-produced oil would be brought to shore wholly or partly by shuttle tankers. These tankers would follow the shuttle tanker routes shown in figure 9.

Framework of Analysis

The OSRA depends not only on the meteorological and geographical conditions of the study area but also on the environmental resources that are at risk and the estimated volumes of oil resources that are assumed to be discovered, produced, and transported.

Environmental Resources

The locations of 32 environmental resources were digitized in the same coordinate system or base map as that used in the trajectory simulations. Environmental resources were selected by MMS analysts in the Gulf of Mexico OCS Region who prepare the EIS for the lease

sales. Appendix A (figs. A-1 through A-5) contains maps showing the digitized environmental resource locations.

Because the trajectory model simulates an oil spill as a point, environmental resources have been given an areal extent slightly greater than they actually occupy. For example, shoreline environmental resources extend a short distance offshore, thus allowing the model to simulate a spill that approaches, partially contacts the environmental resource, withdraws, and continues on its path.

Please note that the definition of the coastal waters of the Gulf states has been changed from the definition used in the OSRA for Lease Sales 152 and 155. Previously, the coastal waters represented the state shores with no seaward extent. This analysis uses the state territorial waters—the waters from the shore to the claimed seaward extent. Texas and Florida claim out to 9 miles from their shores; Louisiana, Mississippi, and Alabama claim out to 3 miles from their shores. Also, please note that the extent of the environmental resource "Land" (total shoreline extent) has been increased in this OSRA by the inclusion of parts of Cuba, parts of two Bahamian islands, and a small portion of the Mexican coast adjacent to the U.S.-Mexican border.

Each environmental resource was represented as being vulnerable year-round, with the following exceptions: The Aransas Refuge area, western winter menhaden, and central winter menhaden are not vulnerable to simulated oil-spill contact during April through August because the species of concern are not present in these areas at that time of the year. The digitized environmental resources of concern in the Gulf of Mexico OCS Lease Sales 157 and 161, and the figures illustrating their locations, follow:

Environmental Resources (Figure Number)

Land (9)	Survey Block 1 (A-3)
Galveston Bay (A-1)	Survey Block 2 (A-2)
Aransas Refuge (A-1)	Survey Block 3 (A-4)
Tamaulipas, Mexico (A-1)	Survey Block 4 (A-2)
Mobile Bay (A-3)	Survey Block 5 (A-5)
Timbalier Bay (A-3)	Survey Block 6 (A-4)
Barataria Bay (A-3)	Survey Block 7 (A-2)
Mississippi Sound (A-3)	Florida Keys National Marine Sanctuary (A-4)
Caminada Headland (A-5)	Flower Garden National Marine Sanctuary (A-3)
West Plaquemines coastal barrier beaches (A-4)	Texas coastal waters (A-3)
Chandeleur/Breton coastal barrier beaches (A-4)	Louisiana coastal waters (A-2)
East Deltaic Plain marshes (A-5)	Mississippi coastal waters (A-1)
Western winter menhaden (A-3)	Alabama coastal waters (A-2)
Central winter menhaden (A-1)	Florida coastal waters (A-1)
Big Bend seagrass beds (A-5)	Florida Bay seagrass beds (A-2)
Florida Middle Grounds (A-4)	Dry Tortugas (A-1)

Land was further analyzed by dividing the study area coastline into 58 land segments (fig. 10). The segments along the U.S. coast were defined by county/parish boundaries with some land segments spanning more than one county/parish. The following list identifies the county/parish names and their corresponding land segment numbers. Four additional land segments were used in this analysis: the northern coast of Cuba; the western coast of Andros Island, the western coast of Grand Bahama Island; and a segment of the Mexican coast adjacent to the U.S.-Mexican border. With the use of improved and geographically extended ocean circulation modeling and observations of surface currents, these additional areas became possible oil-spill contact points in our analysis. Therefore, we have added them to the list.

County/Parish Name	Segment Number	County/Parish Name	Segment Number
Cameron, Tex.	1	Willacy, Tex.	2
Kenedy, Tex.	3	Kleberg, Tex.	4
Nueces, Tex.	5	San Patricio, Tex.	5
Aransas, Tex.	6	Calhoun, Tex.	7
Matagorda, Tex.	8	Brazoria, Tex.	9
Galveston, Tex.	10	Chambers, Tex.	10
Jefferson, Tex.	11	Cameron, La.	12
Vermilion, La.	13	New Iberia, La.	14
St. Mary, La.	15	Terrebonne, La.	16
Lafourche, La.	17	Jefferson, La.	18
Plaquemines, La.	19	St. Bernard, La.	20
Orleans, La.	20	St. Charles, La.	20
St. John the Baptist, La.	20	Livingston, La.	20
Tangipahoa, La.	20	St. Tammany, La.	20
Hancock, Miss.	21	Harrison, Miss.	21
Jackson, Miss.	21	Mobile, Ala.	22
Baldwin, Ala.	23	Escambia, Fla.	24
Santa Rosa, Fla.	24	Okaloosa, Fla.	25
Walton, Fla.	26	Bay, Fla.	27
Gulf, Fla.	28	Franklin, Fla.	29
Wakulla, Fla.	30	Jefferson, Fla.	30
Taylor, Fla.	31	Dixie, Fla.	32
Levy, Fla.	33	Citrus, Fla.	34
Hernando, Fla.	35	Pasco, Fla.	36
Pinellas, Fla.	37	Hillsborough, Fla.	37
Manatee, Fla.	38	Sarasota, Fla.	39
Charlotte, Fla.	40	Lee, Fla.	41
Collier, Fla.	42	Monroe, Fla.	43
Dade, Fla. (mainland)	44	Broward, Fla.	45
Palm Beach, Fla.	46	Martin, Fla.	47
St. Lucie, Fla.	48	Indian River, Fla.	49
Brevard, Fla.	50	Volusia, Fla.	51
Flagler, Fla.	52	St. Johns, Fla.	53
Duval, Fla.	54	Cuba	55
Andros Island	56	Grand Bahama Island	57
Mexican Border	58		

To provide a more detailed analysis of oil-spill contacts with land or land-based environmental resources, the model includes a feature that allows combining results of contacts to specific land segments. The segments, which are vulnerable all year, were grouped in the following combinations to represent the 67 land-based environmental resources listed below.

Environmental Resource	Land Segment Number
South Padre Island coastal barrier beaches	1 and 2
North Padre Island coastal barrier beaches	3 and 4
Mustang Island coastal barrier beaches	5
Saint Joseph Island coastal barrier beaches	6
Matagorda Island coastal barrier beaches	7
Matagorda Peninsula coastal barrier beaches	8
Brazos Headland coastal barrier beaches	9
Galveston Island/Bolivar Peninsula coastal barrier beaches	10
Rollover Pass to Sabine Pass coastal barrier beaches	11
Laguna Madre seagrass beds	1 to 4
Corpus Christi Bay seagrass beds	5
Espiritu Santo/Matagorda seagrass beds	7 and 8
Galveston seagrass beds	10
Espiritu Santo/Matagorda Bays	7 and 8
Galveston Bay	10
Central Texas coastal marshes	6 to 8
Eastern Texas coastal marshes	9 to 11
Brazos/South Padre Islands recreational beaches	1
Padre Island National Seashore/Mustang Island recreational beaches	3 to 5
Matagorda Island recreational beaches	7
Matagorda coastal recreational beaches	8
Brazoria coastal recreational beaches	9
Galveston/Bolivar Peninsula recreational beaches	10
Sea Rim recreational beaches	11
Chenier Plain coastal barrier beaches	12 and 13
Grand Isle/Grand Terre coastal barrier beaches	18
Dauphin Island coastal barrier beaches	22
Gulf Shores coastal barrier beaches	23
Mobile/Perdido seagrass beds	22 and 23
Vermilion/Atchafalaya Bays	14 and 15
Mobile Bay	22 and 23
Chenier Plain marshes	12 and 13
Cameron Parish recreational beaches	12
Fouchon recreational beaches	17

Environmental Resource	Land Segment Number
Grand Isle recreational beaches	18
Mississippi Mainland recreational beaches	21
Dauphin Island recreational beaches	22
Gulf Shores recreational beaches	23
Emerald Coast coastal barrier beaches	24 to 27
Saint Joseph Spit coastal barrier beaches	28
Apalachicola Bay coastal barrier beaches	29
Southwest Florida coastal barrier beaches	37 to 42
Santa Rosa Sound seagrass beds	24
Choctawhatchee seagrass beds	25
Saint Andrew Bay/Sound seagrass beds	27
Saint Joseph Bay seagrass beds	28
Apalachicola Bay seagrass beds	29
Tampa/Sarasota Bays seagrass beds	37 and 38
Charlotte Harbor seagrass beds	40 and 41
Escambia/Pensacola Bays and Santa Rosa Sound	24
Choctawhatchee Bay	25
Saint Andrew Bay	27
Saint Joseph Bay	28
Apalachicola Bay	29
Tampa/Sarasota Bays	37 and 38
Charlotte Harbor	40 and 41
Apalachicola Bay marshes	29
Big Bend marshes	30 to 36
Emerald Coast recreational beaches	24 to 26
Panama City recreational beaches	27
Saint Joseph Spit recreational beaches	28
Franklin County recreational beaches	29
Central Florida recreational beaches	37 to 42
Everglades manatees	42 to 44
Tampa Bay mangroves	37 and 38
Charlotte Harbor mangroves	40 and 41
Everglades mangroves	42 to 44

Estimated Volume of Oil Resources

For this analysis, both benefits and risks are functions of the volume of oil and are mutually dependent. For example, greater volumes of oil are associated with greater economic benefits as well as greater risks. If the benefits are evaluated by assuming production of a specific amount of oil, then the corresponding risks should be stated conditionally, such as "the risks are . . . , given that the volume is" Any statements about the likelihood of a particular volume of oil being present also apply to the likelihood of the corresponding benefits and risks.

The estimated volumes of oil resources used for oil-spill risk calculations in this report correspond to those used by MMS in preparing the EIS for the lease sales. These estimates were allocated to the hypothetical spill sites by analysts in the Gulf of Mexico OCS Region (memoranda from the MMS Regional Supervisor for Resource Evaluation, Gulf of Mexico OCS Region, to the MMS Deputy Associate Director for Resources and Environmental Management, dated July 26, 1994). The conditional undiscovered, economically recoverable oil resource estimates that are assumed to be leased, developed, produced, and transported for OCS Lease Sales 157 and 161 are as follows:

Planning Area	Sales 157 and 161		Total Planning Area Total Volume
	Base Case	High Case	
Western Gulf	0.04 Bbbl	0.10 Bbbl	1.18 Bbbl
Central Gulf	0.11 Bbbl	0.24 Bbbl	4.73 Bbbl
Eastern Gulf	--	--	0.03 Bbbl

The TPA estimate is the sum of estimates from prior sales, the proposed action, and future sales (TPA = PS + P + F). Prior sales include known reserves as well as estimates of undiscovered resources on existing leases. Future sales are OCS lease sales expected to occur during the assumed production life of OCS Lease Sales 157 and 161. The volume of undiscovered oil resources is assumed to be produced over a period of 35 years following these sales. It is assumed that an estimated 67 Bbbl of crude oil will be imported to the Gulf of Mexico Region by tankers from outside sources over the same 35-year period (memorandum from Regional Supervisor for Leasing and Environment, Gulf of Mexico, to Chief, Environmental Policy and Programs Division, dated July 26, 1994).

The GW volume was created from the TPA estimates:

$$GW = WTPA + CTPA + ETPA = 5.94 \text{ Bbbl}$$

where :

WTPA = Western TPA

CTPA = Central TPA

ETPA = Eastern TPA

It should be emphasized that these estimates and the following analysis assume that commercial quantities of oil are present. If no commercial quantities of oil are present, no oil-spill risks from OCS production exist.

Oil-Spill Risk Analysis (OSRA)

The OSRA consists of three parts: the probability of an oil spill occurring, the trajectory simulation of the oil spill, and the combination of occurrence probability and trajectory simulation.

Probability of Oil Spills Occurring

The probability of oil spills occurring (given that commercial quantities of oil are present) assumes that spills occur independently of each other as a Poisson process. The Poisson process is a statistical distribution commonly used to model random events. The probability of oil spills occurring is based on spill rates derived from past OCS platform and pipeline experience and tanker experience in U.S. waters and depends on the volume of oil produced and transported. All types of accidental spills greater than or equal to 1,000 barrels (bbl) were considered in this analysis. These spills include not only well blowouts but also other accidents that occur on platforms and during transportation of oil to shore. These accidents were classified as either platform, pipeline, or tanker spills. This classification allows the analyst to compare the risks from each spill source between the proposed action and any alternatives.

Anderson and LaBelle (1995) examined oil-spill occurrence rates applicable to the U.S. Outer Continental Shelf. Their results, adjusted for recent experience and based upon more complete databases than were available for earlier analyses (Anderson and LaBelle, 1990; Lanfear and Amstutz, 1983), indicated some significant changes in the spill rates for platforms and pipelines. In addition, they developed estimated occurrence rates for tanker spills that occurred in U.S. waters. This report uses the updated spill occurrence rates.

Spill rates are expressed as number of spills per billion barrels (spills/Bbbl) of oil produced or transported. Only spills greater than or equal to 1,000 bbl are addressed because smaller spills may not persist long enough to be simulated by trajectory modeling. Another consideration is that a large spill is likely to be identified and reported; therefore, these records are more comprehensive than those of smaller spills. (Small, chronic spillage is addressed in the EIS for OCS Leases 157 and 161 without the use of trajectory modeling.)

Two basic criteria were used in selecting volume of oil handled as the risk exposure variable: (1) the exposure variable should be simple to define, and (2) it should be a quantity that can be estimated. The volume of oil produced or transported was the chosen exposure variable primarily for the following reasons: historic volumes of oil produced and transported are well documented; using these volumes makes the calculation of the estimated oil-spill occurrence rate simple—the ratio of the number of historic spills to the volume of oil produced or transported; and future volumes of oil production and transportation are routinely estimated. Estimates of volume are prepared by MMS Resource Evaluation program analysts; their function and expertise involve the assessment of oil resources by using comprehensive geological and geophysical databases and related models. In addition, the MMS analysts estimate most other exposure variables, such as number of platforms and tanker trips, as a function of the volume of oil produced or transported.

Anderson and LaBelle (1995) analyzed platform and pipeline spills that occurred on the U.S. Outer Continental Shelf from 1964 through 1992, and crude oil tanker spills that occurred in U.S. waters from 1974 through 1992. In these analyses, every spill record was examined and verified to the furthest extent possible. Each spill was classified for size, product spilled, and spill source, according to its applicability to the analysis.

In an earlier analysis (Anderson and LaBelle, 1990), nonparametric tests were applied to determine whether OCS platform and pipeline spills from 1964 through 1987 were random and independent. For these observations, the volume of oil produced and transported between spills appeared to be nonrandom, increasing over time. Extending the data through 1992, Anderson and LaBelle (1995) showed that the OCS platform spill rate continued to decline. However, with the occurrence of four pipeline spills between 1988 and 1992, there was no longer any evidence of a corresponding decrease in the estimated OCS pipeline spill occurrence rate.

For spills greater than or equal to 1,000 bbl, the spill rates are 0.45 spills/Bbbl of produced oil for U.S. Outer Continental Shelf platforms and 1.32 spills/Bbbl of transported oil for U.S. Outer Continental Shelf pipelines. The platform rate reflects the observed decline in spill occurrence mentioned above. The platform spill rate is based on the most recent 73 percent of the production record, which includes only 27 percent of the historic platform spills (3 spills/6.6 Bbbl produced). The pipeline spill rate of 1.32 spills/Bbbl is based on the entire OCS production (transportation) and pipeline spill records (12 spills/9.1 Bbbl transported).

The database of tanker spills in U.S. waters provided substantially more observations than did the OCS pipeline and platform data. Spill rates for tanker spills greater than or equal to 1,000 bbl were calculated directly from the data and were relatively constant from 1974 through 1992. Spill rates for tanker spills occurring "at sea" were calculated separately from those occurring "in port"; these values were 0.51 spills/Bbbl and 0.70 spills/Bbbl of transported oil, respectively, for a total tanker rate of 1.21 spills/Bbbl.

In summary, the spill rates in U.S. waters (expressed as number of spills \geq 1,000 bbl/Bbbl of produced or transported oil) used in this report are as follows:

Spill Source	Spill Rate in U.S. Waters (Spills/Bbbl)
Platforms	0.45
Pipelines	1.32
Tankers	1.21
At Sea	0.51
In Port	0.70

Oil-spill occurrences (spills \geq 1,000 bbl) are considered to be governed by a Poisson process (Smith et al., 1982; Lanfear and Amstutz, 1983; Anderson and LaBelle, 1990; Anderson and LaBelle, 1995). The probability of a specific number of spills $p(n)$ occurring is described by the Poisson distribution:

$$p(n) = \frac{e^{-\lambda} \cdot \lambda^n}{n!}$$

where n is the specific number of spills (0, 1, 2, ..., n), e is the base of the natural logarithm, and λ is the parameter of the Poisson distribution. For oil spills, the Poisson parameter (λ) is equal to the spill rate multiplied by the volume of oil to be produced or transported. The spill rate has dimensions of number of spills/Bbbl, and the volume is expressed in Bbbl. Therefore, λ denotes the mean number of spills estimated to occur as a result of production or transportation of a specific volume of oil.

Oil-spill occurrence estimates for spills greater than or equal to 1,000 bbl were calculated for production and transportation of oil during the assumed production life of the proposed action (1998-2029). Table 1 shows the mean number of spills estimated to occur and the probability of one or more spills occurring in the study area over the assumed production life of the proposed lease sales. The OSRA uses only the oceanic portion of the tanker-related spills, using the "at-sea" spill rate (0.51 spills/Bbbl) in the computations related to analysis of the trajectory modeling. Only one-half of the at-sea rate was applied to the tanker routes that are in the sale area but continue outside. Spills representing the other half of the rate are assumed to occur outside the study area.

Estimates of tanker spills occurring "in port" are based on historical spills that have occurred within bays, estuaries, and harbors, and at pier sites. These spills are not appropriate for trajectory modeling and are not included in this analysis other than as represented below. It was assumed that one-half of the "in-port" spills would occur at each port of call in the study area. The following table presents the estimated mean number of "in port" spills and the probabilities of one or more of these spills occurring from tankers while in the U. S. Gulf of Mexico ports handling crude petroleum.

Port	Base Case Volume Scenario (32 Years)		High Case Volume Scenario (32 Years)		Imports (35 Years)	
	Mean	Prob	Mean	Prob	Mean	Prob
	No.	1+	No.	1+	No.	1+
Corpus Christi, Tex.	--	--	--	--	2.35	90%
Freeport, Tex.	--	--	--	--	0.38	32%
Houston, Tex.	--	--	--	--	5.63	99+ %
Port Arthur/Beaumont, Tex.	--	--	--	--	2.35	90%
Lake Charles, La.	--	--	--	--	1.88	85%
Mississippi River Ports, La.	--	--	--	--	3.75	98%
Louisiana Offshore Oil Port	--	--	--	--	5.30	99+ %
Pascagoula, Miss.	--	--	--	--	1.58	79%
Mobile, Ala.	--	--	--	--	0.23	21%

Note: -- represents < 0.01

Oil-Spill Trajectory Simulations

The trajectory simulation portion of the model consists of many hypothetical oil-spill trajectories. The trajectories are the consequence of the integrated action of a temporally and spatially varying wind field and ocean current field on the hypothetical oil spills. Collectively, they represent an assumably statistical ensemble of the winds and currents that will occur over the life of the lease sales.

The analysis uses a combination of observed and theoretically computed ocean currents and winds. Most of the ocean currents used were generated by a numerical model. They were supplemented with many direct observations of the currents in the western Gulf resulting from repetitive deployments of surface drifting buoys. The sea surface winds over the Gulf were derived from observations of sea surface atmospheric pressure with an applied ageostrophic correction. The following discussion briefly describes these fields.

Climatologically representative monthly mean surface currents were provided by Dynalysis of Princeton, Princeton, New Jersey, using the Princeton-Dynalysis Ocean Model (PDOM). The PDOM, an enhanced version of the Mellor-Blumberg Model, 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 are the 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 also be simulated. Other computed variables include the density, vertical eddy viscosity, and vertical eddy diffusivity.

A 12-year simulation was performed on the computational grid shown in figure 11. The model was driven by monthly climatological wind stress, heat flux, river flow, and Gulf Stream transport boundary conditions. From this 12-year simulation, a climatologically representative year was selected. Monthly averaged surface currents were then computed from that year and constitute most of the ocean currents used in the trajectory simulations.

Although its skill assessment has not been completed yet, the PDOM is believed to be an improvement over that previously used. It reproduces more features of the Gulf's circulation than was previously resolved, and the magnitude of the model currents are more realistic when compared to available observations.

In addition to the model surface current maps, quasi-Eulerian surface currents were derived from the positions of satellite-tracked drifting buoys. 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. 12). 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. However, only the observations through May 15, 1994, were available for this analysis and then were used only as a mean surface current field over the period October 15, 1993, to May 15, 1994.

The mean surface current field consisted of quasi-Eulerian velocities generated by decomposing the trajectories into geographical "boxes" (fig. 13). Within each box, a velocity was assigned which is the average of 25 or more daily velocities of trajectories occurring in the box over October 15, 1993—May 15, 1994 (fig. 14). The velocity vectors were located at the centers of their respective boxes. Mean velocities were computed when there were 25 or more trajectories within a box.

In the trajectory simulations, the drifting buoy mean velocities were substituted for the Dynalysis model currents in the same geographical area during the time interval October 15-May 15 (in the model year). The substitution was made whenever a hypothetical spill was within one of the SCULP boxes during this time interval. The combination of the SCULP data and the PDOM currents gives the analysts the best determination of the ocean circulation in the Gulf of Mexico available to date.

In addition to the ocean currents, a wind field was employed to add the effect of the direct sea surface winds on the hypothetical spills. Note that this is a different wind field than the climatological field used by Dynalysis to generate the model currents.

The wind field employed was developed by the (former) Naval Oceanographic Research and Development Activity (now Naval Research Laboratory in Mississippi). They computed geostrophic sea surface winds from analyzed atmospheric pressure maps at 12-hour intervals for the 27-year period extending from January 1967 through December 1993. The analyzed pressure maps were compiled by the Fleet Numerical Oceanography and Meteorology Center in Monterey, California. The geostrophic winds were then "corrected" to account for the frictional drag at the sea surface. Details of the compilation and enhancement of the first 16 years of this data set are described in Rhodes, Thompson, and Wallcraft (1989).

The "corrections" for frictional drag at the sea surface were calculated by using a linear regression analysis on the daily averaged geostrophic winds and the observed winds from meteorological stations on moored buoys. The calculations were performed on both wind magnitude and direction. The magnitude correction was nearly constant with time (0.675); however, the direction correction varied seasonally from 8.5 degrees to 26.5 degrees. The resultant wind field is known as the Navy Corrected Geostrophic Wind (NCGW) field. Further details are given in Rhodes, Thompson, and Wallcraft (1989).

This NCGW field is gridded at 1.0° of latitude and longitude every 12 hours for the first 16 years. The final 11 years of winds available to MMS were gridded every 2.5° of latitude and longitude and subsequently were interpolated to the same 1.0° grid as with the first 16 years of data. The first 16 years of wind data were compared with offshore meteorological data to assess representativeness. Time series of wind speed from selected meteorological stations representing the four corners of the Gulf of Mexico Region were compared with the NCGW field. The stations were three National Data Buoy Center moored buoys (number 42001—26.0° N, 90.0° W, number 42010/11—29.7° N, 93.4° W, and number 42009—29.3° N, 87.5° W) and the airport at Key West, Florida—24.5° N, 81.7° W (fig. 15). The analysts assumed that the winds observed at the Key West station were similar to those offshore, given the low island topography and its distance from the mainland. The time series of the velocity components from the NCGW field were within one standard deviation of the selected buoy wind time series and were visually well correlated. The correlation coefficients between the meteorological buoys and corresponding points on the NCGW grid for the u (eastward) and v (northward) component speeds are listed below:

Station	u	v
42001	0.89	0.90
42010/11	0.75	0.88
42009	0.88	0.91
Key West	0.93	0.95

The directional accuracy was assessed by comparing progressive vector diagrams of buoy and NCGW fields to wind roses. The best agreement was found between the data sets farthest offshore. The near coastal stations had a greater degree of high frequency and diurnal variability, and the buoys had shorter records. Consequently, the qualitative comparison of the progressive vector diagrams showed more variations between the two sets. The wind roses calculated from the buoys and the gridded winds generally were similar in all seasons. The results show that there is a tendency for the buoys to show a slightly higher frequency of southerly winds in winter than the gridded winds. The increase was in the range of 4 to 12 percent in estimates that have standard deviations of as much as 6 percent, thus indicating that these differences are near the statistically normal range.

The comparisons showed that the NCGW data reproduced the seasonal and high-frequency variabilities and the spatial variability of the Gulf of Mexico wind field, as measured by meteorological buoys distributed throughout the Gulf. Consequently, this data set was a good choice for forcing the wind-drift portion of the model.

In August 1994, the MMS acquired an additional 11 years of NCGW data (January 1983 through December 1993), as discussed above. The newer data were qualitatively compared with the older data and with concurrent winds observed from buoy number 42001. Stick plots of the 1983 and 1990 NCGW data and concurrent winds from buoy number 42001 are presented in figure 16. There are some gaps in the buoy data, but most of the 2 years is covered by observations. The time interval in the plots is 12 hours, and the compared NCGW time series was geographically interpolated to coincide with the buoy location.

Clearly, the newer NCGW data are highly coherent with and comparable in magnitude to the observed buoy winds. Therefore, the analysts are confident in using them to extend the NCGW time series to 27 years.

As previously mentioned, the 27-year wind field does not drive the ocean currents used in this analysis. The wind field is used to model the direct wind drift on a hypothetical oil spill. Presently, an empirical "3.5% rule" with a speed-dependent wind deflection angle is used (Samuels, Huang, and Amstutz, 1982). The speed of the wind-induced drift is 3.5 percent of the prevailing wind speed at the standard 10 meters above the sea surface, and the drift angle from the directly downwind direction decreases with increasing speed, approaching zero at 35 m/sec.

To assess fully the environmental conditions throughout the 27 years covered by the wind data set, trajectories of hypothetical spills were started every 4 or 5 days (4.85 days on the average) from an array of sites covering the production areas (fig. 1), pipeline routes (figs. 2-6), and ship transport lanes (figs. 7-9). Two thousand trajectories were generated for every site. At each 12-hour time step, a bilinear spatial interpolation of the wind velocity was made from the 1° (latitude and longitude) grid.

The selection of 4 or 5 days was determined by the length of the NCGW wind record and the choice of 2,000 trajectories per site. The chosen number of trajectories per site was computationally practical and large enough to reduce the random sampling error to an insignificant level. Possible aliasing from weather-scale (2 to 3 days) changes in the winds due to the 4.85-day release rate should not be a problem. Once released, the hypothetical spill is subjected to the 12-hourly winds, which contain the weather-scale variability. Also, the weather is not strictly cyclic, so 4.85-day releases over the 27-year wind record will likely capture the statistics of the weather-scale changes.

Each trajectory was allowed to continue for as long as 30 days. However, if the hypothetical spill contacted land or large islands sooner than 30 days after the start of the spill, the spill trajectory was terminated.

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. Spill contacts occurring on or before these elapse times are recorded. 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.

Conditional Probabilities

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. Conditional probabilities of contact within 3, 10, and 30 days were calculated for each of the proposed and existing hypothetical spill sites and for each pipeline and transportation route segment (figs. 1 through 9). These conditional probabilities of contact with environmental resources and land segments are presented in tables 2 through 7, and on a seasonal basis in appendices B and C.

Combined Analysis of Oil-Spill Occurrence and Oil-Spill Trajectory Simulations

A critical difference exists between the *conditional probabilities* and the *combined probabilities* calculated in this section. Conditional probabilities depend only on the winds and currents in the study area. Combined probabilities, on the other hand, depend not only on the physical conditions, but also on the chance of spill occurrence, the estimated volume of oil to be produced or transported, and the oil transportation scenario. These additional variables make the combined probabilities sensitive to the activities in the lease area, that is, dependent on which tracts are leased or not leased and the implementation of any specific transportation stipulation. The combined probabilities for this analysis of the proposed lease sales are presented in tables 8 through 13.

In calculating the *combined probabilities*, those that represent probabilities of both oil-spill occurrence and contact, the following steps are performed:

1. For a set of n_r environmental resources and n_l launch points, the *conditional probabilities* can be represented in a matrix form. Let [C] be an $n_r \times n_l$ matrix, where each element $c_{i,j}$ is the probability that an oil spill will contact environmental resource i , given that a spill occurs at launch point j . Note that launch points can represent potential spill starting points from production areas or transportation routes.
2. Spill occurrence can be represented by another matrix [S]. With n_l launch points and n_s production sites, the dimensions of [S] are $n_l \times n_s$. Let each element $s_{j,k}$ be the estimated mean number of spills occurring at launch point j owing to production of a unit volume (1 Bbbl) of oil at site k . These spills can result from either production or transportation. The $s_{j,k}$ can be determined as a function of the volume of oil (spills/Bbbl). Each column of [S] corresponds to one production site and one transportation route. If alternative and mutually exclusive transportation routes are considered for the same production site, they can be represented by additional columns of [S], thus increasing n_s .
3. Matrix [U] is defined as

$$[U] = [C] \times [S]$$

Matrix [U]—which has dimensions $n_r \times n_s$ —is termed the *unit risk matrix*. Each element $u_{i,k}$ corresponds to the estimated mean number of spills occurring and

contacting environmental resource i , owing to the production of a unit volume (1 Bbbl) of oil at site k .

4. With [U], the mean contacts to each environmental resource are estimated, given a set of oil volumes at each site. Let [V] be a vector of dimension n , where each element v_k corresponds to the volume of oil expected to be found at production site k . Then, if [L] is a vector of dimension n , where each element λ_i corresponds to the mean number of contacts to environmental resource i , the formula is

$$[L] = [U] \times [V]$$

Thus, estimates of the mean number of oil spills that will occur and contact environmental resources (or land segments) can be calculated. (Note that as a statistical parameter, the mean number can assume a fractional value, even though fractions of oil spills have no physical meaning.)

Using Bayesian techniques, Devaney and Stewart (1974) showed that the probability of n oil-spill contacts can be described by a negative binomial distribution. Smith et al. (1982), however, noted that when actual exposure is much less than historical exposure, as is the case here, the negative binomial distribution can be approximated by a Poisson distribution. The Poisson distribution has a significant advantage in calculations because it is defined by only one parameter, the assumed number of spills. Thus, the matrix [L] contains all the information needed to use the Poisson distribution—if $p(n,i)$ is the probability of exactly n contacts to environmental resource i , then:

$$P(n,i) = \frac{\lambda_i^n * e^{-\lambda_i}}{n!}$$

Discussion

This analysis characterizes the oil-spill risks associated with the Central and Western Gulf of Mexico OCS Lease Sales 157 and 161. The three volume scenarios considered for the proposed action were the base case, high case, and GW (table 1). Also considered were the estimated volume for imports and a GW aggregate volume scenario that included the Western, Central, and Eastern Planning Areas. The computed mean numbers of spills due to base case and high case activities are less than 1.0 in both the western and central Gulf (table 1). However, in the cumulative case, the corresponding computed mean numbers of spills in the TPA are greater: 2.0 and 8.0 in the Western and Central Gulf Planning Areas, respectively. The smallest computed mean number of spills, 0.05, is that for the Eastern Gulf TPA, where oil activities are much lower than elsewhere in U.S. Gulf waters. Import tankering, however, demonstrated the largest risk, with a computed mean of 17.0 spills.

Conditional Probabilities: In computing the conditional probabilities of contact, the analysts assume that a spill has occurred and estimate the probability that the assumed (hypothetical) spill will contact a designated environmental resource or land segment. The results indicate

that for the first 3 days oil from only those hypothetical spill sites immediately adjacent to an environmental resource pose a risk. The 3-day conditional probabilities range as high as 90 percent or more. After 10 days, many resources not adjacent to spill sites have probabilities of contact greater than 0.5 percent (the lower limit of model estimation). Again, the probabilities range as high as 90 percent or more. Finally, at 30 days, all of the western and central Gulf spill sites have a probability of contact with Land greater than 0.5 percent, and many other resources have elevated probabilities of contact. It is unlikely, however, that a spill would persist for 30 days without significant levels of weathering and/or cleanup.

Oil-Spill Occurrence: The estimated mean numbers of spills and the probabilities that an oil spill greater than or equal to 1,000 bbl could occur for the scenarios considered are given in table 1. These probabilities are based on the volume of oil assumed to be found, produced, and transported over the lease lifetimes and on the rates that have been calculated for oil spills by Anderson and LaBelle (1995).

The following list shows the probabilities of one or more oil spills greater than or equal to 1,000 bbl occurring as a result of production and transportation of the locally produced oil (i.e., excluding imports) from OCS Lease Sales 157 and 161:

<u>Planning Area</u>	<u>Base-Case Probability</u>	<u>High-Case Probability</u>
Western Gulf	7%	16%
Central Gulf	18%	35%

Combined Probabilities: The combined probabilities include the conditional probabilities of contact and the probability that an oil spill will occur; these probabilities are based on the trajectories, transportation scenarios, oil-spill rates, and the volumes of oil assumed to be found and produced as a result of the lease sales. The MMS Gulf of Mexico analysts generally use the 10-day combined probability tables for the EIS. The combined probabilities for the base case (proposed) and the high case can be found in tables 8 through 13 for the Central and Western Gulf Planning Areas.

The higher probabilities of an oil spill ($\geq 1,000$ bbl) occurring and contacting an environmental resource within 10 days for the proposed action (tables 8 and 10) are as follows:

<u>Environmental Resource</u>	<u>Western Gulf Base Case/High Case</u>	<u>Central Gulf Base Case/High Case</u>
Land	2% / 5%	5% / 10%
Galveston Bay	n / 1%	n / n
Timbalier Bay	n / n	2% / 4%
Barataria Bay	n / n	n / 1%
Caminada Headland	n / n	1%/1%
West Plaquemines coastal barrier beaches	n / n	n / 1%

Environmental Resource	Western Gulf Base Case/High Case	Central Gulf Base Case/High Case
Chandeleur/Breton coastal barrier beaches	n / n	n / 1%
East Deltaic Plain marshes	n / n	1% / 2%
Western winter menhaden	n / n	2% / 5%
Central winter menhaden	n / n	1% / 1%
Survey Block 3	n / n	1% / 1%
Survey Block 4	n / n	1% / 3%
Survey Block 5	n / n	2% / 5%
Survey Block 6	n / n	2% / 5%
Survey Block 7	n / n	2% / 5%
Texas Coastal Waters	2% / 5%	n / n
Louisiana Coastal Waters	n / n	6% / 12%
North Padre Island coastal barrier beaches	n / 1%	n / n
Mustang Island coastal barrier beaches	n / 1%	n / n
Matagorda Peninsula coastal barrier beaches	n / 1%	n / n
Galveston Island/Bolivar Peninsula coastal barrier beaches	n / 1%	n / n
Laguna Madre seagrass beds	n / 1%	n / n
Corpus Christi Bay seagrass beds	n / 1%	n / n
Espiritu Santo/Matagorda seagrass beds	n / 1%	n / n
Galveston seagrass beds	n / 1%	n / n
Espiritu Santa/Matagorda Bays	n / 1%	n / n
Galveston Bay	n / 1%	n / n
Central Texas coastal marshes	1% / 1%	n / n
Eastern Texas coastal marshes	n / 1%	n / n
Padre Island National Seashore/Mustang Island recreational beaches	1% / 1%	n / n
Matagorda County recreational beaches	n / 1%	n / n
Galveston/Boliva Peninsula recreational beaches	n / 1%	n / n
Chenier Plain coastal barrier beaches	n / n	1% / 2%
Vermilion/Atchafalaya Bays	n / n	1% / 1%
Chenier Plain marshes	n / n	1% / 2%
Cameron Parish recreational beaches	n / n	n / 1%
Fouchon recreational beaches	n / n	n / 1%
Land Segment 5	n / 1%	n / n
Land Segment 8	n / 1%	n / n

Environmental Resource	Western Gulf Base Case/High Case	Central Gulf Base Case/High Case
Land Segment 10	n / 1%	n / n
Land Segment 12	n / n	n / 1%
Land Segment 13	n / n	1% / 1%
Land Segment 14	n / n	n / 1%
Land Segment 16	n / n	2% / 5%
Land Segment 17	n / n	n / 1%
Land Segment 19	n / n	1% / 2%

Note: n = < 0.5% probability

In the base case, the Louisiana coastal waters (now defined as the waters from the Louisiana shore to 3 miles seaward) have a 6-percent probability of contact with a large spill (\geq 1,000 bbl) due to activities in the central Gulf area. In the base case, the Texas coastal waters (now defined as the waters from the Texas shore to 9 miles seaward from the shore) have a 2-percent probability of contact with a large spill from activities in the western Gulf area. These are greater probabilities than have been found previously for a comparable amount of oil production and transport. Most of the increase can be attributed to a more pronounced coastal current off Louisiana and Texas than had been used in previous OSRA modeling; the present model ocean currents are believed to be more realistic. To a lesser extent, the increases associated with the coastal waters and with "Land" (total shoreline extent) are due to the increased geographic extent of these environmental resources, as explained previously in the section on "Environmental Resources."

The probabilities of spilled oil contacting "Land" (shorelines, including those of the barrier islands) are also higher in this OSRA than previously found. Again, use of the enhanced (more realistic) coastal current is believed to be the reason for the increased probabilities. In particular, Land Segments 5, 8, 12, 13, 14, 16, 17, and 19 along Texas and Louisiana have elevated probabilities of contact.

Survey Blocks 3-7, and a few other identified environmental resources have a 1- to 2-percent probability of contact in the base case. In general, the high case combined probabilities are somewhat larger than the base case combined probabilities, with a few more environmental resources being contacted.

For the cumulative case analysis, the combined probabilities of occurrence and contact from oil spilled during the tankering of crude petroleum imports into the Gulf were computed and presented in tables 12 and 13, together with the GW aggregate. The GW aggregate is the set of combined probabilities of contact from all three total planning areas considered together (i.e., $GW = WTPA + CTPA + ETPA$), as defined previously.

Most (70%) of the imported oil comes in through the Yucatan Channel and is then distributed along import routes (fig. 7) that are predominantly much farther offshore than the OCS oil resources. The import routes connect to fairway routes (fig. 8) that bring the

imported oil to receiving terminals. Oil spills from the fairways, which are closer to shore than the import routes, have relatively high conditional probabilities of contact with land. However, oil spills from the import routes, which not only are longer but also farther from shore than the fairways, have very low conditional probabilities of contact with land, even at 30 days (tables 2 to 4). Most of the oil-spill contacts with land occur near the major ports, as indicated by the combined probabilities.

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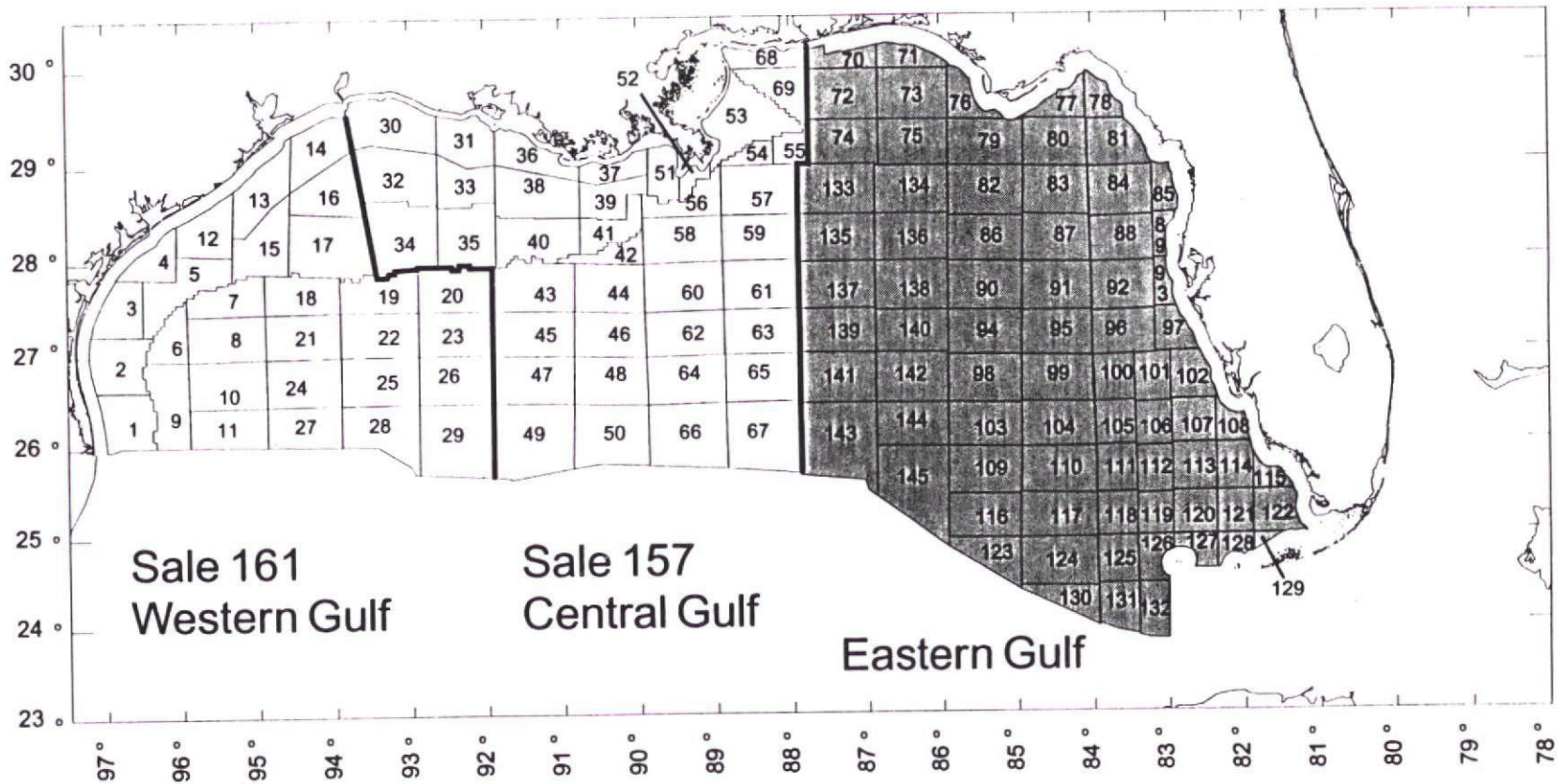


Figure 1. Central, Western, and Eastern Gulf of Mexico Planning Areas and 145 hypothetical spill sites for Gulf of Mexico OCS Lease Sales 157 and 161. Shaded areas in the Eastern Gulf are not included in the proposed lease sale.

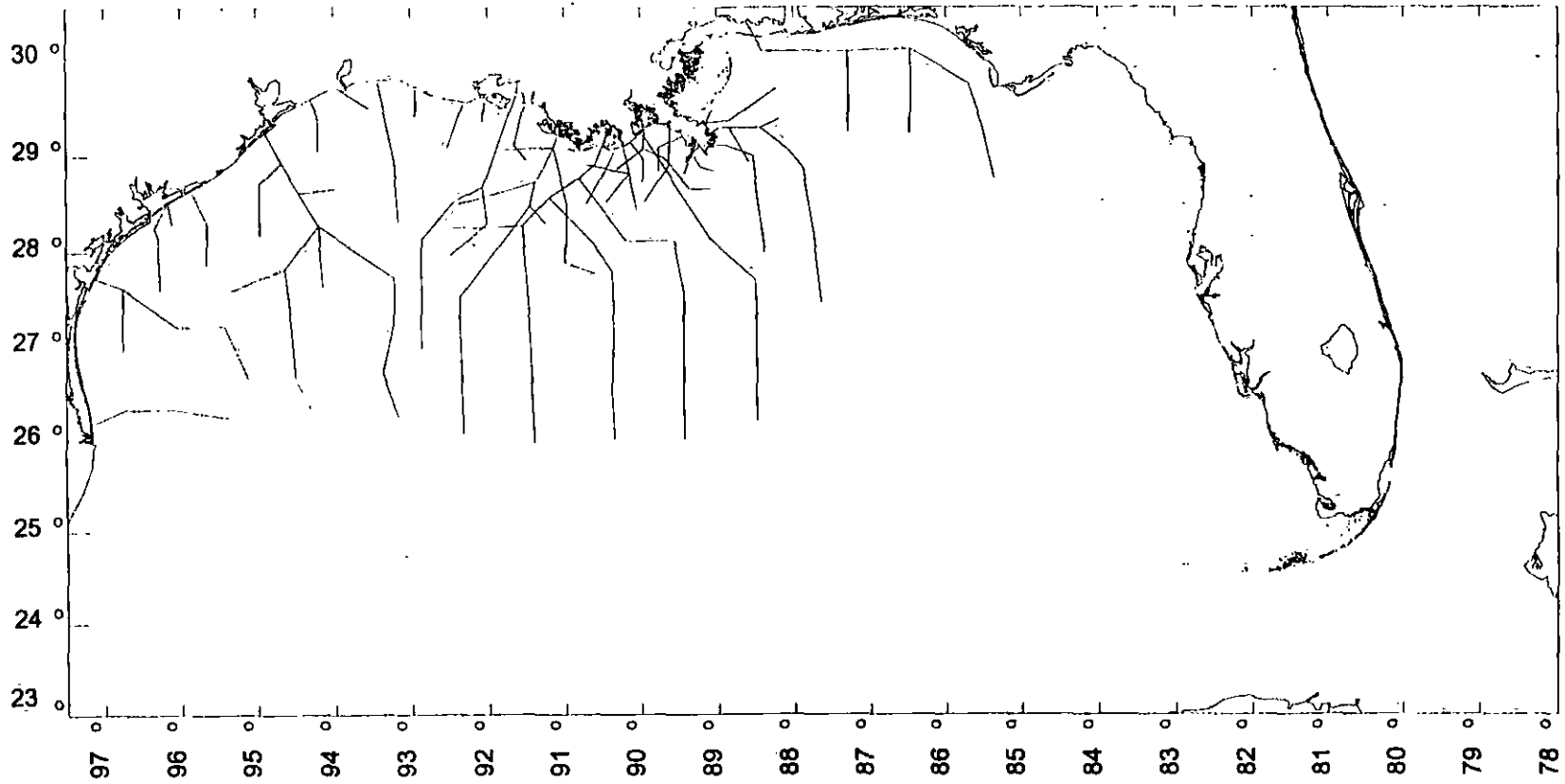


Figure 2. All the pipeline transportation route segments for Gulf of Mexico OCS Lease Sales 157 and 161.

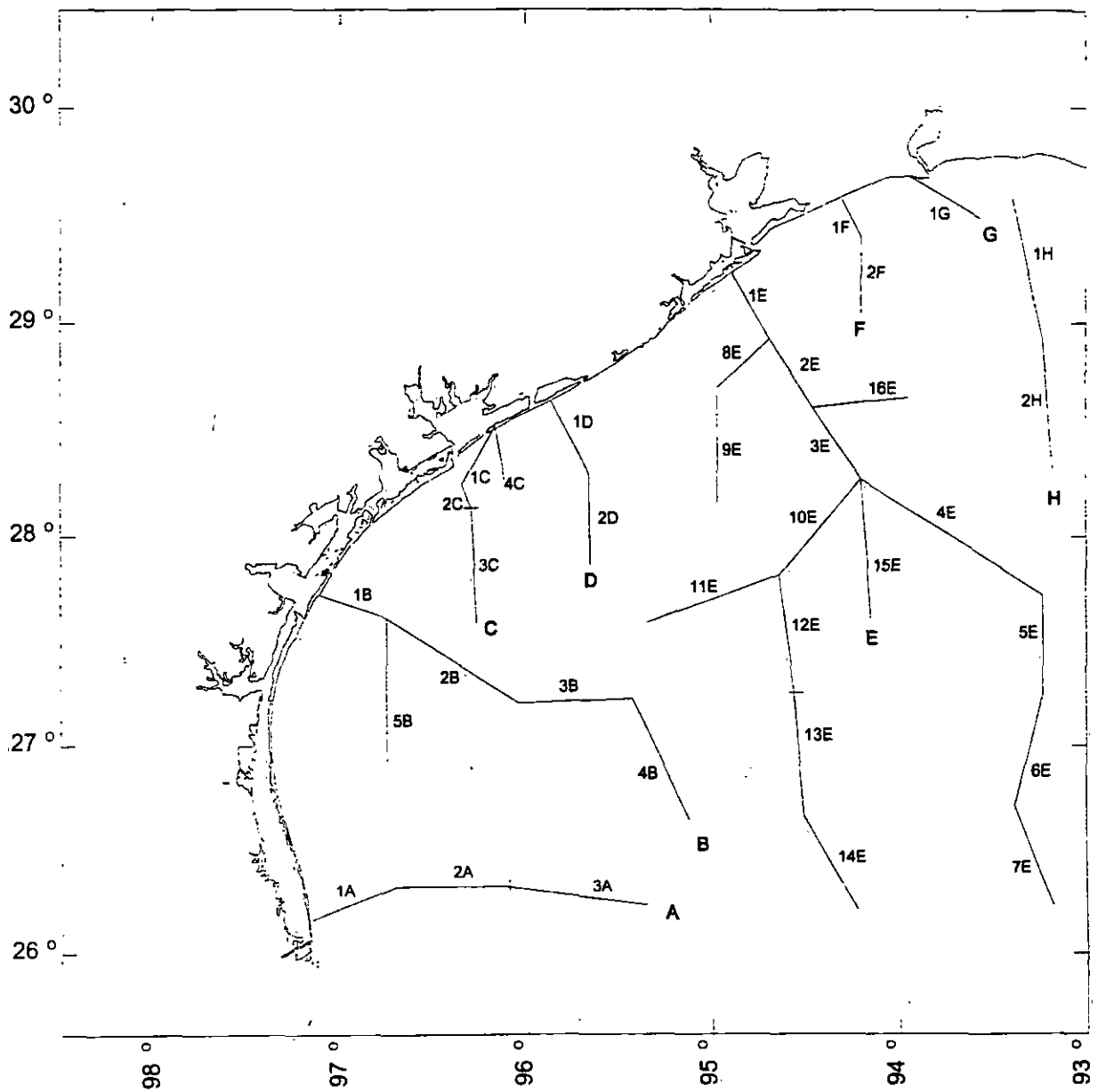


Figure 3. Pipeline route segments (A-H) for the western portion of Gulf of Mexico OCS Lease Sales 157 and 161.

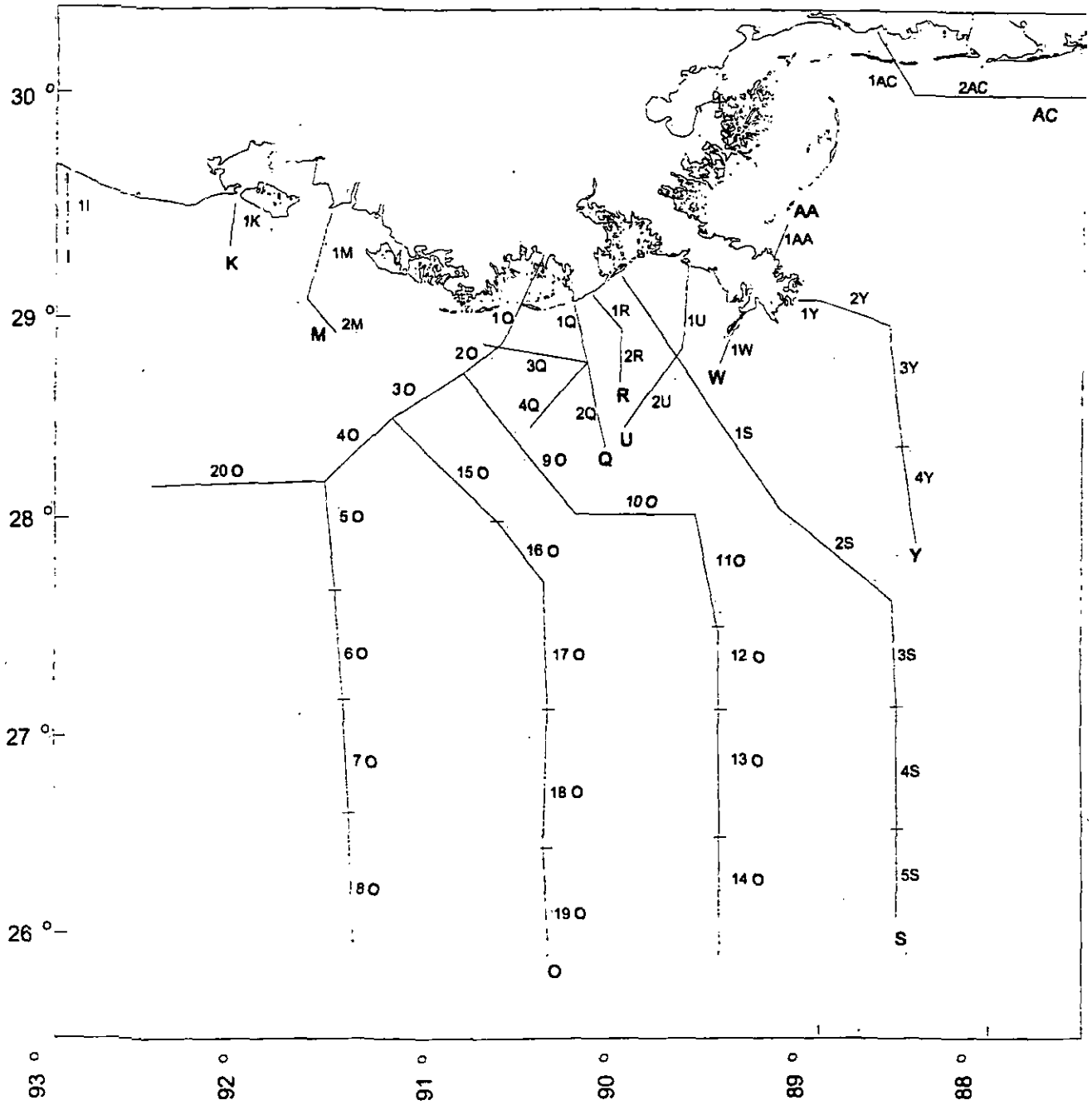


Figure 4. Pipeline route segments (I, K, M, O, Q, R, S, U, W, Y, AA, AC) for the central portion of Gulf of Mexico OCS Lease Sales 157 and 161.

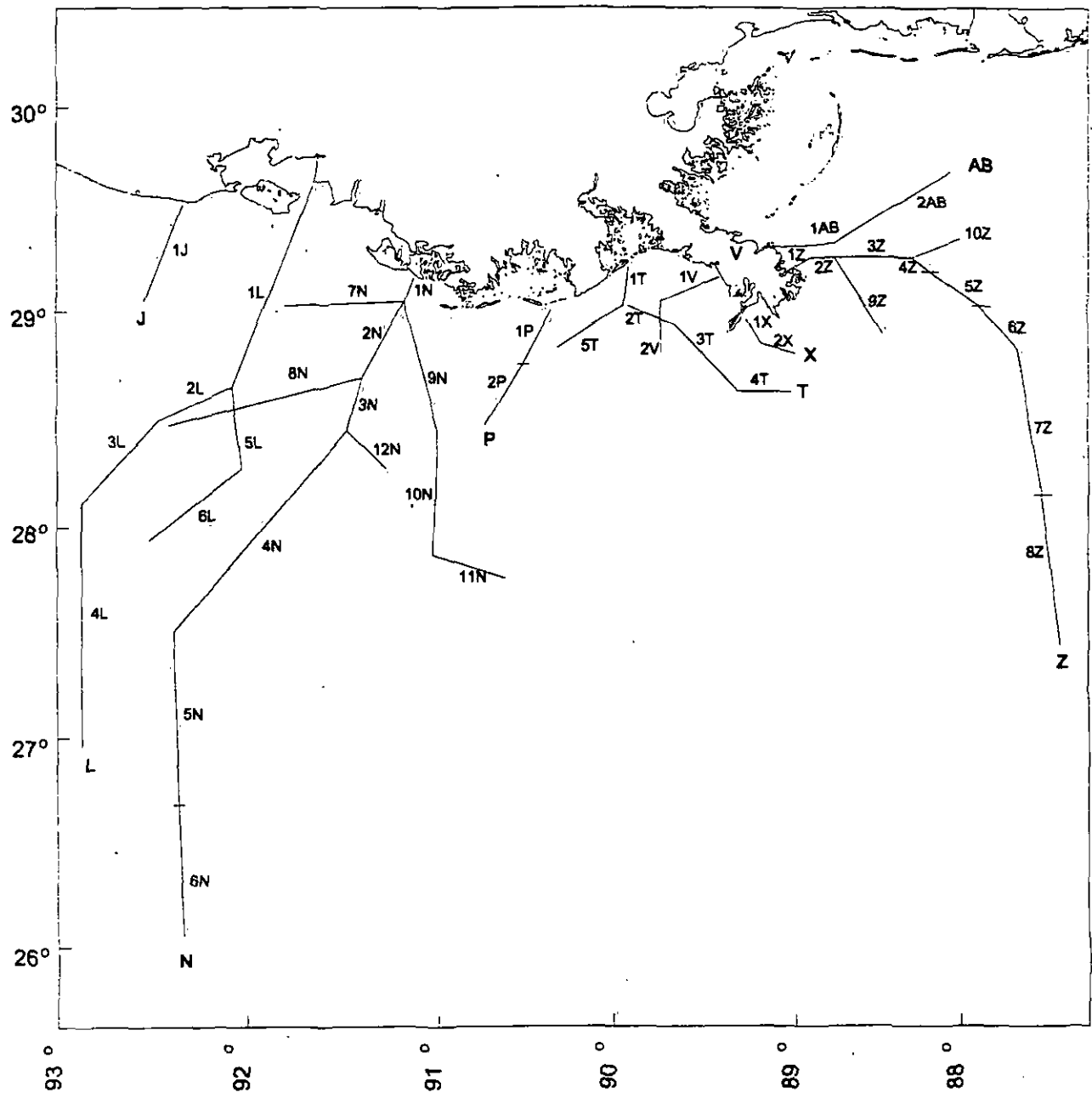


Figure 5. Pipeline route segments (J, L, N, P, T, V, X, Z, AB) for the central portion of Gulf of Mexico OCS Lease Sales 157 and 161

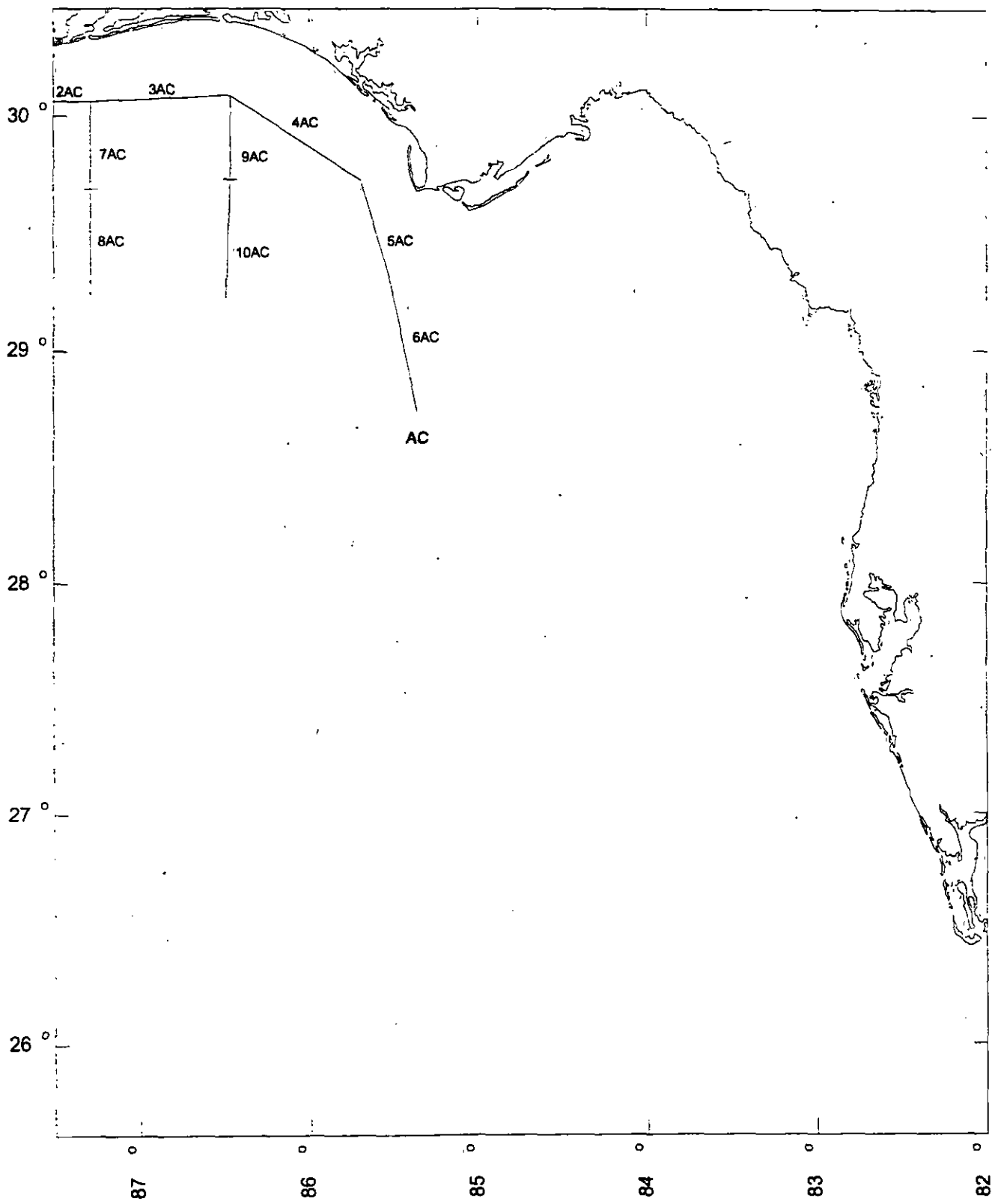


Figure 6. Pipeline route segments (AC) for the eastern portion of Gulf of Mexico OCS Lease Sales 157 and 161.

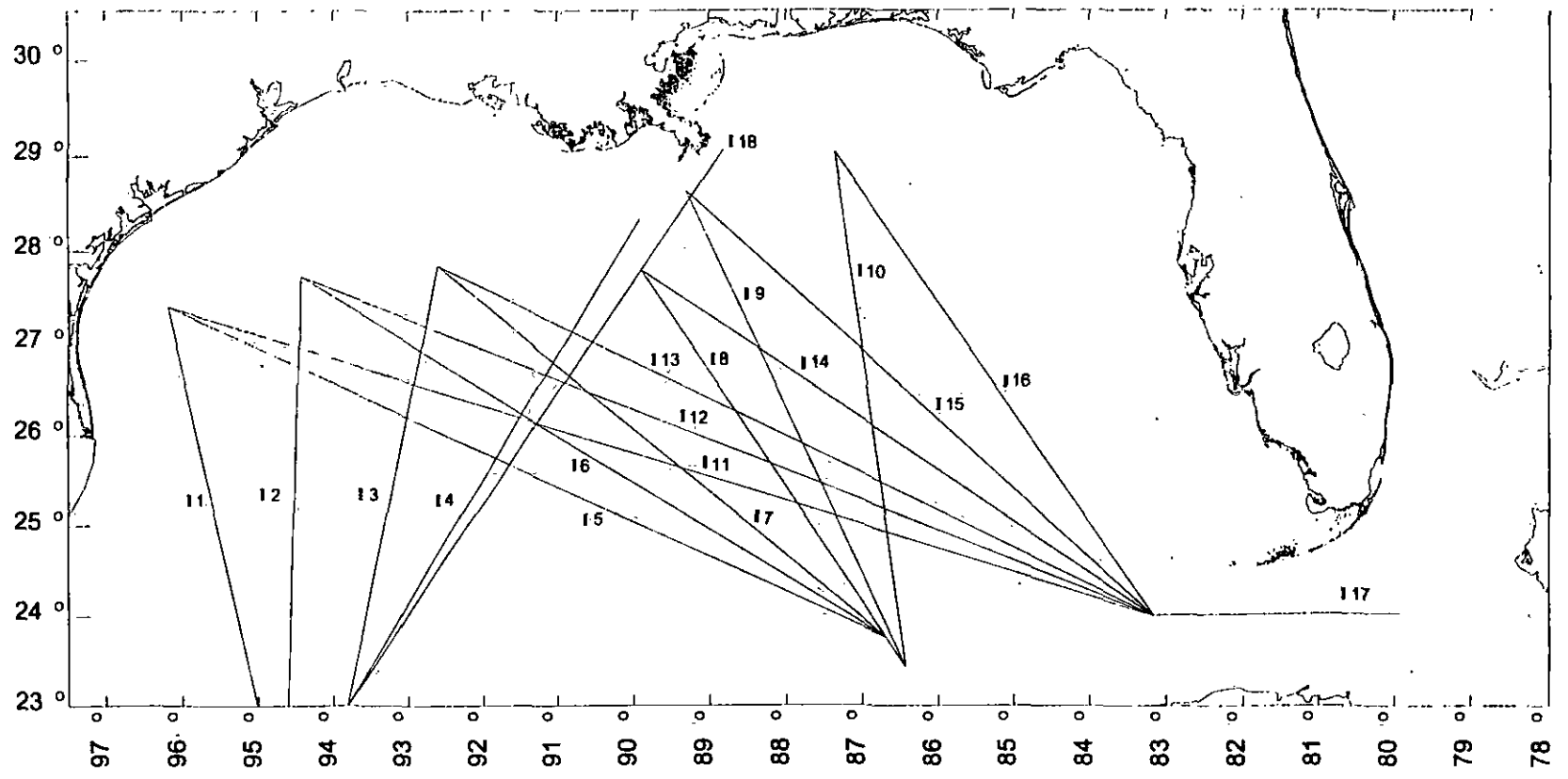


Figure 7. Import tanker route segments (I) for Gulf of Mexico OCS Lease Sales 157 and 161.

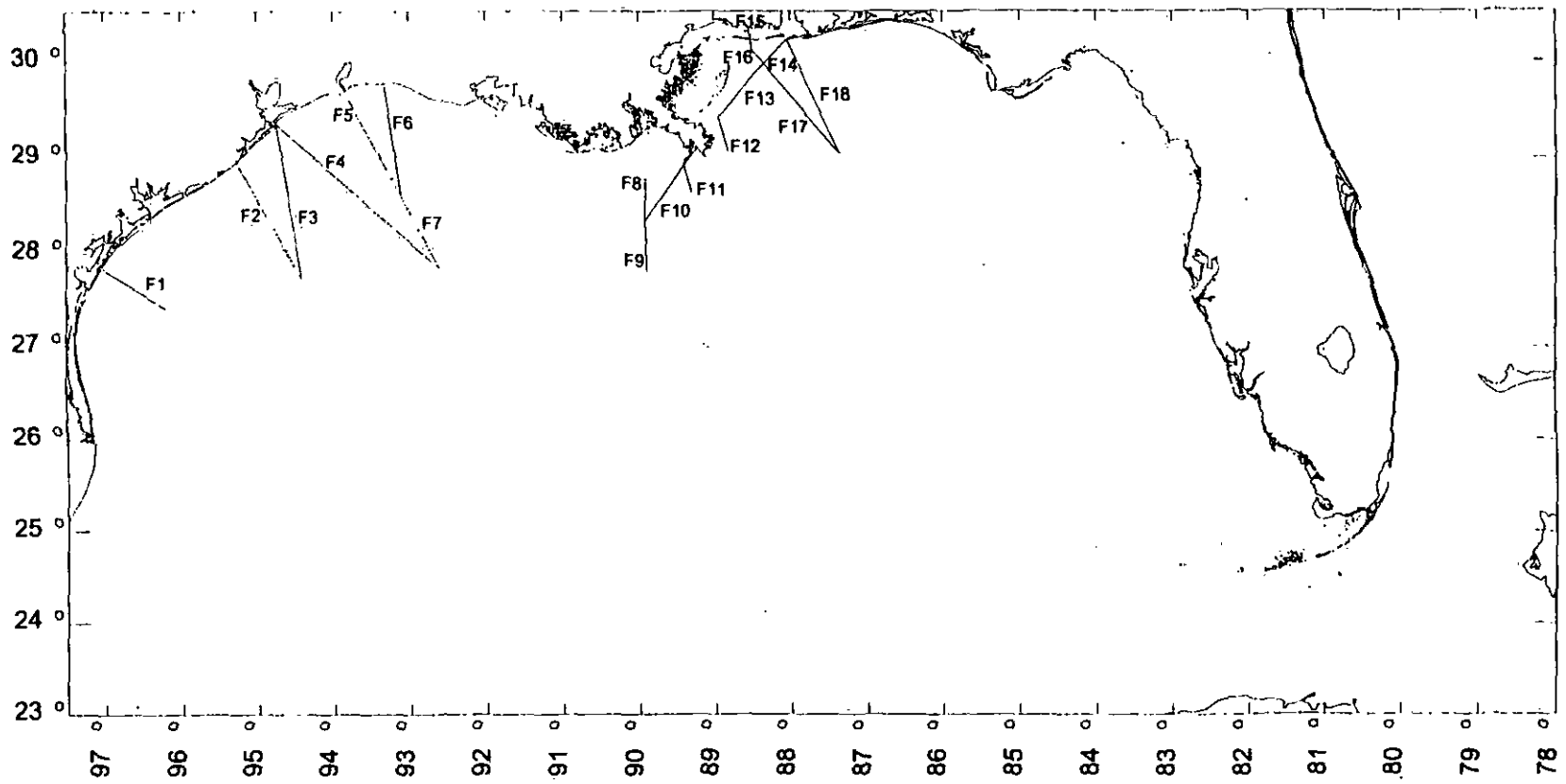


Figure 8. Fairway tanker route segments (F) for Gulf of Mexico OCS Lease Sales 157 and 161.

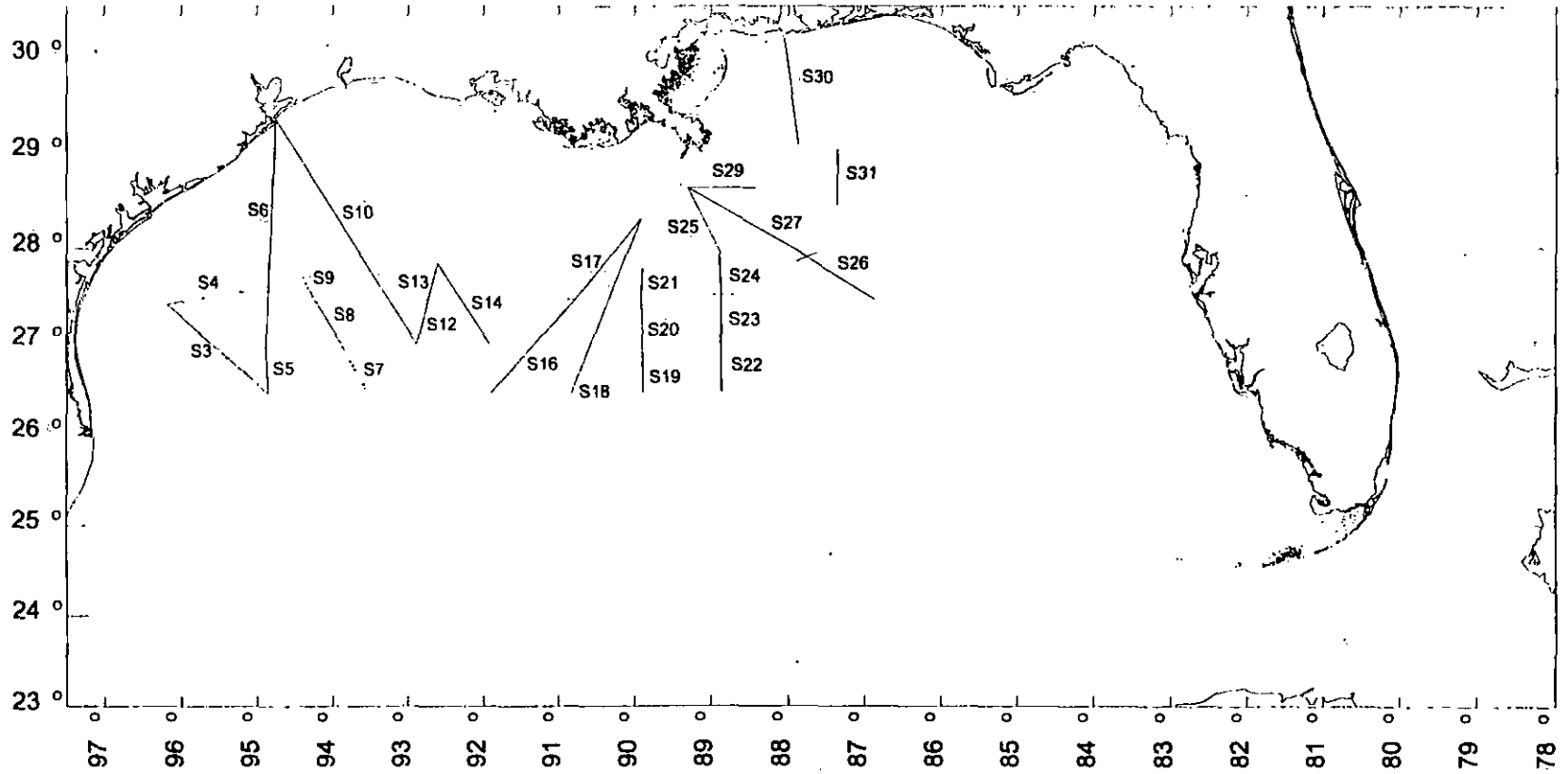


Figure 9. Shuttle tanker route segments (S) for Gulf of Mexico OCS Lease Sales 157 and 161.

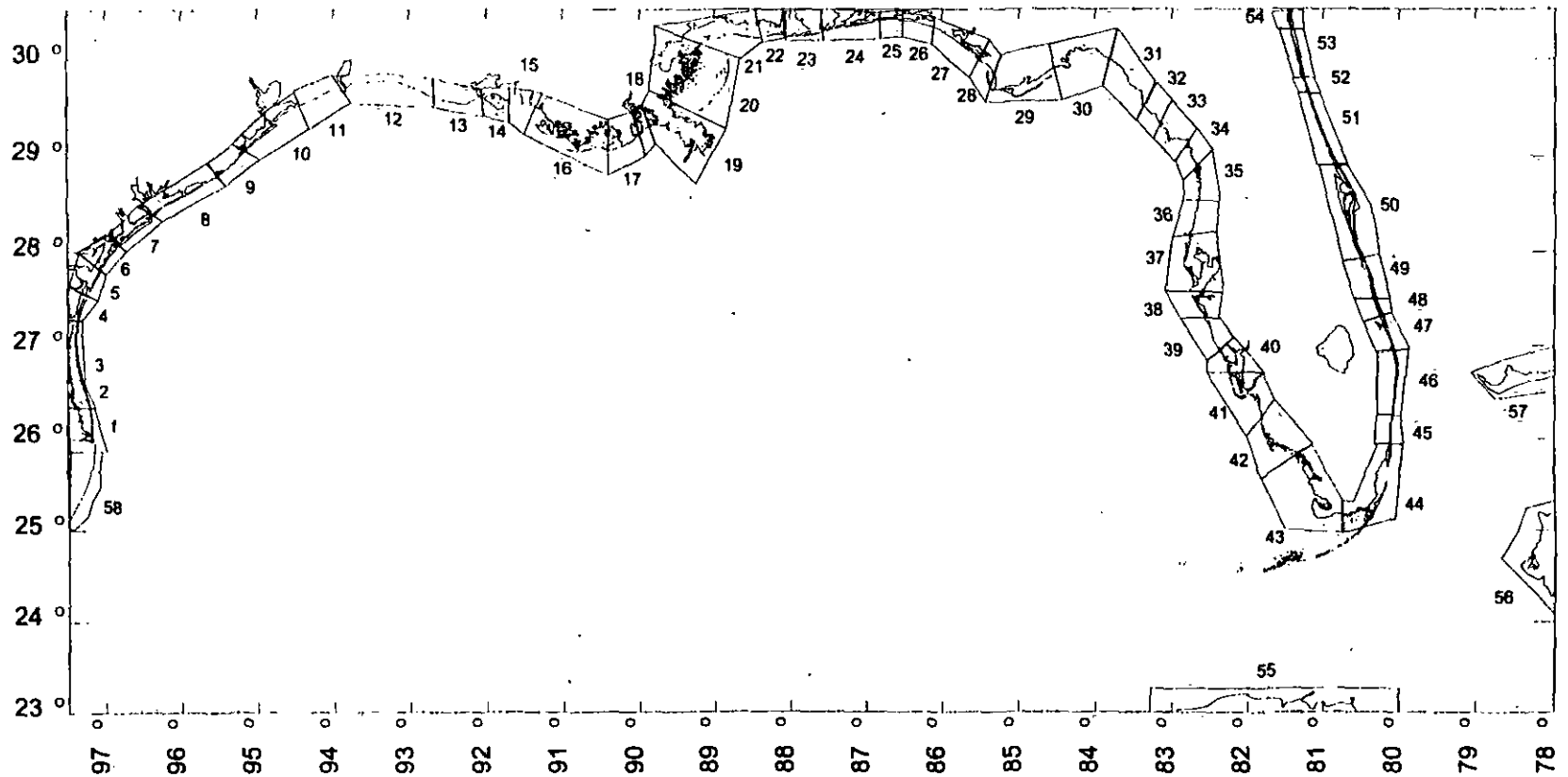


Figure 10. Division of the study area coastline into 58 land segments (representing county/parish boundaries) for Gulf of Mexico OCS Lease Sales 157 and 161. The environmental resource "Land" comprises all 58 land segments.

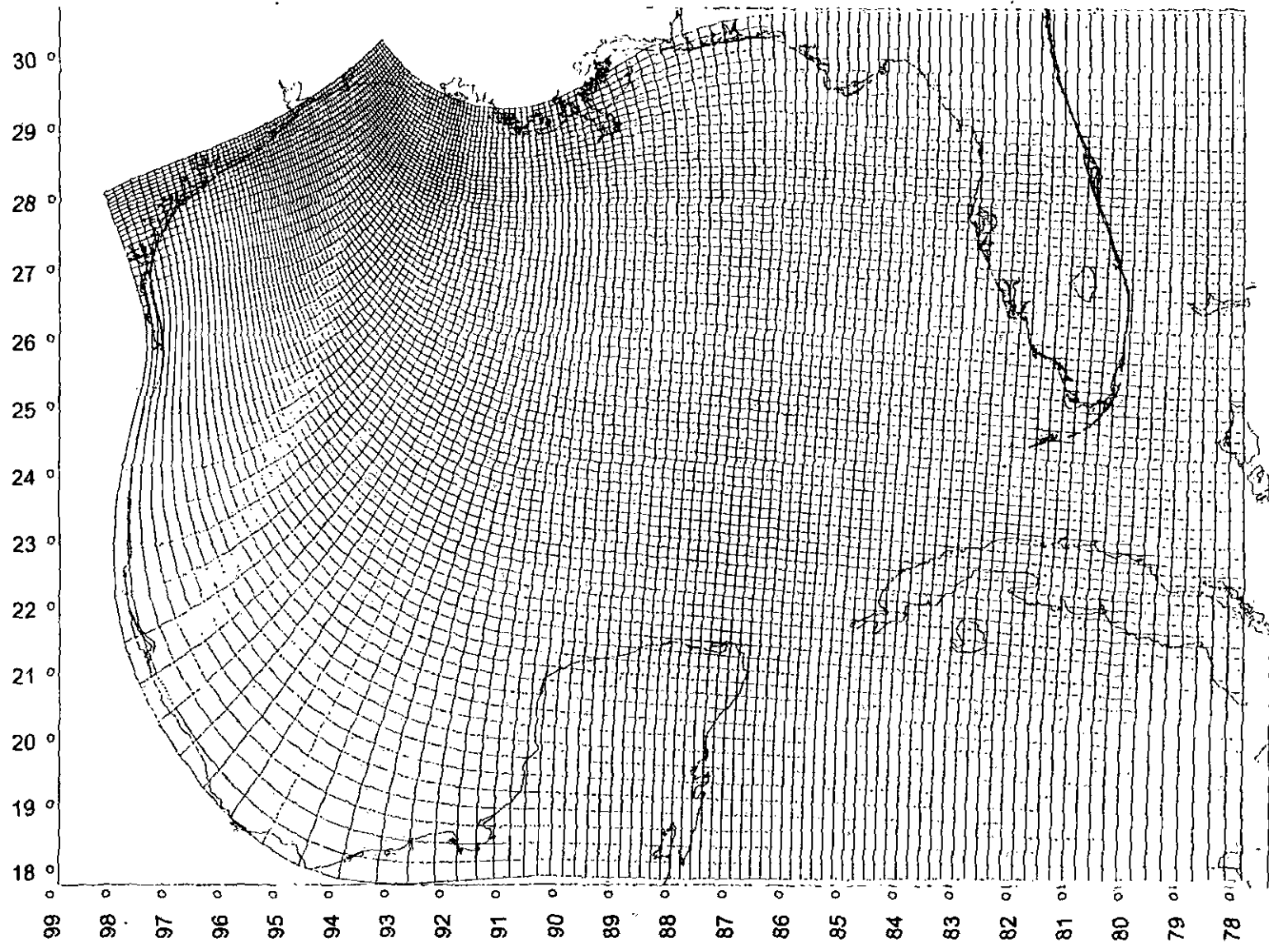


Figure 11. Computational grid used by Dynalysis of Princeton in the Mellor-Blumberg primitive equation model adapted to the Gulf of Mexico.

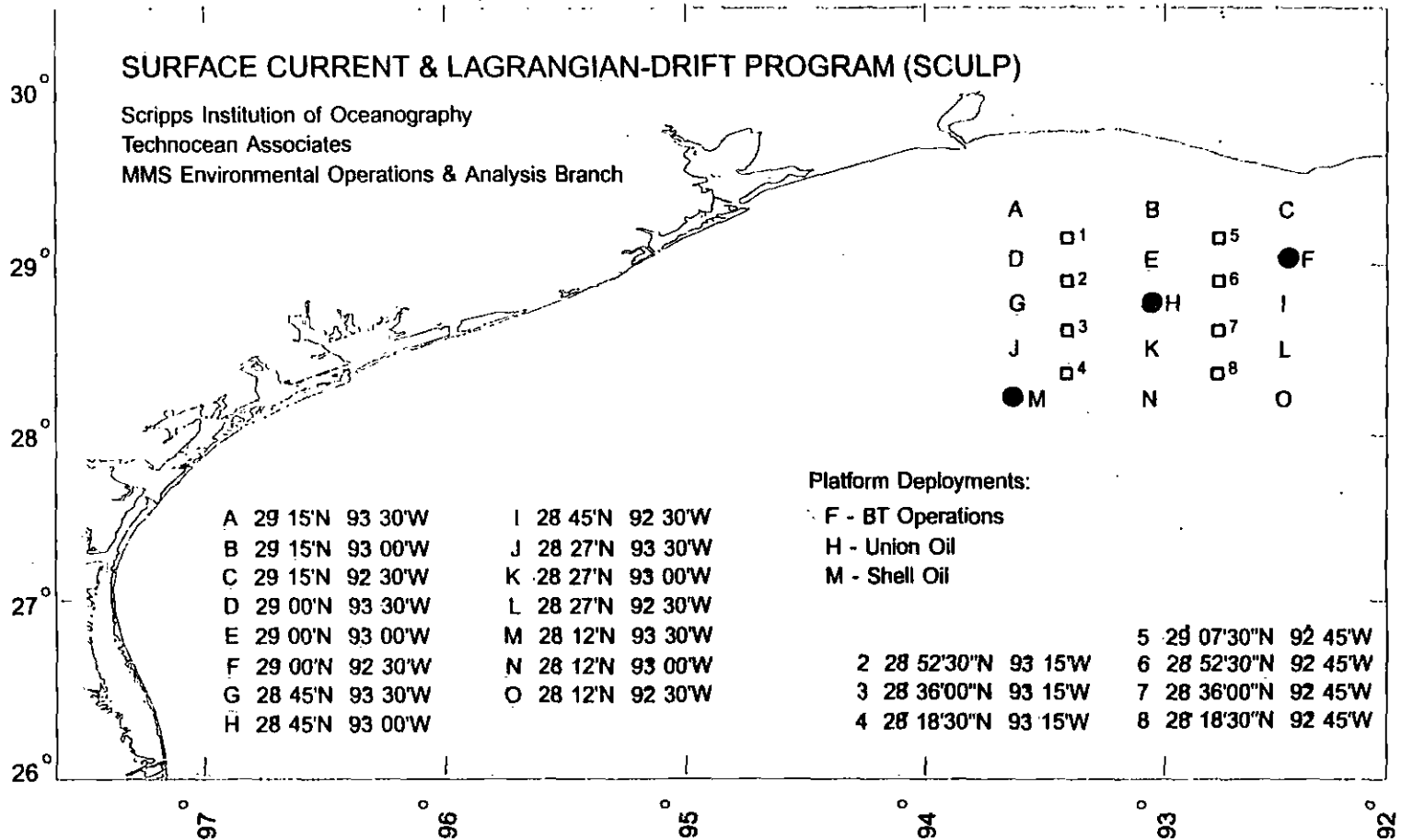


Figure 12. Deployment locations of the SCULP drifters. The letters designate the initial aircraft-deployment locations except for F, H, and M, which were offshore production platforms (filled dots). Buoys were deployed weekly from the platforms and monthly from other lettered stations. Additional aircraft deployments were made from the numbered locations (open boxes).

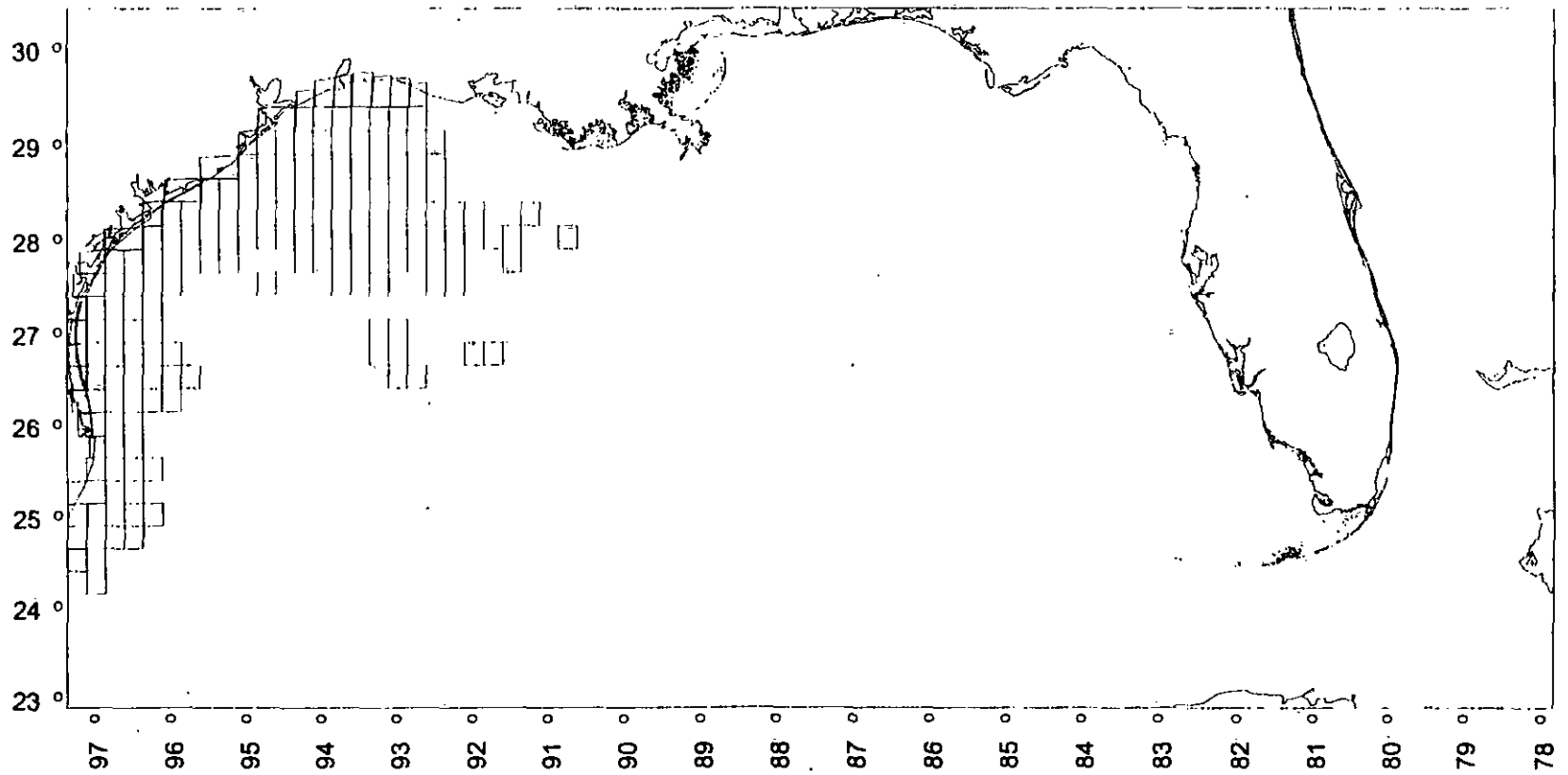


Figure 13. Boxes partitioning the trajectories of the SCULP drifting buoys. A quasi-Eulerian velocity field was created by averaging 25 (minimum) or more daily velocities of the trajectories occurring within a given box. The average velocities are regarded as the velocities of the surface ocean at the centers of the respective boxes.

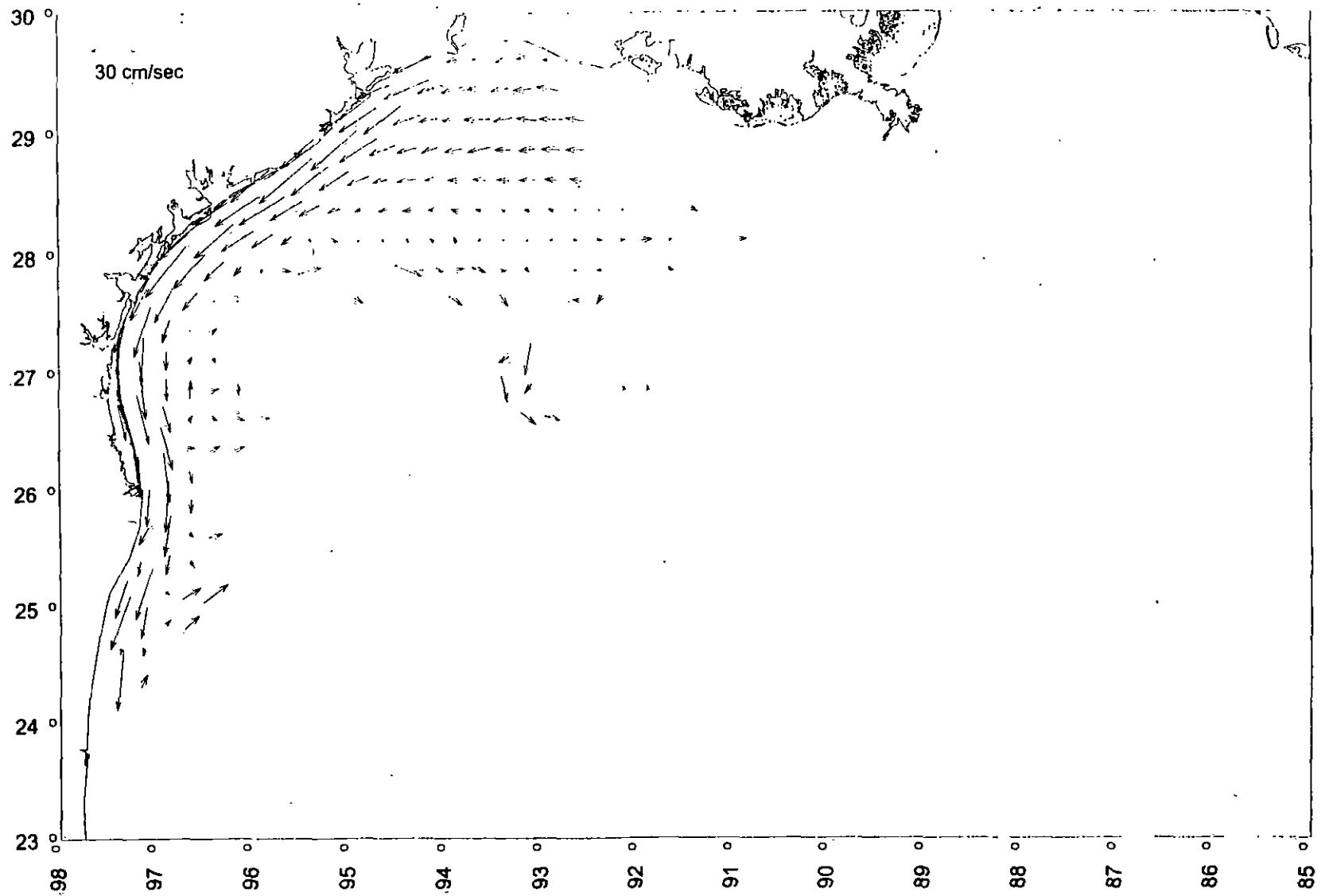


Figure 14. Mean quasi-Eulerian velocity field produced by averaging all the SCULP drifting buoy velocities within their respective boxes over the time period October 15, 1993, through May 15, 1994. The velocity scale is in the upper left corner.

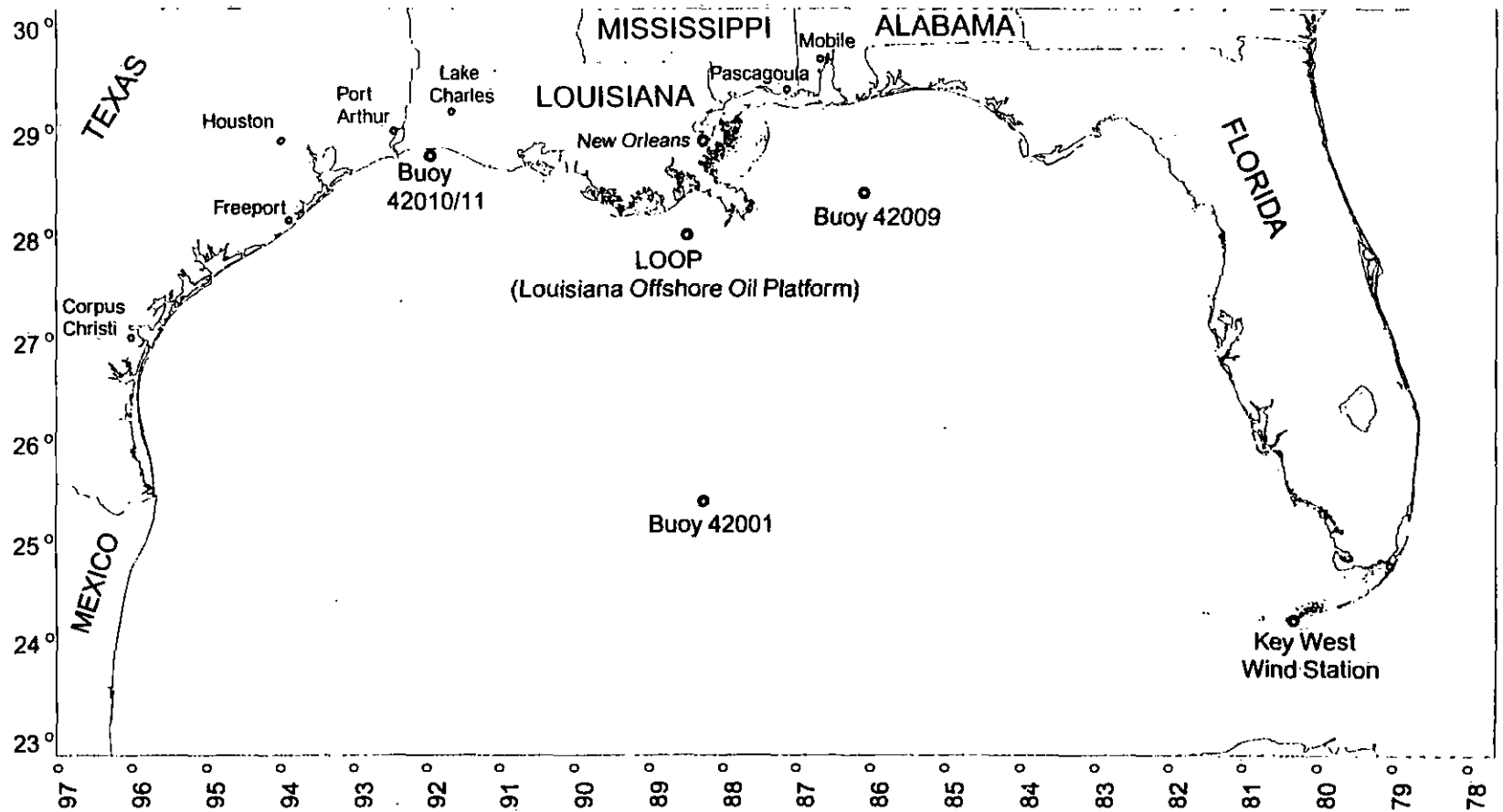
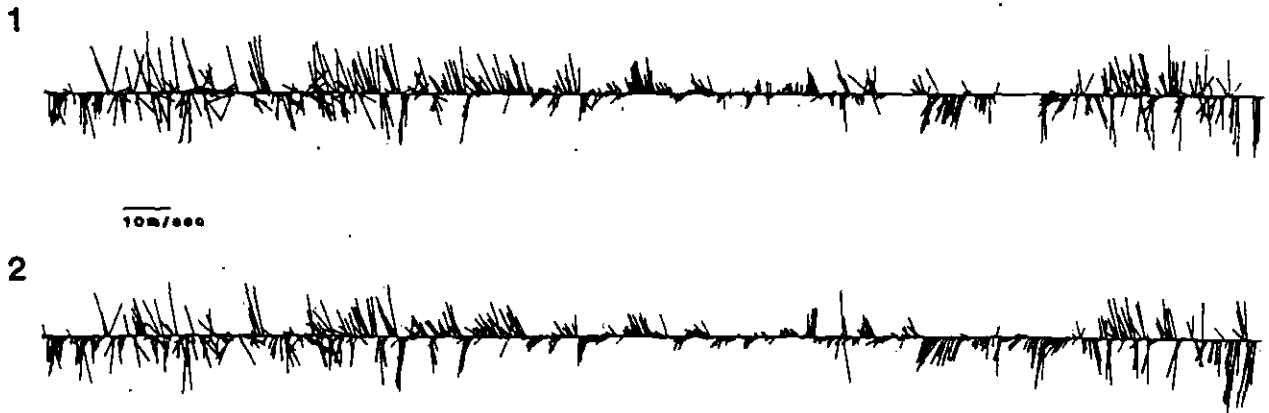


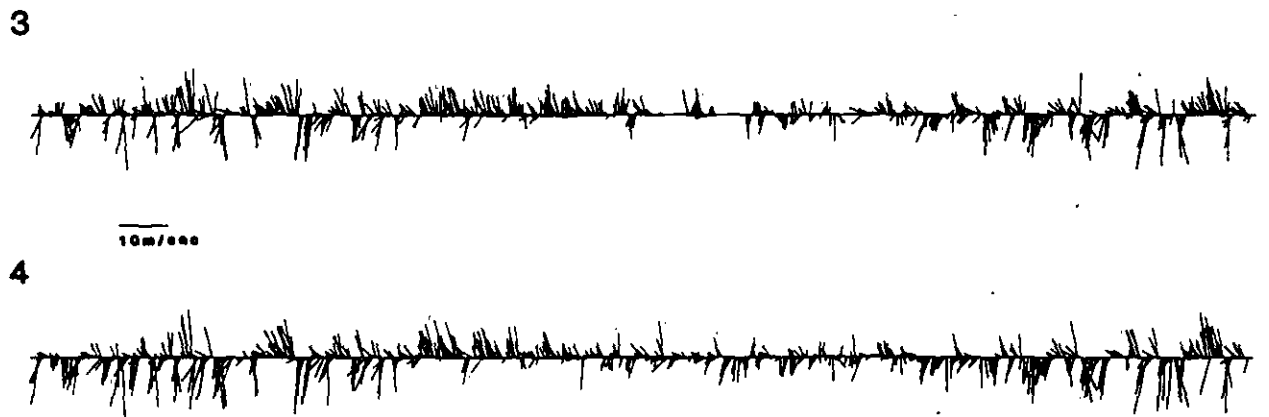
Figure 15. Gulf of Mexico ports handling crude petroleum. The "Mississippi River" ports include New Orleans, Baton Rouge, and other smaller port towns along the lower Mississippi River. Also shown are the locations of moored meteorological buoys operated by the NDBC and a wind station on Key West.

BUDY 42001 FOR: C: 42001.83



FNOC FOR: C: FNOC.83

BUOY 42001 FOR: C: 42001.90



FNOC FOR: C: FNOC.90

Figure 16. Wind velocities in 1983 and 1990 at the moored NDBC Buoy 42001 (lines 1 and 3) and from the NCGW field (lines 2 and 4) every 12 hours beginning at the left. North is up, east is to the right, and time increases from left to right

Table 1. Oil-spill occurrence probability estimates for spills greater than or equal to 1,000 barrels resulting over the assumed production life of the proposed action (base case and high case), total planning actions, and Gulfwide, and from tankering of crude oil imports into the study area, Gulf of Mexico OCS Lease Sales 157 and 161

Source	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	Tankers		Platforms	Pipelines	Tankers	
Proposed Action:									
<u>Base Case</u>									
Western Gulf	(0.04)	0.02	0.05	0.00	0.07	2	5	0	7
Central Gulf	(0.11)	0.05	0.14	0.00	0.19	5	13	0	18
<u>High Case</u>									
Western Gulf	(0.10)	0.04	0.13	0.00	0.18	4	12	0	16
Central Gulf	(0.24)	0.11	0.32	0.00	0.42	10	27	0	35
Total Planning Actions:									
Western Gulf	(1.18)	0.53	1.33	0.09	1.94	41	73	8	86
Central Gulf	(4.73)	2.12	5.67	0.21	8.00	88	99+	19	99+
Eastern Gulf	(0.03)	0.01	0.04	0.00	0.05	1	4	0	5
Gulfwide	(5.94)	2.66	7.04	0.03	10.00	93	99+	26	99+
Tankering of Crude Oil Imports	(67.00)	-	-	17.09	17.09	-	-	99+	99+

Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
Land	14	17	40	52	5	n	n	n	n	n	n	31	28	28	n	1	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	14	23	n	1	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	22	2	n	n	n	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	5	8	n	n	n	n	n	n
Tex. Coastal Waters	24	31	61	76	12	n	n	n	n	n	n	57	54	53	3	4	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
Land	n	n	n	n	31	27	n	1	n	n	28	33	2	4	n	n	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	2	33	n	8	n	1	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	16	n	1	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	30	n	3	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	13	1	47	n	10	13	6	34	3	4	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	14	n	22	n	10	1	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	34	n	14	n	1	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	13	68	1	50	n	5	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	8	31	26	39	3	8	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	9	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	46	47	1	3	n	n	60	67	7	14	n	2	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75	
Land	30	32	36	8	n	6	2	n	n	n	n	n	n	n	n	n	n	49	17	32	26	3	3	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	31	6	9	n	2	n	n	n
Timbalier Bay	8	1	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	47	8	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	34	6	n	n	n	n	n	n
Caminada Headland	23	6	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	39	47	n	2	n	12	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Char/Bret Coast. Barr	n	1	51	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	19	15	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	37	77	17	1	6	7	n	n	n	n	n	n	n	n	n	n	n	3	2	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	44	16	n	n	n	14	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	1	37	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	47	n
Survey Block 2	n	1	n	23	37	n	34	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n
Survey Block 3	n	8	1	20	5	30	50	2	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	1	11	n	2	n	62	14	43	4	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	1	1	n	n	n	9	n	50	1	17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	1	n	5	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	63	62	75	16	n	17	4	1	n	n	n	n	n	n	n	n	n	n	12	12	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	34	6	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	39	8	28	n	3	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	48	68	6	12	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	17	30	22	5	5	6	n	n	1	13	n	n	n	7	n	n	n	11	n	n	n	6	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminda Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	26	96	n	2	73	n	n	41	**	n	n	15	98	n	n	4	20	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	25	4	n	n	12	3	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	57	70	68	18	17	34	n	n	10	69	n	n	2	47	n	n	2	50	n	n	n	34	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																										
	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	
Land	n	5	n	n	n	n	1	11	n	n	n	n	n	1	6	n	n	n	n	n	n	n	1	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	17	6	n	n	3	n	1	23	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	30	n	n	n	n	7	59	n	n	n	n	n	15	65	n	n	n	n	n	n	n	26	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	22	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	16	6	n	n	n	n	1	17	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																		
	E126E127E128E129E130E131E132E133E134E135E136E137E138E139E140E141E142E143E144E145																		
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timballer Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Char/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	25	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	53	13	6	7	n	1	14	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	49	12	3	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Land	38	13	17	10	10	14	n	3	n	12	27	25	25	46	79	37	3	12
Galveston Bay	n	1	19	14	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	50	1	2	2	16
Timbalier Bay	n	n	n	n	n	n	n	8	n	6	3	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	10	19	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	4	20	67	39	2	1
Caminada Headland	n	n	n	n	n	n	n	6	n	13	12	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	19	53	4	n	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	20	32	7	9	22	2	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	96	19	n	1	2	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	30	2	30	29	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	34	28
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	7
Survey Block 3	n	n	n	n	n	n	n	n	n	n	1	7	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	2	4	3	11	3	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	8	92	9	2	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	3	30	3	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	1	3	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	53	26	29	17	14	2	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	16	21	n	13	n	33	62	50	37	5	6	15	1	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	4	18	**	43	2	1
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	1	58	4	8	3	17
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
Land	n	n	n	14	n	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	4	9	n				
Galveston Bay	n	n	n	13	n	n	n	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14	n				
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	2	n	n				
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n				
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n				
W.Plaquemines C.Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	3	10	n	n				
Chan/Bret Coast.Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n				
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	4	n	2	5	n	n				
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	26	27				
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	15	3				
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	15	59	1	n				
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	1	64	n	32	58	n	n				
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	20	19	n	2	31	n	n	n	10	n	2	2	n	n				
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	65	36	n	2	21	n	n	n	n	n	n	n	n	n				
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	6	42	9	n	n	1	n	n	n	n	n	n	n	n				
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Flower Garden NMS	n	n	n	n	n	n	n	2	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tex. Coastal Waters	n	n	n	20	n	n	n	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	3	12	1	n				
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n				
Aia. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	16	n			
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E	
Land	43	1	n	79	5	n	n	13	93	75	24	82	63	8	61	9	n	n	n	n	n	22	4	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	61	5	n	n	n	n	n	n	5	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	28	41	11	22	9	2	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	7	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timballer Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20	1	n	n	n	n	n	n	n
Tex. Coastal Waters	65	3	n	93	14	n	n	31	**	97	46	97	84	20	84	23	1	n	n	n	n	47	14	n	n	
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
Land	n	n	n	n	n	76	27	63	21	n	43	31	54	29	n	n	n	n	n	42	11	53	10	n	n
Galveston Bay	n	n	n	n	1	26	31	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Char/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	2	2	24	38	2	n	29	3	5	26	8	31	34	3
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	2	98	54	44	5	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	68	29	n	68	51	82	37	n	n	n	n	n	76	28	93	26	3	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
Land	n	n	16	n	8	n	n	n	57	12	2	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	61	10	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	17	38	24	2	n	9	4	21	28	14	1	n	n	n	6	n	n	n	n	n	n	6	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	17	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	84	43	1	n	n	n	n	3	2
Survey Block 6	n	n	n	n	n	1	13	n	n	n	n	n	n	n	n	n	17	48	3	n	n	n	n	4	70	42
Survey Block 7	n	n	n	n	n	26	**	1	n	n	n	n	1	1	n	n	4	5	n	n	n	n	n	10	77	21
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	38	1	19	n	n	n	52	28	7	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
Land	n	n	n	23	3	34	3	15	4	58	21	22	n	n	n	n	78	46	21	6	35	48	12	57	39
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aranas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	48	3	37	8	22	8	13	23	4	n	n	n	n	3	6	7	1	30	4	12	3	10
Barataria Bay	n	n	n	n	n	1	n	n	n	30	7	29	n	n	n	n	95	65	30	8	14	76	9	95	52
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	5	n	54	1	1	n	90	33	17	n	n	n	n	45	40	23	5	55	20	18	15	37
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	3	1	11	n	n	n	n	6	24	18	21	1	64	3	81	22
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n
W. Winter Menhaden	n	n	8	8	9	3	n	9	1	1	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	26	40	11	24	16	50	23	n	n	n	n	3	41	43	18	22	44	42	48	50
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	7	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	34	8	n	n	n	n	n	n	4	89	n	n	1	n
Survey Block 5	n	n	n	n	n	n	2	n	n	n	n	9	3	n	n	n	n	n	n	1	5	n	n	2	n
Survey Block 6	1	n	n	n	n	n	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
Survey Block 7	n	n	n	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	64	9	73	12	37	13	85	47	38	n	n	n	n	97	75	47	26	68	79	31	80	68
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
Land	39	69	32	56	13	1	n	65	30	8	1	1	n	n	n	12	1	55	53	9	75	34	18	13	8
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	26	n	n
Timbalier Bay	4	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	28	3	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	67	9	n	n
Caminada Headland	16	4	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr	87	96	63	8	9	3	n	n	2	1	n	n	n	n	n	6	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr	n	n	n	4	4	n	n	16	23	6	n	n	n	n	n	5	1	43	25	9	9	3	n	n	n
E.Deltaic Plain Marsh.	n	6	12	**	48	9	n	**	99	22	6	3	1	n	n	44	3	**	96	14	1	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	34	10	19	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	2	7	75	10	n	n	4	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	1	10	28	n	n	n	8	37	**	83	10	n	7	23	n	n	2	n	n	n	n	n
Survey Block 3	n	2	5	5	66	70	4	n	2	9	15	22	16	1	n	52	7	n	n	2	n	n	n	n	
Survey Block 4	1	4	26	3	10	12	1	n	1	2	1	1	n	n	9	n	n	n	n	n	n	n	n	n	n
Survey Block 5	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	93	93	63	92	24	4	n	90	55	16	3	1	n	n	n	23	2	91	77	15	6	2	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	94	9	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	6	40	4	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	47	39	29
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
Land	1	8	n	5	n
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	n	1	n	n	n
Timbalier Bay	n	n	n	n	n
Barataria Bay	n	n	n	n	n
Mississippi Sound	n	n	n	n	n
Caminada Headland	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n
Survey Block 1	n	1	25	n	n
Survey Block 2	n	n	2	n	n
Survey Block 3	n	n	n	n	n
Survey Block 4	n	n	n	n	n
Survey Block 5	n	n	n	n	n
Survey Block 6	n	n	n	n	n
Survey Block 7	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n
Ala. Coastal Waters	n	7	n	n	n
Fla. Coastal Waters	3	18	n	20	1
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

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Table 2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	2
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	1
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	2	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	4
Survey Block 4	n	n	n	n	n	n	n	n	9	n	n	n	n	n	6	n	n	13
Survey Block 5	n	n	n	5	n	n	n	2	1	n	n	n	n	2	1	n	n	10
Survey Block 6	n	n	n	13	n	n	n	1	n	n	n	n	n	1	n	n	n	3
Survey Block 7	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	13	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	3
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n

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Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																									
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25	
Land	57	74	90	93	59	34	16	5	17	2	1	82	76	75	32	36	12	3	n	n	n	n	n	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	2	19	37	3	17	4	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	26	12	4	4	1	n	n	n	20	10	2	6	2	n	1	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	20	3	1	n	n	1	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Char/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E-Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	1	2	n	n	n	n	n	n	1	n	12	13	18	2	6	7	1	1	1	1
Tex. Coastal Waters	54	81	95	97	68	41	21	7	20	2	1	89	86	85	42	50	17	5	1	n	1	n	n	n	n	
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	2	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
Land	n	n	n	n	71	59	27	20	4	5	59	60	27	26	8	12	6	1	2	n	n	n	n	n	n
Galveston Bay	n	n	n	n	10	1	11	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	3	37	1	14	n	7	5	n	2	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	17	n	1	n	1	1	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	32	n	5	n	2	3	n	1	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	1	1	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	13	1	47	n	16	18	18	41	21	18	11	3	3	1	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	14	n	23	n	15	9	n	2	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	3	8	n	6	n	2	n	1	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1	12	40	1	27	n	11	n	4	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	3	21	72	6	61	3	26	1	11	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	1	5	10	15	39	32	51	14	30	5	13	n	3
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	32	7	27	4	7	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	62	70	14	26	1	7	78	81	38	40	12	20	12	2	4	n	1	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75	
Land	62	58	73	41	21	32	16	12	3	2	n	n	n	n	n	n	n	81	60	63	63	27	28	6	6	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	1	3	6	n	n	n	n	n	n	n	n	n	n	n	n	34	15	16	1	9	1	2	n	
Timbalier Bay	15	7	n	1	n	12	2	6	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Barataria Bay	51	14	n	1	n	13	4	7	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mississippi Sound	n	n	4	5	3	n	n	n	n	n	n	n	n	n	n	n	n	42	18	3	n	2	n	n	n	
Caminada Headland	30	13	n	2	n	14	4	6	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W.Plaquemes C.Barr	44	50	1	6	4	22	14	7	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	
Chan/Bret Coast.Barr	n	5	60	23	7	1	3	n	n	n	n	n	n	n	n	n	n	31	34	4	n	2	n	2	n	
E.Deltaic Plain Marsh.	n	38	81	34	13	8	19	1	3	n	n	n	n	n	n	n	n	9	14	2	n	2	n	4	n	
W. Winter Menhaden	12	5	n	n	n	5	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
C. Winter Menhaden	46	23	n	4	2	26	6	14	2	3	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	1	5	43	n	9	n	1	n	n	n	n	n	n	n	n	1	3	2	1	16	4	64	10	
Survey Block 2	n	3	2	28	47	1	42	n	7	n	1	n	n	n	n	n	n	1	3	1	n	6	1	30	3	
Survey Block 3	1	11	2	26	21	32	70	7	22	1	3	n	n	n	n	n	n	n	1	n	n	2	n	13	1	
Survey Block 4	3	13	1	9	7	66	39	54	25	22	8	4	2	n	n	n	n	n	1	n	n	n	n	3	n	
Survey Block 5	2	3	n	1	n	14	7	60	10	39	5	14	2	3	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 6	1	1	n	n	n	5	2	16	3	16	1	9	n	3	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 7	n	1	n	n	n	3	1	6	n	6	n	3	n	1	n	n	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	5	n	n	n	n	n	n	n	n	n	
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
La. Coastal Waters	79	77	84	42	15	47	25	20	5	5	1	1	n	n	n	n	n	25	34	4	n	3	n	4	n	
Miss. Coastal Waters	n	n	5	5	3	n	n	n	n	n	n	n	n	n	n	n	n	42	17	3	n	2	n	1	n	
Ala. Coastal Waters	n	n	1	5	11	n	n	n	n	n	n	n	n	n	n	n	n	45	22	40	4	18	2	3	1	
Fla. Coastal Waters	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	1	3	57	82	22	39	3	12	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	3	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	50	67	74	25	34	47	4	9	22	46	n	1	8	28	n	n	3	22	n	n	2	18	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	29	96	n	11	80	n	8	59	**	n	3	35	99	n	1	18	36	n	n	6	14	n	n	n
Florida Middle Grounds	n	n	n	n	1	2	3	30	13	3	2	23	15	4	1	4	7	2	n	n	2	1	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	73	90	92	40	55	73	9	19	41	82	1	3	20	65	n	n	10	59	n	n	5	44	n	n	1
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125
Land	3	18	n	n	n	1	9	28	n	n	n	n	3	13	23	1	5	1	n	1	5	12	2	9	9
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	3	5	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	1	1	4	n	n	n	12	11	22	10	1	n	n	31	47	52	37	9	3	7	19	32	58
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	8	43	n	n	n	3	19	67	1	1	n	1	7	32	73	6	13	4	1	3	13	44	8	22	20
Florida Bay Seagrass	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	3	7	3	1	n	n	23	6	12	12
Dry Tortugas	n	n	n	n	3	n	n	n	4	6	17	9	1	n	n	8	14	36	32	8	2	1	1	3	21

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Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
Land	2	1	2	4	4	17	20	2	1	1	n	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	2	n	1	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	4	n	1	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	46	13	10	8	1	2	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	34	4	10	3	1	1	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	17	1	8	1	2	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	5	n	4	n	1	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	70	23	12	14	16	30	52	n	n	n	n	n	n	n	n	1	n	7	3	13
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	3	n	1	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	5	2	7	16	10	33	38	n	3	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	2	n	n	6	5	13	18	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	58	21	8	4	2	3	10	n	n	n	n	n	n	n	1	n	3	1	4	

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Land	87	46	48	34	47	47	3	24	10	39	60	60	66	81	95	78	30	36
Galveston Bay	n	4	22	22	17	11	1	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	1	7	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	4	53	2	5	10	25
Timbalier Bay	n	n	n	n	n	n	n	20	7	17	13	1	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	3	3	15	28	1	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	4	13	31	68	50	8	6
Caminada Headland	n	n	n	n	n	n	n	10	6	20	22	1	n	n	n	n	n	n
W.Plaquemines C.Barr	n	n	n	n	n	n	n	1	2	23	58	6	1	n	n	n	2	1
Chan/Bret Coast.Barr	n	n	n	n	n	n	n	n	n	n	n	34	51	24	14	41	11	7
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	1	97	32	7	5	12	10	6
W. Winter Menhaden	n	n	n	n	n	n	n	12	2	9	7	1	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	37	12	37	35	4	n	n	n	n	1	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	39	34
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	5	2	1	n	n	21	16
Survey Block 3	n	n	n	n	n	n	n	n	1	1	2	9	1	n	n	n	9	6
Survey Block 4	n	n	n	n	n	n	n	5	18	7	12	5	n	n	n	n	2	2
Survey Block 5	n	n	n	n	n	n	n	13	93	13	4	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	10	40	7	2	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	5	13	4	1	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	2	2	2	n	n	4	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	91	54	55	39	46	29	4	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	2	24	36	2	37	16	54	79	70	58	21	12	35	16	9
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	4	14	29	**	53	8	6
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	1	6	63	5	14	15	30
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	4	6
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
Land	7	19	n	38	n	n	1	26	n	n	n	n	4	2	n	n	2	n	n	1	15	n	10	28	39	2					
Galveston Bay	n	n	n	16	n	n	n	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Aransas Refuge	2	5	n	4	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	24	n					
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	4	2	n	n	2	n	n	n	5	n	3	6	n	n					
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	10	n	5	12	n	n					
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n	n					
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	2	n	n	1	7	n	5	10	n	n					
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	14	n	10	24	1	1					
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	11	1					
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	4	12	10	2					
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	2	n	1	2	n	n					
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	7	4	n	n	3	n	n	1	14	n	8	16	1	n					
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	30	51				
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	4	5	22	30				
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	12	2	27	64	9	13				
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	5	5	1	4	12	n	3	16	77	1	47	76	3	3					
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	1	28	26	6	19	50	1	5	14	24	n	13	10	n	n				
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	3	70	44	10	24	41	n	1	3	7	n	4	3	n	n				
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	16	50	28	4	11	15	n	n	1	4	n	2	2	n	n				
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Flower Garden NMS	n	1	1	2	2	8	11	11	4	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tex. Coastal Waters	10	25	n	43	n	n	3	31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
La. Coastal Waters	n	n	n	n	n	n	n	1	n	n	n	n	8	4	n	1	5	n	n	2	25	n	17	40	15	2					
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n					
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	29	1					
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n				
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				

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Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E	
Land	78	33	4	98	64	10	1	82	**	98	87	98	93	65	88	59	28	5	n	n	n	73	51	12	9	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	1	n	65	14	5	2	n	n	n	n	12	4	1	n
Aransas Refuge	n	n	n	n	3	3	n	n	28	42	15	23	17	20	4	7	2	n	n	n	n	9	9	1	2	
Tamaulipas, Mexico	16	13	2	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Winter Merhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
C. Winter Merhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Flower Garden NMS	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	25	10	4	n	n	n	4	4	
Tex. Coastal Waters	81	33	5	99	73	15	2	89	**	**	93	**	98	74	95	73	39	8	n	n	n	85	63	17	13	
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

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Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
Land	2	n	n	6	35	95	78	91	59	12	78	64	80	55	11	3	n	10	2	75	49	75	44	21	4
Galveston Bay	n	n	n	1	12	28	44	10	13	7	6	3	1	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	2	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Char/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	2	2	24	39	4	n	35	10	6	28	12	34	41	12
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	8	3	n	12	n	n	n	n	2	n	n	n	n	1	3	5	1	2	n	n	n	n	n	n	1
Tex. Coastal Waters	4	n	n	12	48	**	87	53	35	17	18	9	4	2	1	2	n	n	1	2	n	1	n	n	
La. Coastal Waters	n	n	n	n	n	2	4	73	43	4	82	71	91	57	14	3	n	13	4	86	64	96	59	30	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
Land	n	n	54	16	39	9	2	11	76	41	29	13	4	n	n	n	17	10	5	n	n	n	12	4	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	1	1	n	n	62	13	2	n	n	n	n	n	6	6	3	n	n	n	1	2	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	5	2	n	n	n	n	n	n	1	6	4	1	n	n	n	1	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3	n	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	19	41	32	14	2	24	14	33	37	29	11	2	n	n	19	2	n	n	n	n	20	3	1
C. Winter Menhaden	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	5	13	5	1	n	n	1	4	1
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	2	23	34	8	1	n	n	2	2
Survey Block 5	n	n	n	n	n	2	5	n	n	n	n	n	n	n	n	n	8	86	63	24	8	1	2	14	16
Survey Block 6	n	n	n	n	n	6	23	2	n	n	n	1	1	2	1	n	21	55	18	11	4	n	8	73	59
Survey Block 7	n	n	n	n	1	31	**	5	n	1	1	3	6	9	6	1	10	14	6	3	1	n	15	80	42
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	70	22	51	14	4	16	56	58	40	18	6	n	n	n	27	17	9	1	n	n	19	7	1
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
Land	n	n	5	52	26	60	23	43	25	77	49	46	2	n	n	n	90	77	57	41	62	80	39	84	70
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	51	8	42	17	27	16	17	31	11	1	n	n	n	5	12	16	11	34	9	22	7	16
Barataria Bay	n	n	n	1	n	3	1	1	n	33	10	37	1	n	n	n	96	70	38	23	16	78	13	96	58
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	7	2	55	4	4	2	92	36	25	1	n	n	n	46	47	32	20	56	27	24	23	43
W. Plaquemines C. Barr	n	n	n	n	n	1	1	n	n	7	4	19	2	n	n	n	9	33	26	32	5	68	7	83	30
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n
W. Winter Menhaden	n	n	18	24	28	18	18	26	23	8	18	6	n	n	n	n	2	7	11	6	17	8	14	5	9
C. Winter Menhaden	n	n	n	n	1	26	42	11	25	16	50	29	3	n	n	n	3	41	46	31	22	44	46	48	50
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	3	6	1	n	n	n	n	n	1	10	n	n	n	n
Survey Block 4	1	n	n	n	n	n	2	n	1	n	n	36	28	4	n	n	n	n	6	89	n	n	2	n	n
Survey Block 5	7	1	n	n	1	n	7	n	2	n	1	13	18	3	n	n	n	n	3	9	n	n	5	n	n
Survey Block 6	19	6	n	1	3	1	9	1	6	n	1	4	5	1	n	n	n	n	1	3	n	n	4	n	n
Survey Block 7	22	6	1	1	4	1	5	1	5	n	1	2	1	n	n	n	n	1	2	n	n	2	n	n	n
Fla. Keys MMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n
Flower Garden MMS	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	8	78	40	83	37	62	40	93	67	60	4	n	n	n	99	90	73	58	81	90	56	86	86
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = less than 0.5%
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Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
Land	70	82	60	73	41	19	3	85	65	40	26	19	11	3	n	42	25	83	80	48	93	70	53	52	38
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	1	n	n	n	1	2	3	2	1	n	n	1	5	n	n	5	3	34	5	1	n
Timbalier Bay	11	5	10	1	2	2	1	n	n	1	1	1	n	n	n	2	1	n	n	n	n	n	n	n	n
Barataria Bay	35	7	19	1	2	4	1	n	n	1	1	1	1	n	n	2	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	1	2	n	n	2	4	4	4	2	1	n	n	2	5	2	3	9	69	19	1	n	n
Caminada Headland	24	8	17	2	4	4	1	n	1	2	1	2	1	n	n	3	1	n	n	1	n	n	n	n	n
W.Plaquemes C.Barr	88	97	68	9	15	15	4	1	3	6	6	8	7	3	n	12	4	n	1	3	n	n	n	n	n
Chan/Bret Coast.Barr	n	n	1	12	16	3	n	23	38	23	12	7	3	1	n	20	11	47	34	29	16	14	1	n	n
E.Deltaic Plain Marsh.	1	7	13	**	58	22	3	**	99	38	25	22	16	5	n	55	21	**	97	30	5	6	n	n	n
W. Winter Menhaden	8	3	6	1	1	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	37	14	27	4	9	7	2	n	2	4	4	5	3	1	n	8	3	n	n	1	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	2	2	1	n	1	5	9	15	77	20	1	2	12	n	n	4	n	1	2	1	n
Survey Block 2	n	1	1	3	17	34	6	1	3	15	45	**	89	32	2	14	33	n	1	6	n	1	n	n	n
Survey Block 3	1	4	7	8	68	81	23	1	4	16	28	42	50	24	3	54	18	1	1	6	n	n	n	n	n
Survey Block 4	2	5	28	4	19	42	26	n	1	6	8	14	18	11	3	16	6	n	n	2	n	n	n	n	n
Survey Block 5	1	1	3	n	2	7	9	n	n	1	1	1	2	2	1	2	1	n	n	n	n	n	n	n	n
Survey Block 6	1	n	1	n	1	2	2	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
Survey Block 7	1	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	96	97	80	95	51	28	6	94	73	45	28	23	16	5	1	51	23	95	87	42	14	14	1	n	n
Miss. Coastal Waters	n	n	n	1	2	n	n	2	4	4	4	2	1	n	n	2	5	3	3	8	95	18	1	n	n
Ala. Coastal Waters	n	n	n	n	1	n	n	n	1	3	5	3	1	n	n	2	7	n	1	8	8	53	15	2	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	1	n	16	66	68	54	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
Land	13	38	11	37	11
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Temaulipas, Mexico	n	n	n	n	n
Mobile Bay	n	10	3	1	1
Timbalier Bay	n	n	n	n	n
Barataria Bay	n	n	n	n	n
Mississippi Sound	n	2	1	n	n
Caminada Headland	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n
Chan/Bret Coast. Barr	n	3	1	n	n
E. Deltaic Plain Marsh.	n	1	3	n	n
W. Winter Menhaden	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n
Florida Middle Grounds	1	n	n	n	n
Survey Block 1	n	8	44	3	11
Survey Block 2	n	3	19	n	2
Survey Block 3	n	1	7	n	n
Survey Block 4	n	n	2	n	n
Survey Block 5	n	n	n	n	n
Survey Block 6	n	n	n	n	n
Survey Block 7	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	n	3	2	n	n
Miss. Coastal Waters	n	2	1	n	n
Ala. Coastal Waters	n	24	7	3	2
Fla. Coastal Waters	22	36	8	52	17
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

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Table 3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
Land	4	n	n	1	1	n	n	n	2	n	3	2	4	5	6	5	28	5
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	2
Barataria Bay	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	2
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	2
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	2	n	n	n	n	n	2	n	n	4
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	1	n	n	n	n	2	n	n	n	n	n	2	n	n	4
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	7	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	3	n	1
Survey Block 3	n	n	n	n	n	n	n	n	2	2	n	n	n	n	3	1	n	5
Survey Block 4	n	n	n	2	n	n	n	2	12	n	n	n	n	2	9	n	n	16
Survey Block 5	n	n	n	8	n	n	n	6	4	n	n	n	1	5	3	n	n	14
Survey Block 6	n	n	n	15	n	n	1	3	1	n	n	1	2	2	1	n	n	8
Survey Block 7	n	n	n	11	n	n	2	1	n	n	n	1	5	1	n	n	n	6
Fla. Keys NMS	n	n	n	n	n	n	n	1	4	4	6	8	11	15	15	15	26	n
Flower Garden NMS	n	1	1	n	n	3	n	n	n	n	n	3	n	n	n	n	n	n
Tex. Coastal Waters	5	n	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	1	n	n	n	n	3	n	n	n	n	n	3	n	n	8
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	4	5	7	10	9	8	48	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	2	2	3	4	4	4	13	n	n
Dry Tortugas	n	n	n	n	n	n	n	1	2	1	1	2	2	3	3	4	1	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
Land	91	97	99	**	92	84	64	50	72	42	37	98	96	95	79	84	62	42	34	29	27	20	18	19	10
Galveston Bay	n	n	n	n	2	2	4	2	1	1	n	4	21	39	8	23	11	4	7	5	2	3	4	1	1
Aransas Refuge	1	n	n	26	16	8	13	9	4	8	6	21	11	5	14	8	8	8	3	2	5	3	1	2	1
Tamaulipas, Mexico	24	6	2	1	1	4	1	2	10	3	5	n	n	n	1	n	n	n	n	n	1	1	n	2	1
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	2	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	2	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	1	2	6	8	2	6	5	n	n	n	3	1	14	20	23	7	16	16	9	9	8
Tex. Coastal Waters	79	96	99	**	93	84	67	52	68	42	37	98	96	92	80	81	63	44	31	22	28	20	14	20	10
La. Coastal Waters	n	n	n	n	n	n	1	n	n	n	n	n	2	11	2	7	3	3	7	13	2	3	9	1	1
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	
Land	10	17	7	4	95	93	82	78	58	52	90	84	75	66	51	51	42	30	32	18	20	9	13	3	7	
Galveston Bay	2	n	n	1	14	9	22	14	14	10	5	3	9	5	6	3	2	2	2	1	1	n	n	n	n	
Aranzas Refuge	1	3	1	n	3	3	6	4	6	3	2	1	2	1	1	n	n	1	n	1	n	n	n	n	n	
Tamaulipas, Mexico	n	4	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	3	38	2	17	1	11	10	2	7	1	5	1	3	n	2	
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	18	n	2	n	3	4	n	4	n	2	n	1	n	1	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	33	n	6	n	5	6	1	6	n	3	n	2	n	1	
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	7	n	2	1	2	4	n	4	n	2	n	2	n	1	
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	
W. Winter Menhaden	1	n	n	n	n	13	1	47	n	19	18	20	43	28	26	22	13	11	7	4	4	2	2	n	1	
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	14	n	24	1	19	15	2	9	1	4	n	2	n	1	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	n	2	n	2	n	2	n	1	
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	7	14	1	13	1	11	1	8	1	6
Survey Block 5	n	n	n	1	n	n	n	n	n	n	1	1	6	3	16	43	5	34	4	22	4	17	3	12		
Survey Block 6	1	n	n	2	n	n	n	n	n	1	n	2	1	9	7	25	73	11	65	8	37	8	25	5	18	
Survey Block 7	3	n	1	5	n	n	n	n	n	1	n	1	2	8	13	19	42	35	56	21	41	18	29	10	21	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	2	
Flower Garden NMS	6	5	3	3	n	n	1	1	8	5	n	1	1	1	2	1	1	3	1	4	1	2	1	2	n	
Tex. Coastal Waters	8	16	6	3	44	29	67	42	52	32	18	10	25	14	17	10	6	9	5	6	2	2	n	1	n	
La. Coastal Waters	5	n	1	2	67	77	23	46	13	29	85	89	61	64	43	51	44	27	34	17	23	9	15	3	8	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75
Land	83	78	90	76	62	63	50	44	27	26	14	16	9	10	10	9	12	95	85	84	80	64	59	47	41
Galveston Bay	2	1	n	n	n	2	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	1	3	9	13	n	2	n	1	n	n	n	n	n	n	n	n	36	19	19	2	15	5	9	4
Timbalier Bay	18	9	n	2	2	16	5	12	5	7	3	4	2	2	1	1	n	n	n	n	n	n	n	2	1
Barataria Bay	53	17	n	2	2	17	11	13	8	7	4	3	2	1	1	1	n	n	n	n	n	1	n	2	n
Mississippi Sound	n	1	8	11	9	n	3	n	n	n	n	n	n	n	n	n	n	43	22	5	1	6	1	6	2
Caminada Headland	32	15	n	3	3	18	10	12	7	8	4	4	1	2	1	1	n	n	n	n	n	1	n	2	1
W. Plaquemines C. Barr	45	52	1	8	8	26	23	14	13	8	5	3	3	1	1	1	n	n	1	1	1	3	1	7	3
Chan/Bret Coast. Barr	n	7	63	32	17	1	8	1	2	n	1	n	n	n	n	n	n	34	40	7	2	9	3	10	4
E. Deltaic Plain Marsh.	n	39	82	40	24	9	28	3	10	2	4	1	1	n	n	n	n	11	18	6	3	11	5	18	7
W. Winter Menhaden	15	9	n	3	3	13	6	11	5	4	2	2	n	n	n	n	n	n	n	n	n	1	n	2	1
C. Winter Menhaden	47	24	1	6	6	29	13	22	9	10	4	4	1	1	n	n	n	n	1	1	n	2	1	6	3
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	2	3	10	48	1	12	1	6	1	3	1	2	1	1	1	2	2	7	7	7	26	16	70	25
Survey Block 2	n	4	3	30	52	3	45	3	16	3	6	2	2	1	2	1	2	1	6	5	4	17	9	42	15
Survey Block 3	1	12	3	30	30	33	77	12	36	9	13	4	4	3	2	1	1	1	4	3	2	10	6	27	10
Survey Block 4	3	15	1	12	15	69	53	61	45	34	24	15	10	7	4	4	1	n	1	2	1	5	4	15	7
Survey Block 5	3	4	n	2	3	18	14	64	23	50	18	28	11	14	3	6	n	n	n	n	n	1	1	4	2
Survey Block 6	3	2	n	1	2	9	6	22	12	26	10	20	6	13	1	4	n	n	n	n	n	n	n	2	1
Survey Block 7	2	2	n	1	1	6	4	12	7	14	6	11	4	8	1	3	n	n	n	n	n	n	n	1	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	2	1	4	4	8	7	14	13	26	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	5	2	n	n	n	5	1	3	1	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	89	86	88	56	35	67	51	48	30	29	15	16	7	8	3	4	n	29	41	10	3	16	6	25	9
Miss. Coastal Waters	n	2	9	11	9	n	3	n	n	n	n	n	n	n	n	n	n	43	22	5	1	6	2	6	2
Ala. Coastal Waters	n	2	5	14	22	n	4	n	1	n	n	n	n	n	n	n	n	47	30	46	8	28	8	15	8
Fla. Coastal Waters	n	1	3	6	13	n	1	n	1	1	3	4	6	11	9	19	3	10	62	87	36	57	15	33	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	1	2	2	2	4	4	7	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	1	n	1	1	2	2	5	4	7	n	n	n	n	n	n	n	n

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Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	70	84	89	53	64	75	33	47	63	72	24	32	51	61	17	16	37	51	12	8	24	43	9	6	12
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	1	n	n	1	n	n	1	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	1	n	n	1	n	n	n	2	n	n	n	2	n	n	n	1	n	n	n	1	n	n
Chan/Bret Coast. Barr	2	n	n	1	n	n	1	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	1	n	n
E. Deltaic Plain Marsh.	2	n	n	3	1	n	3	1	n	n	3	1	n	n	2	n	n	n	2	n	n	n	1	1	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	1	n	n	1	n	n	1	n	n	n	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	30	96	1	14	81	5	18	63	**	5	17	46	99	4	14	35	44	2	7	24	29	1	4	12
Florida Middle Grounds	n	1	n	2	2	3	8	32	16	8	8	28	20	11	6	9	13	8	4	6	8	7	2	4	4
Survey Block 1	9	2	1	10	4	2	9	4	2	1	9	3	2	1	9	2	1	1	8	3	1	n	7	4	1
Survey Block 2	5	1	n	6	2	1	7	3	1	n	7	3	1	n	6	1	1	n	6	1	n	n	5	2	n
Survey Block 3	3	1	n	4	1	1	6	2	1	n	6	2	1	n	6	2	n	n	5	1	n	n	4	1	n
Survey Block 4	2	n	n	2	1	n	5	2	n	n	6	2	1	n	5	1	n	n	4	1	n	n	3	1	n
Survey Block 5	n	n	n	n	n	n	1	1	n	n	3	1	n	n	3	1	n	n	2	1	n	n	2	1	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	1	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	2	1	1	n	3	3	7
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	3	1	n	3	1	n	4	1	n	n	4	1	1	n	3	n	n	n	2	n	n	n	2	1	n
Miss. Coastal Waters	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	3	n	n	2	n	n	2	1	n	n	1	n	n	n	1	n	n	n	1	n	n	n	1	n	n
Fla. Coastal Waters	81	95	96	59	74	86	36	54	71	88	25	37	57	79	18	21	44	72	13	13	30	61	11	9	18
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	1
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	2	4

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																													
	E101	E102	E103	E104	E105	E106	E107	E108	E109	E110	E111	E112	E113	E114	E115	E116	E117	E118	E119	E120	E121	E122	E123	E124	E125					
Land	24	39	8	7	10	17	29	43	14	13	15	18	23	33	42	26	29	20	18	20	27	35	25	34	30					
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
E. Deltaic Plain Marsh.	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Big Bend Seagrass	21	22	1	2	5	13	18	12	n	1	2	7	12	11	6	n	2	2	3	8	9	5	n	1	2					
Florida Middle Grounds	5	6	2	3	2	4	5	3	n	1	1	2	3	4	2	n	n	1	n	n	n	n	n	n	n	n				
Survey Block 1	n	n	4	3	n	n	n	n	1	2	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n				
Survey Block 2	n	n	3	2	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Survey Block 3	n	n	2	2	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Survey Block 4	n	n	1	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Fla. Keys NMS	4	2	7	8	23	14	6	4	25	25	41	35	16	10	9	41	54	62	57	31	18	18	28	36	62					
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
La. Coastal Waters	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Fla. Coastal Waters	31	57	10	9	15	25	39	75	20	17	22	27	32	50	80	36	41	28	27	31	38	61	34	45	43					
Florida Bay Seagrass	1	1	2	2	5	3	2	1	8	6	6	6	4	3	3	13	15	11	10	6	5	25	13	17	17					
Dry Tortugas	2	1	2	4	13	7	3	2	8	10	24	20	8	5	4	11	18	41	41	19	9	7	1	4	24					

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
Land	17	19	24	28	23	39	39	34	33	19	20	10	15	8	10	10	8	15	9	20
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	5	4	1	3	1	2	n	1	n	1	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	3	1	3	1	2	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	3	1	3	1	1	1	1	1	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	3	2	1	1	n	1	n	1	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	3	2	4	2	2	1	1	1	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	9	4	9	3	4	3	2	2	1	1	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	8	5	3	4	1	1	n	1	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	16	8	9	7	4	5	1	2	1	1	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	3	1	3	1	1	1	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	7	4	6	3	2	2	1	1	n	n	n	n	n
Big Bend Seagrass	2	5	6	5	n	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	1	2	2	n	n	n	n	2	n	1	n	1	n	n	n	1	n	1	n
Survey Block 1	n	n	n	n	n	n	n	53	27	20	22	7	14	4	9	3	6	2	3	1
Survey Block 2	n	n	n	n	n	n	n	46	19	26	16	9	12	5	7	3	5	2	2	1
Survey Block 3	n	n	n	n	n	n	n	35	14	29	15	12	11	5	6	2	3	1	1	1
Survey Block 4	n	n	n	n	n	n	n	23	11	26	13	15	10	6	5	2	2	n	n	n
Survey Block 5	n	n	n	n	n	n	n	8	5	12	7	10	5	4	2	1	1	n	n	n
Survey Block 6	n	n	n	n	n	n	n	3	2	6	3	6	2	3	1	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	2	1	3	2	3	1	2	1	n	n	n	n	n
Fla. Keys NMS	76	42	28	27	22	33	54	n	n	2	1	3	1	6	4	10	6	26	14	29
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	26	13	19	11	8	7	3	3	1	1	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	3	2	1	2	n	1	n	1	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	8	6	2	4	1	3	n	2	n	1	n	n	n
Fla. Coastal Waters	27	30	35	42	32	52	56	6	21	3	11	5	11	7	9	11	9	22	12	27
Florida Bay Seagrass	10	7	6	10	9	16	20	n	n	1	n	1	n	2	1	4	2	8	3	11
Dry Tortugas	63	32	17	12	3	4	13	n	n	n	n	1	n	2	1	3	1	7	5	7

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Land	99	80	81	74	87	88	54	61	43	69	80	83	89	95	99	94	67	70
Galveston Bay	n	9	26	30	23	18	14	4	1	3	2	n	n	n	n	n	n	n
Aransas Refuge	2	12	10	6	5	4	4	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	5	7	54	3	8	17	30
Timbalier Bay	n	n	n	n	n	n	n	24	14	21	16	2	n	n	n	n	1	1
Barataria Bay	n	n	n	n	n	n	n	5	8	17	30	1	n	n	n	n	1	1
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	8	18	33	68	52	13	10
Caminada Headland	n	n	n	n	n	n	n	12	12	22	23	2	n	n	n	n	2	1
W. Plaquemines C. Barr	n	n	n	n	n	n	n	3	7	25	60	7	1	n	n	n	4	3
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	39	57	27	14	45	21	15
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	1	n	1	97	35	9	5	13	21	16
W. Winter Menhaden	n	n	n	n	n	n	1	21	12	16	13	3	n	n	n	n	1	1
C. Winter Menhaden	n	n	n	n	n	n	n	39	20	39	37	5	1	n	n	n	4	4
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	5	4	2	n	2	44	39
Survey Block 2	n	n	n	n	n	n	n	n	1	n	1	8	3	2	n	1	27	23
Survey Block 3	n	n	n	n	n	n	n	1	4	1	3	11	3	1	n	1	18	15
Survey Block 4	n	n	n	n	n	n	n	8	24	9	13	6	1	1	n	n	9	8
Survey Block 5	n	n	n	n	n	n	n	16	94	15	6	1	n	n	n	n	2	1
Survey Block 6	n	n	n	n	n	n	n	14	46	10	4	n	n	n	n	n	1	1
Survey Block 7	n	n	n	n	n	n	n	9	19	7	3	n	n	n	n	n	1	1
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	4	4	4	1	n	7	1	1	1	n	n	n	n	n	n	n	n
Tex. Coastal Waters	99	81	81	69	72	56	46	9	5	6	5	1	n	n	n	n	n	n
La. Coastal Waters	n	1	2	8	30	43	14	62	47	73	87	76	64	25	13	39	33	25
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	8	18	31	**	55	13	9
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	8	12	65	6	18	25	38
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	4	5	3	1	3	13	14
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																													
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31				
Land	53	70	28	72	12	24	38	59	19	29	22	13	36	26	12	20	31	8	11	19	46	11	37	57	74	33				
Galveston Bay	2	2	1	20	1	3	3	21	4	7	4	1	1	1	n	1	1	n	n	n	1	n	1	1	n	n				
Aransas Refuge	9	11	5	10	1	4	7	6	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tamaulipas, Mexico	3	2	2	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	29				
Timballer Bay	n	n	n	n	n	n	n	n	n	n	n	n	1	9	7	3	6	10	1	3	6	10	2	8	10	1	2			
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	3	4	2	4	6	1	2	5	17	3	11	18	1	3			
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	15	4			
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	6	4	3	5	8	1	2	6	14	2	10	16	1	3			
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3	3	5	6	1	2	6	23	4	18	32	4	8			
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	3	3	19	9			
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	1	3	5	3	9	15	19	16				
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	1	2	3	11	6	1	3	5	n	1	3	10	1	7	9	2	3			
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	1	12	8	2	5	10	n	2	6	22	2	14	21	3	6				
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	7	4	2	34	59			
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	1	7	4	2	34	59		
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	2	5	4	8	12	9	27	45			
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	12	12	11	15	21	5	14	30	83	16	62	82	7	21	
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	4	33	33	21	32	56	7	18	29	31	11	22	16	2	8			
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	1	8	72	52	25	38	49	4	9	14	14	5	11	7	1	3			
Survey Block 7	n	n	n	n	n	n	n	n	n	n	3	25	54	39	18	24	25	3	5	8	9	3	7	6	1	2				
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	2	n	12	6	3	1	4	1	n	n	n	n			
Flower Garden NMS	5	4	8	5	9	18	20	14	12	9	7	3	1	1	n	n	1	n	n	n	n	n	n	n	n	n	n			
Tex. Coastal Waters	54	72	28	71	13	25	39	57	17	25	16	4	5	4	n	1	3	n	n	1	3	n	2	2	n	n	n			
La. Coastal Waters	n	n	1	1	1	2	2	4	5	9	10	13	38	29	14	23	34	4	10	21	51	9	41	62	30	26				
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	15	4				
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	38	9				
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	8	5	2	n	5	1	1	11	6			
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	3	2	1	n	1	n	n	n	n			
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	4	1	1	n	1	n	n	n	n			

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
Land	96	84	51	**	95	64	41	99	**	**	99	**	99	94	98	92	80	50	27	13	7	96	89	60	56
Galveston Bay	n	1	1	n	n	2	2	n	n	n	n	n	2	3	66	18	11	9	5	2	n	15	9	7	4
Aransas Refuge	n	2	6	n	5	10	9	n	28	42	15	23	17	22	5	12	11	7	4	2	1	11	14	10	10
Tamaulipas, Mexico	17	19	8	1	3	2	2	4	n	n	1	n	n	1	n	n	n	n	n	1	1	n	1	n	1
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	1	4	n	1	5	8	n	n	n	n	n	n	1	n	n	2	28	18	11	6	n	1	8	9
Tex. Coastal Waters	91	73	50	**	95	65	42	98	**	**	99	**	**	95	98	92	80	50	26	13	7	96	90	62	59
La. Coastal Waters	n	n	n	n	n	n	1	n	n	n	n	n	n	n	2	4	3	5	5	2	1	3	2	2	1
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
Land	40	24	17	52	85	99	96	98	92	72	97	95	97	90	69	58	30	64	45	95	89	93	85	71	39
Galveston Bay	3	2	n	7	17	28	45	11	18	19	9	9	6	7	12	13	7	10	9	4	8	4	7	9	6
Aransas Refuge	8	4	2	9	10	1	5	1	4	7	2	3	2	2	4	4	3	2	3	2	3	1	2	2	1
Tamulipas, Mexico	1	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	2	2	24	39	5	n	36	13	6	28	12	34	44	17
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	.1	n	n	n	n	2	4
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	16	11	6	17	1	n	n	n	3	n	n	n	n	1	3	6	10	3	5	n	1	1	1	1	4
Tex. Coastal Waters	41	25	17	54	83	**	93	55	53	65	28	29	15	23	40	46	26	34	30	14	25	11	22	26	19
La. Coastal Waters	2	1	n	3	4	2	8	75	51	14	84	77	92	67	39	20	9	40	23	88	76	97	74	56	28
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
Land	16	7	90	70	79	50	35	59	90	80	74	62	41	23	13	4	59	44	34	20	13	8	57	39	27	
Galveston Bay	3	1	7	10	6	5	3	6	3	6	7	6	5	2	1	n	5	1	1	n	n	n	n	5	3	1
Aransas Refuge	1	n	2	3	2	1	n	2	n	1	1	2	1	1	n	n	1	n	n	n	n	n	1	n	n	
Tamaulipas, Mexico	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Timbalier Bay	n	n	1	n	2	2	4	1	62	15	4	1	1	1	n	n	10	14	9	7	4	1	3	8	6	
Barataria Bay	n	n	n	n	n	1	1	n	1	1	n	n	n	n	n	n	1	9	9	5	2	1	n	2	4	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Caminada Headland	n	n	n	n	n	1	1	1	5	3	1	n	n	n	n	n	3	12	10	5	3	1	1	4	4	
W. Plaquemines C. Barr.	n	n	n	n	n	1	2	n	1	n	n	n	n	n	n	n	1	7	10	5	3	1	n	2	3	
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	1	1	n	n	n	n	
W. Winter Menhaden	1	n	19	41	34	24	12	31	14	34	40	34	19	8	3	1	27	12	7	3	1	n	27	13	6	
C. Winter Menhaden	n	n	n	n	n	3	6	1	n	n	n	1	1	1	n	n	8	21	14	6	2	n	4	10	6	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	2	1	1	n	n	
Survey Block 3	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	4	8	6	4	2	n	2	2	
Survey Block 4	n	n	n	n	n	2	5	1	n	n	n	n	1	1	1	1	4	28	42	21	10	4	2	8	11	
Survey Block 5	n	1	n	n	n	5	12	2	n	1	1	1	2	3	3	3	11	87	69	37	21	8	5	21	25	
Survey Block 6	n	2	n	n	1	11	28	4	1	2	2	3	5	6	6	6	23	59	28	22	16	5	11	74	64	
Survey Block 7	1	5	n	n	2	34	**	8	1	2	3	5	10	15	16	12	13	19	13	12	9	3	18	82	50	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	5	9	n	n	n	
Flower Garden NMS	8	5	n	2	n	1	1	2	n	1	1	2	2	3	3	2	1	1	1	1	n	n	1	1	1	
Tex. Coastal Waters	13	5	22	33	20	14	8	20	8	19	23	20	16	8	4	2	14	5	2	1	n	n	16	7	4	
La. Coastal Waters	7	4	80	48	70	46	35	49	58	74	63	50	34	21	12	5	55	47	37	22	13	5	51	40	30	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	5	7	n	n	n	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	2	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	3	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
Land	16	9	52	81	69	83	62	78	65	90	77	70	24	12	9	11	97	91	81	69	84	91	70	93	88
Galveston Bay	n	n	9	4	6	3	4	4	5	1	3	1	n	n	n	n	1	1	2	2	3	1	3	1	1
Aransas Refuge	n	n	2	1	1	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	4	2	n	52	10	43	21	29	18	19	33	15	6	3	1	n	7	13	19	15	36	10	25	7	18
Barataria Bay	3	1	n	1	1	4	2	1	1	34	11	40	7	3	1	n	96	71	40	28	18	78	15	96	59
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	3	2	n	7	3	56	6	5	3	92	38	28	7	3	1	n	46	48	34	24	57	29	25	23	45
W. Plaquemines C. Barr	2	2	n	1	n	2	2	1	1	8	5	23	9	3	2	1	10	34	28	37	6	68	8	84	31
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	1	4	2	n	1	n	n	n	5	n	n	n	n	n
W. Winter Menhaden	3	1	22	26	33	21	25	29	28	9	20	11	4	1	n	n	2	8	15	13	19	10	21	8	11
C. Winter Menhaden	3	2	n	n	2	26	43	11	26	16	50	32	8	2	n	n	3	41	47	34	22	44	47	48	50
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	2	1	1	1	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	1	7	3	1	2	n	n	n	2	n	n	n	n
Survey Block 3	1	1	n	n	n	n	1	n	n	n	n	5	17	7	2	2	n	n	1	11	n	n	1	n	n
Survey Block 4	10	6	n	1	1	n	5	n	2	n	1	38	43	16	6	2	n	n	6	89	n	1	4	n	1
Survey Block 5	20	15	n	1	3	1	10	2	5	1	3	15	31	16	6	1	n	1	5	12	1	1	7	n	1
Survey Block 6	33	23	1	2	5	2	13	3	9	1	4	7	14	8	3	n	1	1	4	6	1	1	7	1	2
Survey Block 7	37	27	2	2	6	2	9	3	8	1	3	5	8	5	2	n	n	1	3	5	2	1	5	n	1
Fla. Keys NMS	1	2	n	n	n	n	n	n	n	n	n	n	2	5	10	22	n	n	n	n	n	n	n	n	n
Flower Garden NMS	1	1	4	1	1	n	1	1	1	n	1	n	n	n	n	n	n	n	n	n	1	n	1	n	n
Tex. Coastal Waters	1	n	29	12	17	10	12	14	13	4	9	4	1	n	n	n	1	3	5	4	8	3	8	3	4
La. Coastal Waters	20	11	33	85	63	89	62	75	64	96	81	75	26	11	4	1	**	95	84	75	89	93	74	88	93
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	1	n	n	n	n	n	n	n	n	n	n	2	4	8	16	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	1	n	n	n	n	n	n	n	n	n	n	1	2	3	6	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	1	n	n	n	n	n	n	n	n	n	n	n	1	3	8	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																											
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC			
Land	87	91	80	88	72	51	28	95	86	75	67	60	50	30	12	73	67	94	93	80	99	90	77	72	63			
Galveston Bay	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Mobile Bay	n	n	n	3	5	2	n	2	4	8	11	9	6	2	1	6	13	2	2	10	3	37	7	3	1			
Timbalier Bay	12	6	12	1	5	6	6	n	n	2	2	3	3	4	3	4	2	n	n	n	n	n	n	n	n			
Barataria Bay	36	8	21	2	5	11	7	n	1	2	2	4	6	5	3	3	1	n	n	1	n	n	n	n	n			
Mississippi Sound	n	n	n	4	6	3	n	4	8	10	10	8	5	2	n	7	11	4	5	16	69	22	2	1	n			
Caminada Headland	25	9	20	2	6	10	7	n	1	3	3	4	5	6	3	5	3	n	n	1	n	n	n	n	n			
W. Plaquemines C. Barr	88	97	70	10	18	23	14	1	4	8	9	13	17	13	5	15	6	n	1	4	n	n	1	1	n			
Chan/Bret Coast. Barr	n	1	1	16	24	8	2	25	43	34	23	17	13	6	1	28	23	49	37	38	17	20	5	2	1			
E. Deltaic Plain Marsh.	1	7	13	**	62	29	10	**	99	45	35	33	28	16	4	59	30	**	97	35	6	9	5	3	3			
W. Winter Menhaden	12	5	11	3	5	6	5	n	1	3	3	4	4	3	2	4	3	n	n	1	n	n	n	n	n			
C. Winter Menhaden	37	14	28	5	11	14	10	n	2	5	6	9	10	8	3	9	6	n	n	2	n	n	1	1	n			
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Survey Block 1	n	n	1	3	6	6	6	1	4	10	15	21	78	28	6	6	19	2	3	9	1	5	9	10	10			
Survey Block 2	n	1	2	5	19	38	16	2	5	19	48	**	90	43	9	17	37	1	3	10	n	4	6	5	5			
Survey Block 3	1	4	8	9	69	84	37	2	5	20	34	51	60	43	15	56	25	1	2	9	n	2	4	3	3			
Survey Block 4	3	6	29	6	24	54	46	1	2	10	14	23	33	34	19	21	12	n	1	4	n	1	2	1	2			
Survey Block 5	3	2	5	1	3	13	22	n	n	1	3	4	8	13	12	3	2	n	n	n	n	n	n	n	n			
Survey Block 6	3	1	3	n	1	6	10	n	n	1	1	2	3	6	7	1	1	n	n	n	n	n	n	n	n			
Survey Block 7	2	1	2	n	1	4	7	n	n	1	1	2	3	4	5	1	1	n	n	n	n	n	n	n	n			
Fla. Keys NMS	n	n	n	n	n	n	2	n	n	n	n	n	n	n	1	3	n	n	n	n	n	n	n	n	n			
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Tex. Coastal Waters	4	1	3	1	1	1	1	n	n	1	1	1	n	n	n	1	1	n	n	n	n	n	n	n	n			
La. Coastal Waters	98	98	88	97	67	53	31	96	79	59	47	45	44	31	12	66	42	96	90	53	14	21	7	4	3			
Miss. Coastal Waters	n	n	n	4	6	3	n	4	9	10	10	8	5	2	1	7	11	5	6	15	95	20	2	1	n			
Ala. Coastal Waters	n	n	1	4	8	3	1	3	7	12	16	14	8	3	1	9	20	3	4	18	9	57	21	5	2			
Fla. Coastal Waters	n	n	n	3	3	2	2	2	3	6	7	5	3	1	3	4	8	2	3	7	1	20	74	76	67			
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n			
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n			

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
Land	41	70	53	67	48
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	1	15	11	4	4
Timbalier Bay	n	n	1	n	n
Barataria Bay	n	n	1	n	n
Mississippi Sound	n	5	5	1	2
Caminada Headland	n	n	2	n	1
W. Plaquemines C. Barr	2	1	5	1	2
Chan/Bret Coast. Barr	2	9	11	3	4
E. Deltaic Plain Marsh.	4	9	15	4	7
W. Winter Menhaden	n	1	1	n	1
C. Winter Menhaden	1	1	4	1	3
Big Bend Seagrass	3	n	n	n	n
Florida Middle Grounds	4	n	n	n	n
Survey Block 1	9	18	52	14	27
Survey Block 2	6	12	32	7	16
Survey Block 3	4	7	20	5	11
Survey Block 4	3	3	11	2	6
Survey Block 5	1	n	2	n	1
Survey Block 6	n	n	1	n	1
Survey Block 7	n	n	1	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	4	13	22	5	10
Miss. Coastal Waters	n	5	5	1	2
Ala. Coastal Waters	2	33	20	9	10
Fla. Coastal Waters	43	49	22	66	41
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
Land	37	14	7	10	12	9	12	16	21	16	19	19	21	22	22	21	39	18
Galveston Bay	n	1	1	1	1	1	1	n	n	n	1	1	n	n	n	n	n	n
Aransas Refuge	3	2	n	n	1	1	n	n	n	n	1	1	n	n	n	n	n	n
Tamaulipas, Mexico	15	10	5	2	1	n	n	n	n	n	1	n	n	n	n	n	n	2
Mobile Bay	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n
Timbalier Bay	n	n	n	2	n	n	1	2	1	n	n	1	1	2	n	n	n	4
Barataria Bay	n	n	n	1	n	n	n	1	3	1	n	n	n	1	2	1	n	4
Mississippi Sound	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n
Caminada Headland	n	n	n	1	n	n	n	1	2	1	n	n	n	1	3	n	n	4
W. Plaquemines C. Barr	n	n	n	1	n	n	n	1	4	2	n	n	1	1	3	2	n	6
Chan/Bret Coast. Barr	n	n	n	n	n	n	n	n	1	n	n	n	n	n	2	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	1	4	n	n	n	1	2	3	n	4
W. Winter Menhaden	n	n	n	3	n	n	2	1	2	n	n	n	2	1	1	n	n	3
C. Winter Menhaden	n	n	n	3	n	n	n	1	4	1	n	n	n	1	3	1	n	6
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
Survey Block 1	n	n	n	n	n	n	1	1	1	11	n	n	n	1	2	14	n	n
Survey Block 2	n	n	n	n	n	n	n	1	2	9	n	n	1	1	3	11	n	1
Survey Block 3	n	n	n	1	n	1	1	2	5	8	n	n	1	2	6	7	n	5
Survey Block 4	n	n	n	4	1	1	2	5	15	6	1	1	2	5	13	5	n	18
Survey Block 5	n	n	n	11	2	2	4	11	9	3	1	2	3	8	6	2	n	16
Survey Block 6	n	n	1	19	3	3	6	7	4	1	2	3	5	5	3	1	n	12
Survey Block 7	n	n	2	16	4	4	8	4	2	1	3	5	7	2	2	n	n	12
Fla. Keys NMS	n	n	n	n	5	9	12	23	21	19	14	18	20	24	21	19	26	n
Flower Garden NMS	2	4	4	1	3	5	2	n	n	n	3	4	1	n	n	n	n	1
Tex. Coastal Waters	32	13	5	2	10	6	3	n	n	n	8	5	2	n	n	n	n	1
La. Coastal Waters	n	n	2	10	2	2	6	5	10	5	1	3	6	4	8	5	n	19
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	2	n	n
Fla. Coastal Waters	n	n	n	n	2	4	7	17	19	18	14	18	22	27	21	21	55	n
Florida Bay Seagrass	n	n	n	n	1	2	4	8	8	8	6	8	7	9	7	6	14	n
Dry Tortugas	n	n	n	n	1	2	3	4	4	3	3	3	5	5	4	6	2	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1	9	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	2	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	n	9	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	2	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	1	14	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	9	13	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	3	26	2	n	n	n	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	9	1	n	n	n	n	n	n	23	6	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	n	n	2	12	1	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	10	16	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n	n	n	n	n
58	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Land Segment	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
11	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	28	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	1	19	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	2	n	n	n	n	7	n	1	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	16	14	1	3	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	14	n	1	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Land Segment	Hypothetical Spill Location																								
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75
16	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	10	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	13	30	25	4	n	5	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	n	10	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	10	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	19	3	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	2	1	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	2	16	n	2	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	16	7	1	n	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n	1	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	1	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
26	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	5	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	1	24	4	4	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	6	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	n	n	8	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
36	n	n	n	n	n	n	n	n	n	1	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	10	n	n	n	n	2	n	n	n
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n

Land Segment	Hypothetical Spill Location																								
	E101	E102	E103	E104	E105	E106	E107	E108	E109	E110	E111	E112	E113	E114	E115	E116	E117	E118	E119	E120	E121	E122	E123	E124	E125
38	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40	n	2	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
42	n	n	n	n	n	n	n	1	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n

Land Segment	Hypothetical Spill Location																		
	E126	E127	E128	E129	E130	E131	E132	E133	E134	E135	E136	E137	E138	E139	E140	E141	E142	E143	E144

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																									
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18								
3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n								
4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n								
5	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n								
6	17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n								
7	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n								
8	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n								
9	n	8	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n								
10	n	1	14	9	1	n	n	n	n	n	n	n	n	n	n	n	n	n								
11	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n								
12	n	n	n	n	5	14	n	n	n	n	n	n	n	n	n	n	n	n								
16	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n								
17	n	n	n	n	n	n	n	2	n	5	5	n	n	n	n	n	n	n								
18	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n								
19	n	n	n	n	n	n	n	n	n	5	21	22	6	n	n	n	n	n								
20	n	n	n	n	n	n	n	n	n	n	3	16	4	5	13	1	n	n								
21	n	n	n	n	n	n	n	n	n	n	n	2	13	74	22	1	n	n								
22	n	n	n	n	n	n	n	n	n	n	n	n	n	24	1	2	1	3								
23	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	9								
Land Segment	Hypothetical Spill Location																									
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31
8	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	3	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	11	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	3	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
1	35	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	3	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	1	n	n	4	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	n	n	7	1	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	n	50	2	n	n	4	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	14	1	n	n	2	2	7	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	3	n	n	n	n	30	51	13	20	8	2	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	n	n	n	n	n	61	15	4	60	54	6	2	n	n	n	n	n	n	n	4	2	n
9	n	n	n	n	n	n	n	n	n	n	n	n	1	n	11	4	n	n	n	n	n	n	14	2	n
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	47	4	n	n	n	n	n	n	4	n	n
5B	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Land Segment	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
9	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	n	28	22	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	47	4	35	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	27	20	n	42	10	2	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	n	n	n	n	n	21	42	7	n	n	n	n	n	6	3	n	1	n	n
14	n	n	n	n	n	n	n	n	n	n	n	n	11	14	n	n	n	n	n	16	7	n	2	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	17	1	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	53	7	n	n
Land Segment	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
13	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	6	n	8	n	n	n	53	12	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
16	n	n	n	20	3	12	2	15	4	2	5	n	n	n	n	n	n	1	n	n	10	n	1	n	1
17	n	n	n	3	n	22	1	n	n	52	15	9	n	n	n	n	26	22	11	1	22	10	8	7	19
18	n	n	n	n	n	n	n	n	n	4	1	9	n	n	n	n	49	14	4	n	2	7	2	8	10
19	n	n	n	n	n	n	n	n	n	1	n	4	n	n	n	n	3	10	6	5	n	30	1	42	9

Land Segment	Hypothetical Spill Location																											
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC			
17	6	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
18	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
19	30	68	30	56	13	1	n	64	27	7	1	1	n	n	n	12	1	49	49	4	n	n	n	n	n			
20	n	n	n	1	1	n	n	2	3	1	n	n	n	n	n	1	n	6	4	4	5	2	n	n	n			
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	69	6	n	n	n			
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	8	n	n	n			
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	15	1	n	n	n			
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	13	1	n	n			
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	2	n	n			
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	n			
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	4			
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4			

Land Segment	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
23	n	3	n	n	n
24	n	5	n	2	n
25	n	n	n	2	n
26	n	n	n	1	n

Land Segment	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table 6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1	20	8	2	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	7	13	4	1	1	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	5	23	19	6	5	5	n	n	2	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
4	2	7	15	5	4	3	1	n	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
5	4	8	22	11	8	5	1	n	2	n	n	4	1	n	n	n	n	n	n	n	n	n	n	n	n
6	2	7	15	19	10	6	1	1	1	n	n	7	2	n	1	n	n	n	n	n	n	n	n	n	n
7	1	5	11	34	17	8	4	1	2	1	n	19	8	2	5	1	n	1	n	n	n	n	n	n	n
8	n	1	2	17	12	5	7	2	1	n	n	41	26	7	17	7	4	1	n	n	n	n	n	n	n
9	n	n	n	n	1	n	1	n	n	n	n	6	19	10	6	9	4	1	n	n	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	2	16	35	2	16	3	n	n	n	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	n	n	2	18	n	3	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	n	n	n	3	n	1	n	n	n	n	n	n	n	n	n	n
58	15	2	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Land Segment	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
8	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	2	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	10	1	9	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	12	3	6	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	45	26	8	13	1	3	9	1	9	1	2	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	1	26	1	5	n	1	14	3	9	4	3	1	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	4	n	1	n	n	12	3	5	3	1	1	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	5	1	2	1	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	19	27	2	15	1	8	4	n	1	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	17	n	3	n	1	1	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

		<u>Hypothetical Spill Location</u>																									
Land Segment		C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75	
13		1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
14		1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
16		10	5	n	n	n	8	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
17		18	8	n	1	n	8	2	4	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
18		10	3	n	n	n	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
19		23	39	39	19	7	13	11	4	2	n	n	n	n	n	n	n	n	n	2	7	n	1	n	2	n	
20		n	3	30	14	4	n	1	n	n	n	n	n	n	n	n	n	n	n	21	24	3	n	1	n	1	n
21		n	n	3	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	31	13	3	n	2	n	n	n
22		n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	14	7	4	n	2	n	1	n
23		n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	13	7	25	2	10	1	1	n
24		n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	28	24	9	8	1	1
25		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	13	1	4	n	1	n
26		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	n	7	n	1	n
27		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	6	n	2	n
28		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n
		<u>Hypothetical Spill Location</u>																									
Land Segment		E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100	
24		2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25		3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26		9	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27		24	1	n	8	2	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28		10	2	n	6	3	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29		2	52	29	8	26	16	2	6	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30		n	11	32	n	2	12	n	n	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31		n	1	13	n	1	14	n	n	5	4	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n
32		n	n	n	n	n	4	n	n	4	6	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n
33		n	n	n	n	n	1	n	n	3	14	n	n	2	4	n	n	n	1	n	n	n	n	n	n	n	n
34		n	n	n	n	n	n	n	n	1	8	n	n	n	3	n	n	n	1	n	n	n	n	n	n	n	n
35		n	n	n	n	n	n	n	n	1	8	n	n	1	5	n	n	n	1	n	n	n	n	n	n	n	n
36		n	n	n	n	n	n	n	n	n	2	n	n	1	8	n	n	1	4	n	n	n	1	n	n	n	n
37		n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	1	15	n	n	2	9	n	n	n	n	n
38		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	6	n	n	n	n	n
39		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																									
	E101E	E102E	E103E	E104E	E105E	E106E	E107E	E108E	E109E	E110E	E111E	E112E	E113E	E114E	E115E	E116E	E117E	E118E	E119E	E120E	E121E	E122E	E123E	E124E	E125	
37	2	4	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
38	1	5	n	n	n	n	2	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
39	1	6	n	n	n	n	3	5	n	n	n	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n
40	n	2	n	n	n	n	1	4	n	n	n	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n
41	n	1	n	n	n	n	1	16	n	n	n	n	1	7	5	n	n	n	n	1	3	2	n	n	n	n
42	n	n	n	n	n	n	n	1	n	n	n	n	n	2	13	n	n	n	n	n	1	5	n	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	4	n	1	1	1	1
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	1	4	5	5	5
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	2	1	1
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	1	1	1	1	1

Land Segment	Hypothetical Spill Location																								
	E126E	E127E	E128E	E129E	E130E	E131E	E132E	E133E	E134E	E135E	E136E	E137E	E138E	E139E	E140E	E141E	E142E	E143E	E144E	E145					
19	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
42	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	n	n	n	1	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
44	1	n	n	n	2	9	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
45	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
46	n	n	n	n	1	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	23	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	23	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	14	7	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	4	19	13	4	1	1	n	n	n	n	n	n	n	n	n	n	n	n
9	n	13	10	6	3	1	n	n	n	n	n	n	n	n	n	n	n	n
10	n	4	19	19	15	9	1	n	n	n	n	n	n	n	n	n	n	n
11	n	n	1	2	16	9	1	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	1	11	27	1	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	15	5	13	8	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	6	3	11	13	1	n	n	n	n	n	n
18	n	n	n	n	n	n	n	1	n	3	5	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	1	1	10	32	37	18	2	1	4	5	3
20	n	n	n	n	n	n	n	n	n	n	n	19	34	17	10	30	8	4
21	n	n	n	n	n	n	n	n	n	n	n	3	10	26	82	39	6	5
22	n	n	n	n	n	n	n	n	n	n	n	n	2	28	2	4	5	7
23	n	n	n	n	n	n	n	n	n	n	n	n	1	7	n	1	5	16
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease-Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																									
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31
3	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	1	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	2	4	n	4	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	2	6	n	12	n	n	1	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	7	n	n	1	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	14	n	n	n	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	3	1	n	n	1	n	n	n	3	n	1	4	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	3	n	3	5	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	3	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	5	15	5	1
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	6	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n

Land Segment	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
1	45	9	1	1	2	n	n	6	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	7	4	n	1	3	n	n	9	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	6	3	n	10	12	1	n	22	1	4	9	1	2	2	n	n	n	n	n	n	n	n	n	n	n
4	2	2	n	10	7	n	n	10	1	2	6	1	1	2	n	n	n	n	n	n	n	n	n	n	n
5	3	3	n	53	13	1	n	13	2	8	15	3	3	5	1	n	n	n	n	n	n	1	1	n	n
6	1	1	n	17	9	1	n	10	3	10	16	4	5	8	1	1	n	n	n	n	n	2	1	n	n
7	1	1	n	6	13	3	n	10	30	53	24	23	16	20	3	5	2	n	n	n	n	8	9	1	1
8	n	1	n	n	5	3	1	1	63	20	15	65	63	26	10	19	11	1	n	n	n	25	27	6	6
9	n	n	n	n	n	n	n	n	n	n	n	n	3	3	16	18	9	2	n	n	n	23	9	4	1
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	54	13	5	2	n	n	n	12	4	1	n
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	n	n	n	n	n	2	n	n	n
5B	12	10	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1J	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
7	n	n	n	n	2	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	1	n	n	2	11	2	8	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	3	11	3	9	2	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	1	11	36	43	11	12	6	5	2	1	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	1	52	13	44	12	3	7	4	1	1	n	1	n	n	n	n	1	n	n	n	n
12	n	n	n	n	n	1	2	33	32	2	65	32	17	13	8	2	n	6	1	8	15	4	10	7	1
13	n	n	n	n	n	n	n	n	n	n	1	27	49	15	2	n	n	3	1	16	17	6	12	9	2
14	n	n	n	n	n	n	n	n	n	n	n	1	13	16	n	n	n	1	n	22	11	5	8	4	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n	22	3	2	3	1	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	5	2	58	11	1	n
Land Segment	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
12	n	n	12	8	7	1	n	3	1	4	6	3	1	n	n	n	1	n	n	n	n	n	1	n	n
13	n	n	15	6	9	2	n	4	2	7	10	6	2	n	n	n	3	n	n	n	n	n	4	n	n
14	n	n	12	2	8	2	n	2	2	4	6	3	n	n	n	n	3	n	n	n	n	n	3	n	n
15	n	n	4	n	2	n	n	n	1	1	1	n	n	n	n	n	1	n	n	n	n	n	1	n	n
16	n	n	9	n	13	2	1	1	64	23	6	1	n	n	n	n	8	5	1	n	n	n	3	2	n
17	n	n	n	n	n	n	n	n	6	1	n	n	n	n	n	n	1	4	2	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n
Land Segment	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
12	n	n	3	2	2	1	n	2	1	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n
13	n	n	2	4	5	2	2	5	3	1	2	n	n	n	n	n	n	n	n	n	2	n	1	n	1
14	n	n	n	3	4	2	2	3	3	1	2	n	n	n	n	n	n	n	1	n	2	n	1	n	n
15	n	n	n	1	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
16	n	n	n	36	12	28	16	29	17	10	22	7	n	n	n	n	4	8	11	7	24	6	16	4	9
17	n	n	n	6	1	24	2	2	1	55	18	14	1	n	n	n	29	29	19	11	26	17	13	14	25
18	n	n	n	n	n	n	n	n	n	5	2	13	n	n	n	n	51	19	9	4	3	13	3	13	14
19	n	n	n	n	n	1	n	n	n	5	3	11	1	n	n	n	6	20	16	17	3	43	4	52	19

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 6 Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
16	8	4	6	n	1	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
17	14	5	10	1	2	2	1	n	n	1	1	1	n	n	n	2	n	n	n	n	n	n	n	n	n
18	7	1	4	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	41	72	40	63	26	13	2	72	40	21	14	11	8	2	n	26	11	60	60	19	1	2	n	n	n
20	n	n	n	7	9	2	n	12	21	13	6	4	1	n	n	11	6	21	17	18	11	10	1	n	n
21	n	n	n	1	1	n	n	1	3	3	3	1	n	n	n	1	3	2	2	6	78	15	1	n	n
22	n	n	n	n	1	n	n	n	n	1	1	1	n	n	n	1	2	n	n	3	2	14	1	n	n
23	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n	n	2	n	n	2	n	22	9	1	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	33	11	2
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	9	2
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	16	6
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	19
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Land Segment	Hypothetical Spill Location																								
	6AC	7AC	8AC	9AC	10AC																				
19	n	n	1	n	n																				
20	n	1	1	n	n																				
21	n	2	1	n	n																				
22	n	2	1	n	n																				
23	n	14	4	1	1																				
24	n	17	3	16	5																				
25	n	n	n	9	2																				
26	1	n	n	8	2																				
27	5	n	n	2	1																				
28	4	n	n	n	n																				
29	2	n	n	n	n																				

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																		
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118	
1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
19	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	n	3
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n
44	n	n	n	n	n	n	n	n	n	n	1	1	2	3	3	3	13	n	n
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	6	n	n
49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
55	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n
58	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1	23	12	4	2	2	4	1	2	9	2	3	1	n	n	n	n	n	n	n	n	n	n	n	1	n
2	10	15	5	1	3	5	2	1	6	2	3	1	1	n	1	n	n	n	n	n	n	n	n	n	n
3	10	27	21	7	10	13	5	4	10	4	4	4	2	1	4	2	1	2	n	n	1	1	n	1	n
4	4	9	16	5	7	6	3	2	5	2	2	3	1	1	2	1	1	1	n	n	1	n	n	n	n
5	8	11	22	11	11	10	6	5	8	3	4	6	3	1	4	3	3	2	1	n	1	1	n	1	n
6	7	9	16	19	13	11	5	4	6	4	3	8	4	1	6	3	3	3	1	1	2	1	1	1	n
7	7	9	12	34	21	13	12	9	8	8	7	20	9	4	12	7	7	7	3	2	4	2	1	3	1
8	4	3	3	18	19	14	20	15	9	11	7	43	28	10	28	18	19	13	9	4	9	5	3	7	3
9	1	n	n	1	3	2	5	4	1	2	2	7	21	11	10	13	10	7	4	3	4	3	2	2	2
10	n	n	n	1	1	1	4	2	1	1	n	4	18	38	8	23	10	5	7	6	2	3	4	1	1
11	n	n	n	n	n	n	n	1	n	n	n	1	5	21	3	7	3	1	2	n	n	1	n	n	n
12	n	n	n	n	n	n	n	n	n	n	n	2	7	1	5	2	1	3	5	1	1	3	n	n	n
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	3	n	1	2	n	n
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	1	n	n
58	18	4	2	1	1	2	1	1	7	2	4	n	n	n	n	n	n	n	n	n	n	n	n	1	n

Land Segment	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	n	1	n	n	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	1	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	1	n	n	1	1	2	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	1	n	n	1	1	2	1	1	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
7	n	3	1	n	2	3	5	3	5	2	1	1	1	1	1	n	n	n	n	n	n	n	n	n	n
8	1	5	2	n	5	4	11	7	12	5	2	1	4	2	2	1	1	2	1	1	n	n	n	n	n
9	1	1	n	n	5	3	8	5	9	5	2	1	3	2	2	1	1	1	1	n	1	n	n	n	n
10	2	n	n	1	14	9	23	13	14	10	6	3	9	5	6	3	2	2	1	1	1	n	n	n	n
11	1	n	n	n	15	6	12	8	5	5	4	2	5	3	3	2	2	2	1	1	n	n	n	n	n
12	2	n	n	n	50	33	16	27	7	14	16	8	24	13	17	12	9	9	6	5	4	3	2	1	1
13	1	n	n	n	2	28	2	9	2	6	16	5	15	9	11	8	6	6	4	4	3	2	2	n	1
14	1	n	n	n	n	5	n	2	n	2	14	4	7	5	4	4	3	2	4	2	2	1	1	n	1
15	n	n	n	n	n	n	n	1	n	n	5	1	2	1	1	1	1	1	1	1	n	1	n	n	n
16	n	n	n	n	n	n	n	n	n	1	20	29	4	20	3	14	11	4	8	3	6	1	4	n	1
17	n	n	n	n	n	n	n	n	n	n	n	18	n	4	n	3	4	n	3	n	2	n	2	n	1
18	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	1	n	1	n	1	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	5	n	1	n	2	3	n	2	n	1	n	1	n	1
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
58	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																										
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75		
8	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
9	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
10	2	1	n	n	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
11	1	n	n	n	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
12	5	3	n	1	n	5	1	5	1	3	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	
13	3	2	n	n	n	3	1	2	1	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	
14	2	1	n	n	n	2	1	2	1	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	
15	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
16	13	7	n	1	1	14	4	10	5	7	3	4	2	2	n	1	n	n	n	n	n	n	n	1	n	n	
17	19	9	n	1	1	11	7	8	4	5	3	3	1	1	n	1	n	n	n	n	n	n	n	1	n	n	
18	10	4	n	n	n	4	3	3	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
19	25	41	41	25	16	18	21	9	10	5	4	2	2	n	1	n	n	n	5	11	4	1	7	3	12	5	
20	n	5	36	23	12	1	6	n	2	n	n	n	n	n	n	n	n	n	25	30	5	2	6	2	7	2	
21	n	1	7	9	8	n	3	n	n	n	n	n	n	n	n	n	n	n	34	19	5	1	6	1	5	1	
22	n	n	1	4	5	n	1	n	n	n	n	n	n	n	n	n	n	n	15	9	5	1	4	1	4	1	
23	n	1	2	6	10	n	1	n	n	n	n	n	n	n	n	n	n	n	15	10	28	5	16	5	7	4	
24	n	n	1	3	6	n	1	n	n	n	n	n	n	n	n	n	n	n	1	4	32	29	18	17	7	9	
25	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	14	2	7	1	3	
26	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	20	3	12	1	5	
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	8	2	9	n	5		
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	3	n	2		
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	
41	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	2	n	n	n	n	n	n	n	n	n	
44	n	n	n	n	n	n	n	n	n	n	1	1	2	2	4	3	5	n	n	n	n	n	n	n	n	n	
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	
46	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	1	1	n	n	n	n	n	n	n	n	n	
55	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	1	n	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table 7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
17	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	2	n	n	1	n	n	2	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	1	n	n
20	1	n	n	1	n	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
21	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	1	n	n	1	n	n	1	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	n	n	n
24	6	1	n	4	2	n	2	1	n	n	2	1	n	n	2	n	n	n	1	n	n	n	n	1	n
25	5	1	n	2	1	n	1	1	n	n	1	1	n	n	1	n	n	n	n	n	n	n	n	1	n
26	12	1	n	6	2	n	3	2	1	n	2	1	n	n	2	1	n	n	1	n	n	n	n	n	n
27	28	4	1	15	7	2	8	5	1	n	4	3	1	n	3	1	1	n	2	1	1	1	n	1	1
28	11	4	1	9	6	2	5	4	1	1	3	2	1	1	2	1	1	n	1	1	1	1	n	n	1
29	3	59	38	12	37	32	8	23	25	14	4	13	17	12	3	5	10	8	2	2	6	6	1	1	1
30	n	12	34	n	5	17	1	4	10	8	1	3	7	7	n	1	5	4	n	1	2	3	n	n	1
31	n	1	14	n	3	16	1	5	10	8	1	3	7	6	n	1	4	4	n	n	3	3	n	n	1
32	n	n	n	n	n	4	n	1	6	7	n	2	5	5	n	1	3	3	n	n	2	2	n	n	1
33	n	n	n	n	n	1	n	n	4	15	n	2	4	7	n	1	4	5	n	n	2	3	n	n	1
34	n	n	n	n	n	n	n	n	2	8	n	n	1	4	n	n	2	2	n	n	1	2	n	n	n
35	n	n	n	n	n	n	n	n	1	8	n	n	3	6	n	n	3	3	n	n	2	2	n	n	1
36	n	n	n	n	n	n	n	n	n	2	n	n	2	9	n	1	2	5	n	n	2	3	n	n	1
37	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	2	15	n	n	2	11	n	n	2
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	6	n	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	E10	E102	E103	E104	E105	E106	E107	E108	E109	E110	E111	E112	E113	E114	E115	E116	E117	E118	E119	E120	E121	E122	E123	E124	E125
26	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	4	4	1	n	n	1	2	2	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
30	2	2	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	2	1	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	1	2	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
33	2	2	n	n	n	n	1	1	1	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n
34	1	1	n	n	n	n	1	1	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n
35	2	1	n	n	n	n	1	1	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
36	2	2	n	n	n	n	1	2	1	n	n	n	n	1	1	n	n	n	n	1	1	1	n	n	n
37	5	7	n	n	n	1	3	5	4	n	n	1	2	3	4	3	n	1	1	1	2	3	3	n	n
38	1	5	n	n	n	n	1	3	3	n	n	n	1	3	3	2	n	1	n	1	2	3	2	n	1
39	1	6	n	n	n	n	1	4	6	n	n	n	n	2	4	3	1	1	1	1	2	3	3	1	1
40	n	2	n	n	n	n	n	2	5	n	n	n	n	1	3	2	n	1	1	n	1	2	2	n	n
41	n	1	n	n	n	n	2	16	1	n	n	n	n	1	8	9	1	1	1	n	1	6	7	1	1
42	n	n	n	n	n	n	n	1	n	n	n	n	n	2	15	1	1	n	n	n	1	8	1	1	1
43	n	n	n	n	n	n	1	n	2	1	1	1	n	n	3	4	4	3	1	1	1	5	3	5	3
44	n	n	n	2	2	2	2	1	1	6	5	6	5	3	2	2	10	11	7	7	5	3	2	11	15
45	n	n	n	n	n	n	n	n	1	1	1	1	1	1	n	n	1	2	1	1	1	1	1	2	2
46	n	n	n	n	n	1	1	n	n	2	2	2	1	1	1	n	2	4	3	2	1	1	1	2	4
49	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	1	1	1	1	n	n	n	n	1	1
50	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	1	1	n	n	n	n	1	1	1
51	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	1	1
55	n	n	1	1	1	n	n	n	1	1	1	1	1	1	n	1	2	1	1	1	1	1	2	2	1

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
16	n	n	n	n	n	n	n	2	n	2	1	1	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	2	1	2	1	1	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	11	5	7	4	3	3	1	1	n	1	n	n	n
20	n	n	n	n	n	n	n	6	3	2	2	1	1	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	3	2	1	1	n	1	n	1	n	n	n	n	n
22	n	n	n	n	n	n	n	2	1	n	1	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	4	3	1	1	n	1	n	1	n	n	n	n	n
24	n	n	n	n	n	n	n	2	6	1	3	n	2	n	1	n	1	n	n	n
25	n	n	n	n	n	n	n	2	n	1	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	3	n	1	n	1	n	1	n	n	n	n	n	n
27	n	n	n	n	n	n	n	4	n	2	n	2	n	1	n	n	n	n	n	n
28	n	n	n	n	n	n	n	2	n	n	n	1	n	1	n	n	n	n	n	n
29	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n
36	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	1	2	3	3	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
38	1	1	2	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
39	1	2	2	3	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
40	n	1	2	2	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	1
41	1	1	4	5	1	1	2	n	n	n	n	n	n	n	n	n	n	1	n	1
42	n	n	1	4	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	1
43	2	1	1	2	3	5	4	n	n	n	n	n	n	n	n	1	n	2	1	2
44	7	5	4	3	11	16	16	n	n	n	n	1	1	2	1	4	2	6	2	8
45	1	1	1	1	1	1	3	n	n	n	n	n	n	n	1	n	1	1	1	1
46	1	2	1	1	3	5	3	n	n	n	n	n	n	1	n	1	1	2	1	2
48	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
50	n	n	n	n	1	1	2	n	n	n	n	n	n	n	n	n	n	n	n	1
51	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
53	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	n	2	2	1	n	n	n	n	n	n	1	1	1	1	1	1	1

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table 7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
1	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	14	2	2	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n
4	9	2	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n
5	24	4	3	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n
6	24	3	3	2	1	1	2	n	n	n	n	n	n	n	n	n	n	n
7	15	12	8	5	5	3	4	n	n	n	n	n	n	n	n	n	n	n
8	5	27	20	13	9	8	9	1	1	n	1	n	n	n	n	n	n	n
9	n	17	14	10	7	6	7	1	n	1	n	n	n	n	n	n	n	n
10	n	9	24	28	23	19	14	3	1	2	1	n	n	n	n	n	n	n
11	n	2	4	7	21	13	5	2	1	1	1	n	n	n	n	n	n	n
12	n	1	2	5	16	32	8	10	6	7	4	1	n	n	n	n	n	n
13	n	n	n	1	1	1	3	6	4	4	2	n	n	n	n	n	n	n
14	n	n	n	n	n	n	n	4	2	3	2	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	22	13	19	12	1	n	n	n	n	1	1
17	n	n	n	n	n	n	n	8	8	13	15	1	n	n	n	n	1	1
18	n	n	n	n	n	n	n	1	2	4	6	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	2	4	13	34	40	21	5	2	6	13	11
20	n	n	n	n	n	n	n	n	n	n	n	26	41	20	12	34	15	10
21	n	n	n	n	n	n	n	n	n	n	n	7	16	29	83	43	11	9
22	n	n	n	n	n	n	n	n	n	n	n	2	4	30	2	6	8	10
23	n	n	n	n	n	n	n	n	n	n	n	3	4	9	1	3	10	20
24	n	n	n	n	n	n	n	n	n	n	n	1	2	1	n	1	5	6
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
58	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
1	3	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
2	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
3	6	7	2	2	n	1	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
4	3	4	1	1	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
5	5	8	2	2	n	1	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
6	5	7	2	4	1	1	3	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
7	9	12	5	8	1	3	6	5	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
8	13	19	9	20	5	8	13	12	4	5	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n					
9	3	4	2	11	2	3	6	9	3	4	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n					
10	2	3	1	18	1	3	4	19	4	7	4	1	1	1	n	n	1	n	n	n	n	1	n	n	1	n					
11	n	n	n	2	n	1	1	1	4	1	2	2	1	1	n	n	1	n	n	n	1	n	n	n	n	n					
12	n	n	n	1	n	1	1	3	2	4	4	3	6	4	1	3	4	n	1	1	3	n	2	3	n	n					
13	n	n	n	n	n	1	n	n	1	1	2	3	5	3	1	1	2	n	1	1	3	n	1	2	n	n					
14	n	n	n	n	n	n	n	n	n	1	1	1	3	3	1	1	2	n	n	1	1	n	1	1	n	n					
15	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	n	n	n	n	n	n	n	n	n					
16	n	n	n	n	n	n	n	n	n	n	n	2	10	7	3	6	9	1	3	5	9	1	6	8	1	2					
17	n	n	n	n	n	n	n	n	n	n	n	n	4	3	1	3	5	1	2	4	9	1	7	9	1	2					
18	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	1	n	n	1	4	1	3	5	n	n					
19	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	2	3	4	1	1	4	14	3	13	23	11					
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	2	2	13	5					
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	14	4					
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	3					
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	4					
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	2					
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n					
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1					
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	2	1	n	1	n	n	n					
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n					
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n					
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n					
58	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																									
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E	
1	47	15	6	1	4	2	2	9	n	1	2	n	n	2	n	1	1	n	n	n	n	1	1	n	n	
2	8	7	4	1	6	3	1	11	n	1	3	1	1	1	n	1	1	n	n	n	n	n	1	1	n	1
3	9	10	6	10	18	7	3	25	1	4	12	2	3	6	n	2	2	1	n	n	n	2	4	1	3	
4	4	5	3	10	9	4	2	12	1	2	7	1	2	5	1	1	2	1	n	n	n	1	3	1	2	
5	6	8	5	53	16	7	3	14	2	8	15	3	4	8	1	3	4	2	1	1	n	2	5	3	3	
6	5	7	4	17	12	6	3	11	3	10	16	4	5	9	1	4	4	1	1	1	n	4	4	3	5	
7	5	8	7	6	17	11	8	12	30	53	25	23	16	22	4	10	10	7	2	1	1	10	13	10	10	
8	2	8	9	n	11	16	13	2	63	20	17	65	64	32	11	23	24	14	7	4	2	28	34	21	19	
9	n	1	2	n	1	4	3	n	n	n	1	1	4	5	17	20	14	8	4	2	1	24	12	10	7	
10	n	n	1	n	n	2	2	n	n	n	n	n	2	3	56	18	12	9	5	2	1	16	9	7	4	
11	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	6	4	3	1	n	n	5	3	2	1	
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	2	2	2	1	n	2	1	1	n	
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n	n	n	
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
58	13	15	5	n	2	1	1	3	n	n	1	n	n	1	n	n	n	n	n	n	1	n	n	n	n	

Land Segment	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	2	1	1	2	3	n	1	n	1	1	n	1	n	n	n	n	n	n	n	n	1	n	n	n	n
4	1	1	n	1	1	n	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	2	1	1	2	4	n	1	n	1	1	n	1	n	1	1	1	n	n	n	n	1	n	n	n	n
6	3	1	1	2	4	n	1	n	1	2	1	1	1	1	1	1	1	1	1	1	n	n	n	n	n
7	6	3	3	9	8	1	4	1	3	6	1	2	1	2	3	3	2	2	2	1	2	1	1	1	1
8	13	9	6	17	21	3	10	2	7	13	3	4	2	4	8	8	6	6	5	2	4	2	4	4	3
9	5	3	2	8	15	4	10	2	6	10	3	4	1	3	6	7	4	4	4	1	3	1	2	3	1
10	4	1	1	7	18	36	45	12	18	19	9	9	6	7	11	14	7	10	9	4	8	3	7	9	7
11	1	n	n	2	6	53	16	44	15	9	9	7	3	5	7	7	2	6	5	3	5	2	5	5	3
12	1	n	n	2	3	1	6	35	38	8	68	37	19	22	23	10	4	22	12	12	25	8	23	23	12
13	n	n	n	1	n	n	n	n	2	2	1	28	50	17	7	4	2	9	4	17	21	8	15	15	6
14	n	n	n	n	n	n	n	n	n	n	n	1	13	17	1	1	1	2	2	23	13	6	10	6	3
15	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n	n	n	n	n	22	4	2	4	2	1
16	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	1	6	3	58	13	2	1
58	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																									
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
5	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	1	n	2	2	1	1	n	1	n	1	1	1	1	1	n	n	1	n	n	n	n	n	n	1	n	n
8	3	1	4	6	3	2	1	2	1	4	3	3	2	1	n	n	2	1	n	n	n	n	n	2	1	n
9	2	1	2	4	2	1	1	2	1	2	3	3	2	1	n	n	1	n	n	n	n	n	n	2	1	n
10	3	1	7	10	6	5	2	6	2	5	7	6	5	2	1	1	5	2	n	n	n	n	n	5	2	1
11	1	n	4	6	4	3	2	4	2	4	5	4	3	1	1	n	3	1	n	n	n	n	n	3	2	1
12	3	1	22	24	20	15	9	20	5	16	20	20	13	7	4	1	14	6	3	2	1	n	16	9	5	
13	2	1	18	11	13	9	7	12	4	12	15	13	8	5	3	1	9	4	2	1	1	n	12	7	4	
14	1	n	14	3	10	6	3	5	2	6	8	5	3	2	1	n	5	2	1	1	1	1	6	3	3	
15	n	n	5	1	3	2	1	1	1	2	2	1	1	1	n	n	2	n	1	n	n	n	2	1	1	
16	n	1	10	1	14	6	7	3	65	25	8	3	2	2	2	1	15	13	9	6	3	2	1	7	9	7
17	n	n	n	n	n	n	1	n	n	2	n	n	n	n	n	n	2	8	6	3	2	1	n	3	3	
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	1	1	n	n	n	n	
19	n	n	n	n	n	n	1	1	n	1	n	n	n	n	n	n	1	5	8	4	1	n	n	1	2	
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	2	n	n	n
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n

Land Segment	Hypothetical Spill Location																									
	180	190	200	1P	2P	10	20	30	40	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V	
7	n	n	1	n	1	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	5	2	2	2	1	2	1	1	1	n	n	n	n	n	n	n	1	1	n	1	n	1	n	1
9	n	n	4	1	2	1	1	2	2	1	1	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n
10	n	n	9	4	6	3	4	4	4	1	3	1	n	n	n	n	n	1	1	2	2	3	1	3	1	1
11	n	n	5	2	4	2	3	3	3	1	1	1	n	n	n	n	n	1	1	1	1	1	1	2	n	1
12	3	1	15	11	16	8	12	13	14	3	9	4	1	n	n	n	n	1	2	5	5	7	3	8	2	4
13	2	2	8	7	11	5	7	9	9	2	5	3	1	n	n	n	n	1	2	3	3	4	2	5	1	3
14	2	1	3	5	6	3	4	5	5	1	3	1	1	n	n	n	n	1	2	2	3	n	4	1	1	
15	n	n	1	1	2	1	1	2	1	n	1	n	n	n	n	n	n	n	1	1	1	n	1	n	n	
16	4	2	1	39	16	31	22	33	22	12	27	12	5	3	1	n	5	9	15	12	27	8	21	5	12	
17	2	1	n	6	2	25	4	3	2	56	19	17	4	2	1	n	30	30	21	14	27	18	14	14	27	
18	n	n	n	n	n	1	n	n	n	5	2	14	2	n	n	n	51	20	9	6	3	14	4	14	15	
19	1	1	n	n	n	2	1	1	1	6	4	15	6	2	1	n	7	23	19	22	5	44	6	53	22	
41	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	4	n	n	n	n	n	n	n
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table 7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																									
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC	
8	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
10	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
11	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
12	4	2	3	1	1	2	1	n	n	n	n	1	1	n	n	1	n	n	n	n	n	n	n	n	n	
13	2	1	2	n	1	1	1	n	n	n	n	1	1	n	n	n	1	n	n	n	n	n	n	n	n	
14	1	1	2	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
16	10	5	9	1	3	4	5	n	n	1	1	2	3	3	2	2	1	n	n	n	n	n	n	n	n	
17	15	5	11	1	3	6	5	n	1	2	2	2	3	3	2	3	1	n	n	1	n	n	n	n	n	
18	8	2	5	1	1	2	2	n	n	n	n	1	1	1	1	1	n	n	n	n	n	n	n	n	n	
19	43	73	43	65	32	23	11	73	43	27	23	21	21	12	4	32	19	62	61	23	2	6	3	2	2	
20	n	1	1	11	17	6	1	15	28	23	16	12	8	5	1	19	16	26	22	27	13	15	3	1	1	
21	n	n	n	n	3	5	2	n	3	7	9	9	7	5	2	n	5	10	4	5	13	79	19	2	1	n
22	n	n	n	n	1	3	1	n	1	1	4	5	5	2	1	n	3	6	1	1	5	3	15	2	1	1
23	n	n	n	n	1	3	1	n	2	3	4	6	5	3	1	n	3	8	1	2	6	1	24	12	2	1
24	n	n	n	n	1	2	1	n	1	1	2	3	3	1	n	n	2	4	1	1	3	1	9	38	16	7
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	11	4	
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	6	18	11
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	16	24	
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	11	
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
17	n	n	1	n	n
19	2	6	9	3	5
20	1	5	8	2	3
21	n	5	5	1	2
22	n	4	4	1	1
23	1	19	11	5	5
24	3	24	10	25	15
25	1	1	1	11	5
26	5	3	1	12	7
27	12	2	1	6	4
28	7	n	n	1	1
29	7	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
1	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	5	1	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n
4	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	4	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
6	3	1	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n
7	4	2	n	n	2	n	n	n	n	n	1	1	n	n	n	n	n	n
8	5	4	1	n	2	1	1	n	n	n	1	1	n	n	n	n	n	n
9	1	1	1	n	1	n	1	n	n	n	1	n	n	n	n	n	n	n
10	n	n	1	1	n	1	1	n	n	n	1	1	n	n	n	n	n	n
11	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1
12	n	n	n	n	2	n	n	2	n	n	n	1	1	n	n	n	n	3
13	n	n	n	1	n	n	1	n	n	n	n	1	1	n	n	n	n	1
14	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1
16	n	n	n	2	n	n	1	1	2	n	n	1	1	1	2	n	n	4
17	n	n	n	n	1	n	n	n	1	1	n	n	n	1	2	n	n	2
18	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1
19	n	n	n	1	n	n	n	1	3	2	n	n	n	1	2	n	n	4
20	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
41	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n
42	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
43	n	n	n	n	n	n	1	2	2	2	1	2	1	2	1	1	4	n
44	n	n	n	n	1	1	2	5	5	5	5	5	7	8	7	6	15	n
45	n	n	n	n	n	n	n	1	1	1	n	n	1	1	1	1	3	n
46	n	n	n	n	n	n	1	1	1	1	1	1	2	2	2	1	6	n
49	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	2	n
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	n
51	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n
55	n	n	n	n	n	n	n	1	1	1	1	1	1	1	1	1	n	n
58	6	3	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 8. Combined probabilities (expressed as percent chance) of one or more spills greater than or equal to 1,000 barrels, and the estimated number of spills (mean), occurring and contacting a certain environmental resource over the assumed production life of the lease area, Western Gulf Planning Area, Gulf of Mexico OCS Lease Sale 161

Environmental Resource	----- Within 3 days -----		----- Within 10 days -----		----- Within 30 days -----							
	Western Proposed	Western High	Western Proposed	Western High	Western Proposed	Western High						
	(WP)	(WH)	(WP)	(WH)	(WP)	(WH)						
	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean						
Land	1	0.0	2	0.0	2	0.0	5	0.0	4	0.0	11	0.1
Galveston Bay	n	0.0	1	0.0	n	0.0	1	0.0	n	0.0	1	0.0
Aransas Refuge	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
Tamaulipas, Mexico	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Mobile Bay	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Timbalier Bay	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Barataria Bay	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Mississippi Sound	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Caminada Headland	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
W.Plaquemines C.Barr.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Chan/Bret Coast.Barr.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
E.Deltaic Plain Marsh.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
W. Winter Menhaden	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
C. Winter Menhaden	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Big Bend Seagrass	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Florida Middle Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Survey Block 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Survey Block 2	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Survey Block 3	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Survey Block 4	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Survey Block 5	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Survey Block 6	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Survey Block 7	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Fla. Keys NMS	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Flower Garden NMS	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
Tex. Coastal Waters	1	0.0	2	0.0	2	0.0	5	0.1	4	0.0	10	0.1
La. Coastal Waters	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
Miss. Coastal Waters	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Ala. Coastal Waters	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Fla. Coastal Waters	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Florida Bay Seagrass	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Dry Tortugas	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 8. Combined probabilities (expressed as percent chance) of one or more spills greater than or equal to 1,000 barrels, and the estimated number of spills (mean), occurring and contacting a certain environmental resource over the assumed production life of the lease area, Western Gulf Planning Area, Gulf of Mexico OCS Lease Sale 161

Environmental Resource	----- Within 3 days -----		----- Within 10 days -----		----- Within 30 days -----	
	Western Proposed	Western High	Western Proposed	Western High	Western Proposed	Western High
	(WP) Prob Mean	(WH) Prob Mean	(WP) Prob Mean	(WH) Prob Mean	(WP) Prob Mean	(WH) Prob Mean
S.Padre Is.Coast.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
N.Padre Is.Coast.Barr.	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0	1 0.0
Mustang Is.Coast.Barr.	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0	1 0.0
St.Joseph Is.Ct.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
Matagorda Is.Ct.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0
Matagorda Pen.C.Barr.	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0	2 0.0
Brazos Headland C.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
Gal/Bol Pen. Ct.Barr.	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0	1 0.0
Rollover Pass/Sabine	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Laguna Madre Seagrass	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0	2 0.0
C.C.Bay Seagrass	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0	1 0.0
Esp.San./Mat.Seagrass	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0	3 0.0
Galveston Seagrass	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0	1 0.0
Esp.San./Mat.Bay	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0	3 0.0
Galveston Bay	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0	1 0.0
C.Tex. Coast.Marshes	n 0.0	n 0.0	1 0.0	1 0.0	2 0.0	4 0.0
E.Tx. Coast.Marshes	n 0.0	1 0.0	n 0.0	1 0.0	1 0.0	2 0.0
Bra/S.Padre Is.Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
Padre/Mustang Rec.Beach	n 0.0	1 0.0	1 0.0	1 0.0	1 0.0	2 0.0
Matagorda Is.Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0
Matagorda Ct.Rec.Beach	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0	2 0.0
Brazoria Ct.Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
Gal/Bol Pen.Rec.Beach	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0	1 0.0
Sea Rim Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Chenier Pl.Ct.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
Grd Is/Grd Ter.C.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Dauphin Is. Ct.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Gulf Shores Ct.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Mobile/Per. Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Verm/Atch. Bay	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Mobile Bay	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Chenier Pl. Marshes	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0

Note: ** = Greater than 99.5%; n = Less than 0.5%

Table 8. Combined probabilities (expressed as percent chance) of one or more spills greater than or equal to 1,000 barrels, and the estimated number of spills (mean), occurring and contacting a certain environmental resource over the assumed production life of the lease area, Western Gulf Planning Area, Gulf of Mexico OCS Lease Sale 161

Environmental Resource	----- Within 3 days -----		----- Within 10 days -----		----- Within 30 days -----	
	Western Proposed (WP) Prob Mean	Western High (WH) Prob Mean	Western Proposed (WP) Prob Mean	Western High (WH) Prob Mean	Western Proposed (WP) Prob Mean	Western High (WH) Prob Mean
Cameron Parish Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Fouchon Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Grd Is. Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Miss.Main.Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Dauphin Is.Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Gulf Shores Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Emerald Ct.Ct.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
St.Joe Spit Ct.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Appalachicola C.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Sw Fla. Ct.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Santa Rosa Sd Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Choctawhat.Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
St.And.Bay/Sd.Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
St.Joe Bay Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Appalach.B.Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Tampa/Sar B.Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Char.Har.Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Esc/Peñ.Bay/St.Rosa	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Choctawhatchee Bay	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
St. Andrew Bay	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
St. Joseph Bay	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Appalachicola Bays	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Tampa/Sarasota Bays	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Charlotte Harbor	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Appalach.Bay Marshes	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Big Bend Marshes	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Emerald Ct.Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Panama City Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
St.Joe Spit Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Franklin Ct.Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
C. Fla. Rec. Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Everglades Manatee	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Tampa Bay Mangroves	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Char.Har. Mangroves	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Everglades Mangroves	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0

Note: ** = Greater than 99.5%; n = Less than 0.5%

Table 9. Combined probabilities (expressed as percent chance) of one or more spills greater than or equal to 1,000 barrels, and the estimated number of spills (mean), occurring and contacting a certain land segment over the assumed production life of the lease area, Western Gulf Planning Area, Gulf of Mexico OCS Lease Sale 161

Land Segment	----- Within 3 days -----		----- Within 10 days -----		----- Within 30 days -----	
	Western Proposed (WP) Prob Mean	Western High (WH) Prob Mean	Western Proposed (WP) Prob Mean	Western High (WH) Prob Mean	Western Proposed (WP) Prob Mean	Western High (WH) Prob Mean
1	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
3	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
5	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0	1 0.0
6	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
7	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0
8	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0	2 0.0
9	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
10	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0	1 0.0

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 10. Combined probabilities (expressed as percent chance) of one or more spills greater than or equal to 1,000 barrels, and the estimated number of spills (mean), occurring and contacting a certain environmental resource over the assumed production life of the lease area, Central Gulf Planning Area, Gulf of Mexico OCS Lease Sale 157

Environmental Resource	----- Within 3 days -----		----- Within 10 days -----		----- Within 30 days -----	
	Central Proposed (CP)	Central High (CH)	Central Proposed (CP)	Central High (CH)	Central Proposed (CP)	Central High (CH)
	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean
Land	2 0.0	5 0.0	5 0.0	10 0.1	10 0.1	21 0.2
Galveston Bay	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0
Aransas Refuge	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Tamaulipas, Mexico	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Mobile Bay	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Timbalier Bay	1 0.0	3 0.0	2 0.0	4 0.0	2 0.0	5 0.0
Barataria Bay	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0	1 0.0
Mississippi Sound	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Caminada Headland	n 0.0	1 0.0	1 0.0	1 0.0	1 0.0	2 0.0
W. Plaquemines C. Barr.	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0	2 0.0
Chan/Bret Coast. Barr.	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0	1 0.0
E. Deltaic Plain Marsh.	1 0.0	2 0.0	1 0.0	2 0.0	1 0.0	2 0.0
W. Winter Menhaden	1 0.0	3 0.0	2 0.0	5 0.1	3 0.0	7 0.1
C. Winter Menhaden	n 0.0	n 0.0	1 0.0	1 0.0	1 0.0	2 0.0
Big Bend Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Florida Middle Grounds	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Survey Block 1	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Survey Block 2	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
Survey Block 3	n 0.0	1 0.0	1 0.0	1 0.0	1 0.0	2 0.0
Survey Block 4	n 0.0	1 0.0	1 0.0	3 0.0	2 0.0	4 0.0
Survey Block 5	1 0.0	3 0.0	2 0.0	5 0.0	3 0.0	6 0.1
Survey Block 6	1 0.0	3 0.0	2 0.0	5 0.0	3 0.0	6 0.1
Survey Block 7	1 0.0	3 0.0	2 0.0	5 0.0	3 0.0	6 0.1
Fla. Keys NMS	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Flower Garden NMS	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Tex. Coastal Waters	n 0.0	n 0.0	n 0.0	n 0.0	2 0.0	4 0.0
La. Coastal Waters	3 0.0	7 0.1	6 0.1	12 0.1	9 0.1	19 0.2
Miss. Coastal Waters	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Ala. Coastal Waters	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Fla. Coastal Waters	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Florida Bay Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Dry Tortugas	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0

Note: ** = Greater than 99.5%; n = Less than 0.5%

Table 10. Combined probabilities (expressed as percent chance) of one or more spills greater than or equal to 1,000 barrels, and the estimated number of spills (mean), occurring and contacting a certain environmental resource over the assumed production life of the lease area, Central Gulf Planning Area, Gulf of Mexico OCS Lease Sale 157

Environmental Resource	----- Within 3 days -----		----- Within 10 days -----		----- Within 30 days -----	
	Central Proposed (CP)	Central High (CH)	Central Proposed (CP)	Central High (CH)	Central Proposed (CP)	Central High (CH)
	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean
S. Padre Is. Coast. Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
N. Padre Is. Coast. Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Mustang Is. Coast. Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
St. Joseph Is. Ct. Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Matagorda Is. Ct. Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Matagorda Pen. C. Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
Brazos Headland C. Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Gal/Bol Pen. Ct. Barr.	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0
Rollover Pass/Sabine	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
Laguna Madre Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
C.C. Bay Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Esp. San./Mat. Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
Galveston Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0
Esp. San./Mat. Bay	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
Galveston Bay	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0
C. Tex. Coast. Marshes	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
E. Tex. Coast. Marshes	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	3 0.0
Bra/S. Padre Is. Rec. Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Padre/Mustang Rec. Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Matagorda Is. Rec. Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Matagorda Ct. Rec. Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
Brazoria Ct. Rec. Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Gal/Bol Pen. Rec. Beach	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0
Sea Rim Rec. Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
Chenier Pl. Ct. Barr.	n 0.0	n 0.0	1 0.0	2 0.0	3 0.0	7 0.1
Grd Is/Grd Ter. C. Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Dauphin Is. Ct. Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Gulf Shores Ct. Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Mobile/Per. Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Verm/Ach. Bay	n 0.0	n 0.0	1 0.0	1 0.0	1 0.0	2 0.0
Mobile Bay	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Chenier Pl. Marshes	n 0.0	n 0.0	1 0.0	2 0.0	3 0.0	7 0.1

Note: ** = Greater than 99.5%; n = Less than 0.5%

Table 10. Combined probabilities (expressed as percent chance) of one or more spills greater than or equal to 1,000 barrels, and the estimated number of spills (mean), occurring and contacting a certain environmental resource over the assumed production life of the lease area, Central Gulf Planning Area, Gulf of Mexico OCS Lease Sale 157

Environmental Resource	----- Within 3 days -----		----- Within 10 days -----		----- Within 30 days -----	
	Central Proposed (CP)	Central High (CH)	Central Proposed (CP)	Central High (CH)	Central Proposed (CP)	Central High (CH)
	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean
Cameron Parish Beach	n 0.0	n 0.0	n 0.0	1 0.0	2 0.0	4 0.0
Fouchon Rec.Beach	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0	1 0.0
Grd Is. Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Miss.Main.Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Dauphin Is.Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Gulf Shores Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Emerald Ct.Ct.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
St.Joe Spit Ct.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Appalachicola C.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
SW Fla. Ct.Barr.	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Santa Rosa Sd Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Choctawhat.Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
St.And.Bay/Sd.Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
St.Joe Bay Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Appalach.B.Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Tampa/Sar B.Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Char.Har.Seagrass	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Esc/Pen.Bay/St.Rosa	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Choctawhatchee Bay	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
St. Andrew Bay	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
St. Joseph Bay	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Appalachicola Bays	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Tampa/Sarasota Bays	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Charlotte Harbor	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Appalach.Bay Marsh	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Big Bend Marshes	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Emerald Ct.Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Panama City Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
St.Joe Spit Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Franklin Ct.Rec.Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
C. Fla. Rec. Beach	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Everglades Manatee	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Tampa Bay Mangroves	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Char.Har. Mangroves	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0
Everglades Mangroves	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0

Note: ** = Greater than 99.5%; n = Less than 0.5%

Table 11. Combined probabilities (expressed as percent chance) of one or more spills greater than or equal to 1,000 barrels, and the estimated number of spills (mean), occurring and contacting a certain land segment over the assumed production life of the lease area, Central Gulf Planning Area, Gulf of Mexico OCS Lease Sale 157

Land Segment	----- Within 3 days -----		----- Within 10 days -----		----- Within 30 days -----	
	Central Proposed (CP)	Central High (CH)	Central Proposed (CP)	Central High (CH)	Central Proposed (CP)	Central High (CH)
	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean
8	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
10	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0
11	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
12	n 0.0	n 0.0	n 0.0	1 0.0	2 0.0	4 0.0
13	n 0.0	n 0.0	1 0.0	1 0.0	1 0.0	3 0.0
14	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0	2 0.0
16	1 0.0	3 0.0	2 0.0	5 0.0	3 0.0	6 0.1
17	n 0.0	n 0.0	n 0.0	1 0.0	1 0.0	1 0.0
19	n 0.0	1 0.0	1 0.0	2 0.0	1 0.0	2 0.0
20	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table 12. Combined probabilities (expressed as percent chance) of one or more spills greater than or equal to 1,000 barrels, and the estimated number of spills (mean), occurring and contacting a certain environmental resource over the assumed production life of the lease area, Central and Western Gulf Planning Areas, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resources	----- Within 3 days -----				----- Within 10 days -----				----- Within 30 days -----			
	Imports (I)		Gulfwide (GW)		Imports (I)		Gulfwide (GW)		Imports (I)		Gulfwide (GW)	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	28	0.3	84	1.8	73	1.3	98	3.8	99	4.3	**	6.9
Galveston Bay	15	0.2	12	0.1	25	0.3	18	0.2	41	0.5	43	0.6
Aransas Refuge	n	0.0	1	0.0	3	0.0	4	0.0	15	0.2	19	0.2
Tamaulipas, Mexico	n	0.0	n	0.0	1	0.0	1	0.0	15	0.2	2	0.0
Mobile Bay	1	0.0	1	0.0	3	0.0	3	0.0	5	0.1	7	0.1
Timbalier Bay	3	0.0	38	0.5	11	0.1	48	0.7	24	0.3	54	0.8
Barataria Bay	3	0.0	40	0.5	8	0.1	47	0.6	16	0.2	51	0.7
Mississippi Sound	4	0.0	5	0.1	5	0.1	8	0.1	7	0.1	12	0.1
Caminada Headland	4	0.0	34	0.4	10	0.1	44	0.6	19	0.2	49	0.7
W. Plaquemines C. Barr.	8	0.1	45	0.6	12	0.1	51	0.7	24	0.3	56	0.8
Chan/Bret Coast. Barr.	1	0.0	13	0.1	4	0.0	23	0.3	9	0.1	28	0.3
E. Deltaic Plain Marsh	1	0.0	46	0.6	4	0.0	51	0.7	13	0.1	53	0.8
W. Winter Menhaden	n	0.0	47	0.6	7	0.1	67	1.1	25	0.3	75	1.4
C. Winter Menhaden	14	0.1	39	0.5	22	0.2	46	0.6	32	0.4	51	0.7
Big Bend Seagrass	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0
Florida Middle Grounds	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	n	0.0
Survey Block 1	9	0.1	2	0.0	13	0.1	4	0.0	25	0.3	8	0.1
Survey Block 2	2	0.0	8	0.1	8	0.1	12	0.1	23	0.3	16	0.2
Survey Block 3	2	0.0	17	0.2	8	0.1	23	0.3	28	0.3	29	0.3
Survey Block 4	20	0.2	22	0.2	32	0.4	33	0.4	53	0.8	41	0.5
Survey Block 5	33	0.4	21	0.2	46	0.6	32	0.4	65	1.1	40	0.5
Survey Block 6	24	0.3	22	0.2	38	0.5	33	0.4	61	0.9	42	0.6
Survey Block 7	8	0.1	22	0.2	29	0.3	34	0.4	57	0.8	43	0.6
Fla. Keys NMS	7	0.1	n	0.0	34	0.4	n	0.0	86	2.0	1	0.0
Flower Garden NMS	1	0.0	3	0.0	7	0.1	7	0.1	21	0.2	18	0.2
Tex. Coastal Waters	28	0.3	28	0.3	55	0.8	51	0.7	84	1.8	88	2.2
La. Coastal Waters	20	0.2	93	2.6	41	0.5	98	3.9	79	1.5	99	5.2
Miss. Coastal Waters	5	0.1	6	0.1	6	0.1	10	0.1	8	0.1	14	0.1
Ala. Coastal Waters	1	0.0	2	0.0	4	0.0	5	0.0	8	0.1	11	0.1
Fla. Coastal Waters	2	0.0	n	0.0	29	0.3	n	0.0	82	1.7	5	0.1
Florida Bay Seagrass	n	0.0	n	0.0	10	0.1	n	0.0	50	0.7	n	0.0
Dry Tortugas	1	0.0	n	0.0	9	0.1	n	0.0	31	0.4	n	0.0

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 12. Combined probabilities (expressed as percent chance) of one or more spills greater than or equal to 1,000 barrels, and the estimated number of spills (mean), occurring and contacting a certain environmental resource over the assumed production life of the lease area, Central and Western Gulf Planning Areas, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resources	----- Within 3 days -----		----- Within 10 days -----		----- Within 30 days -----	
	Imports	Gulfwide	Imports	Gulfwide	Imports	Gulfwide
	(1) Prob Mean	(GW) Prob Mean	(1) Prob Mean	(GW) Prob Mean	(1) Prob Mean	(GW) Prob Mean
S. Padre Is. Coast. Barr.	n 0.0	1 0.0	1 0.0	1 0.0	5 0.1	4 0.0
N. Padre Is. Coast. Barr.	1 0.0	n 0.0	4 0.0	3 0.0	11 0.1	9 0.1
Mustang Is. Coast. Barr.	2 0.0	2 0.0	4 0.0	3 0.0	9 0.1	8 0.1
St. Joseph Is. Ct. Barr.	3 0.0	1 0.0	4 0.0	2 0.0	10 0.1	8 0.1
Matagorda Is. Ct. Barr.	1 0.0	1 0.0	4 0.0	5 0.0	15 0.2	17 0.2
Matagorda Pen. C. Barr.	n 0.0	2 0.0	8 0.1	11 0.1	28 0.3	34 0.4
Brazos Headland C. Barr.	2 0.0	3 0.0	8 0.1	9 0.1	20 0.2	23 0.3
Gal/Bol Pen. Ct. Barr.	10 0.1	9 0.1	23 0.3	16 0.2	38 0.5	42 0.5
Rollover Pass/Sabine	1 0.0	2 0.0	7 0.1	6 0.1	16 0.2	25 0.3
Laguna Madre Seagrass	1 0.0	1 0.0	4 0.0	4 0.0	16 0.2	12 0.1
C.C. Bay Seagrass	2 0.0	2 0.0	4 0.0	3 0.0	9 0.1	8 0.1
Esp. San./Mat. Seagrass	1 0.0	4 0.0	12 0.1	16 0.2	38 0.5	45 0.6
Galveston Seagrass	10 0.1	9 0.1	23 0.3	16 0.2	38 0.5	42 0.5
Esp. San./Matagorda Bay	1 0.0	4 0.0	12 0.1	16 0.2	38 0.5	45 0.6
Galveston Bay	10 0.1	9 0.1	23 0.3	16 0.2	38 0.5	42 0.5
C. Tex. Coast. Marshes	3 0.0	4 0.0	16 0.2	18 0.2	44 0.6	49 0.7
E. Tex. Coast. Marshes	13 0.1	14 0.2	34 0.4	28 0.3	58 0.9	67 1.1
Bfa/S. Padre Is. Rec. Beach	n 0.0	1 0.0	n 0.0	1 0.0	3 0.0	2 0.0
Padre/Mustang Rec. Beach	3 0.0	2 0.0	8 0.1	6 0.1	19 0.2	16 0.2
Matagorda Is. Rec. Beach	1 0.0	1 0.0	4 0.0	5 0.0	15 0.2	17 0.2
Matagorda Ct. Rec. Beach	n 0.0	2 0.0	8 0.1	11 0.1	28 0.3	34 0.4
Brazoria Ct. Rec. Beach	2 0.0	3 0.0	8 0.1	9 0.1	20 0.2	23 0.3
Galveston/Bol. Pen. Rec. Beach	10 0.1	9 0.1	23 0.3	16 0.2	38 0.5	42 0.5
Sea Rim Rec. Beach	1 0.0	2 0.0	7 0.1	6 0.1	16 0.2	25 0.3
Chenier Pl. Ct. Barr.	4 0.0	14 0.1	9 0.1	48 0.7	37 0.5	79 1.6
Grd Is/Grd Ter. C. Beach	n 0.0	9 0.1	2 0.0	14 0.2	4 0.0	16 0.2
Dauphin Is. Ct. Barr.	n 0.0	n 0.0	1 0.0	1 0.0	2 0.0	3 0.0
Gulf Shores Ct. Barr.	n 0.0	n 0.0	1 0.0	1 0.0	3 0.0	4 0.0
Mobile/Perdido Seagrass	1 0.0	1 0.0	3 0.0	3 0.0	5 0.1	7 0.1
Vermilion/Atchafalaya Bays	n 0.0	9 0.1	1 0.0	24 0.3	9 0.1	35 0.4
Mobile Bay	1 0.0	1 0.0	3 0.0	3 0.0	5 0.1	7 0.1
Chenier Pl. Marshes	4 0.0	14 0.1	9 0.1	48 0.7	37 0.5	79 1.6

Note: ** = Greater than 99.5%; n = less than 0.5%.

Table 12. Combined probabilities (expressed as percent chance) of one or more spills greater than or equal to 1,000 barrels, and the estimated number of spills (mean), occurring and contacting a certain environmental resource over the assumed production life of the lease area, Central and Western Gulf Planning Areas, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resources	----- Within 3 days -----		----- Within 10 days -----		----- Within 30 days -----							
	Imports	Gulfwide	Imports	Gulfwide	Imports	Gulfwide						
	(I)	(GW)	(I)	(GW)	(I)	(GW)						
	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean						
Cameron Parish Beach	4	0.0	6	0.1	8	0.1	28	0.3	62	1.0		
Fouchon Rec.Beach	1	0.0	19	0.2	5	0.1	29	0.3	13	0.1	34	0.4
Grd Is. Rec.Beach	n	0.0	9	0.1	2	0.0	14	0.2	4	0.0	16	0.2
Miss.Main.Rec.Beach	3	0.0	5	0.0	5	0.1	8	0.1	7	0.1	12	0.1
Dauphin Is.Rec.Beach	n	0.0	n	0.0	1	0.0	1	0.0	2	0.0	3	0.0
Gulf Shores Rec.Beach	n	0.0	n	0.0	1	0.0	1	0.0	3	0.0	4	0.0
Emerald Ct.Ct.Barr.	n	0.0	n	0.0	n	0.0	n	0.0	3	0.0	2	0.0
St.Joe Spit Ct.Barr.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Appalachicola C.Barr.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sw Fla. Ct.Barr.	n	0.0	n	0.0	n	0.0	n	0.0	8	0.1	n	0.0
Santa Rosa Sd Seagrass	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0
Choctawhat.Seagrass	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
St.And.Bay/Sd.Seagrass	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
St.Joe Bay Seagrass	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Appalach.B.Seagrass	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Tampa/Sar B.Seagrass	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0
Char.Har.Seagrass	n	0.0	n	0.0	n	0.0	n	0.0	5	0.0	n	0.0
Esc/Pen.Bay/St.Rosa	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0
Choctawhatchee Bay	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
St. Andrew Bay	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
St. Joseph Bay	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Appalachicola Bays	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Tampa/Sarasota Bays	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0
Charlotte Harbor	n	0.0	n	0.0	n	0.0	n	0.0	5	0.0	n	0.0
Appalach.Bay Marsh	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Big Bend Marshes	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Emerald Ct.Rec.Beach	n	0.0	n	0.0	n	0.0	n	0.0	3	0.0	2	0.0
Panama City Rec.Beach	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
St.Joe Spit Rec.Beach	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Franklin Ct.Rec.Beach	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
C. Fla. Rec. Beach	n	0.0	n	0.0	n	0.0	n	0.0	8	0.1	n	0.0
Everglades Manatee	n	0.0	n	0.0	11	0.1	n	0.0	50	0.7	n	0.0
Tampa Bay Mangroves	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0
Char.Har. Mangroves	n	0.0	n	0.0	n	0.0	n	0.0	5	0.0	n	0.0
Everglades Mangroves	n	0.0	n	0.0	11	0.1	n	0.0	50	0.7	n	0.0

Note: ** = Greater than 99.5%; n = less than 0.5%.

Table 13. Combined probabilities (expressed as percent chance) of one or more spills greater than or equal to 1,000 barrels, and the estimated number of spills (mean), occurring and contacting a certain land segment over the assumed production life of the lease area, Central and Western Gulf Planning Areas, Gulf of Mexico OCS Lease Sales 157 and 161.

Land Segments	----- Within 3 days -----		----- Within 10 days -----		----- Within 30 days -----	
	Imports (I)	Gulfwide (GW)	Imports (I)	Gulfwide (GW)	Imports (I)	Gulfwide (GW)
	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean
1	n 0.0	1 0.0	n 0.0	1 0.0	3 0.0	2 0.0
2	n 0.0	n 0.0	n 0.0	n 0.0	2 0.0	2 0.0
3	n 0.0	n 0.0	2 0.0	2 0.0	7 0.1	5 0.1
4	n 0.0	n 0.0	1 0.0	1 0.0	4 0.0	3 0.0
5	2 0.0	2 0.0	4 0.0	3 0.0	9 0.1	8 0.1
6	3 0.0	1 0.0	4 0.0	2 0.0	10 0.1	8 0.1
7	1 0.0	1 0.0	4 0.0	5 0.0	15 0.2	17 0.2
8	n 0.0	2 0.0	8 0.1	11 0.1	28 0.3	34 0.4
9	2 0.0	3 0.0	8 0.1	9 0.1	20 0.2	23 0.3
10	10 0.1	9 0.1	23 0.3	16 0.2	38 0.5	42 0.5
11	1 0.0	2 0.0	7 0.1	6 0.1	16 0.2	25 0.3
12	4 0.0	6 0.1	8 0.1	28 0.3	28 0.3	62 1.0
13	n 0.0	8 0.1	n 0.0	28 0.3	13 0.1	45 0.6
14	n 0.0	6 0.1	n 0.0	19 0.2	7 0.1	28 0.3
15	n 0.0	3 0.0	n 0.0	7 0.1	2 0.0	10 0.1
16	n 0.0	37 0.5	8 0.1	54 0.8	22 0.3	62 1.0
17	1 0.0	19 0.2	5 0.1	29 0.3	13 0.1	34 0.4
18	n 0.0	9 0.1	2 0.0	14 0.2	4 0.0	16 0.2
19	3 0.0	41 0.5	8 0.1	54 0.8	18 0.2	59 0.9
20	1 0.0	3 0.0	3 0.0	14 0.1	6 0.1	20 0.2
21	3 0.0	5 0.1	5 0.1	8 0.1	7 0.1	13 0.1
22	n 0.0	1 0.0	1 0.0	2 0.0	2 0.0	4 0.0
23	n 0.0	1 0.0	1 0.0	2 0.0	3 0.0	5 0.0
24	n 0.0	n 0.0	n 0.0	1 0.0	2 0.0	3 0.0
26	n 0.0	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0
38	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0
39	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0
40	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0
41	n 0.0	n 0.0	n 0.0	n 0.0	3 0.0	n 0.0
42	n 0.0	n 0.0	n 0.0	n 0.0	2 0.0	n 0.0
43	n 0.0	n 0.0	2 0.0	n 0.0	15 0.2	n 0.0
44	n 0.0	n 0.0	9 0.1	n 0.0	40 0.5	n 0.0
45	n 0.0	n 0.0	1 0.0	n 0.0	6 0.1	n 0.0
46	n 0.0	n 0.0	3 0.0	n 0.0	13 0.1	n 0.0
47	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0
48	n 0.0	n 0.0	n 0.0	n 0.0	1 0.0	n 0.0
49	n 0.0	n 0.0	1 0.0	n 0.0	3 0.0	n 0.0
50	n 0.0	n 0.0	n 0.0	n 0.0	3 0.0	n 0.0
51	n 0.0	n 0.0	n 0.0	n 0.0	2 0.0	n 0.0
55	n 0.0	n 0.0	1 0.0	n 0.0	6 0.1	n 0.0
58	n 0.0	n 0.0	n 0.0	n 0.0	5 0.0	1 0.0

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Appendix A

Environmental Resource Locations

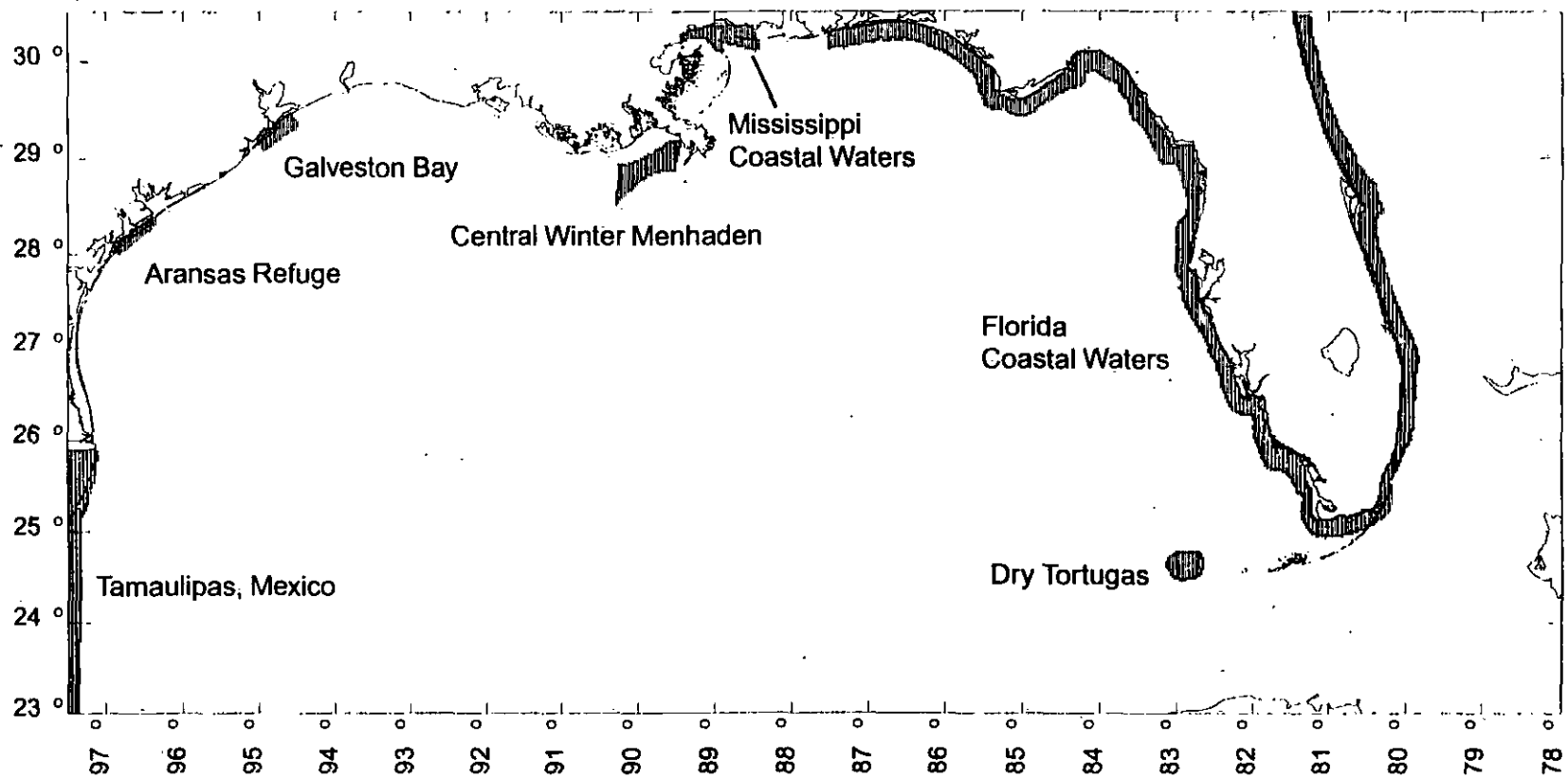


Figure A-1. Locations of Tamaulipas, Mexico; Aransas Refuge; Galveston Bay; central winter menhaden; Mississippi coastal waters; Florida coastal waters; and Dry Tortugas, Gulf of Mexico OCS Lease Sales 157 and 161; shading indicates areal extent.

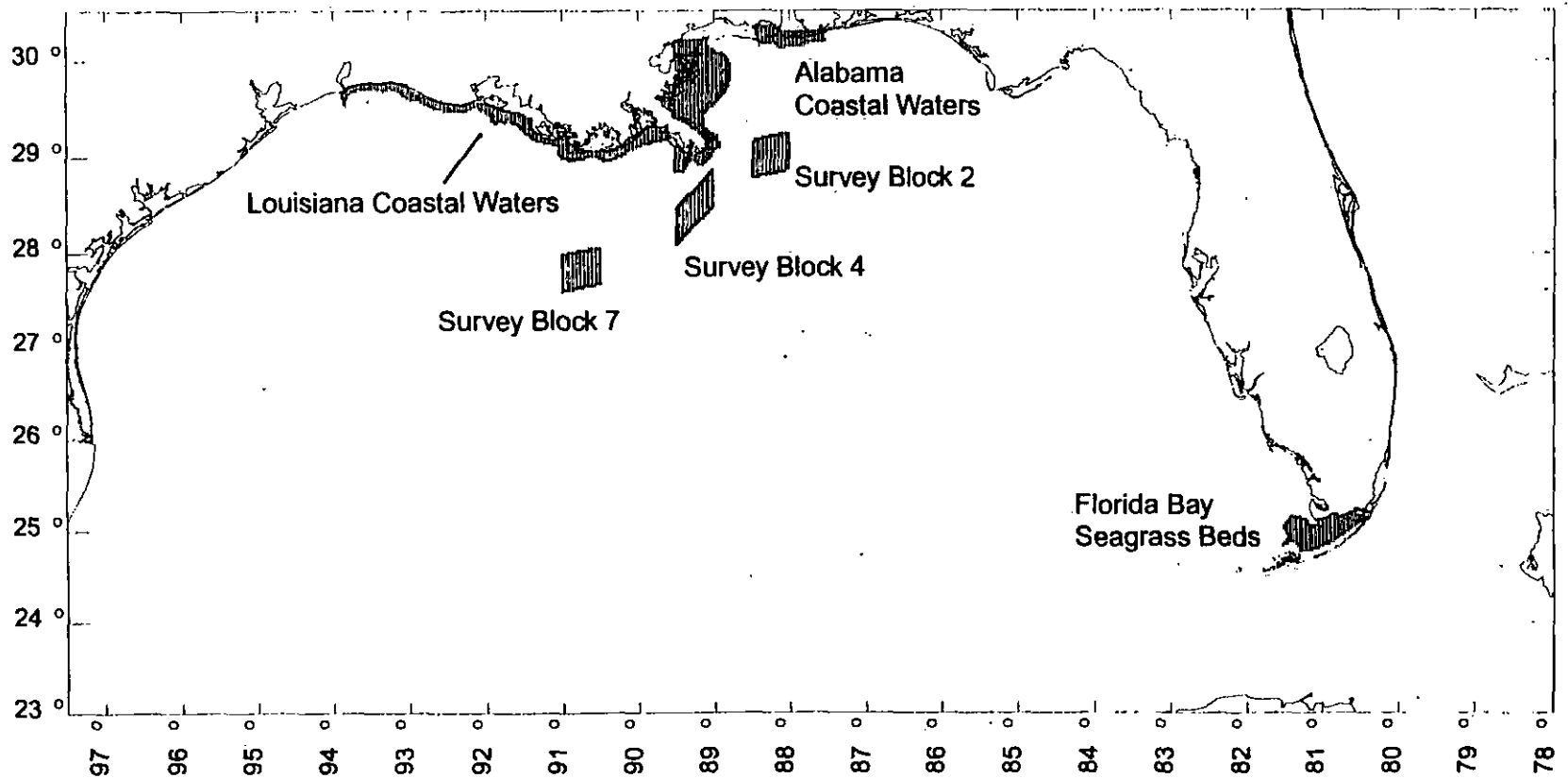


Figure A-2. Locations of Louisiana coastal waters, Survey Block 7, Survey Block 4, Survey Block 2, Alabama coastal waters, and Florida Bay seagrass beds, Gulf of Mexico OCS Lease Sales 157 and 161; shading indicates areal extent.

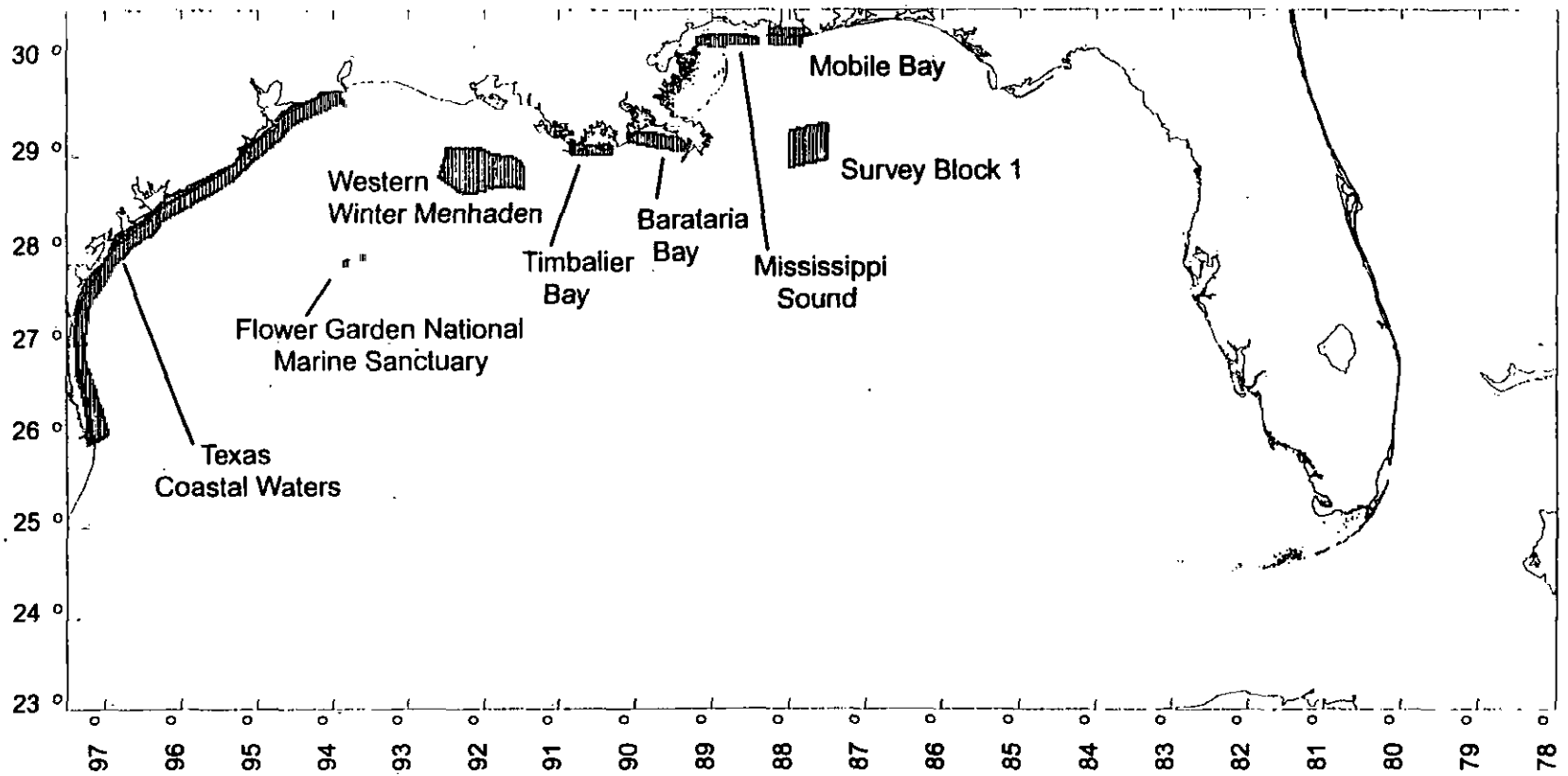


Figure A-3. Locations of Texas coastal waters, Flower Garden National Marine Sanctuary, western winter menhaden, Timbalier Bay, Barataria Bay, Mississippi Sound, Mobile Bay, and Survey Block 1, Gulf of Mexico OCS Lease Sales 157 and 161; shading indicates areal extent.

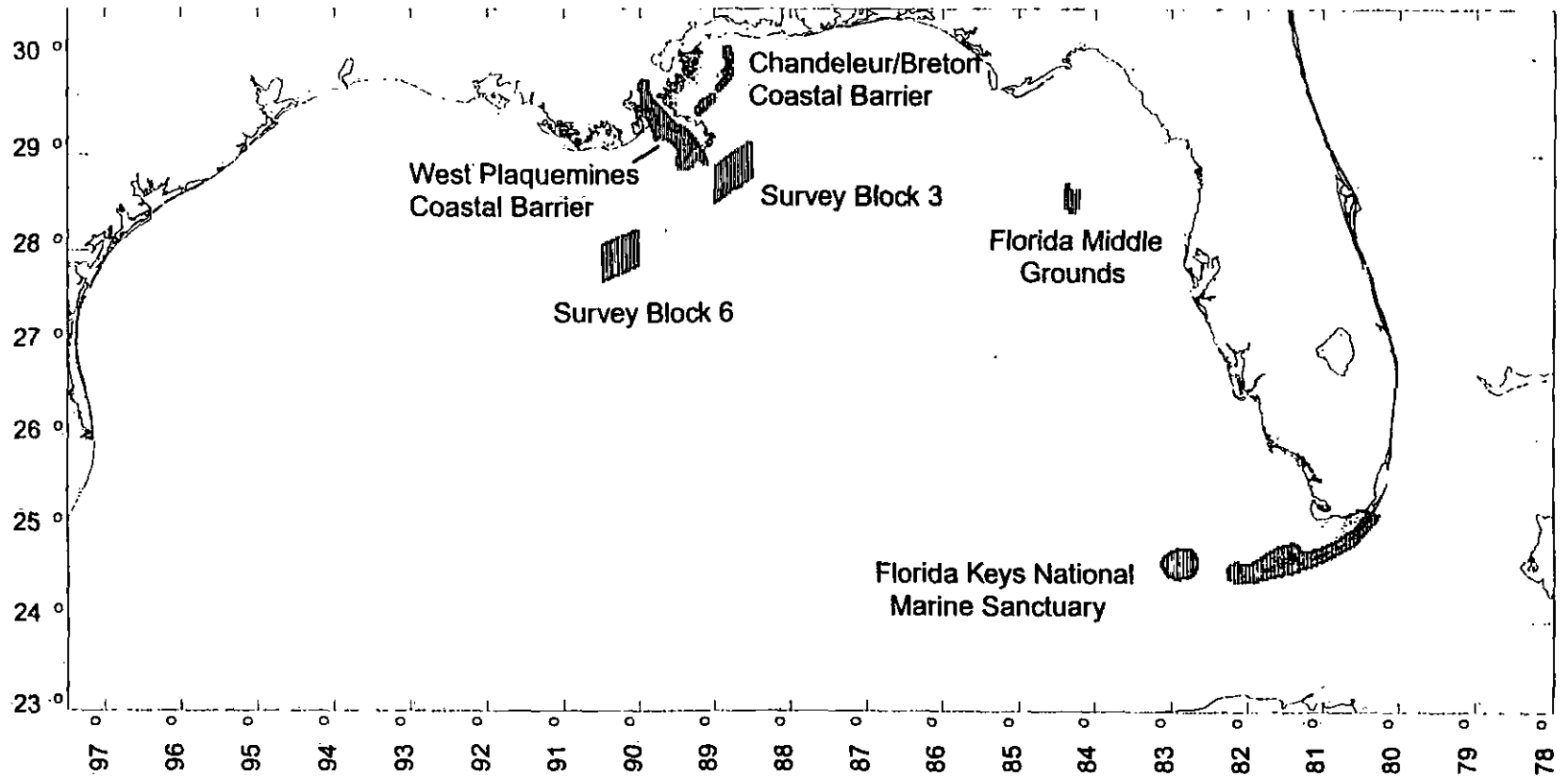


Figure A-4. Locations of West Plaquemines coastal barrier beaches, Survey Block 6, Survey Block 3, Chandeleur/Breton coastal barrier beaches, Florida Middle Grounds, and Florida Keys National Marine Sanctuary, Gulf of Mexico OCS Lease Sales 157 and 161; shading indicates areal extent.

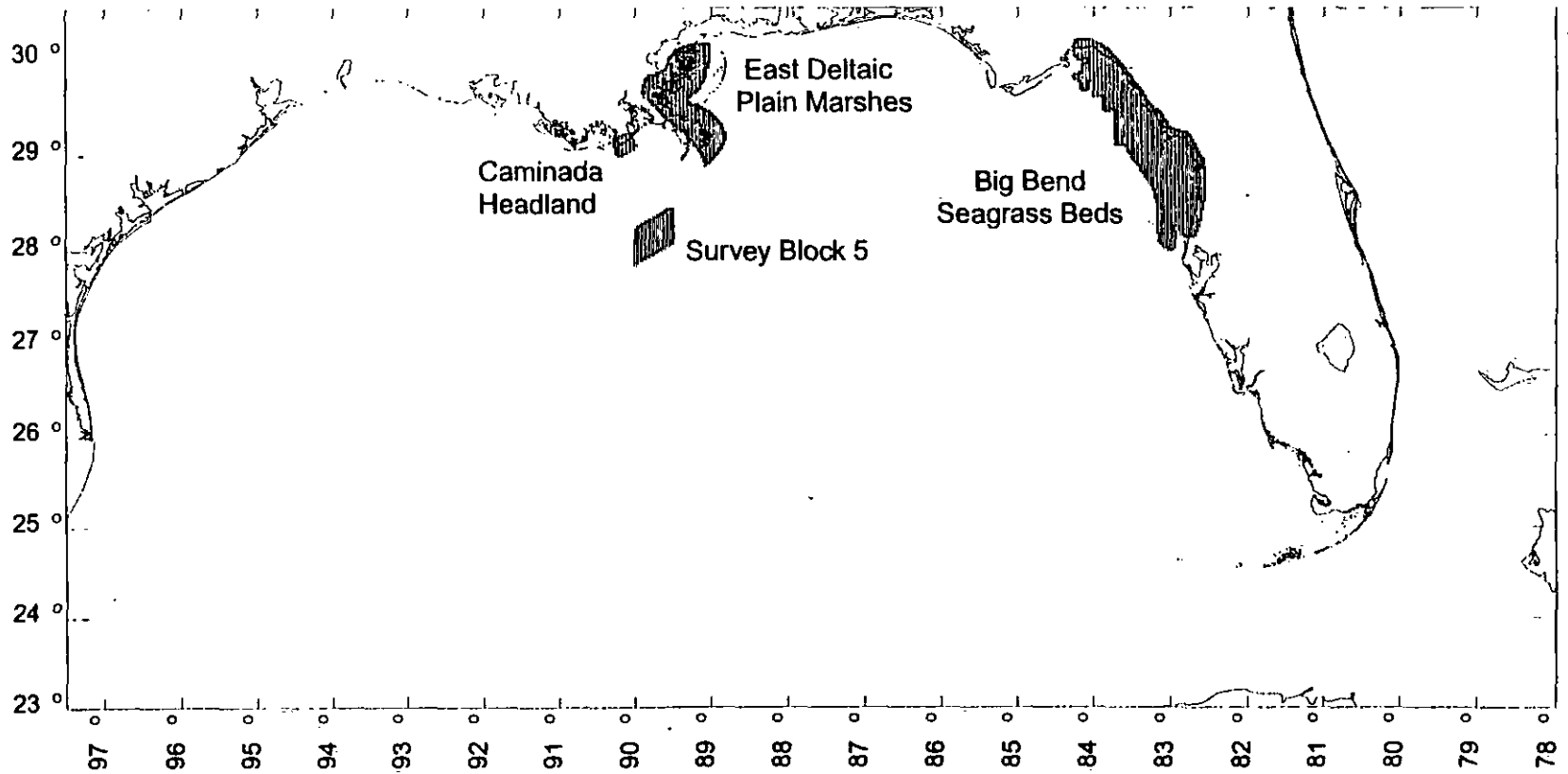


Figure A-5. Locations of Caminada Headland, East Deltaic Plain marshes, Survey Block 5, and Big Bend seagrass beds, Gulf of Mexico OCS Lease Sales 157 and 161; shading indicates areal extent.

Appendix B

**Seasonal Conditional Tables for
Environmental Resources**

Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
Land	25	20	43	53	4	n	n	n	n	n	n	33	30	32	n	1	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	11	31	n	1	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	40	4	n	n	n	n	n	n	16	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	5	6	n	n	n	n	n
Tex. Coastal Waters	31	40	63	73	13	n	n	n	1	n	n	58	57	57	4	4	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
Land	n	n	n	n	29	26	n	2	n	n	33	34	3	6	n	1	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	1	35	n	9	n	2	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	15	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	32	n	3	n	1	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	26	3	93	n	20	24	11	69	7	10	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	30	n	44	n	23	3	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	10	37	n	13	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1	17	71	1	46	n	4	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	2	10	9	26	29	36	2	5	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	9	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	45	47	1	5	n	n	62	70	10	15	n	3	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																										
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75		
Land	29	36	43	10	1	9	2	n	n	n	n	n	n	n	n	n	n	n	53	19	33	28	5	4	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	31	7	8	n	2	n	n	n	n
Timbalier Bay	11	2	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	45	6	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	34	8	n	n	n	n	n	n	n
Caminada Headland	29	7	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	36	43	n	1	n	14	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	3	65	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	19	15	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	39	84	17	n	11	6	n	n	n	n	n	n	n	n	n	n	n	4	2	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	86	29	n	n	n	25	1	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	3	43	n	6	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	8	n	53	1	n
Survey Block 2	n	1	n	24	38	n	33	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	11	n	n
Survey Block 3	n	10	1	19	4	35	45	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
Survey Block 4	3	13	n	1	n	63	9	45	2	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	3	3	n	n	n	11	n	46	n	15	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	1	n	n	n	n	1	n	3	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	65	64	86	18	n	20	4	2	n	n	n	n	n	n	n	n	n	n	13	13	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	36	8	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	40	11	26	n	4	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	49	68	8	12	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	20	35	26	7	6	8	n	n	1	17	n	n	1	9	n	n	n	11	n	n	n	7	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	28	97	n	2	74	n	n	42	**	n	n	16	98	n	n	3	16	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	1	n	26	4	n	n	11	1	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	59	74	69	22	20	34	n	n	11	70	n	n	3	50	n	n	2	48	n	n	n	32	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35
Land	n	5	n	n	n	n	1	12	n	n	n	n	n	1	7	n	n	n	n	n	n	1	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	10	3	1	1	5	n	n	n	24
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	31	n	n	n	n	6	59	n	n	n	n	n	16	65	n	n	n	n	n	n	n	28	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	24	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	10	3	1	n	n	n	n	n	23	

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	18	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	46	20	8	13	n	1	11	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	45	19	5	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table 8-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Land	39	13	20	12	11	14	n	5	n	12	29	31	29	50	82	39	5	15
Galveston Bay	n	n	18	16	2	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	1	52	n	3	4
Timbalier Bay	n	n	n	n	n	n	n	10	n	7	4	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	1	n	10	17	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	7	19	70	45	3	n
Caminada Headland	n	n	n	n	n	n	n	8	n	15	14	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	19	52	1	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	36	40	8	11	20	1	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	98	21	1	2	1	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	62	5	60	55	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	36	30
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	10	7
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	3	5	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	3	6	6	15	1	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	14	91	17	3	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	3	27	2	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	56	27	30	19	16	3	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	16	23	n	18	n	34	63	66	43	5	8	15	2	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	7	19	**	49	2	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	1	61	4	10	6	19
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
Land	n	n	n	17	n	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	8	12	n					
Galveston Bay	n	n	n	12	n	n	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	18	n				
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n				
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n				
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	5	14	n	n	n				
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n				
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	10	n	n	n				
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	3	1	n	n	n	n	n	n	6	n	4	10	n	n	n				
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	29	22				
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	16	2				
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n	16	60	1	n	n				
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	1	65	n	29	53	n	n	n				
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	24	20	n	2	26	n	n	n	5	n	1	2	n	n	n				
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	65	33	n	2	20	n	n	n	n	n	n	n	n	n	n				
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	4	37	7	n	n	n	n	n	n	n	n	n	n	n	n				
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Flower Garden NMS	n	n	n	n	n	n	n	1	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tex. Coastal Waters	n	n	n	22	n	n	n	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	5	18	1	n	n				
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n				
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	19	n				
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E	
Land	58	3	n	78	6	n	n	19	91	72	23	83	64	9	66	11	n	n	n	n	n	26	5	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	59	5	n	n	n	n	n	2	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	47	70	19	35	16	4	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	13	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20	n	n	n	n	n	n	n	n
Tex. Coastal Waters	74	5	n	91	18	n	n	40	**	94	44	96	83	21	85	26	1	n	n	n	n	54	15	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																											
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N			
Land	n	n	n	n	n	79	31	63	21	n	37	29	52	31	n	n	n	n	n	47	14	49	13	1	n			
Galveston Bay	n	n	n	n	1	37	39	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	5	3	45	78	6	n	62	7	11	48	16	59	69	8	n		
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Flower Garden NMS	n	n	n	3	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Tex. Coastal Waters	n	n	n	n	2	97	60	47	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
La. Coastal Waters	n	n	n	n	n	n	n	66	29	n	67	50	80	40	n	n	n	n	n	77	34	92	28	5	n			
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		

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Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
Land	n	n	20	n	10	n	n	n	56	12	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tamulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Timbalier Bay	n	n	n	n	n	n	n	n	62	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Caminada Headland	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Winter Menhaden	n	n	33	79	48	5	n	17	9	40	53	29	4	n	n	n	10	n	n	n	n	n	11	n	n	
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	n	n	n	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	18	n	n	n	n	n	n	
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	86	42	1	n	n	n	n	4	2
Survey Block 6	n	n	n	n	n	n	3	19	n	n	n	n	n	n	n	n	22	44	1	n	n	n	n	8	79	37
Survey Block 7	n	n	n	n	n	33	**	3	n	n	n	1	4	1	n	n	2	1	n	n	n	n	17	75	19	
Fla. Keys MMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Flower Garden MMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
La. Coastal Waters	n	n	43	2	21	n	n	n	55	21	7	1	n	n	n	n	3	n	n	n	n	n	n	n	n	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	180	190	200	1P	2P	1a	2a	3a	4a	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
Land	n	n	n	23	3	37	5	16	7	66	25	24	n	n	n	n	85	54	21	10	38	48	15	57	46
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	42	2	41	10	16	9	16	29	7	n	n	n	n	5	12	12	n	35	6	13	6	14
Barataria Bay	n	n	n	n	n	n	n	n	n	29	5	28	n	n	n	n	96	61	24	9	13	70	9	95	49
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	1	n	51	2	n	n	94	34	19	n	n	n	n	44	54	29	6	55	27	23	22	51
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	1	n	10	n	n	n	n	8	19	12	28	1	56	2	74	16
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n
W. Winter Menhaden	n	n	18	15	19	7	1	18	2	2	1	n	n	n	n	n	n	n	n	n	6	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	54	82	21	50	34	99	44	n	n	n	8	82	83	38	46	87	80	96	**
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	1	12	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	1	n	n	n	n	36	8	n	n	n	n	n	7	90	n	n	2	n	n
Survey Block 5	n	n	n	n	n	n	4	n	1	n	n	7	2	n	n	n	n	n	3	5	n	n	5	n	n
Survey Block 6	1	n	n	n	n	n	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
Survey Block 7	1	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	62	7	73	15	34	14	91	55	41	n	n	n	n	99	84	49	33	72	78	35	80	76
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC	
Land	41	69	37	68	18	1	n	69	36	9	1	n	n	n	n	16	1	64	58	10	78	42	19	15	11	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	27	n	n	n	n
Timbalier Bay	6	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	23	3	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	70	8	n	n	n
Caminada Headland	20	4	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	86	96	64	5	3	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	9	10	n	n	24	43	11	1	n	n	n	n	11	n	49	37	13	11	3	n	n	n	n
E. Deltaic Plain Marsh.	n	3	14	**	52	6	n	**	99	20	4	2	n	n	n	48	2	**	97	12	1	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	63	16	32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	1	5	14	75	5	n	n	9	n	n	1	n	n	n	n	n	n
Survey Block 2	n	n	n	1	12	33	n	n	1	12	43	**	79	6	n	9	31	n	1	2	n	n	n	n	n	n
Survey Block 3	n	1	7	5	64	65	2	1	2	9	15	20	14	n	n	51	7	n	1	2	n	n	n	n	n	n
Survey Block 4	2	6	28	2	4	5	n	n	n	1	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n
Survey Block 5	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	92	92	63	96	31	2	n	95	74	20	2	1	n	n	n	29	1	97	88	18	6	3	n	n	n	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	95	8	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	46	2	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	50	37	33	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
Land	1	9	n	6	n
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	n	n	n	n	n
Timbalier Bay	n	n	n	n	n
Barataria Bay	n	n	n	n	n
Mississippi Sound	n	n	n	n	n
Caminada Headland	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n
Survey Block 1	n	1	33	n	n
Survey Block 2	n	n	4	n	n
Survey Block 3	n	n	n	n	n
Survey Block 4	n	n	n	n	n
Survey Block 5	n	n	n	n	n
Survey Block 6	n	n	n	n	n
Survey Block 7	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n
Ala. Coastal Waters	n	6	n	n	n
Fla. Coastal Waters	4	22	n	21	n
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																		
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118	
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	1	n	n	2
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	2	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	1	n	n	n	n	n	2	n	n	n	4
Survey Block 4	n	n	n	n	n	n	n	n	9	n	n	n	n	n	6	n	n	n	13
Survey Block 5	n	n	n	5	n	n	n	2	1	n	n	n	n	2	n	n	n	n	10
Survey Block 6	n	n	n	13	n	n	n	1	n	n	n	n	n	1	n	n	n	n	2
Survey Block 7	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	14	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																									
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25	
Land	75	81	92	95	61	41	15	5	27	3	2	83	81	80	33	40	13	2	n	n	n	n	n	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	12	44	1	16	4	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	47	20	9	5	2	1	1	n	34	16	5	7	3	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	31	4	1	n	n	1	n	n	7	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Merhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	1	n	n
C. Winter Merhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	1	13	13	14	1	4	5	n	n	n	n
Tex. Coastal Waters	65	87	97	97	71	48	21	8	27	5	3	89	89	90	43	56	17	3	1	n	1	n	n	n	n	
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	1	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	
Land	n	n	n	n	71	55	26	18	3	5	61	60	27	27	8	13	5	n	1	n	n	n	n	n	n	
Galveston Bay	n	n	n	n	15	3	13	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	2	37	n	11	n	7	4	n	1	n	n	n	n	n	n	
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	15	n	n	n	2	1	n	n	n	n	n	n	n	n	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	32	n	3	n	3	2	n	1	n	n	n	n	n	n	
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	1	1	n	n	n	n	n	n	n	n	
Chen/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Winter Menhaden	n	n	n	n	n	26	3	93	1	34	31	32	79	38	35	20	6	7	2	1	n	n	n	n	n	
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	30	n	47	n	37	21	1	6	n	1	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	5	9	n	5	n	1	n	1	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	1	20	46	2	29	n	8	n	4	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	1	1	9	8	28	77	8	60	2	22	1	9	n	2	
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	1	3	8	21	16	35	37	46	8	27	1	9	1	4	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Flower Garden NMS	n	n	n	n	n	n	1	1	10	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	n	n	n	n	42	8	29	2	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
La. Coastal Waters	n	n	n	n	58	65	11	23	1	8	78	81	38	39	11	22	11	1	4	n	n	n	n	n	n	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																										
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75		
Land	60	65	88	47	20	38	13	14	1	1	n	n	n	n	n	n	n	83	60	61	58	27	25	5	5		
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tamulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	5	8	n	n	n	n	n	n	n	n	n	n	n	n	34	17	15	1	8	n	n	2	n	
Timberline Bay	20	8	n	1	n	13	1	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Barataria Bay	47	11	n	1	n	11	3	8	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mississippi Sound	n	1	8	7	3	n	n	n	n	n	n	n	n	n	n	n	n	41	21	2	n	n	n	n	n	n	
Caminada Headland	36	14	n	1	n	16	3	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Plaquemines C. Barr.	39	47	n	3	3	24	10	11	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	
Char/Bret Coast. Barr.	n	9	72	31	4	2	4	n	n	n	n	n	n	n	n	n	n	31	31	2	n	1	n	1	n	n	
E. Deltaic Plain Marsh.	1	40	88	31	7	14	18	3	1	n	n	n	n	n	n	n	n	9	9	n	n	1	n	3	n	n	
W. Winter Menhaden	20	7	n	n	n	7	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
C. Winter Menhaden	90	40	n	3	n	52	8	31	1	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	8	52	n	8	n	n	n	n	n	n	n	n	n	n	2	7	4	3	26	4	70	11	n	
Survey Block 2	n	2	1	29	51	2	38	n	3	n	n	n	n	n	n	n	n	2	5	n	n	11	1	35	5	n	
Survey Block 3	1	12	2	26	20	37	59	11	15	2	1	n	n	n	n	n	n	n	1	n	n	2	n	16	1	n	
Survey Block 4	5	17	n	5	5	67	28	55	17	21	4	3	n	n	n	n	n	n	n	n	n	n	n	n	4	n	
Survey Block 5	6	6	n	n	n	19	4	57	6	35	2	9	n	1	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 6	3	2	n	n	n	4	n	11	1	13	n	6	n	2	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 7	n	n	n	n	n	1	n	2	n	2	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys MMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
Flower Garden MMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	79	82	94	45	8	54	22	24	2	4	1	n	n	n	n	n	n	25	30	1	n	1	n	3	n	n	
Miss. Coastal Waters	n	1	9	7	2	n	n	n	n	n	n	n	n	n	n	n	n	42	20	2	n	n	n	n	n	n	
Ala. Coastal Waters	n	1	1	8	14	n	n	n	n	n	n	n	n	n	n	n	n	44	28	37	2	14	1	3	n	n	
Fla. Coastal Waters	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	1	3	58	80	24	34	3	12	n	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	50	72	76	29	40	46	4	10	24	49	1	n	7	28	n	n	3	21	n	n	1	16	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	31	97	n	10	82	n	7	56	**	n	3	33	98	n	n	13	34	n	n	3	9	n	n	n
Florida Middle Grounds	n	n	n	1	1	1	3	32	14	3	2	22	16	3	1	2	3	2	n	1	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	73	93	94	45	61	75	9	18	40	83	2	2	16	65	n	n	8	59	n	n	2	41	n	n	1
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125
Land	2	16	n	n	n	1	7	27	1	1	n	n	2	10	21	1	6	1	n	1	3	11	2	9	9
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	1	4	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	1	2	8	1	n	n	17	21	30	9	2	n	1	23	47	59	34	12	4	12	8	24	66
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	5	42	n	n	n	2	16	67	3	2	1	n	3	30	73	5	16	5	1	3	7	42	3	21	23
Florida Bay Seagrass	n	n	n	n	n	n	n	n	2	1	n	n	n	n	2	2	8	4	1	n	1	27	2	9	13
Dry Tortugas	n	n	n	1	7	n	n	n	6	9	21	7	1	n	n	5	13	39	28	11	2	1	1	2	28

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																					
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145		
Land	3	1	1	3	4	18	16	n	2	n	n	n	n	n	n	n	n	n	n	1		
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Arensas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	33	14	3	6	n	1	n	n	n	n	n	n	n	n	
Survey Block 2	n	n	n	n	n	n	n	23	5	3	2	n	n	n	n	n	n	n	n	n	n	
Survey Block 3	n	n	n	n	n	n	n	11	1	3	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 4	n	n	n	n	n	n	n	3	n	1	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	69	34	18	21	7	31	55	n	n	n	n	n	n	n	n	n	n	n	n	2	1	10
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	7	1	3	11	7	39	39	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	4	1	1	7	3	15	17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	57	30	12	4	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	1	1	4

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																		
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	
Land	88	50	52	36	48	47	2	28	10	41	61	78	75	84	95	80	30	36	
Galveston Bay	n	n	18	23	23	15	1	n	n	n	n	n	n	n	n	n	n	n	
Aransas Refuge	2	11	6	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	5	54	2	6	14	27
Timbalier Bay	n	n	n	n	n	n	n	22	6	19	15	n	n	n	n	n	n	n	
Barataria Bay	n	n	n	n	n	n	n	3	3	14	24	n	n	n	n	n	n	n	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	7	17	30	70	55	7	3	
Caminada Headland	n	n	n	n	n	n	n	11	6	23	23	n	n	n	n	n	n	n	
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	1	2	22	57	1	n	n	n	n	1	1	
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	51	60	23	15	40	6	3	
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	1	n	n	99	35	6	5	11	6	2	
W. Winter Menhaden	n	n	n	n	n	n	1	21	3	13	11	n	n	n	n	n	n	n	
C. Winter Menhaden	n	n	n	n	n	n	n	80	30	78	69	1	n	n	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	1	2	1	n	2	43	37	
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	5	3	1	n	1	24	20	
Survey Block 3	n	n	n	n	n	n	n	1	2	2	4	7	1	n	n	n	11	8	
Survey Block 4	n	n	n	n	n	n	n	8	20	11	18	2	n	n	n	n	2	2	
Survey Block 5	n	n	n	n	n	n	n	20	94	23	8	n	n	n	n	n	n	n	
Survey Block 6	n	n	n	n	n	n	n	11	38	7	2	n	n	n	n	n	n	n	
Survey Block 7	n	n	n	n	n	n	n	4	6	2	1	n	n	n	n	n	n	n	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Flower Garden NMS	n	2	3	3	1	n	7	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	93	57	59	41	53	35	2	n	n	n	n	n	n	n	n	n	n	n	
La. Coastal Waters	n	n	n	n	21	34	1	43	15	59	81	85	64	21	14	36	9	4	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	7	18	29	**	58	7	3	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	1	7	66	5	16	19	33	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	7	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 8-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
Land	11	21	n	41	n	n	1	28	n	n	n	n	3	1	n	n	1	n	n	n	20	n	12	33	41	n					
Galveston Bay	n	n	n	12	n	n	n	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Aransas Refuge	4	6	n	6	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	28	n					
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	4	2	n	n	1	n	n	n	5	n	2	6	n	n					
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	10	n	4	9	n	n					
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	11	n					
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	1	n	n	1	10	n	4	10	n	n					
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	1	18	n	11	28	1	n					
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	3	6	n					
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	7	19	5	1					
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	1	1	n	4	2	n	n	1	n	n	n	1	n	1	2	n	n					
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	18	9	n	1	7	n	n	3	28	n	12	28	n	n					
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	35	39					
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	3	7	28	23					
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	2	18	n	25	63	9	10					
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	6	5	2	4	12	n	1	11	75	n	41	68	1	2					
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	36	27	5	16	49	n	2	8	19	n	10	8	n	n					
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	2	70	42	6	19	41	n	n	n	4	n	2	2	n	n				
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	9	46	24	2	8	10	n	n	n	1	n	n	n	n	n				
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Flower Garden NMS	n	n	n	1	n	6	11	12	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tex. Coastal Waters	14	27	n	45	n	n	2	33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	9	3	n	n	3	n	n	2	30	n	18	46	9	1					
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	10	n					
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	35	n					
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n				
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
Land	93	50	7	98	66	12	2	87	99	98	88	99	95	66	92	66	29	4	n	n	n	80	56	11	7
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	59	7	5	2	n	n	n	2	n	2	n
Aransas Refuge	n	n	1	n	6	4	1	n	47	72	26	37	27	30	7	12	4	n	n	n	n	17	14	1	1
Tamaulipas, Mexico	27	21	4	n	1	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	85	44	9	99	74	17	3	95	**	99	94	99	97	75	96	80	43	8	n	n	n	91	67	15	11
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
Land	2	n	n	6	38	96	83	91	62	11	73	58	73	54	10	2	n	10	2	73	50	74	48	23	4
Galveston Bay	n	n	n	2	11	40	53	15	17	6	10	4	2	n	n	n	n	n	n	1	n	n	n	n	n
Aransas Refuge	n	n	n	n	3	2	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	5	4	45	81	11	1	73	23	12	51	22	64	83	25
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	2	4
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	7	1	n	14	1	n	n	n	4	n	n	n	n	1	5	3	1	1	n	n	n	n	n	n	n
Tex. Coastal Waters	2	n	n	11	53	**	92	59	44	15	25	12	6	3	n	1	n	n	n	2	2	n	1	n	
La. Coastal Waters	n	n	n	n	n	n	n	68	41	4	78	64	87	57	13	2	n	13	3	84	62	94	61	31	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
Land	n	n	56	17	41	9	2	11	72	43	30	14	3	n	n	n	15	10	6	n	n	n	12	3	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	1	n	62	3	n	n	n	n	n	n	2	8	3	n	n	n	n	2	n	
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	n	n	n	n	n	1	n	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	1	5	4	n	n	n	n	1	n	
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	4	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	37	84	60	27	4	49	25	62	71	59	22	4	n	n	35	3	n	n	n	n	37	5	2	
C. Winter Menhaden	n	n	n	n	n	1	3	n	n	n	n	n	n	n	n	n	10	32	13	2	n	n	3	8	3	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	4	1	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	3	26	37	7	n	n	n	3	2	
Survey Block 5	n	n	n	n	n	5	7	1	n	n	n	n	n	n	n	n	15	88	61	18	5	n	5	21	13	
Survey Block 6	n	n	n	n	1	14	36	4	n	n	1	2	3	2	n	n	29	51	14	8	2	n	17	83	53	
Survey Block 7	n	n	n	n	3	44	**	11	n	1	4	6	13	10	2	n	11	7	2	1	n	n	29	80	41	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	2	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	68	24	52	13	3	15	57	54	40	18	6	n	n	n	25	16	10	1	n	n	16	7	1	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
Land	n	n	5	53	25	59	23	43	26	80	52	49	3	n	n	n	93	78	55	49	62	76	41	81	72
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	42	2	42	16	16	11	18	33	15	1	n	n	n	6	17	21	12	37	15	21	13	20
Barataria Bay	n	n	n	n	n	n	1	n	n	29	6	34	2	n	n	n	96	62	28	22	13	71	10	95	49
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	1	n	52	3	n	n	94	35	28	1	n	n	n	45	58	35	23	55	34	28	30	54
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	2	1	16	3	n	n	n	8	20	16	40	1	57	4	75	18
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	9	n	n	n	n	n
W. Winter Menhaden	n	n	41	43	51	32	31	48	37	16	32	9	n	n	n	n	4	15	18	8	31	13	25	8	17
C. Winter Menhaden	n	n	n	1	2	54	90	22	52	34	99	58	4	n	n	n	9	82	92	62	46	87	92	96	**
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	7	4	n	n	n	n	n	n	2	15	n	n	1	n
Survey Block 4	1	n	n	n	n	n	3	n	1	n	1	38	24	1	n	n	n	n	8	91	n	n	5	n	
Survey Block 5	5	2	n	n	2	n	10	1	4	n	2	14	12	1	n	n	n	n	7	11	n	n	10	n	
Survey Block 6	16	5	n	n	5	1	11	1	9	n	2	2	2	n	n	n	n	n	2	2	n	n	5	n	
Survey Block 7	18	3	2	1	9	1	5	2	8	n	2	1	n	n	n	n	n	n	1	1	1	n	2	n	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	8	76	36	82	40	58	40	95	71	64	5	n	n	n	99	91	72	66	82	88	61	86	86
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
Land	69	83	65	87	54	17	1	95	81	48	26	20	10	1	n	56	24	95	90	50	95	71	51	46	39
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	2	1	n	n	n	3	5	3	1	n	n	2	7	n	n	6	2	36	3	n	n
Timballer Bay	13	6	11	n	1	1	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n
Barataria Bay	27	7	15	1	1	3	n	n	n	n	1	n	1	n	n	1	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	2	4	1	n	3	8	7	5	3	1	n	n	3	6	3	5	13	72	15	n	n	n
Caminada Headland	27	10	20	n	3	3	1	n	n	n	1	1	n	n	n	3	1	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	86	97	68	5	7	9	2	n	n	2	2	4	4	1	n	6	1	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	1	17	29	6	n	29	55	37	15	8	4	n	n	34	11	51	44	37	17	10	n	n	n
E. Deltaic Plain Marsh.	n	4	15	**	67	21	2	**	**	40	19	18	11	2	n	64	15	**	98	25	5	3	n	n	n
W. Winter Menhaden	12	5	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	71	26	50	1	6	8	2	n	n	1	1	2	2	n	n	5	1	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	3	3	n	n	1	8	16	24	77	9	n	4	22	n	n	7	1	3	3	1	n
Survey Block 2	n	n	1	2	18	37	2	1	4	22	53	**	82	17	n	15	44	n	2	10	n	1	1	n	n
Survey Block 3	1	3	10	6	66	73	10	1	3	17	29	39	42	13	n	52	19	1	1	5	n	n	n	n	n
Survey Block 4	3	7	30	3	10	29	15	n	n	2	4	9	13	4	n	9	2	n	n	n	n	n	n	n	n
Survey Block 5	3	2	4	n	n	4	5	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	2	1	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	95	97	84	98	62	25	3	98	87	51	24	19	12	2	n	63	17	99	95	42	15	10	n	n	n
Miss. Coastal Waters	n	n	n	2	3	1	n	3	8	7	5	2	1	n	n	3	6	5	4	12	96	14	n	n	n
Ala. Coastal Waters	n	n	n	n	3	1	n	n	1	4	8	6	2	n	n	3	10	n	n	11	7	58	10	1	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	1	1	1	1	n	n	n	2	n	n	n	n	16	66	62	58
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	<u>Hypothetical Spill Location</u>				
	6AC	7AC	8AC	9AC	10AC
Land	16	37	10	34	9
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	n	7	2	n	n
Timballer Bay	n	n	n	n	n
Barataria Bay	n	n	n	n	n
Mississippi Sound	n	1	n	n	n
Caminada Headland	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	1	n	n
Char/Bret Coast. Barr.	n	1	n	n	n
E. Deltaic Plain Marsh.	n	n	2	n	n
W. Winter Menhaden	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n
Florida Middle Grounds	1	n	n	n	n
Survey Block 1	n	14	58	5	12
Survey Block 2	n	5	27	1	3
Survey Block 3	n	1	11	n	n
Survey Block 4	n	n	2	n	n
Survey Block 5	n	n	n	n	n
Survey Block 6	n	n	n	n	n
Survey Block 7	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	n	n	2	n	n
Miss. Coastal Waters	n	1	n	n	n
Ala. Coastal Waters	n	19	6	n	1
Fla. Coastal Waters	24	40	9	45	13
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
Land	7	n	n	n	1	n	n	n	2	n	3	2	3	4	5	4	25	5
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	2
Barataria Bay	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	2
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	2
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	5
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	4
W. Winter Menhaden	n	n	n	1	n	n	1	n	n	n	n	n	1	n	n	n	n	1
C. Winter Menhaden	n	n	n	3	n	n	n	n	3	n	n	n	n	n	2	n	n	9
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	4	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	2	n	1
Survey Block 3	n	n	n	n	n	n	n	n	2	2	n	n	n	n	3	2	n	5
Survey Block 4	n	n	n	1	n	n	n	1	12	1	n	n	n	1	7	n	n	16
Survey Block 5	n	n	n	8	n	n	n	5	4	n	n	1	1	4	3	n	n	14
Survey Block 6	n	n	n	16	n	n	1	2	1	n	n	1	1	1	1	n	n	7
Survey Block 7	n	n	n	10	1	1	1	1	n	n	n	1	3	1	n	n	n	6
Fla. Keys NMS	n	n	n	n	n	n	n	1	1	1	3	4	6	12	14	18	27	n
Flower Garden NMS	n	1	n	n	n	2	n	n	n	n	n	2	n	n	n	n	n	n
Tex. Coastal Waters	9	n	n	n	2	n	n	n	n	n	2	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	1	n	n	n	n	3	n	n	n	n	n	3	n	n	10
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	4	5	6	9	11	9	48	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	2	2	2	3	3	2	14	n	n
Dry Tortugas	n	n	n	n	n	n	n	1	1	n	n	n	n	2	1	5	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
Land	96	99	**	**	94	90	63	55	88	55	56	97	97	98	80	91	64	41	29	24	30	16	13	30	10
Galveston Bay	n	n	n	n	n	1	2	2	n	n	n	n	12	45	2	20	9	5	7	6	4	3	5	2	1
Aransas Refuge	n	n	n	47	24	15	16	11	6	11	8	35	19	10	18	13	8	5	2	n	4	1	n	5	1
Tamaulipas, Mexico	36	9	3	1	1	3	n	2	13	5	7	n	n	n	1	n	n	n	n	n	1	2	n	3	2
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	10	n	n	4	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	1	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	2	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	1	2	9	8	1	5	3	n	1	n	4	1	19	23	25	6	13	14	6	6	5
Tex. Coastal Waters	77	96	**	**	95	89	65	56	81	54	54	97	98	98	80	92	65	43	30	22	32	19	12	33	11
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	1	1	n	1	6	n	n	5	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	
Land	6	29	11	2	98	92	88	76	56	46	90	85	73	66	46	55	46	26	34	14	21	5	13	3	6	
Galveston Bay	1	1	n	1	19	14	25	18	14	13	6	4	11	6	9	3	1	3	2	2	1	n	n	n	n	
Aransas Refuge	n	5	1	n	4	7	10	3	6	n	4	2	2	1	n	n	n	n	n	n	n	n	n	n	n	
Tamaulipas, Mexico	1	9	6	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	2	37	n	13	1	12	12	1	6	1	3	n	3	n	2	
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	15	n	1	n	3	4	1	4	n	2	n	2	n	n	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	32	n	5	1	5	6	1	6	n	3	n	3	n	1	
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	2	n	2	n	3	4	1	3	n	2	n	1	n	1	
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	1	1	1	n	n	n	n	n	n	n	
W. Winter Menhaden	1	n	n	n	n	26	3	93	1	42	31	36	84	51	54	41	24	24	16	9	10	4	6	1	1	
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	30	1	49	3	47	37	5	22	1	11	1	6	n	2	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	4	1	2	n	1	n	1	n	1	
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	3	10	18	3	16	1	10	1	6	1	4
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	1	11	9	26	51	9	39	3	22	2	17	3	9
Survey Block 6	n	n	n	n	n	n	n	n	n	n	2	n	2	3	13	16	34	79	18	64	8	35	5	21	3	15
Survey Block 7	1	n	n	n	n	n	n	n	n	3	n	2	4	13	28	21	40	43	52	15	39	8	23	6	15	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	n	3	n	6	
Flower Garden NMS	5	2	2	4	n	1	2	3	14	6	1	1	2	1	1	n	n	n	n	2	n	1	n	3	n	
Tex. Coastal Waters	7	29	11	3	57	39	80	54	56	32	24	12	29	14	15	8	4	8	4	5	2	2	n	1	n	
La. Coastal Waters	2	n	n	n	58	68	13	34	5	22	80	88	55	66	39	58	52	24	38	12	22	6	15	3	6	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	n	4	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	1	n	1	

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Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																										
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75		
Land	82	85	98	80	58	69	49	53	24	31	15	20	10	12	12	9	10	96	84	79	72	57	53	40	37		
Galveston Bay	1	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Aransas Refuge	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Mobile Bay	n	1	2	11	16	1	2	n	n	n	n	n	n	n	n	n	n	36	22	18	2	14	3	8	4		
Timbalier Bay	21	9	n	1	2	16	5	14	6	6	5	4	2	1	n	n	n	n	n	n	n	n	n	n	2	n	
Barataria Bay	48	12	n	3	2	14	10	14	5	7	2	2	1	1	n	n	n	n	n	n	n	n	1	n	4	n	
Mississippi Sound	n	2	10	12	9	1	5	1	n	n	n	n	n	n	n	n	n	42	26	4	n	2	n	5	2		
Caminada Headland	37	16	n	3	2	19	8	15	7	9	4	2	1	2	n	n	n	n	n	n	n	n	n	2	n		
W. Plaquemines C. Barr.	40	48	n	5	7	27	18	17	8	8	3	3	1	1	n	n	n	n	n	n	1	n	4	n	9	2	
Chan/Bret Coast. Barr.	n	12	73	40	14	3	11	1	2	n	n	n	n	n	n	n	n	35	36	4	n	6	1	8	2		
E. Deltaic Plain Marsh.	1	41	88	39	17	15	25	5	5	3	2	n	n	n	n	n	n	11	14	2	1	6	2	12	2		
W. Winter Menhaden	27	13	n	1	n	19	3	16	3	6	1	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	
E. Winter Menhaden	93	42	n	5	5	60	21	50	12	22	4	7	1	2	n	n	n	n	n	1	n	2	1	7	2		
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	
Survey Block 1	n	2	1	13	58	1	11	n	1	n	n	n	1	1	n	1	2	3	13	12	11	39	17	77	22		
Survey Block 2	n	3	2	32	59	3	40	1	5	n	1	n	n	1	n	1	2	3	11	6	6	25	9	49	13		
Survey Block 3	2	14	3	30	32	39	64	15	20	7	3	1	n	1	1	n	1	2	4	3	2	15	3	33	8		
Survey Block 4	5	17	1	9	14	70	41	62	31	32	12	10	3	2	2	1	n	n	n	1	2	8	3	20	6		
Survey Block 5	6	8	n	1	5	23	13	61	22	47	14	22	9	5	2	1	n	n	n	n	1	1	1	5	1		
Survey Block 6	4	3	n	n	2	8	6	18	8	22	6	16	5	6	1	2	n	n	n	n	n	n	n	n	n		
Survey Block 7	2	2	n	n	1	4	2	6	2	10	1	11	1	5	n	2	1	n	n	n	n	n	n	n	n		
Fla. Keys NMS	n	n	n	n	n	n	1	1	5	4	10	12	14	13	17	11	12	n	n	n	n	n	n	n	n		
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	5	1	n	n	n	3	n	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
La. Coastal Waters	90	90	95	57	27	72	47	56	26	33	14	17	6	6	1	n	n	30	36	5	1	11	2	21	5		
Miss. Coastal Waters	n	2	11	12	9	1	5	1	1	n	n	n	n	n	n	n	n	42	25	3	n	3	1	4	2		
Ala. Coastal Waters	n	2	3	16	26	1	4	n	1	n	n	n	n	n	n	n	n	47	35	41	5	24	7	13	7		
Fla. Coastal Waters	n	1	1	3	13	1	1	1	2	2	6	10	12	16	11	14	2	6	63	85	36	54	11	33			
Florida Bay Seagrass	n	n	n	n	n	n	n	n	2	1	3	5	5	5	6	6	4	n	n	n	n	n	n	n	n		
Dry Tortugas	n	n	n	n	n	n	n	n	2	1	2	3	3	3	4	2	2	n	n	n	n	n	n	n	n		

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	70	86	92	56	69	80	33	50	71	80	23	27	50	65	21	10	31	48	15	7	14	38	13	10	8
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	1	n	n	n	2	n	n	n	1	n	n	n	1	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	1	n	n	n	2	n	n	n	1	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
E. Deltaic Plain Marsh.	1	n	n	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	2	n	n	n	1	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	32	97	1	14	82	6	19	62	**	3	15	48	99	2	7	30	48	2	2	15	25	1	2	4
Florida Middle Grounds	n	1	n	3	2	2	7	36	17	8	6	31	26	10	5	6	12	11	3	5	5	6	1	3	3
Survey Block 1	6	1	n	4	2	n	4	1	n	n	7	1	n	n	11	3	n	n	9	3	1	n	10	5	2
Survey Block 2	3	n	n	2	1	n	3	1	n	n	7	1	n	n	9	2	n	n	9	1	1	n	7	4	1
Survey Block 3	2	n	n	1	n	n	2	n	n	n	5	1	n	n	5	1	n	n	5	1	n	n	4	2	n
Survey Block 4	1	n	n	n	n	n	1	n	n	n	2	n	n	n	3	n	n	n	2	n	n	n	1	1	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	2	3	3	1	3	6	15
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	1	n	n	n	n	n	1	n	n	n	2	n	n	n	3	n	n	n	2	n	n	n	1	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	n	n
Ala. Coastal Waters	1	n	n	1	n	n	n	n	n	n	2	n	n	n	2	n	n	n	2	n	n	n	2	1	n
Fla. Coastal Waters	83	96	98	65	79	90	39	58	79	93	25	31	57	83	19	13	35	73	16	11	19	55	15	12	12
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	1	4
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	1	1	3	7	

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	E10	E10E	E102E	E103E	E104E	E105E	E106E	E107E	E108E	E109E	E110E	E111E	E112E	E113E	E114E	E115E	E116E	E117E	E118E	E119E	E120E	E121E	E122E	E123E	E124E	E125
Land	16	34	12	11	13	12	21	40	18	16	17	14	12	25	34	26	32	19	15	12	16	25	21	29	26	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	13	19	n	n	1	6	11	10	n	n	n	3	6	7	4	n	1	1	1	3	4	3	n	n	1	
Florida Middle Grounds	4	6	1	2	n	2	4	2	n	n	n	1	1	3	1	n	n	n	n	1	2	n	n	n	n	
Survey Block 1	n	n	7	4	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 2	n	n	5	2	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 3	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	9	4	8	15	43	27	11	6	36	38	60	47	26	15	10	36	54	70	65	43	27	27	17	28	70	
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
La. Coastal Waters	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Ala. Coastal Waters	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Coastal Waters	21	54	16	15	20	18	29	73	28	26	26	25	22	45	79	37	47	30	26	24	24	57	25	37	41	
Florida Bay Seagrass	2	1	4	4	10	5	1	1	12	12	11	10	5	3	3	16	18	15	12	7	5	29	8	15	18	
Dry Tortugas	5	2	2	7	20	12	7	3	11	14	30	24	13	9	5	8	18	44	43	27	15	12	2	3	33	

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																			
	E126	E127	E128	E129	E130	E131	E132	E133	E134	E135	E136	E137	E138	E139	E140	E141	E142	E143	E144	E145
Land	17	14	13	16	18	38	32	27	28	16	16	8	14	8	11	10	9	15	11	19
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	3	5	1	2	n	2	n	2	n	1	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	2	1	3	1	2	1	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	4	3	4	2	1	2	1	1	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	3	2	1	1	n	1	n	1	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	4	1	4	2	2	2	n	1	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	7	4	6	3	2	3	2	2	n	1	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	6	2	1	2	n	n	n	1	n	1	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	10	5	4	4	1	3	1	3	1	2	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	5	2	6	1	1	1	1	n	n	n	n	n	n
Big Bend Seagrass	1	1	2	4	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
Survey Block 1	n	n	n	n	n	n	n	37	26	8	17	2	11	1	12	4	9	6	9	2
Survey Block 2	n	n	n	n	n	n	n	34	21	10	15	3	8	2	10	3	8	5	7	1
Survey Block 3	n	n	n	n	n	n	n	27	15	16	14	4	9	3	7	2	6	2	4	n
Survey Block 4	n	n	n	n	n	n	n	18	10	19	11	8	7	3	4	2	3	1	n	n
Survey Block 5	n	n	n	n	n	n	n	9	3	10	4	8	3	4	1	1	n	1	n	n
Survey Block 6	n	n	n	n	n	n	n	2	n	3	n	3	n	2	n	1	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	80	58	43	40	14	32	56	1	2	6	3	7	3	7	4	11	5	15	13	31
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	20	9	15	8	6	6	2	3	1	2	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	4	3	1	1	n	n	n	1	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	7	7	1	4	1	3	n	3	n	2	n	1	n
Fla. Coastal Waters	28	24	22	29	23	55	53	3	19	5	9	7	9	8	9	13	10	19	16	28
Florida Bay Seagrass	13	10	6	12	7	19	21	n	n	2	1	4	1	2	1	5	2	7	3	13
Dry Tortugas	65	45	29	16	1	n	10	n	1	1	1	1	1	2	2	2	4	5	7	7

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Land	99	80	82	76	92	92	51	68	49	74	81	95	95	96	99	97	62	64
Galveston Bay	n	2	19	31	30	23	14	3	1	2	1	n	n	n	n	n	n	n
Aransas Refuge	3	16	12	9	9	6	4	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	4	9	55	3	9	21	32
Timbalier Bay	n	n	n	n	n	n	n	25	17	23	17	n	n	n	n	n	2	1
Barataria Bay	n	n	n	n	n	n	n	4	8	15	25	1	n	n	n	n	2	2
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	10	21	32	70	57	12	6
Caminada Headland	n	n	n	n	n	n	n	13	11	25	24	1	n	n	n	n	2	2
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	4	8	25	58	2	n	1	n	n	5	5
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	1	n	1	54	65	25	16	43	13	7
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	1	2	1	1	99	38	9	5	13	12	8
W. Winter Menhaden	n	n	n	n	n	n	3	37	21	28	20	1	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	86	49	85	73	2	n	n	n	n	5	5
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	3	4	3	1	3	49	44
Survey Block 2	n	n	n	n	n	n	n	n	n	1	1	n	7	4	3	n	31	28
Survey Block 3	n	n	n	n	n	n	n	3	6	3	5	9	3	2	n	1	20	17
Survey Block 4	n	n	n	n	n	n	n	12	27	15	19	3	1	1	n	n	11	11
Survey Block 5	n	n	n	n	n	n	n	24	94	25	10	n	n	n	n	n	2	3
Survey Block 6	n	n	n	n	n	n	n	16	44	11	5	n	n	n	n	n	1	1
Survey Block 7	n	n	n	n	n	n	n	10	13	7	3	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	5	6	5	2	1	11	n	n	1	n	n	n	n	n	n	n	n
Tex. Coastal Waters	99	81	82	76	84	67	51	9	3	4	4	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	1	22	35	6	72	57	81	89	89	70	25	15	40	22	15
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	10	23	31	**	59	11	5
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	6	12	68	6	21	29	42
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	2	12	15
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location (in winter season) will contact a certain environmental resource within 30 days; Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																													
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31				
Land	62	71	42	73	15	25	37	59	14	23	18	9	38	27	11	24	35	11	13	21	52	9	38	60	71	26				
Galveston Bay	1	1	1	14	1	3	3	20	3	6	4	1	1	1	n	1	n	n	n	n	n	n	n	n	n	n				
Aransas Refuge	12	15	7	11	2	3	3	8	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tamaulipas, Mexico	2	1	5	1	3	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	34	4			
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	1	11	7	3	4	10	1	2	8	10	2	6	9	n	3			
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	1	3	4	1	1	3	17	2	8	12	1	4			
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	2	17	5			
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	1	7	4	2	4	7	1	1	6	18	1	9	16	n	4			
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	1	5	6	n	1	3	26	1	20	33	3	6			
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	2	n	3	6	13	6				
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	1	n	n	1	8	1	10	22	12	9				
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	3	4	8	21	13	2	6	10	n	1	2	11	n	6	10	n	1			
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	1	30	21	4	12	25	1	2	9	43	2	22	38	2	5			
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	2	1	2	39	45			
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	1	2	2	5	8	33	38			
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	2	3	3	1	n	3	21	4	29	64	17	28			
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	1	14	13	5	13	23	1	5	20	79	8	52	74	8	19			
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	4	43	38	13	31	57	3	12	23	26	8	21	15	3	8			
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	1	5	75	52	18	33	48	3	9	10	11	2	7	5	1	1			
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	4	15	49	36	12	21	20	1	3	3	4	n	2	2	n	n			
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	6	1	16	15	10	2	8	3	1	n	2			
Flower Garden NMS	5	6	5	5	6	18	23	16	12	9	5	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Tex. Coastal Waters	63	73	41	72	17	28	39	60	15	23	15	3	4	3	n	2	2	n	n	n	n	2	n	1	1	n	n			
La. Coastal Waters	n	n	n	n	n	n	n	n	1	4	5	8	45	32	12	26	38	2	8	20	57	5	41	64	20	20				
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	3	16	5			
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	43	6			
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	2	n	14	11	6	1	8	2	n	12	2			
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	n	6	6	3	1	4	1	n	n	n			
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1	1	4	4	3	1	1	1	n	n	1			

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
Land	98	94	71	**	96	68	50	99	**	**	**	**	**	94	**	96	82	50	22	11	9	99	91	58	52
Galveston Bay	n	n	n	n	n	1	1	n	n	n	n	n	n	n	59	7	6	11	3	1	n	2	n	5	3
Aransas Refuge	n	1	11	n	9	15	9	n	47	72	26	37	27	33	8	20	16	7	1	1	1	20	20	9	11
Tamaulipas, Mexico	29	30	11	n	3	2	3	4	n	n	1	n	n	1	n	n	n	n	n	2	3	n	1	n	1
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	2	n	1	7	6	n	n	n	n	n	n	1	n	n	3	34	18	8	4	n	2	15	14
Tex. Coastal Waters	87	76	67	**	96	69	52	98	**	**	**	**	**	95	99	96	84	52	24	12	10	99	92	60	55
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 8-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
Land	39	34	31	52	89	**	99	**	96	75	98	94	95	89	63	52	24	58	39	94	90	93	86	68	35
Galveston Bay	4	2	1	6	13	40	53	16	23	19	16	14	9	9	15	15	7	12	13	6	11	5	8	11	8
Aransas Refuge	4	5	5	9	15	2	9	2	5	11	3	5	3	4	2	2	1	1	1	3	5	2	3	2	n
Tamaulipas, Mexico	1	2	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	5	4	45	81	14	1	78	31	12	52	22	64	87	39
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	2	6
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	n	n	n	n	5	11
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	19	8	2	22	2	n	n	n	1	6	n	n	n	1	4	10	11	4	4	n	1	1	2	1	4
Tex. Coastal Waters	41	36	32	54	91	**	99	62	66	75	40	41	23	31	47	49	25	38	29	19	35	17	30	31	16
La. Coastal Waters	n	n	n	n	n	n	n	68	42	6	78	67	88	62	26	9	3	31	14	85	68	96	67	50	25
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
Land	12	5	90	67	79	47	36	52	88	80	72	55	37	18	8	3	62	52	40	23	15	8	55	42	27
Galveston Bay	4	1	9	15	6	5	2	7	3	6	9	8	7	3	2	1	6	1	n	n	n	n	6	2	1
Aranas Refuge	n	n	4	3	2	n	n	1	1	1	1	1	n	n	n	n	1	n	n	n	n	n	1	n	n
Tamaulipas, Mexico	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	2	5	1	62	4	n	n	n	1	n	n	6	16	12	7	2	n	1	7	5
Barataria Bay	n	n	n	n	n	1	2	1	n	n	n	n	1	n	n	n	1	7	7	3	2	n	1	4	2
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	2	2	1	3	n	n	n	n	n	n	n	2	11	12	4	2	n	2	4	4
W.Plaquemes C.Barr.	n	n	n	n	n	1	2	n	n	n	n	n	1	n	n	n	2	7	10	3	2	n	1	3	4
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	4	1	n	n	n	n	1	1
W. Winter Menhaden	2	n	37	85	63	47	25	65	26	64	77	71	40	18	6	2	51	22	10	5	2	n	54	26	13
C. Winter Menhaden	n	n	n	n	1	6	13	3	n	n	1	2	3	2	n	n	19	52	34	11	4	n	9	23	13
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n
Survey Block 3	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	1	6	9	4	n	n	1	3	1
Survey Block 4	n	n	n	n	1	4	8	2	n	n	n	1	2	1	n	n	7	33	44	15	4	1	4	12	11
Survey Block 5	n	n	n	n	2	14	20	4	n	1	1	4	5	5	1	1	21	89	68	28	11	1	12	31	27
Survey Block 6	n	n	n	n	3	23	44	10	n	2	3	7	12	10	3	1	32	55	22	19	9	1	24	84	61
Survey Block 7	1	n	n	1	5	49	**	18	1	3	6	13	23	19	9	3	18	12	8	9	6	2	34	82	50
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	9	13	13	n	n	n
Flower Garden NMS	7	5	1	3	1	n	n	1	1	1	1	2	1	n	1	3	1	n	n	n	n	n	n	n	n
Tex. Coastal Waters	13	5	31	40	26	11	5	16	10	24	28	19	14	6	4	2	14	3	n	1	n	n	14	6	3
La. Coastal Waters	3	1	72	40	66	44	37	43	59	68	58	45	31	16	7	3	58	55	44	23	11	n	50	45	31
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	5	12	12	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	4	5	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3	2	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	180	190	200	1P	2P	10	20	30	40	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
Land	18	9	45	81	68	85	65	77	66	91	79	72	25	13	10	11	98	91	81	74	85	89	75	92	89
Galveston Bay	1	n	14	4	6	2	4	5	5	1	2	1	n	n	n	n	1	2	1	1	3	1	2	2	2
Aransas Refuge	n	n	n	1	1	2	1	1	1	1	1	n	n	n	n	n	n	n	n	n	1	n	n	n	1
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	2	2	n	42	4	42	17	17	13	18	34	18	7	4	n	n	6	17	23	14	37	15	24	13	21
Barataria Bay	2	1	n	n	n	n	3	n	1	29	6	36	5	1	n	n	96	62	29	25	13	71	12	95	49
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Camineda Headland	2	1	n	1	1	52	6	1	2	94	36	30	7	2	n	n	45	58	38	26	55	35	29	30	54
W.Plaquemines C.Barr.	2	2	n	n	n	n	2	n	1	2	1	19	7	1	1	n	8	20	17	43	1	57	6	75	18
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	2	3	n	n	n	n	n	1	10	n	1	n	n
W. Winter Menhaden	8	2	50	47	62	37	47	52	49	18	37	19	2	n	n	n	5	18	25	18	34	18	36	13	21
C. Winter Menhaden	8	5	1	1	6	54	92	23	55	34	**	66	16	2	n	n	9	82	94	69	46	87	95	96	**
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	1	n	n	n	3	n	n	n	n
Survey Block 3	2	1	n	n	n	n	2	n	1	n	n	8	8	1	n	1	n	n	2	16	n	n	2	n	n
Survey Block 4	9	6	n	1	3	n	7	1	4	n	2	39	32	5	1	1	n	n	10	91	n	1	7	n	n
Survey Block 5	19	14	1	1	6	1	15	2	9	n	4	16	26	11	3	n	n	1	9	14	n	1	13	n	1
Survey Block 6	28	18	2	1	10	2	16	3	14	1	4	6	10	7	2	n	n	1	5	6	1	2	8	1	2
Survey Block 7	32	16	5	3	13	3	12	4	13	1	4	3	4	2	1	n	n	2	4	3	3	2	6	1	2
Fla. Keys NMS	2	6	n	n	n	n	n	n	n	n	n	n	7	14	18	16	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	4	1	1	1	n	n	n	1	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n
Tex. Coastal Waters	1	n	28	14	19	11	12	18	13	6	9	3	n	n	n	n	3	5	4	2	10	5	7	4	6
La. Coastal Waters	20	10	27	83	60	88	67	72	66	97	82	79	27	9	1	n	99	95	87	82	88	93	80	87	93
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Fla. Coastal Waters	1	3	n	n	n	n	n	n	n	n	n	n	4	9	13	17	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	2	n	n	n	n	n	n	n	n	n	n	3	5	6	8	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	2	n	n	n	n	n	n	n	n	n	n	1	3	4	4	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
Land	86	92	83	96	84	51	21	99	96	83	69	61	45	25	10	85	69	99	98	84	99	87	70	67	64
Galveston Bay	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobite Bay	n	n	n	1	5	3	n	1	2	8	14	10	7	2	n	7	18	n	2	11	3	38	5	2	1
Timbalier Bay	14	7	13	1	3	5	7	n	n	n	1	2	3	4	3	2	n	n	n	n	n	n	n	n	n
Barataria Bay	28	7	16	1	3	9	6	n	n	2	3	3	6	5	1	2	2	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	4	8	4	n	4	11	14	14	10	6	2	n	8	14	4	6	19	72	18	1	n	
Caminada Headland	28	10	21	1	4	9	5	n	n	2	3	3	5	2	4	3	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	86	97	70	5	10	15	9	n	n	4	5	8	12	8	2	8	4	n	1	1	n	n	1	n	n
Chan/Bret Coast.Barr.	n	n	1	18	38	11	1	30	57	47	26	18	12	5	n	42	23	51	44	49	17	15	2	n	n
E.Deltaic Plain Marsh.	1	4	16	**	72	29	4	**	**	47	30	26	20	9	1	68	23	**	98	32	6	5	2	1	n
W. Winter Menhaden	20	8	15	1	2	4	3	n	n	n	1	1	2	1	1	2	1	n	n	n	n	n	n	n	n
C. Winter Menhaden	72	27	53	2	9	22	14	n	n	2	5	8	13	7	2	8	4	n	n	1	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Survey Block 1	n	n	1	2	8	5	1	1	2	13	23	30	79	12	1	8	31	n	1	14	1	10	15	12	6
Survey Block 2	n	n	2	4	21	39	5	1	5	28	58	**	84	22	2	18	49	n	2	15	1	7	9	6	3
Survey Block 3	1	3	10	7	66	74	17	2	5	23	38	50	50	24	4	53	30	1	2	9	n	3	5	4	1
Survey Block 4	4	7	32	4	14	39	30	n	1	7	11	19	28	25	10	14	9	n	1	4	n	1	2	1	2
Survey Block 5	5	3	7	n	2	12	22	n	n	1	2	4	10	12	11	2	2	n	n	n	n	n	n	n	n
Survey Block 6	3	2	4	n	1	4	7	n	n	n	1	2	3	3	3	n	1	n	n	n	n	n	n	n	n
Survey Block 7	2	1	2	n	n	1	2	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	1	6	n	n	n	n	n	n	n	3	7	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	4	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	97	99	92	99	75	49	24	99	90	65	41	41	36	24	8	76	35	99	97	56	16	15	3	1	n
Miss. Coastal Waters	n	n	n	4	9	4	n	4	11	13	14	10	6	2	n	8	13	5	5	20	96	16	1	n	n
Ala. Coastal Waters	n	n	1	2	8	4	n	2	6	13	20	17	10	3	n	9	26	n	3	20	8	62	15	2	2
Fla. Coastal Waters	n	n	n	1	2	2	3	n	1	4	7	6	4	2	7	2	9	n	n	3	n	19	75	72	71
Florida Bay Seagrass	n	n	n	n	n	n	1	n	n	n	n	n	n	1	3	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	1	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	<u>Hypothetical Spill Location</u>				
	6AC	7AC	8AC	9AC	10AC
Land	43	65	47	59	42
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	n	12	10	2	3
Timbalier Bay	n	n	1	n	n
Barataria Bay	n	n	3	n	1
Mississippi Sound	n	3	3	1	1
Caminada Headland	n	n	3	n	1
W.Plaquemines C.Barr.	n	1	7	1	2
Char/Bret Coast.Barr.	n	4	9	1	3
E.Deltaic Plain Marsh.	n	5	12	2	3
W. Winter Menhaden	n	n	n	n	n
C. Winter Menhaden	n	1	5	1	2
Big Bend Seagrass	2	n	n	n	n
Florida Middle Grounds	6	n	n	n	n
Survey Block 1	3	27	66	15	26
Survey Block 2	2	17	42	9	16
Survey Block 3	1	8	29	4	11
Survey Block 4	n	3	16	3	6
Survey Block 5	n	1	4	1	1
Survey Block 6	n	n	1	n	n
Survey Block 7	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	n	7	20	2	6
Miss. Coastal Waters	n	2	3	1	1
Ala. Coastal Waters	1	28	18	4	9
Fla. Coastal Waters	48	51	19	61	38
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
Land	52	24	6	9	16	7	10	14	19	12	18	16	19	21	21	21	36	20
Galveston Bay	n	1	1	n	1	n	1	n	n	n	1	n	1	n	n	n	n	1
Aransas Refuge	7	2	n	n	2	n	n	n	n	n	2	n	n	n	n	n	n	n
Tamaulipas, Mexico	20	18	6	1	2	n	n	n	n	n	1	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
Timbalier Bay	n	n	n	1	n	n	1	n	2	1	n	n	1	n	1	n	n	4
Barataria Bay	n	n	n	n	n	n	n	n	2	1	n	n	n	n	1	1	n	3
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
Camineda Headland	n	n	n	n	n	n	n	n	2	1	n	n	n	n	1	n	n	5
W. Plaquemines C. Barr.	n	n	n	1	n	n	1	1	3	2	n	n	n	1	2	2	n	7
Chan/Bret Coast. Barr.	n	n	n	1	n	n	n	n	1	1	n	n	n	n	1	1	n	1
E. Deltaic Plain Marsh.	n	n	n	1	n	n	n	n	2	3	n	n	n	n	2	3	n	5
W. Winter Merhaden	n	n	n	5	1	1	3	2	1	n	1	1	4	1	1	n	n	8
C. Winter Merhaden	n	n	n	7	n	n	1	2	5	2	n	1	1	1	4	1	n	14
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	1	3	2	7	n	1	1	2	2	11	n	n
Survey Block 2	n	n	n	n	n	n	1	3	2	6	n	1	1	1	3	8	n	1
Survey Block 3	n	n	n	1	n	1	1	2	5	6	1	n	1	1	6	6	n	6
Survey Block 4	n	n	n	3	n	1	2	4	14	6	1	1	1	3	10	4	n	19
Survey Block 5	n	n	n	11	2	3	4	7	9	3	1	2	3	6	6	2	n	17
Survey Block 6	n	n	n	19	4	4	5	4	4	1	1	3	4	3	4	n	n	11
Survey Block 7	n	n	n	14	5	4	5	3	2	n	1	3	6	2	1	n	n	10
Fla. Keys NMS	n	n	n	n	2	4	7	16	14	13	7	12	14	25	21	23	27	n
Flower Garden NMS	1	4	3	1	2	3	2	n	n	n	2	3	1	n	n	n	n	2
Tex. Coastal Waters	47	20	6	2	13	6	3	n	n	n	10	5	2	n	n	n	n	2
La. Coastal Waters	n	n	n	9	2	1	5	5	8	4	n	2	5	3	6	4	n	21
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
Fla. Coastal Waters	n	n	n	n	1	3	6	15	16	13	10	15	20	29	24	25	53	n
Florida Bay Seagrass	n	n	n	n	1	1	3	5	6	6	5	6	7	11	7	7	15	n
Dry Tortugas	n	n	n	n	1	n	1	3	4	2	1	2	2	4	3	8	1	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																									
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25	
Land	9	16	48	63	9	n	n	n	n	n	n	42	34	32	n	1	n	n	n	n	n	n	n	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	19	19	n	2	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalter Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemes C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Char/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	10	7	n	n	n	n	n	n	n
Tex. Coastal Waters	19	30	70	88	20	n	n	n	n	n	n	69	57	51	5	5	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	
Land	n	n	n	n	39	37	n	1	n	n	36	43	4	7	n	n	n	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	3	39	1	13	n	2	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	21	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Camina Headland	n	n	n	n	n	n	n	n	n	n	n	33	n	4	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	39	n	22	n	2	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	8	64	1	59	n	11	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	4	20	28	36	6	15	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	52	55	1	5	n	n	65	74	10	22	n	3	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75	
Land	34	31	21	4	1	6	2	n	n	n	n	n	n	n	n	n	n	54	13	37	37	4	5	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	33	9	10	n	2	n	n	n	n
Timbalier Bay	7	1	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	53	12	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	37	8	n	n	n	n	n	n	n
Caminada Headland	15	6	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	46	44	n	n	n	16	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	1	50	5	n	n	n	n	n	n	n	n	n	n	n	n	n	16	9	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	36	62	5	n	3	8	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
W. Winter Merhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Merhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	1	34	n	6	n	n	n	n	n	n	n	n	n	n	n	1	n	n	5	n	44	n	n
Survey Block 2	n	1	n	23	36	1	35	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n
Survey Block 3	n	8	1	15	5	31	55	2	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	2	7	n	1	n	62	14	43	2	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	3	n	40	n	21	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	65	60	62	6	n	23	4	2	n	n	n	n	n	n	n	n	n	8	4	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	36	9	1	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	41	13	31	1	4	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	52	77	7	20	n	1	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	29	33	26	7	7	7	n	n	1	22	n	n	1	10	n	n	1	18	n	n	n	10	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	28	97	n	5	81	n	1	54	**	n	n	22	99	n	n	7	38	n	n	n	1	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	22	1	n	n	17	3	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	72	74	76	27	23	45	1	1	17	86	n	n	4	53	n	n	5	64	n	n	1	46	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125	
Land	1	9	n	n	n	n	1	19	n	n	n	n	n	2	8	n	n	n	n	n	n	2	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	n	n	n	1	n	1	12	
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	1	39	n	n	n	n	12	72	n	n	n	n	1	24	75	n	n	n	n	n	1	31	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	22	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	n	n	n	n	n	1	11	

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	32	1	1	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	13	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	33	6	2	5	n	1	22	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	32	5	n	n	n	1	16	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Land	47	15	18	10	11	16	n	3	n	13	28	11	13	51	81	40	3	16
Galveston Bay	n	4	21	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	1	54	n	1	3	19
Timbalier Bay	n	n	n	n	n	n	n	12	n	7	2	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	13	30	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	4	23	63	41	2	1
Caminada Headland	n	n	n	n	n	n	n	7	n	14	9	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	20	60	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	18	17	5	7	21	1	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	94	4	n	1	1	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	33	28
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	7
Survey Block 3	n	n	n	n	n	n	n	n	n	n	1	4	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	2	8	4	7	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	4	92	4	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	8	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	62	29	30	16	12	1	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	17	23	n	17	n	36	69	31	16	3	4	11	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	5	20	**	44	3	1
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	1	64	4	6	3	20
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
Land	n	n	n	14	n	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	4	11	n					
Galveston Bay	n	n	n	15	n	n	n	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	18	n					
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	3	n	n					
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n					
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	n	n					
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	3	14	n	n					
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n					
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	36					
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	14					
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	63					
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	n	n	n	58	n	29	57	n					
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	22	23	n	4	50	n	n	n	n	n	n	n	n					
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	67	40	n	5	16	n	n	n	n	n	n	n	n					
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	9	36	7	n	n	n	n	n	n	n	n	n	n					
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Flower Garden NMS	n	n	n	n	n	n	1	6	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Tex. Coastal Waters	n	n	n	21	n	n	n	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	4	16	n	n					
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n					
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20	n					
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E	
Land	33	n	n	86	9	n	n	18	97	87	37	89	74	15	63	10	n	n	n	n	n	27	6	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	69	8	n	n	n	n	n	n	12	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	60	2	n	96	19	n	n	38	**	**	64	99	92	30	83	27	2	n	n	n	n	n	51	19	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
Land	n	n	n	n	1	80	31	66	24	n	57	42	67	35	n	n	n	n	n	51	16	68	15	1	n
Galveston Bay	n	n	n	n	2	13	26	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	3	97	54	33	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	1	2	67	30	n	76	59	86	42	n	n	n	n	n	80	36	93	32	4	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
Land	n	n	20	n	13	n	n	n	66	24	4	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	60	23	1	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	25	1	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	89	46	4	n	n	n	n	4	4
Survey Block 6	n	n	n	n	n	1	17	n	n	n	n	n	n	n	n	n	15	35	n	n	n	n	n	2	73	61
Survey Block 7	n	n	n	n	n	23	**	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	5	66	17
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	46	2	26	n	n	n	49	53	13	n	n	n	n	n	8	n	n	n	n	n	n	1	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	180	190	200	1P	2P	10	20	30	40	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V	
Land	n	n	n	34	7	45	4	26	7	65	29	21	n	n	n	n	79	41	21	6	46	55	13	66	35	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	66	8	37	13	41	14	5	23	2	n	n	n	n	1	n	5	1	28	n	14	n	5	
Barataria Bay	n	n	n	n	n	3	n	n	n	52	12	35	n	n	n	n	97	72	40	16	23	80	10	96	59	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	6	n	61	1	3	1	91	43	13	n	n	n	n	34	17	14	7	62	5	21	1	22	
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	8	1	17	n	n	n	n	10	42	24	32	3	77	3	90	35	
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	8	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	1	n	n	n	n	32	3	n	n	n	n	n	n	2	88	n	n	1	n	n
Survey Block 5	n	n	n	n	n	n	1	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	1	n	n	n
Survey Block 6	2	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	77	23	82	18	56	21	87	56	40	n	n	n	n	97	69	46	39	77	78	34	78	62	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC	
Land	39	70	32	47	3	n	n	52	11	2	n	n	n	n	n	3	n	42	40	3	78	38	22	24	15	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	32	n	n	n
Timbalier Bay	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	39	4	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	66	10	n	n	n
Caminada Headland	8	2	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	90	95	67	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	5	2	n	n	21	24	5	n	n	n	n	n	4	n	51	29	4	8	2	n	n	n	n
E. Deltaic Plain Marsh.	n	7	12	**	31	11	n	**	99	5	1	1	n	n	n	25	n	**	95	2	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	2	6	72	12	n	n	4	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	1	17	27	n	n	1	6	33	**	87	13	n	10	17	n	n	1	n	n	n	n	n	n
Survey Block 3	n	2	5	5	65	72	5	1	1	2	6	14	20	3	n	48	2	n	1	n	n	n	n	n	n	n
Survey Block 4	n	2	22	1	3	9	1	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	94	94	69	89	7	3	n	84	34	6	n	n	n	n	n	8	n	89	66	4	5	1	n	n	n	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	94	10	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	7	46	3	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	16	52	60	51	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
Land	2	9	n	9	n
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	n	1	n	n	n
Timbalier Bay	n	n	n	n	n
Barataria Bay	n	n	n	n	n
Mississippi Sound	n	n	n	n	n
Caminada Headland	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n
Survey Block 1	n	1	23	n	n
Survey Block 2	n	n	1	n	n
Survey Block 3	n	n	n	n	n
Survey Block 4	n	n	n	n	n
Survey Block 5	n	n	n	n	n
Survey Block 6	n	n	n	n	n
Survey Block 7	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n
Ala. Coastal Waters	n	7	n	n	n
Fla. Coastal Waters	7	19	1	29	1
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	2
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	2	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	4
Survey Block 4	n	n	n	n	n	n	n	1	7	n	n	n	n	1	6	n	n	13
Survey Block 5	n	n	n	7	n	n	n	3	n	n	n	n	n	3	n	n	n	10
Survey Block 6	n	n	n	14	n	n	n	n	n	n	n	n	n	n	n	n	n	3
Survey Block 7	n	n	n	5	n	n	n	n	n	n	n	1	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	2	27	n
Flower Garden NMS	n	n	n	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	3
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	3	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
Land	55	79	96	98	68	40	20	5	23	1	n	87	76	71	38	39	17	4	1	1	n	n	n	n	n
Galveston Bay	n	n	n	1	1	n	n	n	n	n	n	5	28	31	5	22	6	1	1	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	5	6	n	2	n	n	n	n	2	n	11	27	12	n	14	6	n	2	2
Tex. Coastal Waters	64	88	99	**	74	44	25	7	28	1	1	94	84	76	45	47	21	7	1	n	1	n	n	n	
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	1	13	n	2	n	n	n	1	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
Land	n	n	n	n	73	73	37	38	8	11	75	79	48	45	19	27	17	3	5	n	n	n	n	n	n
Galveston Bay	n	n	n	n	4	n	10	1	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Arensas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	4	44	2	27	1	15	12	n	4	n	1	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	24	n	2	n	3	3	n	1	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	36	n	7	n	5	6	n	1	n	1	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	10	n	1	n	2	2	n	1	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	3	14	n	13	n	6	n	2	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	9	46	3	44	1	27	n	10	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	13	66	8	68	7	45	3	24	n
Survey Block 7	1	n	n	1	n	n	n	n	n	1	n	n	n	n	6	5	22	37	39	29	34	14	22	n	7
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	16	3	24	2	9	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	68	82	25	47	3	16	87	92	61	65	29	42	29	5	9	n	2	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75	
Land	75	59	55	27	21	48	18	24	2	5	n	1	n	n	n	n	n	83	59	66	75	28	48	6	16	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	2	8	12	n	n	n	n	n	n	n	n	n	n	n	n	37	24	15	n	10	1	4	n	
Timbalier Bay	17	7	n	n	n	16	2	10	1	4	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	
Barataria Bay	59	20	n	1	n	27	7	14	2	4	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mississippi Sound	n	1	6	12	6	n	n	n	n	n	n	n	n	n	n	n	n	46	24	3	n	1	n	n	n	
Caminada Headland	22	12	n	n	n	18	4	11	1	5	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	
W.Plaquemines C.Barr.	53	48	n	2	1	34	16	13	5	3	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	
Chan/Bret Coast.Barr.	n	6	60	14	2	n	4	n	n	n	n	n	n	n	n	n	n	23	21	n	n	n	n	1	n	
E.Deltaic Plain Marsh.	n	37	66	10	4	5	18	n	4	n	n	n	n	n	n	n	n	2	2	n	n	n	n	2	n	
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	2	6	41	n	9	n	4	n	n	n	n	n	n	n	n	n	2	3	1	17	2	56	2	
Survey Block 2	n	5	3	28	41	2	43	n	10	n	2	n	n	n	n	n	n	n	1	n	n	4	n	27	n	
Survey Block 3	1	11	1	20	16	33	74	11	30	2	7	n	1	n	n	n	n	n	n	n	n	n	n	10	n	
Survey Block 4	3	9	n	3	3	66	35	57	19	32	5	8	2	1	1	n	n	n	n	n	n	n	n	1	n	
Survey Block 5	n	n	n	n	n	4	1	45	2	42	3	23	2	7	n	1	n	n	n	n	n	n	n	n	n	
Survey Block 6	n	n	n	n	n	n	n	2	n	5	n	6	n	5	n	1	n	n	n	n	n	n	n	n	n	
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	5	n	n	n	n	n	n	n	n	
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
La. Coastal Waters	86	76	71	17	3	66	26	35	7	12	1	2	n	n	n	n	n	13	13	n	n	n	n	1	n	
Miss. Coastal Waters	n	1	8	11	5	n	n	n	n	n	n	n	n	n	n	n	n	45	24	3	n	1	n	n	n	
Ala. Coastal Waters	n	n	2	12	21	n	1	n	n	n	n	n	n	n	n	n	n	49	35	42	3	20	3	5	1	
Fla. Coastal Waters	n	n	n	1	6	n	n	n	n	n	n	n	n	n	n	n	n	1	5	61	87	25	63	7	31	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	4	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	78	78	80	53	54	69	13	20	41	74	1	3	18	49	n	n	8	41	n	n	5	36	n	n	1
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	31	97	n	20	90	1	18	81	**	1	9	60	**	n	2	37	63	n	n	14	30	n	n	1
Florida Middle Grounds	n	n	n	n	n	n	3	25	1	n	5	36	9	n	3	13	10	1	n	1	3	1	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	91	96	98	70	74	90	26	39	70	97	3	8	41	87	1	1	23	77	n	n	11	65	n	n	2
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 8-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125	
Land	8	38	n	n	n	2	20	54	n	n	n	n	6	31	42	n	1	n	n	2	11	21	n	3	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Merhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Merhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	8	12	n	n	n	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	3	n	n	n	n	n	23	3	2	n	n	n	n	36	36	17	4	n	n	3	15	44	35	
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	19	63	n	n	1	7	39	84	2	n	n	2	19	57	87	5	4	n	1	7	30	64	2	10	2	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	4	2	n	n	n	n	23	2	7	1	
Dry Tortugas	n	n	1	n	n	n	n	n	8	1	2	n	n	n	n	7	15	15	4	n	n	n	n	7	18	

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
Land	n	1	3	8	4	4	2	2	4	1	n	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	2	n	1	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	3	n	2	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	56	6	20	13	4	5	n	1	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	45	2	16	4	2	1	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	21	1	10	1	2	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	4	n	2	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	39	7	2	6	47	46	60	n	n	n	n	n	n	n	n	2	n	15	9	23
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	2	n	1	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	1	2	14	33	15	13	5	n	7	n	1	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	7	10	10	7	n	n	n	n	n	n	n	n	n	n	n	n	1
Dry Tortugas	37	5	1	n	7	11	28	n	n	n	n	n	n	n	2	n	5	3	8	

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Land	92	50	50	37	48	53	7	43	25	56	73	40	48	82	95	76	32	40
Galveston Bay	n	12	28	24	10	5	2	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	2	7	57	2	5	17	31
Timbalier Bay	n	n	n	n	n	n	n	37	19	27	14	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	6	8	23	42	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	5	21	34	64	54	11	5
Caminada Headland	n	n	n	n	n	n	n	17	14	25	20	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	3	6	26	66	1	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	37	34	14	10	33	6	3
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	94	7	1	2	3	2	1
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	3	1	n	n	n	38	34
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	7	2	n	n	n	19	15
Survey Block 3	n	n	n	n	n	n	n	1	1	1	2	6	n	n	n	n	7	6
Survey Block 4	n	n	n	n	n	n	n	7	27	9	8	1	n	n	n	n	1	1
Survey Block 5	n	n	n	n	n	n	n	6	94	6	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	1	10	1	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	4	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	95	58	57	39	37	20	6	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	5	29	44	4	60	40	73	87	48	28	9	6	21	4	1
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	6	21	32	**	57	11	5
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	3	12	70	5	13	26	40
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	1	6	8
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																																
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31							
Land	7	23	n	42	n	n	2	28	n	n	n	n	12	5	n	1	7	n	n	1	25	n	14	38	44	1							
Galveston Bay	n	n	n	21	n	n	1	19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	35	n						
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	8	5	n	1	7	n	n	n	6	n	3	7	n	n	n						
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	2	n	n	1	19	n	9	21	n	n	n						
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n						
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	3	1	n	2	5	n	n	n	9	n	6	10	n	n	n						
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	2	n	n	1	25	n	14	36	n	1							
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	4	1							
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	5	13	1	2							
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1	n	29	62						
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	6	3	19	40					
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	5	17	2	32	68	5	15						
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	10	9	2	9	25	n	3	13	72	n	43	73	2	2						
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	2	34	36	13	36	74	1	6	9	5	n	2	1	n	n						
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	10	74	54	19	29	25	n	1	n	n	n	n	n	n	n						
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	1	32	41	24	5	4	3	n	n	n	n	n	n	n	n	n						
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
Flower Garden MMS	2	3	3	5	2	16	25	9	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
Tex. Coastal Waters	9	27	n	45	n	1	4	32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
La. Coastal Waters	n	n	n	n	n	n	n	1	n	n	n	n	19	10	n	3	13	n	n	1	37	n	23	51	3	2							
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n						
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	42	1						
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n						
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E	
Land	76	33	3	**	74	11	1	89	**	**	94	99	96	76	85	59	33	9	n	n	n	72	57	16	13	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	75	21	7	3	n	n	n	22	10	3	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	1	4	n	n	n	n	n	n	n	n	n	n	2	20	6	5	1	n	n	8	12
Tex. Coastal Waters	87	46	6	**	81	14	2	95	**	**	97	**	**	83	93	68	41	11	n	n	n	83	67	22	17	
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	1	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
Land	2	n	n	10	39	94	73	86	58	19	82	76	90	70	25	6	n	23	7	86	66	88	61	41	8
Galveston Bay	n	n	n	2	16	15	37	3	6	8	1	1	n	n	n	1	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	21	7	1	21	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n
Tex. Coastal Waters	4	n	n	15	45	99	77	39	22	21	6	3	1	1	1	4	n	n	1	1	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	4	8	74	48	6	86	83	96	69	31	8	n	30	10	91	79	96	75	54	13
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 8-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
Land	n	n	69	33	58	21	5	25	87	67	51	28	9	n	n	n	36	24	12	1	n	n	29	8	1	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	1	2	1	1	62	31	4	n	n	n	n	n	15	14	7	1	n	n	2	4	1	
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	10	7	1	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	5	4	n	n	n	n	n	n	2	15	9	2	n	n	n	1	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	8	6	1	n	n	n	n	n	n
Char/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	1	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	3	33	51	15	3	n	n	4	7	
Survey Block 5	n	n	n	n	n	3	9	n	n	n	n	n	n	n	n	n	9	90	63	33	15	2	3	21	35	
Survey Block 6	n	n	n	n	n	5	29	1	n	n	n	n	2	3	3	1	18	37	3	5	5	n	5	75	82	
Survey Block 7	n	2	n	n	n	25	**	2	n	n	n	1	6	18	20	2	1	1	n	n	n	n	7	67	30	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	83	43	71	32	12	36	53	85	63	40	15	2	n	n	52	39	23	4	n	n	42	16	4	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
Land	n	n	14	76	51	81	43	68	45	89	68	57	2	n	n	n	94	81	68	59	80	89	58	93	77
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Arensas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	71	19	44	33	52	30	8	35	11	n	n	n	n	2	6	16	11	33	3	35	1	10
Barataria Bay	n	n	n	2	n	7	2	2	1	57	18	48	2	n	n	n	98	81	52	40	28	83	17	96	68
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	11	3	62	7	8	3	92	46	24	1	n	n	n	36	23	27	25	63	10	30	5	28
W. Plaquemines C. Barr.	n	n	n	1	n	4	1	1	1	15	8	31	3	n	n	n	15	56	36	47	10	83	7	93	48
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	3	12	3	n	n	n	n	n	1	n	n	n	n
Survey Block 4	4	n	n	n	n	n	3	n	1	n	1	34	22	5	1	n	n	n	n	4	89	n	2	n	1
Survey Block 5	19	4	n	n	1	n	3	n	2	n	1	2	8	1	n	n	n	n	n	1	1	n	n	1	n
Survey Block 6	38	14	n	n	1	n	2	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
Survey Block 7	30	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	19	92	71	93	59	85	64	96	81	70	4	n	n	n	99	90	79	76	91	93	73	86	87
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
Land	81	85	68	61	23	17	4	72	45	21	15	13	8	2	n	23	18	72	66	34	93	74	59	76	72
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	1	2	n	1	2	5	7	5	1	n	n	2	10	1	1	12	2	41	3	1	n	n
Timbalier Bay	11	6	10	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	48	10	28	1	2	7	2	n	n	1	n	2	3	1	n	1	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	2	3	n	n	3	5	7	7	4	1	n	n	3	8	4	5	14	68	18	1	n	n
Caminada Headland	16	7	13	n	1	3	1	n	n	n	n	n	1	1	n	1	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	91	95	73	1	4	16	6	n	n	1	1	4	7	3	n	3	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	1	15	16	4	n	30	44	17	5	5	3	1	n	19	5	55	39	15	13	7	n	n	n
E.Deltaic Plain Marsh.	n	8	13	**	38	22	4	**	99	10	5	7	11	5	n	31	3	**	95	4	2	1	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	1	2	2	1	1	2	7	11	15	74	27	4	2	15	1	1	5	n	1	3	n	n
Survey Block 2	n	1	1	5	27	34	8	2	5	15	41	**	92	43	4	18	25	1	2	6	n	n	n	n	n
Survey Block 3	n	4	7	8	66	82	32	1	3	8	16	32	54	30	5	50	8	1	2	2	n	n	n	n	n
Survey Block 4	n	4	24	3	9	34	20	n	n	1	2	7	15	9	n	7	1	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	97	98	86	91	28	27	8	89	52	18	6	10	12	5	n	27	4	92	75	11	9	5	n	n	n
Miss. Coastal Waters	n	n	n	2	3	n	n	4	6	7	7	4	1	n	n	3	8	3	5	13	95	17	1	n	n
Ala. Coastal Waters	n	n	n	1	3	1	n	1	3	7	9	7	1	n	n	4	14	1	3	19	8	60	13	1	n
Fla. Coastal Waters	n	n	n	1	n	n	n	n	1	2	n	n	n	n	n	1	2	n	n	3	n	21	69	86	83
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	<u>Hypothetical Spill Location</u>				
	6AC	7AC	8AC	9AC	10AC
Land	33	36	7	54	24
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	n	8	3	2	1
Timbalier Bay	n	n	n	n	n
Barataria Bay	n	n	n	n	n
Mississippi Sound	n	1	n	n	n
Caminada Headland	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	1	n	n
W. Winter Menhaden	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n
Florida Middle Grounds	2	n	n	n	n
Survey Block 1	n	11	47	2	4
Survey Block 2	n	1	19	n	n
Survey Block 3	n	n	5	n	n
Survey Block 4	n	n	1	n	n
Survey Block 5	n	n	n	n	n
Survey Block 6	n	n	n	n	n
Survey Block 7	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n
Miss. Coastal Waters	n	1	n	n	n
Ala. Coastal Waters	n	24	6	4	2
Fla. Coastal Waters	51	39	7	67	39
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

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Table B-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
Land	3	n	n	1	1	n	n	n	3	n	1	1	n	1	2	n	14	8
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	3
Barataria Bay	n	n	n	1	n	n	n	n	3	n	n	n	n	n	3	n	n	3
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	1	n	n	n	n	1	n	n	n	n	n	1	n	n	3
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	3	n	n	n	n	n	3	n	n	5
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	10	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	5	n	1
Survey Block 3	n	n	n	n	n	n	n	n	2	2	n	n	n	n	3	1	n	6
Survey Block 4	n	n	n	4	n	n	n	4	10	n	n	n	1	4	8	n	n	18
Survey Block 5	n	n	n	11	n	n	1	8	2	n	n	n	2	6	n	n	n	15
Survey Block 6	n	n	n	17	n	n	5	1	n	n	n	2	4	n	n	n	n	8
Survey Block 7	n	n	n	12	n	n	7	n	n	n	1	3	8	n	n	n	n	5
Fla. Keys NMS	n	n	n	n	n	n	n	n	2	4	9	10	15	27	21	10	35	n
Flower Garden NMS	n	3	n	n	n	2	n	n	n	1	3	n	n	n	n	n	n	n
Tex. Coastal Waters	6	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	3	n	n	n	1	4	n	n	n	n	1	4	n	n	10
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	1	2	2	4	3	1	30	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	2	2	2	2	1	1	12	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	1	1	2	4	5	7	8	5	5	n

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Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
Land	94	98	**	**	89	71	53	37	63	29	22	97	92	89	73	71	57	40	42	47	23	25	32	17	14
Galveston Bay	1	n	n	1	4	4	7	5	4	3	1	9	30	33	16	26	14	7	10	5	3	5	4	2	2
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	4	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	1	n	n	n	2	7	12	18	6	15	14	n	n	n	5	1	13	32	14	1	27	13	2	18	10
Tex. Coastal Waters	92	98	**	**	90	74	56	37	66	30	22	98	92	82	73	63	51	36	24	15	21	17	12	15	11
La. Coastal Waters	n	n	n	n	n	1	2	2	1	2	1	1	6	20	4	14	10	9	23	40	6	13	29	3	4
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	
Land	22	11	9	11	89	93	75	82	59	67	93	93	87	83	74	75	69	57	60	43	47	26	34	7	17	
Galveston Bay	4	1	n	2	5	2	18	4	16	6	1	n	2	n	1	n	n	1	n	1	n	1	n	n	n	
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Timballer Bay	1	n	n	1	n	n	n	n	n	n	n	4	45	3	31	3	24	21	6	17	4	15	4	10	n	5
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	26	n	4	1	6	10	n	9	1	7	1	3	n	2
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	36	1	9	n	9	12	1	12	1	9	1	6	1	4
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	13	n	3	1	5	9	n	9	1	7	1	4	n	3
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	1	n	n	
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	1	n	1	n	n	
Survey Block 3	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	1	4	n	5	1	4	n	5	n	3	
Survey Block 4	1	n	n	2	n	n	n	n	n	n	n	n	n	2	1	6	18	2	21	5	22	5	18	3	15	
Survey Block 5	2	n	1	5	n	n	n	n	n	n	n	1	n	3	3	12	47	7	48	10	40	13	34	7	26	
Survey Block 6	3	n	1	10	n	n	n	n	n	1	n	1	1	5	4	16	66	13	70	18	52	23	44	14	31	
Survey Block 7	11	n	3	20	n	n	n	n	n	2	n	n	1	2	7	8	23	40	42	40	37	44	34	20	27	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Flower Garden NMS	2	14	6	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	9	11	6	5	22	7	40	14	36	15	3	1	5	2	3	1	n	3	1	3	n	2	n	1	n	
La. Coastal Waters	17	1	5	8	76	90	42	74	29	60	94	96	87	89	77	79	74	62	66	49	54	29	40	8	23	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75	
Land	90	78	79	65	55	76	55	62	36	42	21	29	12	17	9	12	12	93	79	81	85	55	72	43	63	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	2	6	16	21	n	4	n	2	n	n	n	n	n	n	n	n	1	39	29	18	1	16	2	13	2
Timbalier Bay	19	10	n	1	n	21	5	19	6	15	5	11	4	7	3	4	n	n	n	n	n	n	n	n	1	n
Barataria Bay	61	22	1	2	2	31	17	25	15	15	10	9	5	5	3	3	1	n	n	n	n	n	n	n	1	n
Mississippi Sound	n	2	13	19	11	n	3	n	1	n	n	n	n	n	n	n	n	46	28	3	n	3	n	6	n	
Caminada Headland	23	13	1	n	1	24	10	18	9	15	7	10	3	7	3	2	n	n	n	n	n	n	n	n	1	n
W.Plaquemines C.Barr.	54	50	1	4	4	40	27	26	20	16	11	6	8	4	4	3	1	n	n	1	n	n	n	3	n	n
Chan/Bret Coast.Barr.	n	7	63	21	8	1	8	1	4	n	2	n	n	n	n	n	n	1	25	23	1	n	1	n	5	n
E.Deltaic Plain Marsh.	n	37	67	12	7	6	24	3	12	3	6	2	2	1	2	n	n	3	2	1	n	1	1	1	7	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1
Survey Block 1	n	4	9	15	48	2	15	2	12	2	8	2	6	2	4	2	4	3	9	9	5	29	9	63	11	
Survey Block 2	n	7	8	32	47	4	48	4	25	5	16	5	7	4	6	1	4	1	4	5	2	15	4	37	5	
Survey Block 3	1	13	5	25	23	34	82	20	50	18	26	11	13	9	7	5	3	n	2	3	1	8	1	19	2	
Survey Block 4	3	11	1	8	9	69	48	63	40	49	24	24	18	15	10	10	2	n	n	1	n	2	1	7	n	
Survey Block 5	1	1	n	1	n	7	4	48	7	50	7	34	9	23	5	12	1	n	n	n	n	n	n	n	n	
Survey Block 6	1	1	n	n	n	3	1	4	2	9	1	11	2	12	1	7	n	n	n	n	n	n	n	n	n	
Survey Block 7	1	n	n	n	n	1	n	1	n	1	n	2	n	3	n	4	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	2	1	4	3	11	10	29	n	n	n	n	n	n	n	
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
La. Coastal Waters	95	82	75	24	13	82	50	67	38	48	24	33	14	22	10	12	2	15	15	2	n	2	1	8	n	
Miss. Coastal Waters	n	3	16	20	10	n	4	n	1	n	n	n	n	n	n	n	n	45	28	3	n	3	n	6	n	
Ala. Coastal Waters	n	5	10	27	35	n	7	n	3	n	n	n	1	n	n	n	1	52	43	46	6	30	6	21	6	
Fla. Coastal Waters	n	1	5	9	15	n	2	n	2	n	1	1	1	1	5	5	19	3	14	65	91	39	77	22	65	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	2	8	n	n	n	n	n	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	1	n	2	1	7	4	9	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%
The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 8-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	89	96	97	81	87	96	67	81	93	98	49	70	88	95	35	43	77	92	22	20	57	85	13	10	31
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n	1	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	32	97	2	24	91	7	33	84	**	11	37	76	**	11	36	71	73	7	21	56	56	5	12	36
Florida Middle Grounds	n	n	n	1	1	n	8	26	1	n	15	42	9	n	12	25	13	3	11	15	14	5	6	10	9
Survey Block 1	3	1	n	3	n	n	1	n	n	n	1	n	n	n	2	n	n	n	5	n	n	n	5	1	n
Survey Block 2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	3	n	n	n	3	1	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	2	n	n	n	1	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	1	n	n	n	n	n	2	n	n	n	1	n	n	n	1	n	n	n	2	n	n	n	1	n	n
Fla. Coastal Waters	95	99	**	88	96	99	76	90	99	**	61	80	96	**	45	56	87	98	30	33	70	95	20	18	44
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125	
Land	56	80	6	6	11	35	61	79	14	3	6	20	42	65	74	31	17	7	13	32	50	64	23	28	16	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tansulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	51	44	3	6	18	37	39	22	1	2	6	23	29	22	13	1	4	4	11	21	19	10	n	2	4	
Florida Middle Grounds	9	6	6	8	5	8	7	3	n	3	3	4	6	5	2	n	1	2	2	3	5	3	n	n	n	n
Survey Block 1	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	10	3	5	2	n	n	41	14	11	5	1	n	n	50	48	26	11	3	n	3	32	52	41	
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	70	90	13	11	19	50	74	94	21	6	11	32	57	80	94	44	27	13	20	43	63	85	36	43	26	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	9	1	n	n	n	n	n	17	7	1	n	n	n	23	14	16	3	
Dry Tortugas	n	n	4	2	4	1	n	n	14	7	10	4	1	n	n	9	22	22	9	2	n	n	1	9	22	

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
Land	10	24	40	53	28	24	24	35	52	26	36	16	30	9	17	7	8	18	11	25
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	9	3	3	6	3	4	2	2	1	1	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	2	n	1	n	2	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	4	n	5	1	2	1	2	n	1	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	4	1	3	2	1	2	n	2	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	2	n	2	1	2	n	1	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	9	1	10	2	5	1	4	1	2	n	n	n	n
Char/Bret Coast. Barr.	n	n	n	n	n	n	n	6	1	4	3	2	1	1	1	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	9	1	9	3	6	2	4	3	2	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	6	16	16	12	2	2	4	n	1	n	n	n	1	n	n	n	n	1	1	n
Florida Middle Grounds	1	1	2	1	n	n	n	n	3	n	2	n	2	n	1	1	2	n	2	n
Survey Block 1	n	n	n	n	n	n	n	63	12	38	23	19	19	16	17	10	12	2	2	n
Survey Block 2	n	n	n	n	n	n	n	58	8	42	15	22	13	16	12	9	8	1	n	n
Survey Block 3	n	n	n	n	n	n	n	39	3	36	9	19	7	14	7	6	3	1	n	n
Survey Block 4	n	n	n	n	n	n	n	16	1	17	3	10	3	8	2	2	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	44	11	3	6	54	55	64	n	n	1	n	2	n	2	n	11	4	48	29	51
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	18	2	18	5	10	3	6	2	3	1	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	4	1	3	2	1	1	n	2	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	14	7	6	9	4	8	2	3	1	2	n	n	n
Fla. Coastal Waters	19	36	53	69	45	38	36	9	52	5	31	6	27	5	17	6	9	33	17	40
Florida Bay Seagrass	n	n	n	8	20	15	9	n	n	n	n	n	n	n	n	2	1	14	6	17
Dry Tortugas	40	9	1	n	8	15	30	n	n	1	n	1	n	1	n	5	1	13	11	12

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Land	98	75	76	70	77	79	58	81	69	84	91	69	75	92	98	89	62	65
Galveston Bay	n	18	34	32	14	11	15	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	9	13	58	2	7	26	38
Timbalier Bay	n	n	n	n	n	n	n	44	28	32	17	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	9	19	27	44	1	n	n	n	n	1	1
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	12	29	36	64	57	16	8
Caminada Headland	n	n	n	n	n	n	n	21	24	29	21	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	6	16	28	67	2	1	n	n	n	1	1
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	43	40	16	10	36	10	5
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	1	n	n	94	9	1	2	4	5	5
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	12	10	2	n	4	44	39
Survey Block 2	n	n	n	n	n	n	n	n	1	n	1	13	7	1	n	1	26	23
Survey Block 3	n	n	n	n	n	n	n	2	5	2	2	11	3	n	n	1	15	13
Survey Block 4	n	n	n	n	n	n	n	8	30	9	8	4	1	n	n	n	5	4
Survey Block 5	n	n	n	n	n	n	n	8	94	9	2	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	4	13	3	1	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	1	3	1	1	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	1	6	6	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	98	76	74	55	48	31	29	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	4	5	20	43	56	33	86	77	89	95	53	33	11	6	24	10	7
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	13	28	33	**	60	16	8
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	15	23	73	6	18	40	50
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	6	8	4	1	4	14	16
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																													
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31				
Land	38	57	21	65	13	23	38	58	28	42	38	34	63	51	29	45	60	8	16	29	60	16	46	68	67	35				
Galveston Bay	5	8	2	28	2	5	6	25	6	8	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Aranas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	1	40	10			
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	2	20	16	9	15	22	2	7	8	11	2	9	12	n	2			
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	1	7	10	7	12	14	5	6	11	30	5	18	30	n	3			
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	2	15	7				
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	1	12	7	13	16	4	5	8	16	2	13	16	n	2				
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	1	7	9	8	13	15	5	6	12	40	8	25	46	1	8			
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	2	3	3	2	6	7			
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	1	1	1	5	6	4	10	15	3	10			
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	4	1	20	8	1	35	69		
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	2	2	3	5	11	4	21	17	7	25	56		
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	2	2	3	9	8	7	6	10	24	27	19	50	71	12	32			
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	1	6	17	19	24	30	36	13	20	34	82	11	58	80	4	13			
Survey Block 5	n	n	n	n	n	n	n	n	n	n	1	12	39	46	38	49	77	9	17	19	12	1	8	5	n	n				
Survey Block 6	n	n	n	n	n	n	n	n	n	n	2	21	76	63	32	35	29	1	3	2	3	n	2	2	n	n				
Survey Block 7	n	n	n	n	n	n	n	n	n	1	1	6	49	43	36	13	8	5	n	n	n	1	n	1	1	n	n			
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	7	2	n	n	1	1	n	n	n	n			
Flower Garden NMS	14	9	20	10	14	26	30	11	4	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Tex. Coastal Waters	39	60	19	64	11	20	32	48	15	20	13	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n			
La. Coastal Waters	2	1	3	4	4	7	8	15	19	30	34	40	70	60	36	52	64	10	19	32	65	13	50	72	6	16				
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	2	14	7				
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	3	1	2	52	16				
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	1	1	6	2	3	13	8				
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n			
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	3	n	n	n	1	n	n	n	n	n			

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
Land	99	85	39	**	93	46	29	**	**	**	99	**	**	92	97	85	69	50	35	17	10	92	82	54	48
Galveston Bay	n	2	3	n	1	5	5	n	n	n	1	n	3	6	76	25	15	10	8	4	1	27	16	11	9
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	5	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	3	12	n	1	13	20	n	n	n	n	n	n	1	n	n	4	21	10	15	10	n	2	9	16
Tex. Coastal Waters	98	85	40	**	93	48	28	**	**	**	**	**	**	94	96	82	64	38	21	12	7	91	83	52	47
La. Coastal Waters	n	n	1	n	n	2	2	n	n	n	n	n	1	1	6	10	8	15	20	8	4	7	4	5	5
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
Land	37	19	12	50	72	98	90	94	85	65	94	94	97	91	79	63	41	77	61	96	90	97	91	82	61
Galveston Bay	6	3	1	10	21	15	38	3	10	18	1	2	1	2	4	13	9	3	6	n	1	n	1	2	3
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timballer Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	1	1	1
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chen/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	1	2
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	27	21	17	24	2	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n
Tex. Coastal Waters	33	18	12	44	66	99	83	42	31	43	10	9	2	6	13	29	21	11	16	2	5	1	5	9	
La. Coastal Waters	7	4	1	10	12	5	17	78	63	29	90	89	97	80	73	44	26	72	53	93	92	98	92	85	61
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
Land	29	17	93	79	90	74	62	78	96	90	87	81	68	52	35	12	80	70	55	40	24	13	79	64	56	
Galveston Bay	4	3	1	3	1	1	1	2	n	1	1	1	2	1	1	1	n	n	n	n	n	n	n	n	n	
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Timbalier Bay	n	1	n	n	2	4	10	2	62	33	5	2	2	3	1	2	22	26	19	15	12	5	5	19	14	
Barataria Bay	n	n	n	n	n	1	2	n	1	2	n	n	n	n	n	n	3	21	20	14	6	3	n	3	10	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Caminada Headland	n	n	n	n	n	1	2	1	6	5	1	n	1	1	n	1	5	25	18	12	7	5	1	8	11	
W.Plaquemines C.Barr.	n	n	n	n	n	2	3	n	1	2	n	n	n	n	n	1	2	17	22	14	6	3	n	4	8	
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	3	1	n	n	1	n	n	
M. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	1	1	1	n	n	n	
Survey Block 2	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	3	4	4	2	n	1	1	
Survey Block 3	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	6	18	14	10	6	n	3	3	
Survey Block 4	n	1	n	n	n	2	7	n	n	n	n	n	1	2	5	4	4	36	60	35	20	9	2	10	19	
Survey Block 5	1	4	n	n	n	4	14	1	n	n	n	n	2	5	10	12	11	90	67	44	30	17	4	25	44	
Survey Block 6	1	7	n	n	n	8	32	2	n	1	n	1	4	11	17	21	19	38	6	9	14	8	6	76	85	
Survey Block 7	5	18	n	n	n	25	**	3	n	n	1	2	7	25	40	31	2	3	n	1	1	1	1	7	68	34
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	n	n	
Flower Garden NMS	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	11	7	4	9	3	3	2	4	1	2	5	4	4	3	3	2	2	n	n	n	n	n	n	3	1	1
La. Coastal Waters	24	15	93	79	93	78	68	81	55	96	89	84	72	56	38	15	83	77	60	43	29	15	81	71	62	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
Land	40	24	70	92	88	94	80	90	82	96	88	80	34	18	11	9	99	94	88	81	93	96	85	98	92
Galveston Bay	n	n	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	11	6	1	72	21	45	41	54	32	10	37	16	8	5	3	n	3	8	20	16	35	6	38	2	12
Barataria Bay	7	4	n	3	1	7	5	3	3	58	20	52	15	8	4	1	98	84	53	45	30	85	20	96	70
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	9	5	n	12	5	63	11	9	6	92	48	29	11	7	3	1	36	26	28	29	64	12	32	6	30
W. Plaquemines C. Barr.	6	4	n	2	1	5	4	3	3	16	10	36	18	9	6	2	17	58	39	51	12	84	11	94	51
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	1	n	n	n	n	n	n	n	n	n	n	n	5	5	1	2	n	n	n	3	n	n	1	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	5	5	3	3	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	1	13	8	5	5	n	n	n	2	n	n	n	n
Survey Block 3	2	2	n	n	n	n	1	n	n	n	n	7	31	19	9	6	n	n	1	12	n	n	1	n	n
Survey Block 4	20	15	n	n	n	n	4	1	2	n	1	36	44	23	14	5	n	1	5	89	n	1	3	n	1
Survey Block 5	39	33	n	1	1	1	5	2	3	n	2	5	18	11	8	2	n	1	2	2	n	n	3	n	1
Survey Block 6	52	42	n	1	1	1	5	2	4	n	3	2	1	2	1	n	n	1	2	1	n	n	3	n	2
Survey Block 7	39	35	n	n	1	n	2	1	2	n	1	1	n	n	n	n	1	1	1	1	n	n	2	n	1
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	7	22	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	12	1	2	n	1	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
La. Coastal Waters	49	31	66	96	91	97	88	94	88	98	93	83	37	21	13	4	**	96	92	88	97	96	89	88	95
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	1	1	3	14	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	2	3	11	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
Land	93	94	86	81	62	52	36	87	72	61	53	50	50	35	17	61	55	87	85	66	97	85	72	87	87
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	1	6	11	4	1	4	9	17	20	17	9	4	2	11	22	4	5	18	3	44	5	1	n
Timbalier Bay	12	7	12	1	2	6	7	n	n	n	1	2	2	3	2	1	1	n	n	n	n	n	n	n	n
Barataria Bay	50	11	30	1	4	15	13	n	1	1	1	3	10	9	5	3	1	n	n	1	n	n	n	n	n
Mississippi Sound	n	n	n	6	10	5	n	7	12	18	14	12	9	3	2	13	15	6	9	25	68	20	1	n	n
Caminada Headland	17	9	16	n	2	8	10	1	1	1	1	1	5	6	3	2	1	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	91	96	75	2	8	25	21	n	1	2	2	7	16	17	8	6	2	n	1	1	n	n	n	n	n
Chan/Bret Coast.Barr.	n	1	1	19	23	9	3	33	50	25	14	11	10	7	3	26	11	56	42	21	13	9	1	n	n
E.Deltaic Plain Marsh.	n	8	14	**	39	27	11	**	99	14	8	12	19	15	6	33	6	**	95	6	2	1	1	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	1	1	6	12	8	9	4	12	18	23	27	78	38	19	12	27	5	7	16	1	4	10	4	3
Survey Block 2	n	1	2	10	30	39	21	5	11	20	46	**	93	58	23	23	32	4	6	13	n	2	4	1	1
Survey Block 3	n	4	7	11	67	87	53	3	6	13	25	42	65	55	26	52	16	2	3	7	n	1	2	1	n
Survey Block 4	1	4	25	5	16	47	45	2	2	5	8	13	28	28	15	14	6	1	1	2	n	n	1	n	n
Survey Block 5	1	1	2	n	n	4	8	n	n	n	1	1	2	2	1	1	n	n	n	n	n	n	n	n	n
Survey Block 6	2	1	1	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	99	99	94	93	40	48	38	90	57	28	15	20	35	31	16	36	11	93	77	17	9	6	n	n	n
Miss. Coastal Waters	n	n	n	7	11	5	n	7	14	17	13	12	8	4	2	14	14	6	11	24	95	19	1	n	n
Ala. Coastal Waters	n	1	1	9	16	6	2	7	14	23	28	24	12	6	3	19	31	5	10	32	10	63	18	2	1
Fla. Coastal Waters	n	n	n	5	8	4	3	4	6	9	10	8	5	2	3	8	10	3	5	11	1	24	76	91	90
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	<u>Hypothetical Spill Location</u>				
	6AC	7AC	8AC	9AC	10AC
Land	73	57	40	75	66
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	1	12	13	3	3
Timbalier Bay	n	n	1	n	n
Barataria Bay	n	n	1	n	n
Mississippi Sound	n	4	5	n	1
Caminada Headland	n	n	1	n	n
W.Plaquemines C.Barr.	n	n	3	n	n
Chan/Bret Coast.Barr.	n	1	3	n	n
E.Deltaic Plain Marsh.	n	2	4	n	n
W. Winter Menhaden	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n
Big Bend Seagrass	4	n	n	n	n
Florida Middle Grounds	4	n	n	n	n
Survey Block 1	1	23	59	10	14
Survey Block 2	n	12	34	3	6
Survey Block 3	n	6	14	1	2
Survey Block 4	n	2	6	n	n
Survey Block 5	n	n	n	n	n
Survey Block 6	n	n	n	n	n
Survey Block 7	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	n	1	6	n	n
Miss. Coastal Waters	n	3	5	n	1
Ala. Coastal Waters	1	30	23	7	9
Fla. Coastal Waters	80	51	22	77	68
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

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Table B-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
Land	24	7	10	20	11	11	19	17	20	16	15	21	25	21	17	16	28	27
Galveston Bay	1	2	2	n	1	1	1	n	n	n	1	1	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	2	n	n	n	n	n	1	3	n	n
Timbalier Bay	n	n	1	4	1	1	2	4	2	n	1	2	3	2	1	n	8	
Barataria Bay	n	n	n	2	n	1	n	2	5	1	n	n	2	1	4	n	7	
Mississippi Sound	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n
Caminada Headland	n	n	n	2	n	1	1	1	3	n	n	1	1	2	4	n	6	
W.Plaquemines C.Barr.	n	n	n	3	1	1	1	3	7	2	n	1	3	2	6	1	8	
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	2	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	1	1	2	n	1	2	1	2	2	2	
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	2	n
Florida Middle Grounds	n	n	n	n	n	n	1	1	n	n	n	n	n	n	1	2	n	n
Survey Block 1	n	n	n	n	1	1	2	2	3	17	n	n	1	1	5	15	n	1
Survey Block 2	n	n	n	n	1	1	1	2	5	15	n	n	2	1	6	11	n	2
Survey Block 3	n	n	n	n	2	1	2	3	11	9	n	1	4	3	8	5	n	7
Survey Block 4	n	n	n	n	7	2	3	5	8	17	2	1	3	6	7	13	2	22
Survey Block 5	n	n	n	n	17	2	5	9	12	5	n	3	6	7	8	2	n	19
Survey Block 6	n	n	2	26	3	4	15	2	n	n	4	7	7	1	n	n	n	13
Survey Block 7	n	n	6	22	4	6	16	n	n	n	7	11	9	n	n	n	n	12
Fla. Keys NMS	n	n	n	n	5	10	15	28	27	26	20	25	30	37	27	14	36	n
Flower Garden NMS	7	9	3	n	6	4	n	n	n	n	4	4	n	n	n	n	n	n
Tex. Coastal Waters	25	7	5	2	7	4	1	n	n	n	4	3	1	n	n	n	n	n
La. Coastal Waters	n	1	8	22	5	8	17	9	13	4	5	11	16	7	10	3	n	31
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n
Ale. Coastal Waters	n	n	n	n	n	n	n	n	n	2	n	n	n	n	1	4	n	n
Fla. Coastal Waters	n	n	n	n	3	4	7	16	18	20	13	18	21	24	13	16	44	n
Florida Bay Seagrass	n	n	n	n	1	2	3	9	7	9	7	10	8	10	5	1	12	n
Dry Tortugas	n	n	n	n	1	3	4	6	6	4	4	6	8	11	11	8	5	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
Land	7	11	33	46	2	n	n	n	n	n	n	22	16	18	n	n	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	15	14	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	16	1	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timballer Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	2	10	n	n	n	n	n	n
Tex. Coastal Waters	16	21	57	74	7	n	n	n	n	n	n	48	45	47	1	1	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	
Land	n	n	n	n	28	21	n	n	n	n	18	18	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	2	29	1	3	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	11	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	26	n	1	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	29	n	9	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	12	67	n	50	n	4	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	6	34	22	46	3	8	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	42	43	1	1	n	n	n	53	58	2	6	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75	
Land	24	28	25	6	n	2	2	n	n	n	n	n	n	n	n	n	n	38	14	25	20	1	2	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	29	2	9	n	1	n	n	n	n
Timbalier Bay	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	44	5	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	33	2	n	n	n	n	n	n	n
Caminada Headland	12	3	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	40	50	1	2	n	7	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	41	8	1	n	n	n	n	n	n	n	n	n	n	n	n	15	16	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	37	71	16	1	3	9	n	n	n	n	n	n	n	n	n	n	3	1	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	34	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	44	n
Survey Block 2	n	2	n	22	31	n	34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n
Survey Block 3	n	7	n	17	3	29	51	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	10	n	2	n	60	17	40	4	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	5	n	53	n	19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	5	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	51	59	59	15	1	8	5	n	n	n	n	n	n	n	n	n	n	9	13	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	33	3	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	36	3	27	n	2	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	46	66	4	8	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	12	26	20	1	3	6	n	n	n	10	n	n	n	5	n	n	n	11	n	n	n	4	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Char/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	26	95	n	1	74	n	n	39	**	n	n	13	99	n	n	4	21	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	24	2	n	n	13	5	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	53	68	69	12	14	35	n	n	9	71	n	n	2	46	n	n	2	52	n	n	1	34	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125	
Land	n	5	n	n	n	n	n	10	n	n	n	n	n	1	4	n	n	n	n	n	n	2	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	11	47	19	n	n	n	n	1	2	42	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	30	n	n	n	n	6	61	n	n	n	n	n	14	67	n	n	n	n	n	n	23	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	9	44	19	n	n	n	1	n	19	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%.
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Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																		
	E126E127E128E129E130E131E132E133E134E135E136E137E138E139E140E141E142E143E144E145																		
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timballer Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	27	1	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	84	1	n	2	n	1	15	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	70	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Land	35	11	13	8	9	14	n	n	n	9	24	19	23	37	77	26	2	9
Galveston Bay	n	1	18	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamoulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	49	3	3	n	14
Timbalier Bay	n	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	6	15	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	2	16	63	32	1	1
Caminada Headland	n	n	n	n	n	n	n	1	n	4	7	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	20	53	4	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	7	32	6	5	19	2	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	1	94	15	1	1	2	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	31	25
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	3	1
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	1	3	2	11	1	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	5	93	6	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	3	36	2	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	1	3	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	49	23	25	14	11	1	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	16	18	n	2	n	25	56	33	35	4	3	12	1	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	2	16	**	38	1	1
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	1	52	7	8	n	15
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
Land	n	n	n	12	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	7	n				
Galveston Bay	n	n	n	14	n	n	n	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n				
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n				
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n				
Caminade Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
W.Plaquemes C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	4	n	n				
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n				
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n				
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	23	23				
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	10	3				
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	66	n	33	58	n	n				
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	16	16	n	1	28	n	n	1	10	n	1	1	n	n				
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	61	36	n	2	30	n	n	n	n	n	n	n	n	n				
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	6	49	13	n	n	3	n	n	n	n	n	n	n	n	n				
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Flower Garden NMS	n	n	n	n	n	n	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tex. Coastal Waters	n	n	n	17	n	n	n	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	4	1	n				
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n				
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n				
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
Land	27	n	n	78	2	n	n	5	94	77	18	80	54	1	49	2	n	n	n	n	n	8	1	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	61	3	n	n	n	n	n	5	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	15	28	7	10	3	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	21	3	n	n	n	n	n	n
Tex. Coastal Waters	55	2	n	94	7	n	n	17	**	98	42	97	79	11	80	13	n	n	n	n	n	29	6	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1N	2N	1N	2N	3N	4N
Land	n	n	n	n	n	68	14	61	19	n	40	27	49	22	n	n	n	n	n	29	2	52	4	n	n
Galveston Bay	n	n	n	n	n	13	16	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	1	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	98	43	44	3	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	1	n	71	26	n	65	49	83	30	n	n	n	n	n	74	13	94	19	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
Land	n	n	7	n	5	n	n	n	51	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	1	n	n	n	61	10	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chen/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	16	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	81	43	n	n	n	n	1	1
Survey Block 6	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	14	52	4	1	n	n	n	1	61	39
Survey Block 7	n	n	n	n	n	19	**	n	n	n	n	n	n	n	n	n	3	4	n	n	n	n	3	84	31	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	26	n	13	n	n	n	51	22	2	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V	
Land	n	n	n	13	1	22	n	5	n	34	3	14	n	n	n	n	61	28	13	2	15	42	3	55	21	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	43	2	27	1	17	3	13	10	1	n	n	n	n	3	5	2	1	26	1	4	n	7	
Barataria Bay	n	n	n	n	n	1	n	n	n	10	3	22	n	n	n	n	90	51	28	2	4	81	6	95	40	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	9	n	55	1	2	1	79	12	12	n	n	n	n	59	34	12	1	46	11	4	9	24	
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	1	1	5	n	n	n	n	1	15	24	11	1	73	5	86	14	
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	1	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	35	10	n	n	n	n	n	n	4	89	n	n	n	n
Survey Block 5	n	n	n	n	n	n	1	n	n	n	n	8	3	n	n	n	n	n	n	n	2	n	n	1	n	n
Survey Block 6	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	59	5	65	4	30	7	67	18	28	n	n	n	n	94	56	41	12	53	79	14	80	47	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																										
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC		
Land	35	67	23	45	12	2	n	59	23	7	2	1	1	n	n	12	1	39	46	7	70	22	12	5	4		
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	23	1	n	n
Timbalier Bay	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Barataria Bay	29	1	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	64	8	n	n	n	
Caminada Headland	10	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Plaquemines C. Barr.	92	98	61	7	15	7	n	n	2	1	n	1	n	n	n	10	n	n	n	n	n	n	n	n	n	n	
Chan/Bret Coast. Barr.	n	n	n	1	n	n	n	n	7	8	2	1	n	n	n	n	1	2	34	14	8	7	2	n	n	n	
E. Deltaic Plain Marsh.	1	15	12	**	49	10	n	**	99	21	6	4	1	n	n	45	4	**	96	13	2	n	n	n	n		
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
C. Winter Menhaden	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	4	75	13	n	n	1	n	n	n	n	n	n	n	n	
Survey Block 2	n	n	n	1	8	22	n	n	n	5	29	99	86	12	n	6	12	n	n	n	n	n	n	n	n	n	
Survey Block 3	n	5	7	2	65	73	4	n	n	3	9	18	14	2	n	51	3	n	n	n	n	n	n	n	n	n	
Survey Block 4	1	4	29	n	8	17	2	n	n	1	1	1	n	n	n	8	n	n	n	n	n	n	n	n	n	n	
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
La. Coastal Waters	95	95	58	89	23	6	n	82	35	12	4	2	1	n	19	2	80	64	13	4	2	n	n	n	n		
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	93	9	n	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	35	6	n	n	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	43	38	18	n	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
Land	n	5	n	2	n
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	n	3	n	n	n
Timbalier Bay	n	n	n	n	n
Barataria Bay	n	n	n	n	n
Mississippi Sound	n	n	n	n	n
Caminada Headland	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n
Survey Block 1	n	n	16	n	n
Survey Block 2	n	n	n	n	n
Survey Block 3	n	n	n	n	n
Survey Block 4	n	n	n	n	n
Survey Block 5	n	n	n	n	n
Survey Block 6	n	n	n	n	n
Survey Block 7	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n
Ala. Coastal Waters	n	6	n	n	n
Fla. Coastal Waters	n	16	n	14	1
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

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Table B-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																		
	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11	I12	I13	I14	I15	I16	I17	I18	
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	2	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	4
Survey Block 4	n	n	n	n	n	n	n	n	n	9	n	n	n	n	n	7	n	n	13
Survey Block 5	n	n	n	5	n	n	n	2	2	n	n	n	n	2	n	n	n	n	12
Survey Block 6	n	n	n	13	n	n	n	1	n	n	n	n	n	1	n	n	n	n	4
Survey Block 7	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	4	8	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n

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Table B-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
Land	30	59	89	92	51	25	12	3	5	1	n	79	65	69	24	28	8	4	1	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	3	26	30	4	14	3	n	n	n	n	n	n	n
Aransas Refuge	n	n	1	19	9	2	4	1	n	n	n	13	4	n	5	1	1	1	n	n	n	n	n	n	n
Tamaulipas, Mexico	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemes C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	5	25	4	4	10	5	n
Tex. Coastal Waters	35	68	93	97	62	33	16	6	7	1	1	87	80	81	37	39	12	6	1	n	1	n	n	n	
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	13	n	4	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
Land	n	n	n	n	68	58	18	13	2	1	48	46	14	13	1	2	1	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	6	1	6	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	3	36	2	10	n	1	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	15	n	1	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	1	30	n	3	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	1	n	n	2	3	3	2	1	2	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	7	n	4	n	2	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	11	35	n	20	n	7	n	1	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	1	n	7	n	7	n	20	70	n	61	n	28	n	7	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	1	12	42	24	65	13	46	5	16	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	1	n	n	n	n	n	n	n	3	2	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	24	7	19	4	6	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	66	72	12	19	n	2	75	77	25	25	3	6	2	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75	
Land	55	52	57	33	18	17	18	3	4	n	n	n	n	n	n	n	n	75	52	66	69	27	25	7	2	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	33	11	18	1	10	1	2	1	
Timbalier Bay	10	4	n	1	n	8	3	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Barataria Bay	52	16	n	1	n	9	5	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mississippi Sound	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	42	13	4	1	4	n	1	n	
Caminada Headland	20	9	n	1	n	9	4	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Plaquemines C. Barr.	49	53	1	9	5	15	20	2	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	
Chan/Bret Coast. Barr.	n	3	54	22	11	n	1	n	n	n	n	n	n	n	n	n	n	29	35	7	1	4	1	4	n	
E. Deltaic Plain Marsh.	n	38	76	34	16	4	23	n	3	n	n	n	n	n	n	n	n	8	11	3	n	4	n	5	n	
W. Winter Menhaden	3	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
C. Winter Menhaden	1	1	n	2	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	3	38	n	10	n	1	n	n	n	n	n	n	n	n	n	1	n	n	6	4	56	9	
Survey Block 2	n	4	1	26	39	1	46	n	11	n	n	n	n	n	n	n	n	n	n	n	n	3	1	21	3	
Survey Block 3	n	12	n	23	16	30	78	4	27	n	3	n	n	n	n	n	n	n	n	1	n	2	n	8	n	
Survey Block 4	2	12	n	9	6	63	42	56	27	24	13	3	2	1	n	n	n	n	n	n	n	n	n	2	n	
Survey Block 5	n	1	n	n	1	9	4	62	9	45	7	17	3	3	1	1	n	n	n	n	n	n	n	n	n	
Survey Block 6	n	n	n	n	n	3	2	15	3	24	2	17	1	6	n	1	n	n	n	n	n	n	n	n	n	
Survey Block 7	n	n	n	n	n	2	n	6	n	12	1	8	n	3	n	n	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	4	16	n	n	n	n	n	n	n	
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
La. Coastal Waters	74	73	74	43	22	30	28	8	6	1	1	n	n	n	n	n	n	22	34	8	n	5	1	6	1	
Miss. Coastal Waters	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	43	12	5	1	4	1	1	n	
Ala. Coastal Waters	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	44	15	42	5	19	2	2	2	
Fla. Coastal Waters	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	2	4	58	87	24	40	1	3	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	6	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table 8-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	51	65	79	10	25	55	n	4	21	52	n	n	6	28	n	n	3	23	n	n	3	18	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	29	96	n	11	82	n	6	64	**	n	1	36	99	n	n	18	41	n	n	6	15	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	5	27	4	1	3	23	19	5	n	2	12	5	n	n	3	2	n	n	n
Survey Block 1	n	n	n	n	n	n	2	n	n	n	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	76	90	95	26	52	82	1	14	45	89	n	1	20	69	n	n	9	61	n	n	6	46	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125
Land	3	17	n	n	n	n	7	27	n	n	n	n	2	11	23	2	7	2	n	n	4	12	5	17	14
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	1	6	n	n	n	2	14	46	24	n	n	n	54	76	91	80	13	n	1	54	49	79
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	8	46	n	n	n	1	17	71	n	n	n	n	5	32	77	9	18	4	1	2	14	46	27	46	30
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	14	4	n	n	n	20	19	27	23
Dry Tortugas	n	n	n	1	5	n	n	n	1	9	38	22	n	n	n	19	21	68	75	12	n	n	2	n	20

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Table B-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																				
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145	
Land	2	n	2	4	5	26	33	4	n	1	n	n	n	n	n	n	n	n	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Barataria Bay	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	
Mississippi Sound	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	4	n	1	n	n	n	n	n	n	n	n	n	n	
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	7	n	2	n	n	n	n	n	n	n	n	n	n	
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	53	16	11	11	1	2	n	n	n	n	n	n	n	
Survey Block 2	n	n	n	n	n	n	n	35	6	13	5	1	1	n	n	n	n	n	n	n	
Survey Block 3	n	n	n	n	n	n	n	18	2	10	1	3	n	n	n	n	n	n	n	n	
Survey Block 4	n	n	n	n	n	n	n	6	1	5	1	3	n	n	n	n	n	n	n	n	
Survey Block 5	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	96	14	1	3	10	31	54	n	n	n	n	n	n	n	n	n	n	n	12	n	14
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	7	1	2	n	1	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	3	1	9	19	15	52	58	n	n	n	n	n	n	n	n	n	n	n	n	n	2
Florida Bay Seagrass	3	n	n	5	5	19	29	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Dry Tortugas	78	13	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	6	n	4

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Land	84	42	41	29	41	40	2	8	1	27	54	46	57	75	96	69	23	34
Galveston Bay	n	5	23	22	11	8	1	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	1	5	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	2	52	4	9	4	21	
Timbalier Bay	n	n	n	n	n	n	n	6	n	9	9	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	2	n	13	30	1	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	6	29	65	46	6	9
Caminada Headland	n	n	n	n	n	n	n	2	n	9	17	1	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	1	n	25	62	8	n	n	n	n	1	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	21	51	23	8	39	14	9
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	2	95	27	5	2	10	11	7
W. Winter Menhaden	n	n	n	n	n	n	n	2	n	1	2	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	1	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	35	28
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	1	6	n	n	n	13	9
Survey Block 3	n	n	n	n	n	n	n	n	n	n	2	8	n	n	n	n	5	4
Survey Block 4	n	n	n	n	n	n	n	3	19	5	14	4	n	n	n	n	3	2
Survey Block 5	n	n	n	n	n	n	n	13	94	10	2	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	13	49	7	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	4	16	3	1	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	1	1	1	n	n	3	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	87	47	49	35	37	23	3	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	2	28	35	1	16	1	38	75	56	56	20	6	31	19	11
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	7	29	**	51	7	8
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	4	59	9	17	7	25
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	1	5	8
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																													
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31				
Land	5	14	n	34	n	n	2	23	n	n	n	n	n	n	n	n	n	n	n	n	1	8	n	7	18	35	3			
Gaiveston Bay	n	n	n	17	n	n	n	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Aransas Refuge	1	4	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	n			
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	n	3	5	n	n			
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	4	12	n	n			
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n			
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	n	4	9	n	1			
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	7	19	1	2			
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	15	1			
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	6	12	4				
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n			
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	1	1	n			
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	25	54			
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	7	6	14	27			
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	10	4	28	66	6	12		
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	4	5	n	4	9	n	5	24	82	4	48	80	2	5			
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	22	21	4	16	46	2	10	21	23	1	11	7	1	n			
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	1	64	43	12	35	57	1	5	6	5	n	2	1	n	n		
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	16	56	39	9	26	28	n	1	2	3	n	1	1	n	n		
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n		
Flower Garden NMS	n	n	n	n	2	6	5	14	10	6	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Tex. Coastal Waters	8	20	1	40	n	n	4	27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
La. Coastal Waters	n	n	n	n	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	2	16	1	14	31	20	5		
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n		
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20	n		
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n		
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n		

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E	
Land	55	10	1	99	56	8	1	72	99	97	84	97	90	57	81	46	19	3	n	n	n	61	39	9	8	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	2	1	71	22	5	1	n	n	n	n	23	7	n	n
Aransas Refuge	n	n	n	n	2	3	n	n	15	28	11	11	7	16	1	3	1	n	n	n	n	4	7	2	3	
Tamaulipas, Mexico	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	19	5	1	n	n	n	
Tex. Coastal Waters	72	13	2	99	65	11	1	80	**	**	93	**	97	69	94	65	30	7	1	n	n	76	55	15	11	
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

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Table B-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
Land	3	n	n	5	24	95	72	92	53	8	80	67	84	51	4	2	n	3	n	70	40	70	31	9	n
Galveston Bay	n	n	n	n	12	17	34	6	7	5	5	2	1	n	1	1	n	1	n	n	n	n	n	n	n
Aransas Refuge	1	n	n	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	2	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	n	n	1	1	2	2	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	1	n	n	5	n	n	n	n	n	n	n	n	n	n	1	2	8	1	4	n	n	n	n	n	2
Tex. Coastal Waters	6	n	n	10	38	**	84	49	25	14	14	8	4	3	2	2	1	1	n	2	2	n	1	1	n
La. Coastal Waters	n	n	n	n	n	4	8	80	45	2	85	74	94	54	6	1	n	4	n	86	61	98	49	15	1
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
Land	n	n	43	7	24	1	n	3	76	27	14	4	n	n	n	n	6	1	n	n	n	n	3	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	1	n	3	n	n	n	63	17	5	n	n	n	n	n	5	n	n	n	n	n	n	1	n	n
Barataria Bay	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	10	3	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	1	2	3	2	n	2	1	4	3	2	n	n	n	n	2	1	n	n	n	n	n	2	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	24	33	7	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	84	67	32	10	1	n	6	8	
Survey Block 6	n	n	n	n	n	n	n	9	n	n	1	1	n	n	n	n	17	60	23	23	9	1	2	64	57	
Survey Block 7	n	n	n	n	n	20	**	n	n	n	n	n	n	1	3	1	9	12	9	9	4	n	4	88	61	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	5	n	n	n	n	n	n	1	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	2	1	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	64	10	38	3	1	5	56	48	26	7	n	n	n	n	14	2	1	n	n	n	6	1	n	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	180	190	200	1P	2P	10	20	30	40	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
Land	n	n	1	39	13	48	9	30	13	57	28	33	2	n	n	n	78	65	52	26	47	80	22	85	57
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aranas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	50	9	38	8	28	14	23	23	8	2	n	n	n	10	11	8	9	34	5	11	3	16
Barataria Bay	n	n	n	1	n	4	n	1	n	18	9	32	n	n	n	n	91	62	45	20	10	85	13	96	53
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	13	3	58	2	8	3	83	19	18	1	n	n	n	60	45	24	12	51	22	9	17	34
W. Plaquemines C. Barr.	n	n	n	1	n	2	n	n	n	9	7	18	2	n	n	n	9	32	41	25	8	79	12	89	31
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n
W. Winter Menhaden	n	n	n	3	3	3	3	4	3	2	3	1	n	n	n	n	n	1	2	1	3	2	2	1	2
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	n	1
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	2	5	1	n	n	n	n	1	8	n	n	n	n
Survey Block 4	n	n	n	n	n	n	2	n	n	n	n	37	35	7	1	n	n	n	7	89	n	1	1	n	1
Survey Block 5	3	n	n	n	n	n	8	1	2	n	2	13	22	7	1	n	n	n	1	6	n	n	3	n	n
Survey Block 6	15	2	n	2	2	1	14	3	7	n	3	3	5	2	n	n	n	n	1	1	n	5	n	n	n
Survey Block 7	32	7	n	1	2	n	4	2	5	n	1	1	1	1	n	n	n	n	1	1	n	n	2	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	13	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	1	74	28	78	20	56	28	85	48	51	4	n	n	n	97	84	71	45	73	92	36	87	79
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 8-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC	
Land	71	79	51	62	34	21	5	74	47	33	22	18	14	4	1	34	24	68	68	39	91	64	56	61	31	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	6	33	6	2	n	n
Timbalier Bay	6	2	7	n	2	3	1	n	n	1	1	n	1	1	n	2	1	n	n	n	n	n	n	n	n	n
Barataria Bay	40	6	22	2	3	5	2	n	n	n	n	n	1	n	n	3	1	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	4	68	23	2	n	n	n
Caminada Headland	19	4	14	2	4	6	2	n	n	1	1	1	1	1	n	4	1	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	93	98	68	10	23	24	6	1	5	6	7	8	11	5	1	17	4	n	1	3	n	n	n	n	n	n
Char/Bret Coast.Barr.	n	1	1	10	8	1	n	17	26	17	15	8	3	1	n	10	14	44	27	27	13	17	3	n	n	n
E.Deltaic Plain Marsh.	2	15	14	**	59	25	4	**	99	36	32	28	24	10	1	55	26	**	96	29	3	7	1	n	n	n
W. Winter Menhaden	2	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	1	1	1	1	2	2	1	n	1	1	1	3	2	1	n	2	1	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	1	1	3	n	1	3	5	10	77	28	n	1	7	n	n	3	n	n	n	n	n	n
Survey Block 2	n	3	1	4	15	32	13	1	3	12	35	99	94	39	2	14	20	n	1	2	n	n	n	n	n	n
Survey Block 3	1	7	10	6	68	88	29	1	2	8	18	38	52	29	6	54	9	n	1	1	n	n	n	n	n	n
Survey Block 4	4	6	33	1	21	52	29	n	1	3	6	13	17	13	7	17	4	n	n	1	n	n	n	n	n	n
Survey Block 5	n	n	1	n	1	4	8	n	n	1	1	1	2	1	2	1	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	1	n	1	1	1	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	1	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	97	97	73	93	48	33	9	89	60	42	32	27	20	9	2	46	29	89	79	43	8	15	3	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	2	n	n	4	94	22	2	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	3	11	50	19	3	1	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	18	70	81	52	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
Land	2	41	14	37	5
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	n	14	4	1	1
Timballer Bay	n	n	n	n	n
Barataria Bay	n	n	n	n	n
Mississippi Sound	n	4	3	1	n
Caminada Headland	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n
Chan/Bret Coast. Barr.	n	5	4	n	1
E. Deltaic Plain Marsh.	n	3	3	n	n
W. Winter Menhaden	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n
Florida Middle Grounds	1	n	n	n	n
Survey Block 1	1	1	25	1	11
Survey Block 2	n	1	10	n	2
Survey Block 3	n	1	4	n	n
Survey Block 4	n	n	1	n	n
Survey Block 5	n	n	n	n	n
Survey Block 6	n	n	n	n	n
Survey Block 7	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	n	6	5	n	1
Miss. Coastal Waters	n	4	3	1	n
Ala. Coastal Waters	n	26	8	4	2
Fla. Coastal Waters	7	40	8	58	9
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

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Table B-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
Land	1	n	n	n	n	n	n	n	1	n	2	4	7	10	9	7	28	2
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timballer Bay	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	1
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ceminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
W.Plaquemes C.Barr.	n	n	n	n	n	n	n	n	2	n	n	n	n	n	1	n	n	3
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	3
W. Winter Merhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Merhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	7	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	3	n	2
Survey Block 3	n	n	n	n	n	n	n	n	1	1	n	n	n	n	3	1	n	4
Survey Block 4	n	n	n	2	n	n	n	2	12	n	n	n	n	3	9	n	n	14
Survey Block 5	n	n	n	6	n	n	n	8	5	n	n	n	n	6	2	n	n	13
Survey Block 6	n	n	n	13	n	n	n	5	1	n	n	n	2	3	1	n	n	6
Survey Block 7	n	n	n	13	n	n	1	2	n	n	n	1	5	1	n	n	n	9
Fla. Keys NMS	n	n	n	n	n	n	1	4	11	8	12	18	20	17	18	21	21	n
Flower Garden NMS	n	n	2	n	n	4	n	n	n	n	n	3	n	n	n	n	n	n
Tex. Coastal Waters	3	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	3	n	n	n	n	n	2	n	n	5
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	1	7	10	13	17	14	12	49	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	3	4	6	8	9	8	16	n	n
Dry Tortugas	n	n	n	n	n	n	1	1	4	1	1	3	4	2	1	3	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
Land	85	94	98	99	93	86	73	51	58	31	23	97	95	95	85	84	67	52	43	30	35	32	20	16	12
Galveston Bay	n	n	n	1	2	1	6	2	n	n	n	6	31	34	15	30	16	4	8	8	1	4	3	n	1
Aransas Refuge	2	1	1	20	13	7	16	12	7	10	7	14	4	1	12	4	10	15	7	5	10	10	5	3	2
Tamaulipas, Mexico	4	1	1	n	n	1	1	1	3	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	1	3	1	2	1	n	n	n	n	n	9	10	29	9	13	21	17	5	12
Tex. Coastal Waters	85	95	98	**	95	87	78	55	60	34	25	98	96	89	87	78	71	57	46	34	38	36	24	19	15
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	1	3	18	2	14	4	1	3	3	n	1	1	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
Land	10	13	4	2	95	95	81	82	65	56	88	79	77	59	57	45	35	26	24	12	11	3	3	1	1
Galveston Bay	1	n	n	1	9	6	23	12	16	11	4	4	8	7	10	6	5	4	4	2	2	n	n	1	n
Aransas Refuge	2	4	1	n	1	1	2	2	7	5	1	n	1	1	2	1	1	3	n	2	n	1	n	n	n
Tamaulipas, Mexico	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	4	39	3	15	1	5	2	n	1	n	1	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	16	n	2	n	1	2	n	1	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	1	32	n	5	n	2	2	n	1	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	9	n	1	n	1	2	n	2	n	1	n	1	n	n
Chen/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	1	n	1	2	4	3	3	2	3	3	1	1	n	1	n	1	n	1
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	1	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	3	n	2	n	1	n	1
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	1	n	2	n	8	14	n	11	n	9	n	6	n	5
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	2	1	6	n	15	38	n	25	n	16	n	12	n	10
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	4	1	10	n	24	71	1	65	1	39	2	27	1	23
Survey Block 7	1	n	n	1	n	n	n	n	n	n	2	1	7	1	14	45	24	68	14	62	15	49	12	39	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Flower Garden NMS	11	1	5	7	n	n	n	n	3	3	n	n	1	n	3	2	2	8	3	11	3	7	3	5	1
Tex. Coastal Waters	13	14	6	3	34	22	63	38	58	43	15	10	25	17	31	19	18	21	14	13	6	4	1	1	n
La. Coastal Waters	n	n	n	n	79	86	32	57	17	26	88	89	63	56	39	41	28	10	18	4	11	2	4	n	1
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75
Land	83	79	87	76	69	59	54	39	30	22	13	8	5	3	3	6	14	94	86	92	93	77	74	58	39
Galveston Bay	2	1	n	n	n	4	1	3	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	1	4	7	9	n	1	n	n	n	n	n	n	n	n	n	n	36	15	20	3	15	7	9	7
Timbalier Bay	15	8	n	2	1	16	6	8	5	4	2	1	1	n	n	n	n	n	n	n	n	1	n	1	n
Barataria Bay	54	21	n	3	3	17	14	9	8	5	3	1	1	n	n	n	n	n	n	n	n	n	n	1	1
Mississippi Sound	n	1	4	8	8	n	1	n	n	n	n	n	n	n	n	n	n	44	19	6	2	11	3	9	3
Caminada Headland	24	13	1	3	3	15	11	8	7	3	4	n	2	n	n	n	n	n	n	n	n	1	1	1	1
W. Plaquemines C. Barr.	51	57	2	11	9	23	33	9	18	6	5	3	1	1	n	n	n	n	1	1	1	2	2	7	4
Chan/Bret Coast. Barr.	n	6	61	34	24	1	6	n	2	n	n	n	n	n	n	n	n	32	42	9	5	13	7	20	7
E. Deltaic Plain Marsh.	n	39	77	40	30	6	36	2	16	2	5	2	1	1	n	n	n	10	16	7	5	13	8	22	12
W. Winter Menhaden	4	3	n	2	4	3	5	4	6	3	3	1	1	1	1	1	n	n	n	n	n	n	1	3	2
C. Winter Menhaden	1	1	n	2	4	1	2	1	1	1	1	n	n	n	1	n	n	n	1	1	2	2	5	3	3
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Survey Block 1	n	2	2	5	41	1	13	2	11	2	3	1	1	n	1	n	1	1	3	2	1	11	10	60	22
Survey Block 2	n	5	2	27	41	5	53	6	29	4	8	3	1	1	n	n	1	n	2	1	1	8	7	27	14
Survey Block 3	1	13	1	25	23	32	87	12	50	10	16	5	3	3	n	n	n	n	1	1	1	5	6	18	10
Survey Block 4	3	15	n	12	11	68	61	65	54	39	37	20	16	10	3	4	n	n	n	1	1	3	3	12	6
Survey Block 5	2	2	n	1	1	12	8	65	17	54	24	39	20	22	6	9	n	n	n	n	n	n	n	2	2
Survey Block 6	3	1	n	1	1	7	4	20	9	32	13	35	13	28	4	8	n	n	n	n	n	n	n	2	1
Survey Block 7	1	1	n	n	1	5	3	11	7	19	10	23	10	21	3	5	n	n	n	n	n	n	n	2	1
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	2	1	5	5	15	23	52	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	1	n	1	1	1	1	2	1	1	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	7	3	n	1	1	9	2	7	2	7	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	87	85	81	60	43	62	57	43	37	24	17	11	7	4	1	2	n	25	42	13	7	19	11	33	15
Miss. Coastal Waters	n	1	5	7	8	n	1	n	n	n	n	n	n	n	n	n	n	44	19	6	2	10	3	9	3
Ala. Coastal Waters	n	1	7	10	16	n	2	n	1	n	n	n	n	n	n	n	n	49	25	46	8	28	11	15	11
Fla. Coastal Waters	n	2	7	12	22	n	2	n	1	n	n	n	1	1	5	9	24	6	19	65	92	47	66	20	26
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	4	13	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	1	n	3	3	8	9	13	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	86	88	95	51	69	84	26	49	73	84	18	28	60	69	9	8	38	57	5	2	23	45	5	3	7
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	3	1	n	2	n	n	1	n	n	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n
Mississippi Sound	1	n	n	1	1	n	1	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	1	n	n
Caminada Headland	n	n	n	n	n	n	1	n	n	n	2	n	n	n	2	n	n	n	n	n	n	n	1	n	n
W. Plaquemines C. Barr.	1	n	n	2	n	n	3	1	n	n	4	2	n	n	4	n	n	n	2	1	n	n	3	1	n
Chan/Bret Coast. Barr.	4	2	1	4	2	1	3	2	n	n	2	n	n	n	2	n	n	n	2	n	n	n	2	1	n
E. Deltaic Plain Marsh.	5	2	n	6	3	1	8	4	2	1	7	3	1	n	6	n	1	n	6	1	n	n	3	2	n
W. Winter Menhaden	n	n	n	n	n	n	n	1	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	1	1	n	3	1	n	3	1	n	n	4	1	1	n	3	n	n	n	1	1	n	n	1	n	n
Big Bend Seagrass	n	31	96	1	15	83	8	19	68	**	7	17	49	99	3	11	37	49	n	5	26	33	n	2	9
Florida Middle Grounds	n	n	n	3	1	n	15	29	4	2	12	29	19	8	6	6	19	12	4	3	13	15	1	2	5
Survey Block 1	5	3	2	13	6	3	15	9	4	2	15	6	5	2	17	3	3	2	18	6	1	1	12	8	1
Survey Block 2	3	2	1	9	3	2	12	7	4	1	12	6	3	2	10	2	2	2	13	3	1	1	9	5	n
Survey Block 3	3	2	n	6	3	1	10	4	2	2	12	5	2	1	11	5	2	1	11	3	1	1	10	4	1
Survey Block 4	2	1	n	5	1	1	8	3	1	1	12	3	2	1	12	4	1	1	11	4	1	n	12	4	1
Survey Block 5	n	n	n	n	1	n	2	1	n	n	4	1	n	n	6	2	1	n	7	2	1	n	6	3	n
Survey Block 6	n	n	n	n	n	n	1	n	n	n	2	n	n	n	1	1	n	n	3	1	n	n	3	1	n
Survey Block 7	n	n	n	n	n	n	1	n	n	n	2	n	n	n	1	n	n	n	1	1	n	n	2	1	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	3	6
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	7	2	1	8	3	2	10	3	2	1	9	3	2	n	7	1	1	n	6	1	n	n	6	2	n
Miss. Coastal Waters	1	n	n	1	1	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	1	n	n
Ala. Coastal Waters	5	1	1	5	1	n	3	2	n	1	n	1	n	n	2	n	n	n	1	n	n	n	n	n	n
Fla. Coastal Waters	88	98	99	57	77	93	26	56	80	95	12	34	69	85	4	13	51	77	1	5	31	68	n	2	11
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	3	5

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 8-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125	
Land	19	36	3	2	2	8	23	41	4	4	6	6	13	26	40	17	24	11	8	8	18	31	42	49	32	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Arensas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	2	1	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	2	3	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	22	25	n	1	2	11	20	15	n	n	1	3	12	14	8	1	2	2	1	8	11	6	n	n	1	
Florida Middle Grounds	8	10	n	n	1	5	10	7	1	n	n	1	6	6	4	1	n	1	n	4	6	4	n	n	1	
Survey Block 1	n	n	7	9	2	n	n	n	5	5	1	n	n	n	n	2	n	n	n	n	n	n	n	n	n	
Survey Block 2	n	n	5	6	1	n	n	n	4	4	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	
Survey Block 3	n	n	4	5	n	n	n	n	3	3	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	
Survey Block 4	n	n	4	3	1	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 5	n	n	1	1	1	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 6	n	n	1	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	1	n	1	8	28	11	n	n	2	20	59	50	8	1	1	58	78	92	90	29	3	3	56	51	79	
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
La. Coastal Waters	n	n	3	2	n	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Coastal Waters	30	61	1	2	4	13	36	76	3	5	11	8	20	47	82	26	37	19	12	15	31	60	62	69	50	
Florida Bay Seagrass	n	n	n	n	2	1	n	n	n	1	2	2	1	n	n	11	19	8	4	2	1	21	28	32	25	
Dry Tortugas	n	n	n	6	23	7	n	n	1	13	47	42	5	n	n	22	22	69	84	24	1	1	3	n	21	

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
Land	8	10	16	22	35	49	48	43	34	22	21	10	12	3	6	3	3	6	3	9
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	4	5	1	2	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	3	1	4	2	1	1	n	1	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	2	1	4	1	2	1	1	2	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	3	5	n	3	n	1	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	4	2	4	3	2	1	1	2	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	11	6	14	7	6	6	2	4	n	1	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	16	12	4	10	1	3	n	1	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	27	16	19	17	5	12	1	4	n	2	1	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	4	2	5	3	3	2	1	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	5	6	4	6	2	3	1	1	n	n	n	n	n
Big Bend Seagrass	2	5	8	6	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	2	5	4	n	n	n	n	2	n	2	n	1	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	64	28	26	36	5	23	n	6	n	1	1	1	3
Survey Block 2	n	n	n	n	n	n	n	46	18	36	24	8	22	2	7	n	2	1	n	1
Survey Block 3	n	n	n	n	n	n	n	31	15	40	21	17	21	4	9	1	2	1	1	2
Survey Block 4	n	n	n	n	n	n	n	21	12	37	20	30	23	9	12	3	5	n	1	1
Survey Block 5	n	n	n	n	n	n	n	5	4	13	10	18	10	7	7	3	3	n	1	n
Survey Block 6	n	n	n	n	n	n	n	3	2	8	6	11	6	7	4	1	1	n	n	n
Survey Block 7	n	n	n	n	n	n	n	3	2	5	5	7	4	5	4	1	1	n	n	n
Fla. Keys NMS	97	33	6	6	17	31	54	n	n	n	n	2	n	3	1	5	4	24	3	20
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	39	24	27	25	12	15	4	7	n	2	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	4	4	n	3	n	1	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	7	8	1	3	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	16	15	27	40	47	67	69	7	10	2	3	n	1	1	1	4	3	9	3	12
Florida Bay Seagrass	6	2	2	5	10	20	30	n	n	n	n	n	n	n	n	1	n	4	1	6
Dry Tortugas	80	27	3	2	n	n	2	n	n	n	n	1	n	3	1	2	2	9	1	7

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Land	98	84	86	76	86	86	61	48	32	62	81	78	88	94	**	92	73	77
Galveston Bay	n	13	32	37	21	18	16	6	3	5	2	n	n	n	n	n	n	n
Aransas Refuge	2	11	8	5	2	1	6	1	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	5	7	55	4	14	13	27
Timbalier Bay	n	n	n	n	n	n	n	12	6	15	13	2	n	n	n	n	1	1
Barataria Bay	n	n	n	n	n	n	n	3	4	15	34	1	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	6	13	32	65	50	14	15
Caminada Headland	n	n	n	n	n	n	n	4	4	10	21	2	n	n	n	n	1	1
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	3	4	26	65	9	1	n	n	n	3	2
Chan/Bret. Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	32	58	26	9	43	28	21
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	2	95	30	7	2	12	23	18
W. Winter Menhaden	n	n	n	n	n	n	n	4	3	3	4	3	n	n	n	n	2	1
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	2	2
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	4	2	1	n	1	38	31
Survey Block 2	n	n	n	n	n	n	n	n	1	n	2	8	1	n	n	n	16	13
Survey Block 3	n	n	n	n	n	n	n	1	4	1	3	9	n	n	n	n	10	9
Survey Block 4	n	n	n	n	n	n	n	8	27	7	14	5	n	n	n	n	6	6
Survey Block 5	n	n	n	n	n	n	n	18	95	13	3	n	n	n	n	n	2	1
Survey Block 6	n	n	n	n	n	n	n	18	56	10	2	n	n	n	n	n	1	1
Survey Block 7	n	n	n	n	n	n	n	9	19	5	1	n	n	n	n	n	1	1
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	1	1	2	1	n	4	1	1	1	n	n	n	n	n	n	n	n
Tex. Coastal Waters	98	86	86	75	65	51	53	14	12	11	6	1	n	n	n	n	n	n
La. Coastal Waters	n	2	3	10	40	49	17	47	31	62	87	69	64	23	7	34	39	29
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	6	13	31	**	55	14	14
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	9	13	63	10	23	20	33
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	7	10	7	1	7	22	22
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
Land	50	76	22	75	15	35	48	63	28	35	23	7	28	15	3	10	21	4	8	18	46	9	40	57	79	44					
Galveston Bay	n	1	n	24	1	3	4	23	4	10	6	1	3	3	n	2	4	n	n	1	2	n	1	2	n	n					
Aransas Refuge	12	15	7	9	3	10	15	6	7	5	4	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n					
Tamaulipas, Mexico	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	5					
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	3	2	1	2	3	n	2	4	12	2	8	10	n	2					
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	2	3	n	1	4	17	3	14	25	1	2					
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4					
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	2	2	n	2	5	13	3	13	17	1	4					
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	2	3	n	2	8	19	6	19	32	3	10					
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	2	25	17					
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	4	4	4	11	12	22	28					
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	2	2	2	2	3	1	2	5	6	2	5	5	2	5					
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	2	2	2	2	5					
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	3	3	8	4	27	66				
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	3	n	1	8	8	7	21	14	17	40				
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	2	2	4	4	5	1	5	17	19	18	44	70	9	23					
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	11	12	13	16	21	7	27	47	89	30	68	88	5	16					
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	26	25	22	30	52	15	33	35	28	19	15	12	1	5					
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	1	66	48	44	55	64	12	19	15	10	10	8	4	1	3				
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	20	59	53	41	46	36	9	13	11	6	7	6	3	1	3				
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	1	1	n	2	n	n	n					
Flower Garden NMS	2	n	3	1	10	16	12	16	24	11	15	7	3	3	1	1	2	n	1	1	1	n	1	n	n	n					
Tex. Coastal Waters	54	79	24	75	18	38	52	66	32	38	25	7	15	8	1	4	10	n	1	3	5	n	3	4	n	n					
La. Coastal Waters	n	n	n	2	n	n	n	2	1	4	3	4	22	13	5	11	20	3	11	25	51	12	44	62	36	38					
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	4					
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	33	9				
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	1	17	10				
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n				
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	1	1	n	1	n	n	n	n					

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
Land	93	72	33	**	95	67	36	97	**	**	99	**	98	95	97	93	84	56	38	20	6	96	91	70	70
Galveston Bay	n	n	n	n	1	1	1	n	n	n	n	1	4	4	72	34	21	13	7	1	n	29	19	10	6
Aransas Refuge	1	4	7	n	4	14	12	1	15	28	12	11	8	19	1	5	8	8	10	5	2	5	11	12	14
Tamaulipas, Mexico	3	4	3	n	1	1	1	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	2	n	n	1	4	n	n	n	n	n	n	n	n	n	n	26	27	14	9	n	n	2	1
Tex. Coastal Waters	95	72	35	**	96	69	39	97	**	**	99	**	99	97	97	92	85	62	42	23	8	94	92	77	73
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	7	4	4	1	n	n	4	2	2	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
Land	51	24	12	61	87	99	96	98	89	73	99	95	98	91	75	68	39	73	50	94	91	92	84	75	37
Galveston Bay	3	n	n	9	28	17	37	6	13	24	6	5	4	6	14	15	9	13	10	4	7	4	6	10	8
Arensas Refuge	15	7	3	13	5	n	2	n	1	5	n	n	n	1	3	5	5	3	5	1	1	n	1	3	3
Tamaulipas, Mexico	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	4	3	1	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	n	n	1	2	2	2	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	7	5	1	8	n	n	n	n	n	n	n	n	n	n	1	2	15	1	5	n	n	n	n	1	6
Tex. Coastal Waters	53	26	14	65	86	**	91	50	45	67	19	20	12	18	43	53	39	41	42	11	19	9	18	28	31
La. Coastal Waters	n	n	n	2	6	5	14	82	61	17	91	86	96	74	45	24	6	44	18	91	82	99	77	59	15
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 8-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
Land	18	5	88	76	75	51	31	69	92	79	72	69	39	18	8	1	54	34	27	13	5	4	60	33	20
Galveston Bay	3	1	5	9	7	8	8	10	2	6	8	10	8	3	1	n	5	3	2	1	1	n	8	7	4
Aransas Refuge	5	2	1	4	1	1	1	3	n	1	2	3	2	3	1	n	2	n	n	n	n	n	2	2	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	2	1	6	1	n	1	64	21	9	2	n	n	n	n	9	7	4	1	1	n	3	2	2
Barataria Bay	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	4	7	3	1	n	n	1	1
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	1	n	n	n	10	5	2	1	n	n	n	n	2	4	5	2	1	n	n	n	1
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	5	8	4	2	1	n	1	1
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	1	n	n	n	n
W. Winter Menhaden	n	n	1	2	3	2	1	2	2	4	3	3	1	n	n	n	3	3	3	3	1	1	3	2	2
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	1	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	7	6	4	1	n
Survey Block 4	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	2	30	43	26	14	6	n	7	10
Survey Block 5	n	n	n	n	n	n	3	n	n	1	1	n	n	n	n	n	5	86	73	46	33	12	1	12	17
Survey Block 6	n	n	n	n	2	1	11	n	2	3	1	n	n	n	n	n	18	64	32	36	34	12	3	65	62
Survey Block 7	n	1	n	n	2	21	**	n	2	2	1	n	n	1	7	9	11	17	14	21	23	9	5	89	71
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	11	n	n
Flower Garden NMS	17	10	n	n	n	2	4	2	n	n	1	1	5	10	10	6	n	2	2	2	1	n	2	3	3
Tex. Coastal Waters	23	7	17	35	19	27	20	32	5	19	24	30	30	18	9	2	21	12	7	4	1	n	26	20	11
La. Coastal Waters	1	n	84	52	69	40	21	50	58	75	63	50	18	5	3	n	47	33	28	15	9	4	46	26	17
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
Land	5	1	57	76	65	80	52	71	60	85	67	68	26	8	3	9	93	87	81	65	78	93	62	95	85
Galveston Bay	1	n	12	4	7	3	6	5	6	1	4	3	1	n	n	n	n	1	2	3	3	1	4	n	1
Aransas Refuge	n	n	3	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	1	n	n	52	15	42	13	32	18	28	30	14	6	2	1	n	12	15	13	15	38	6	17	4	21
Barataria Bay	n	n	n	2	n	7	1	2	1	21	11	39	5	1	n	n	92	65	47	30	14	85	16	96	56
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	1	n	n	14	4	58	3	10	4	84	21	24	5	2	n	n	61	48	29	20	53	25	10	18	39
W. Plaquemines C. Barr.	1	n	n	2	n	4	1	1	1	13	9	24	11	2	n	n	11	36	44	34	11	80	14	90	34
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	1	7	2	n	n	n	n	1	3	n	n	n	n
W. Winter Menhaden	2	1	1	4	4	4	3	4	4	3	5	4	5	2	1	n	1	3	4	5	4	2	4	2	3
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n	n	1	1	n	n	1	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	4	1	n	1	n	n	n	1	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	1	12	2	n	1	n	n	n	4	n	n	n	n
Survey Block 3	1	n	n	n	n	n	n	n	n	n	n	n	4	24	7	n	1	n	n	2	11	n	n	n	n
Survey Block 4	7	3	n	1	1	n	7	1	2	1	2	39	55	28	6	1	n	1	8	89	1	1	4	n	1
Survey Block 5	14	8	n	2	2	2	12	3	4	2	6	15	30	27	11	2	1	2	4	9	1	1	8	1	2
Survey Block 6	35	27	n	5	4	4	16	6	10	4	7	7	12	15	7	1	2	2	3	4	3	1	9	n	3
Survey Block 7	59	52	n	3	3	2	9	4	8	3	3	3	8	12	5	n	1	1	1	1	3	n	5	n	2
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	1	1	8	37	n	n	n	n	n	n	n	n	n
Flower Garden NMS	3	2	3	n	n	n	1	n	n	n	n	n	1	1	n	n	n	n	n	1	n	n	1	n	n
Tex. Coastal Waters	2	n	42	12	20	10	15	15	16	4	11	9	3	n	n	n	1	3	7	7	9	3	11	2	5
La. Coastal Waters	7	1	27	84	61	88	50	72	56	94	70	74	29	11	2	n	99	92	85	69	86	95	63	88	90
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	15	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	6	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	15	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
Land	89	89	76	85	70	56	34	93	81	73	71	63	58	36	10	69	72	91	90	79	99	94	89	90	75
Galveston Bay	1	n	2	n	1	1	1	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	1	n	3	4	1	1	2	5	6	8	6	4	1	n	4	10	4	3	8	7	36	8	4	2
Timballer Bay	8	4	10	1	6	7	6	n	1	1	2	2	3	5	3	4	1	n	n	n	n	n	n	n	n
Barataria Bay	42	8	27	2	7	15	7	n	1	1	2	4	6	5	2	5	2	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	1	4	4	1	n	4	5	6	7	5	4	2	n	5	9	4	4	12	68	26	3	2	1
Caminada Headland	21	5	18	2	8	11	9	1	1	2	3	4	4	7	4	5	3	n	1	1	n	n	n	n	n
W.Plaquemines C.Barr.	93	98	73	12	29	37	20	2	6	8	12	15	22	16	7	22	7	n	2	4	n	n	1	1	1
Chan/Bret Coast.Barr.	n	2	2	19	19	5	3	23	38	32	29	22	18	10	n	22	30	48	34	38	14	23	9	5	4
E.Deltaic Plain Marsh.	3	15	14	**	63	35	17	**	99	45	43	42	43	27	4	60	37	**	96	35	4	11	7	4	5
W. Winter Menhaden	3	n	4	2	3	5	6	n	2	2	2	4	4	3	4	3	2	n	n	1	n	n	1	n	n
C. Winter Menhaden	1	1	1	1	2	2	2	1	1	1	2	4	4	5	2	2	2	n	n	n	n	n	1	2	1
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	1	1	3	3	6	14	1	4	6	9	14	78	40	4	4	11	1	2	6	n	1	2	2	6
Survey Block 2	1	4	3	5	18	41	34	1	5	13	37	99	96	56	8	17	22	1	2	4	n	n	1	2	5
Survey Block 3	2	8	11	7	69	94	53	1	3	11	25	45	60	51	19	55	14	n	1	2	n	1	2	2	3
Survey Block 4	5	9	33	3	27	67	54	n	1	7	12	21	30	35	32	22	8	n	n	1	n	n	1	1	2
Survey Block 5	1	1	3	n	2	8	14	n	n	1	2	3	5	8	18	2	1	n	n	n	n	n	n	n	n
Survey Block 6	1	n	3	n	1	4	8	n	n	1	1	2	3	5	12	1	2	n	n	n	n	n	n	n	n
Survey Block 7	1	n	1	n	1	3	7	n	n	1	1	2	3	5	10	1	2	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	5	1	4	1	2	2	2	n	1	1	1	1	1	1	1	2	n	n	n	n	n	n	n	n	n
La. Coastal Waters	99	99	85	96	71	61	39	94	71	61	56	55	56	41	14	67	51	92	86	55	9	22	12	7	7
Miss. Coastal Waters	n	n	1	4	3	1	n	3	5	6	7	5	4	2	n	4	8	4	4	11	94	24	3	2	1
Ala. Coastal Waters	n	1	1	6	5	2	1	4	8	10	13	10	6	2	n	6	16	6	5	16	13	55	23	7	5
Fla. Coastal Waters	n	1	1	5	4	2	n	4	6	9	10	7	3	2	1	5	13	5	6	15	2	25	81	89	74
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	<u>Hypothetical Spill Location</u>				
	6AC	7AC	8AC	9AC	10AC
Land	36	82	67	84	51
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	2	17	13	5	7
Timbalier Bay	n	n	1	n	n
Barataria Bay	n	n	1	1	1
Mississippi Sound	1	8	9	2	3
Caminada Headland	1	n	2	1	1
W.Plaquemines C.Barr.	3	1	5	1	2
Chan/Bret Coast.Barr.	5	13	17	8	9
E.Deltaic Plain Marsh.	9	11	16	6	11
W. Winter Menhaden	n	1	2	n	1
C. Winter Menhaden	2	2	3	2	3
Big Bend Seagrass	4	n	n	n	n
Florida Middle Grounds	7	n	n	n	n
Survey Block 1	14	6	30	5	24
Survey Block 2	11	4	16	4	13
Survey Block 3	7	4	13	4	10
Survey Block 4	5	3	9	2	7
Survey Block 5	1	n	1	n	1
Survey Block 6	1	n	1	n	1
Survey Block 7	n	n	1	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	9	17	24	10	15
Miss. Coastal Waters	1	8	9	2	3
Ala. Coastal Waters	5	34	23	10	14
Fla. Coastal Waters	37	57	33	78	40
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table B-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
Land	27	13	7	6	12	11	11	20	27	20	26	24	22	21	22	23	34	12
Galveston Bay	n	n	1	2	n	2	1	n	n	n	2	2	1	n	n	n	n	1
Aransas Refuge	3	3	1	n	1	1	n	n	n	n	1	2	n	n	n	n	n	n
Tamaulipas, Mexico	10	7	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	2
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
Timbalier Bay	n	n	n	1	n	n	n	1	3	1	n	n	n	n	3	n	n	1
Barataria Bay	n	n	n	n	n	n	n	n	2	1	n	n	n	n	2	1	n	4
Mississippi Sound	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	n
Caminada Headland	n	n	n	n	n	n	n	1	2	1	n	n	n	1	3	n	n	1
W. Plaquemines C. Barr.	n	n	n	1	n	n	n	1	3	4	n	n	n	1	3	4	n	4
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	2	n	n	n	n	n	3	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	1	6	n	n	n	n	1	1	6	n	3
W. Winter Menhaden	n	n	n	1	n	n	n	1	2	1	n	n	1	1	1	1	n	1
C. Winter Menhaden	n	n	n	n	n	n	n	n	1	1	n	n	n	n	1	2	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	12	n	n	n	1	2	21	n	n
Survey Block 2	n	n	n	n	n	n	n	1	3	10	n	n	1	n	4	16	n	2
Survey Block 3	n	n	n	2	n	n	n	2	6	9	n	n	1	2	7	12	n	5
Survey Block 4	n	n	n	3	1	1	1	7	17	8	n	1	2	8	17	10	n	17
Survey Block 5	n	n	n	7	2	1	2	15	10	4	1	1	4	12	6	4	n	14
Survey Block 6	n	n	n	14	2	3	5	12	4	1	1	3	6	6	3	1	n	11
Survey Block 7	n	n	n	19	5	6	9	7	3	1	4	5	9	3	2	1	n	14
Fla. Keys NMS	n	n	n	n	11	21	25	38	35	23	22	27	27	21	20	22	21	n
Flower Garden NMS	1	2	4	4	2	7	3	n	n	n	3	4	1	n	n	n	n	1
Tex. Coastal Waters	23	11	8	4	11	9	4	1	1	n	10	8	3	1	1	n	n	2
La. Coastal Waters	n	n	1	4	n	n	1	4	10	8	n	1	2	4	9	10	n	12
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n
Fla. Coastal Waters	n	n	n	n	3	7	12	25	25	21	23	26	27	24	18	19	50	n
Florida Bay Seagrass	n	n	n	n	2	6	8	12	13	9	8	11	10	10	11	8	16	n
Dry Tortugas	n	n	n	n	3	4	6	6	7	3	4	5	7	4	1	4	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
Land	18	21	35	44	4	n	n	n	n	n	n	27	30	31	n	1	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	11	28	n	2	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	34	3	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	4	7	n	n	n	n	n	n
Tex. Coastal Waters	28	35	53	70	9	n	n	n	n	n	n	53	58	58	4	5	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	
Land	n	n	n	n	29	25	n	n	n	n	25	36	1	4	n	1	n	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timballer Bay	n	n	n	n	n	n	n	n	n	n	2	31	n	7	n	1	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	16	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	30	n	4	n	1	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	27	2	93	n	19	29	12	65	4	7	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	26	n	43	n	17	2	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	31	n	10	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	17	71	1	47	n	1	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	2	6	15	43	25	39	1	2	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	11	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	43	44	n	2	n	n	58	67	5	12	n	2	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																										
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75		
Land	34	35	54	12	1	8	1	n	n	n	n	n	n	n	n	n	n	n	49	21	33	20	2	2	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	30	4	8	n	1	n	n	n	n
Timbalier Bay	9	2	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	46	7	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	33	5	1	n	n	n	n	n	n
Caminada Headland	37	9	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	33	51	1	3	n	10	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	2	49	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	23	21	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	38	92	30	1	7	5	n	n	n	n	n	n	n	n	n	n	n	4	5	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	90	35	n	1	n	30	1	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	1	38	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	49	1	n
Survey Block 2	n	n	n	25	43	n	33	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n	n
Survey Block 3	n	7	1	28	8	27	49	1	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	12	1	6	n	65	18	42	9	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	2	2	n	n	n	17	1	62	2	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	1	n	n	n	n	3	n	11	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	1	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	69	66	91	24	1	17	3	n	n	n	n	n	n	n	n	n	n	n	16	20	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	31	5	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	39	6	28	n	3	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	44	62	6	6	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	8	26	17	4	2	2	n	n	n	4	n	n	n	2	n	n	n	3	n	n	n	2	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Char/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	24	94	n	1	65	n	n	30	**	n	n	8	97	n	n	1	5	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	1	n	29	10	n	n	7	3	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	45	63	59	11	10	24	n	n	4	50	n	n	1	38	n	n	n	38	n	n	n	25	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35
Land	n	i	n	n	n	n	n	4	n	n	n	n	n	n	n	3	n	n	n	n	n	n	1	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	7	2	1	1	4	n	1	15	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	21	n	n	n	n	3	45	n	n	n	n	n	8	54	n	n	n	n	n	n	20	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	21	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	7	2	1	1	n	n	1	15	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tinbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	23	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	50	22	12	10	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	49	21	8	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Land	32	14	19	11	11	13	n	4	n	14	28	42	35	46	77	43	3	10
Galveston Bay	n	n	17	14	2	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	47	n	1	n	15
Timballer Bay	n	n	n	n	n	n	n	10	n	9	6	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	1	n	10	13	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	3	21	72	39	2	1
Caminada Headland	n	n	n	n	n	n	n	7	n	20	20	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	18	48	9	1	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	17	39	10	12	27	3	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	99	35	n	2	4	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	58	3	59	61	2	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	36	29
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	5
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	13	1	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	1	1	9	10	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	8	91	9	4	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	8	50	6	1	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	2	9	1	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	47	26	31	18	19	4	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	14	20	n	16	n	36	60	71	54	7	9	22	2	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	4	18	**	42	3	1
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	1	56	1	9	1	15
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
Land	n	n	n	14	n	n	n	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	7	n				
Galveston Bay	n	n	n	12	n	n	n	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n				
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	1	n				
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n				
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	1	n	n				
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	2	7	n	n				
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n				
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n				
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	8	n	5	10	n	n				
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	28	26				
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	20	2				
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	15	56	2	n				
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	68	n	38	63	n	n				
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	17	18	n	1	19	n	n	n	24	n	6	7	n	n				
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	66	34	n	n	20	n	n	n	1	n	n	n	n	n				
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	3	46	9	n	n	1	n	n	n	n	n	n	n	n	n				
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Flower Garden NMS	n	n	n	n	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tex. Coastal Waters	n	n	n	22	n	n	n	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	3	8	1	n				
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n				
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	n				
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E	
Land	54	2	n	72	3	n	n	11	91	63	19	78	58	8	64	12	n	n	n	n	n	25	5	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	56	5	n	n	n	n	n	n	1	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	51	66	17	43	18	5	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	13	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	23	1	n	n	n	n	n	n	n
Tex. Coastal Waters	70	3	n	89	11	n	n	27	**	96	34	97	83	19	88	27	1	n	n	n	n	53	17	n	n	
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
Land	n	n	n	n	n	78	31	63	20	n	36	26	49	28	n	n	n	n	n	40	11	45	8	n	n
Galveston Bay	n	n	n	n	1	39	41	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	3	4	49	74	3	n	54	5	11	56	16	63	67	6
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	2	99	59	52	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	70	30	n	64	46	79	37	n	n	n	n	n	72	28	91	27	2	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
Land	n	n	16	n	5	n	n	n	55	7	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	61	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	34	70	48	3	n	17	8	43	57	28	1	n	n	n	12	n	n	n	n	n	n	11	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	2	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	10	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	80	42	n	n	n	n	3	1
Survey Block 6	n	n	n	n	n	n	1	10	n	n	n	n	n	n	n	n	18	60	5	n	n	n	3	67	33
Survey Block 7	n	n	n	n	n	29	**	n	n	n	n	n	1	1	n	n	11	13	n	n	n	n	14	82	16
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	38	n	17	n	n	n	54	18	5	n	n	n	n	n	1	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V	
Land	n	n	n	22	1	31	3	13	3	68	28	29	n	n	n	n	89	64	29	8	40	46	16	50	53	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	40	1	44	7	12	6	19	29	5	n	n	n	n	3	9	11	1	31	8	17	5	14	
Barataria Bay	n	n	n	n	n	n	n	n	n	29	7	31	n	n	n	n	97	74	28	5	14	73	11	96	60	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	1	n	50	1	n	n	97	45	23	n	n	n	n	43	57	37	7	56	37	26	29	53	
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	1	1	10	n	n	n	n	5	22	9	14	1	51	3	75	21	
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n
W. Winter Menhaden	n	n	14	16	15	5	n	17	1	n	1	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	52	77	21	46	30	**	49	n	n	n	n	4	80	89	35	41	89	86	96	**	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	35	11	n	n	n	n	n	2	88	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	2	n	n	n	n	19	5	n	n	n	n	n	2	13	n	n	2	n	n	n
Survey Block 6	n	n	n	n	n	n	5	n	1	n	n	1	n	n	n	n	n	n	1	1	n	n	2	n	n	n
Survey Block 7	n	n	n	n	2	n	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	56	3	71	12	28	11	95	57	43	n	n	n	n	**	91	54	21	71	80	40	81	86	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC	
Land	40	70	34	66	19	1	n	82	51	14	2	2	n	n	n	20	1	75	69	14	75	33	18	6	2	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	21	n	n	n
Timbalier Bay	7	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	21	3	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	69	9	n	n	n
Caminada Headland	28	7	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	83	96	59	18	16	2	n	n	5	3	1	1	n	n	n	12	n	n	1	1	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	3	2	n	n	13	18	5	n	n	n	n	n	5	n	37	22	13	12	4	n	n	n	n
E. Deltaic Plain Marsh.	n	1	9	**	59	8	n	**	**	42	13	7	1	n	n	59	7	**	99	29	2	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	71	22	43	3	3	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	1	5	76	13	n	n	2	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	4	30	1	n	n	8	43	**	79	10	n	3	31	n	n	4	n	n	n	n	n	n
Survey Block 3	n	n	1	9	70	70	6	n	5	20	30	37	17	n	n	58	16	n	1	5	n	n	n	n	n	n
Survey Block 4	n	2	25	8	24	17	3	n	3	5	2	1	n	n	n	20	1	n	n	1	n	n	n	n	n	
Survey Block 5	2	2	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	91	92	62	97	36	3	n	97	77	27	5	2	n	n	n	36	3	99	92	25	9	4	n	n	n	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	94	9	n	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	34	4	n	n	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	42	22	14	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	<u>Hypothetical Spill Location</u>				
	6AC	7AC	8AC	9AC	10AC
Land	n	9	1	3	n
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	n	n	n	n	n
Timbalier Bay	n	n	n	n	n
Barataria Bay	n	n	n	n	n
Mississippi Sound	n	n	n	n	n
Caminada Headland	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n
Survey Block 1	n	1	26	n	n
Survey Block 2	n	n	1	n	n
Survey Block 3	n	n	n	n	n
Survey Block 4	n	n	n	n	n
Survey Block 5	n	n	n	n	n
Survey Block 6	n	n	n	n	n
Survey Block 7	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n
Ala. Coastal Waters	n	8	n	n	n
Fla. Coastal Waters	1	16	1	15	1
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																		
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118	
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	n	3
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	1	n	n	n	n	2	n	n	n	n	n	1	n	n	n	4
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	2	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	3
Survey Block 4	n	n	n	n	n	n	n	n	10	n	n	n	n	n	8	n	n	n	13
Survey Block 5	n	n	n	3	n	n	n	2	3	n	n	n	n	2	2	n	n	n	10
Survey Block 6	n	n	n	12	n	n	n	1	n	n	n	n	n	1	n	n	n	n	3
Survey Block 7	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	n	3
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																									
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25	
Land	68	74	85	89	56	32	16	5	15	2	1	79	80	80	32	39	11	3	n	n	n	n	n	n	n	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	11	43	n	17	1	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	37	21	5	7	2	1	n	n	33	19	5	11	3	1	1	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	40	6	1	n	1	1	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timballer Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14	7	19	2	3	7	1	n	1
Tex. Coastal Waters	51	81	92	94	64	39	22	8	16	2	1	86	90	93	43	58	18	4	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
Land	n	n	n	n	71	51	27	11	3	2	53	53	19	18	3	7	4	n	1	n	n	n	n	n	n
Galveston Bay	n	n	n	n	16	2	15	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	2	32	n	8	n	4	3	n	1	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	16	n	1	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	31	n	5	n	2	2	n	1	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	27	2	93	n	28	37	37	82	45	34	24	7	5	2	1	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	27	n	45	1	24	13	n	4	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	n	1	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	9	35	n	17	n	3	n	1	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	22	74	5	57	1	11	n	3	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	1	1	7	12	26	56	31	54	8	15	1	3	n	1
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	1	9	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	45	11	34	6	6	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	56	61	7	14	n	3	74	76	27	30	5	12	6	1	3	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																										
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75		
Land	58	57	93	56	24	26	16	6	4	1	n	n	n	n	n	n	n	84	67	60	48	25	13	7	2		
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	32	8	14	1	10	1	1	n	n	
Timbalier Bay	15	10	n	3	1	11	2	4	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Barataria Bay	48	10	n	1	1	6	3	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mississippi Sound	n	n	3	3	3	n	n	n	n	n	n	n	n	n	n	n	n	39	14	4	n	3	n	n	n	n	
Caminada Headland	44	16	n	4	1	13	4	5	2	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	n	
W. Plaquemines C. Barr.	34	54	2	11	7	14	11	2	2	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	3	n	
Chan/Bret Coast. Barr.	n	3	54	27	10	1	3	n	n	n	n	n	n	n	n	n	n	42	48	6	n	4	n	1	n	n	
E. Deltaic Plain Marsh.	n	39	96	60	26	7	18	n	3	n	1	n	n	n	n	n	n	18	32	3	n	4	n	8	n	n	
W. Winter Menhaden	24	12	n	1	n	13	1	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
C. Winter Menhaden	92	51	2	12	6	51	16	24	6	4	2	n	n	n	n	n	n	n	n	1	n	n	n	n	1	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	4	42	n	9	n	n	n	n	n	n	n	n	n	n	n	n	1	2	2	1	14	7	73	18
Survey Block 2	n	n	1	28	56	n	39	n	4	n	1	n	n	n	n	n	n	n	n	1	5	1	n	6	2	37	5
Survey Block 3	n	9	3	37	32	27	69	1	18	n	3	n	n	n	n	n	n	n	n	1	4	1	n	2	n	17	1
Survey Block 4	1	14	2	17	13	66	50	49	39	12	10	1	1	n	n	n	n	n	n	1	2	n	n	n	n	5	n
Survey Block 5	2	5	n	3	1	27	19	76	24	36	8	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	2	3	n	n	n	12	4	35	7	23	2	5	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	1	2	n	n	n	8	2	18	1	9	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	77	79	98	65	25	37	23	12	6	2	1	n	n	n	n	n	n	n	n	39	58	6	n	6	n	6	n
Miss. Coastal Waters	n	n	3	3	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	38	13	4	n	3	n	n	n
Ala. Coastal Waters	n	n	n	1	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	41	12	41	5	18	1	3	1
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	52	75	15	21	3	3
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	20	54	58	10	17	17	n	2	3	11	n	n	1	6	n	n	n	5	n	n	n	3	n	n	n
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	26	95	n	2	67	n	n	35	**	n	n	12	97	n	n	2	7	n	n	n	1	n	n	n
Florida Middle Grounds	n	n	n	n	1	6	1	35	34	9	n	11	17	8	n	n	3	1	n	n	n	n	n	n	n
Survey Block 1	1	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	53	82	82	20	33	45	1	5	10	58	n	n	2	42	n	n	1	40	n	n	1	26	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35
Land	n	2	n	n	n	n	1	6	1	1	1	n	1	1	6	2	7	2	1	n	n	3	1	7	13	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	1	n	n	6	7	11	7	3	2	1	12	27	43	31	11	6	10	1	10	52
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	22	n	n	n	n	4	47	1	2	1	n	n	9	56	4	15	7	2	n	1	22	1	11	27	
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	4	3	1	n	n	22	n	4	10		
Dry Tortugas	n	n	n	n	n	1	n	n	2	3	6	6	2	2	1	2	6	22	21	9	5	3	n	1	17	

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																				
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145	
Land	4	n	1	n	2	19	27	2	n	1	n	n	n	n	n	n	n	n	n	1	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	4	n	1	n	n	n	n	n	n	n	n	n	n	
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
C. Winter Menhaden	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	n	n	n	43	14	5	2	n	1	n	n	n	n	n	n	n	
Survey Block 2	n	n	n	n	n	n	n	32	4	8	1	1	n	n	n	n	n	n	n	n	
Survey Block 3	n	n	n	n	n	n	n	16	1	7	1	1	n	n	n	n	n	n	n	n	
Survey Block 4	n	n	n	n	n	n	n	8	n	6	n	1	n	n	n	n	n	n	n	n	
Survey Block 5	n	n	n	n	n	n	n	1	n	2	n	n	n	n	n	n	n	n	n	n	
Survey Block 6	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	77	38	29	26	1	13	41	n	n	n	n	n	n	n	n	n	n	n	1	n	3
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	9	2	1	2	1	29	49	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	2	n	1	3	n	7	18	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	62	33	20	10	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	1

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
Land	83	45	49	34	50	48	2	19	4	32	50	77	84	83	95	86	33	35
Galveston Bay	n	n	18	19	24	16	2	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	2	11	7	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	48	n	2	4	19
Timbalier Bay	n	n	n	n	n	n	n	15	4	15	15	3	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	1	1	11	16	1	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	2	7	30	73	45	7	7
Caminada Headland	n	n	n	n	n	n	n	10	5	23	27	4	n	n	n	n	1	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	18	50	14	2	n	n	1	3	2
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	25	61	35	22	53	19	12
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	99	61	14	10	23	20	14
W. Winter Menhaden	n	n	n	n	n	n	1	27	5	22	17	3	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	67	19	69	70	13	2	n	n	n	2	1
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	42	37
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	2	1	1	n	1	27	21
Survey Block 3	n	n	n	n	n	n	n	n	n	n	1	15	3	2	n	1	14	9
Survey Block 4	n	n	n	n	n	n	n	2	5	3	10	13	2	n	n	n	3	3
Survey Block 5	n	n	n	n	n	n	n	11	92	12	6	1	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	15	63	12	5	1	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	12	31	9	3	1	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	1	n	5	n	n	6	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	89	54	56	41	57	38	4	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	17	30	1	28	8	47	72	90	86	34	22	53	31	18
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	2	8	27	**	47	7	7
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	1	57	1	9	8	22	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
Land	6	19	n	36	n	n	1	25	n	n	n	n	2	1	n	n	1	n	n	1	8	n	8	21	38	2					
Galveston Bay	n	n	n	12	n	n	n	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Aransas Refuge	1	8	n	7	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	15	1					
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	3	1	n	n	1	n	n	n	5	n	3	7	1	n					
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	5	n	3	5	n	n					
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n					
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	2	2	n	n	1	n	n	1	5	n	4	11	1	n					
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	6	15	3	1					
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	19	1					
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	10	22	2					
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	1	n	5	2	n	n	n	n	n	7	n	3	6	n	n					
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	11	6	n	1	3	n	n	3	28	n	19	36	4	n					
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	31	48					
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	5	29	29				
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	23	60	16	14			
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	1	1	2	n	2	13	80	2	56	82	6	4				
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	21	20	3	7	33	n	2	19	49	n	27	25	n	1				
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	1	70	38	2	12	42	n	n	7	21	n	12	10	n	n				
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	8	57	24	n	6	19	n	n	1	11	n	5	7	n	n				
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Flower Garden NMS	n	n	n	1	1	4	5	10	2	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Tex. Coastal Waters	11	27	n	43	n	n	2	32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	n	n	2	n	n	2	16	n	12	32	29	2				
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n				
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	19	1				
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 8-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E	
Land	88	40	4	95	62	11	1	78	**	96	80	98	93	61	93	64	30	4	n	n	n	80	54	12	7	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	56	6	3	1	n	n	n	n	1	n	n	n
Aransas Refuge	n	n	n	n	5	5	n	n	51	67	22	45	33	33	9	11	4	1	n	n	n	18	16	2	2	
Tamaulipas, Mexico	29	27	2	1	2	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	30	11	3	n	n	n	1	n	n
Tex. Coastal Waters	79	28	3	98	71	18	1	86	**	**	88	**	97	70	97	78	44	8	n	n	n	90	64	18	12	
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1J	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
Land	1	n	n	5	40	96	83	94	62	11	75	55	74	47	5	1	n	4	1	70	41	69	37	12	2
Galveston Bay	n	n	n	1	8	41	53	17	22	9	10	4	2	n	n	1	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	1	5	1	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	3	4	50	76	5	n	64	16	13	59	25	70	81	23
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	2	1	n	7	n	n	n	n	n	3	n	n	n	2	7	5	1	2	n	n	n	n	n	n	n
Tex. Coastal Waters	3	n	n	11	57	**	94	63	49	17	28	14	6	2	2	1	n	n	n	n	3	n	1	n	n
La. Coastal Waters	n	n	n	n	n	n	n	70	38	2	78	62	88	50	7	1	n	6	2	83	54	95	52	18	2
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
Land	n	n	47	8	32	4	1	5	68	29	21	6	2	n	n	n	9	5	2	n	n	n	6	2	1
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	62	2	n	n	n	n	n	n	2	4	1	n	n	n	1	1	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	2	1	n	n	n	1	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	40	77	66	29	3	46	28	68	76	56	20	2	n	n	39	4	n	n	n	n	39	5	n
C. Winter Menhaden	n	n	n	n	n	1	3	n	n	n	n	n	n	n	n	n	8	19	8	1	n	n	2	8	2
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	9	17	3	n	n	n	1	n
Survey Block 5	n	n	n	n	n	1	5	n	n	n	n	n	n	n	n	n	5	81	58	14	2	n	2	11	6
Survey Block 6	n	n	n	n	n	7	19	2	n	n	n	1	1	2	n	n	21	74	32	9	1	n	7	71	42
Survey Block 7	n	n	n	n	1	36	**	7	n	1	1	4	6	9	1	n	19	35	13	2	n	n	21	86	35
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	2	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	64	12	43	7	2	7	58	44	29	9	2	n	n	n	17	9	3	n	n	n	10	3	1
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	18Q	19Q	20Q	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
Land	n	n	1	42	16	50	15	33	15	81	48	46	2	n	n	n	95	84	52	31	57	73	35	76	74
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	40	1	45	10	12	7	19	31	10	n	n	n	n	4	11	18	12	32	14	21	10	17
Barataria Bay	n	n	n	n	n	n	1	n	n	29	7	33	1	n	n	n	97	74	29	11	14	73	11	96	60
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	1	n	50	2	n	n	97	45	28	2	n	n	n	44	60	41	18	56	43	29	38	57
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	1	1	12	1	n	n	n	5	23	12	17	1	53	3	76	22
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n
W. Winter Menhaden	n	n	32	48	59	38	37	55	51	14	36	13	n	n	n	n	3	11	23	14	34	15	31	12	17
C. Winter Menhaden	n	n	n	n	n	52	80	21	47	30	**	60	6	1	n	n	5	80	93	61	41	90	89	96	**
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	1	3	1	n	n	n	n	n	4	n	n	n	n
Survey Block 4	n	n	n	n	n	n	1	n	n	n	n	36	31	5	n	n	n	n	3	88	n	n	1	n	n
Survey Block 5	1	n	n	n	1	n	5	n	1	n	n	24	30	4	n	n	n	n	3	18	n	1	4	n	n
Survey Block 6	6	1	n	1	2	1	10	n	4	n	1	11	12	1	n	n	n	n	3	9	1	1	6	1	1
Survey Block 7	7	1	1	2	5	1	9	2	5	n	1	7	3	n	n	n	n	n	2	7	1	n	5	1	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	3	68	25	79	28	52	29	97	69	56	3	n	n	n	**	96	67	45	79	87	53	86	91
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC	
Land	60	81	56	83	51	20	4	98	85	57	41	26	12	2	n	55	37	98	94	67	95	71	46	25	11	
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	1	n	n	1	1	27	6	n	n	
Timballer Bay	14	6	10	3	6	3	1	n	1	4	1	2	1	n	n	5	1	n	n	1	n	n	n	n	n	
Barataria Bay	23	5	11	2	4	2	1	n	1	2	1	3	1	n	n	2	1	n	1	1	n	n	n	n	n	
Mississippi Sound	n	n	n	1	n	n	n	1	2	2	3	2	n	n	n	n	4	1	1	4	70	19	2	n	n	
Camfada Headland	32	11	22	5	8	6	1	n	3	5	3	4	3	n	n	6	3	n	1	2	n	n	n	n	n	
W. Plaquemines C. Barr.	83	96	61	19	25	12	3	1	8	14	14	16	8	2	n	22	9	n	2	8	n	n	n	n	n	
Chan/Bret Coast. Barr.	n	n	n	6	11	3	n	15	28	22	13	6	3	n	n	16	15	39	27	35	21	23	1	n	n	
E. Deltaic Plain Marsh.	n	1	9	**	70	21	4	**	**	68	46	36	17	4	n	71	40	**	99	60	10	13	n	n	n	
W. Winter Menhaden	20	8	14	3	3	1	n	n	1	1	1	n	n	n	n	2	n	n	n	n	n	n	n	n	n	
C. Winter Menhaden	75	28	56	14	28	19	6	n	8	15	12	15	9	2	1	24	10	n	2	4	n	n	n	n	n	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Survey Block 1	n	n	n	n	1	1	n	n	n	1	5	12	78	18	1	1	6	n	n	1	n	1	2	1	1	
Survey Block 2	n	n	n	1	8	34	2	1	1	13	50	**	87	28	3	8	42	n	1	8	n	2	1	n	n	
Survey Block 3	n	n	2	11	73	81	20	1	7	31	47	60	52	25	3	62	37	1	1	15	n	1	n	n	n	
Survey Block 4	1	3	25	10	36	54	39	n	5	17	21	27	28	18	3	32	17	n	1	7	n	n	n	n	n	
Survey Block 5	3	3	7	1	6	19	21	n	n	2	3	3	5	5	1	5	2	n	n	1	n	n	n	n	n	
Survey Block 6	2	1	3	1	2	6	6	n	n	1	n	1	n	1	n	2	n	n	n	n	n	n	n	n	n	
Survey Block 7	2	1	2	1	1	2	1	n	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
La. Coastal Waters	95	95	77	99	68	29	6	99	93	68	50	35	17	4	n	70	44	**	98	71	22	25	1	n	n	
Miss. Coastal Waters	n	n	n	2	n	n	n	1	3	2	3	1	1	n	n	n	3	2	2	5	94	18	2	n	n	
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	1	1	1	1	n	n	n	3	n	n	2	5	44	17	1	n	
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	58	42	24
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
Land	2	36	14	23	5
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	n	12	3	1	1
Timbalier Bay	n	n	n	n	n
Barataria Bay	n	n	n	n	n
Mississippi Sound	n	3	1	n	n
Caminada Headland	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n
Chan/Bret Coast. Barr.	n	4	1	n	n
E. Deltaic Plain Marsh.	n	2	4	n	n
W. Winter Menhaden	n	n	n	n	n
C. Winter Menhaden	n	n	1	n	n
Big Bend Seagrass	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n
Survey Block 1	1	7	45	4	16
Survey Block 2	n	4	21	1	3
Survey Block 3	n	1	9	n	1
Survey Block 4	n	n	2	n	n
Survey Block 5	n	n	n	n	n
Survey Block 6	n	n	n	n	n
Survey Block 7	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	n	4	3	n	n
Miss. Coastal Waters	n	3	1	n	n
Ala. Coastal Waters	n	27	8	3	1
Fla. Coastal Waters	5	27	7	38	8
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 10 days; Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
Land	5	n	n	1	2	n	n	n	2	n	4	2	4	6	8	7	43	6
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Arensas Refuge	n	n	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n
Tamaulipas, Mexico	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	2
Barataria Bay	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	2
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	1	n	n	n	n	2	n	n	n	n	n	1	n	n	3
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	3
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	3
W. Winter Menhaden	n	n	n	1	n	n	n	n	1	n	n	n	n	n	1	n	n	1
C. Winter Menhaden	n	n	n	3	n	n	n	n	4	n	n	n	n	n	4	n	n	9
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	7	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	2	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	1	n	n	n	n	2	n	n	3
Survey Block 4	n	n	n	n	n	n	n	1	13	n	n	n	n	1	12	n	n	14
Survey Block 5	n	n	n	6	n	n	n	5	7	n	n	n	n	5	5	n	n	12
Survey Block 6	n	n	n	14	n	n	n	4	2	n	n	n	n	3	1	n	n	9
Survey Block 7	n	n	n	9	n	n	n	2	1	n	n	n	2	2	1	n	n	6
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	1	1	2	2	4	8	11	20	n
Flower Garden NMS	n	1	1	n	n	2	n	n	n	n	n	2	n	n	n	n	n	n
Tex. Coastal Waters	5	n	n	n	2	n	n	n	n	n	2	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	1	n	n	n	n	3	n	n	n	n	n	3	n	n	8
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	3	4	6	9	10	9	64	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	4	12	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	3	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table 8-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161

Environmental Resource	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
Land	89	97	99	99	93	88	68	57	78	51	49	99	99	99	80	91	60	36	20	15	19	7	4	12	3
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	11	43	n	17	4	n	3	3	1	1	2	n	n
Aransas Refuge	n	n	n	37	25	9	18	13	4	11	10	34	22	9	25	17	15	12	5	4	6	1	n	2	n
Tamaulipas, Mexico	48	13	6	3	5	11	3	5	26	8	12	1	1	n	1	1	n	n	n	n	1	1	n	3	2
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	3	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	1	1	n	1	1	n	n	n	1	1	17	13	27	12	10	14	10	5	5
Tex. Coastal Waters	64	94	98	99	93	86	69	58	66	51	45	99	99	99	82	92	63	39	24	17	23	9	7	13	3
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	2	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																									
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	
Land	2	13	4	n	99	94	86	70	53	40	87	78	64	54	29	30	19	11	12	3	3	1	2	n	2	
Galveston Bay	1	n	n	n	20	15	24	21	9	11	11	5	14	7	6	4	1	1	1	n	n	n	n	n	n	n
Aransas Refuge	n	3	n	n	6	6	11	9	10	7	4	2	3	2	1	1	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	7	7	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	2	32	n	8	n	6	6	n	4	n	1	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	16	n	1	n	1	1	n	1	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	31	n	5	n	3	4	n	3	n	1	n	1	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	1	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	1	n	n	n	n	27	2	93	n	33	37	40	84	56	49	44	26	21	11	7	6	2	1	n	1	
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	27	n	46	2	29	22	3	14	2	5	n	2	n	1	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	4	5	1	3	n	1	n	1	n	1
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	2	11	37	3	23	2	9	1	5	1	3
Survey Block 6	n	n	n	n	n	n	n	n	n	n	1	1	7	7	27	77	10	61	5	22	2	9	1	3	3	3
Survey Block 7	n	n	n	n	n	n	n	n	n	1	n	2	2	9	17	31	61	35	63	14	28	5	11	3	3	3
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	1	2	2
Flower Garden NMS	4	2	2	1	n	1	1	2	15	10	1	1	2	2	5	2	2	3	1	3	n	2	n	n	n	n
Tex. Coastal Waters	2	12	3	1	62	47	84	61	56	37	30	17	39	22	19	11	3	3	1	2	n	1	n	n	n	n
La. Coastal Waters	n	n	n	n	56	64	7	20	1	8	77	82	38	46	18	29	21	10	13	2	3	n	1	n	1	1
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	n	3	3
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75
Land	76	72	98	83	68	47	43	22	17	10	9	7	8	8	14	11	13	97	92	86	69	67	38	46	25
Galveston Bay	3	2	n	1	1	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	2	7	n	1	n	n	n	n	n	n	n	n	n	n	32	10	17	4	16	6	7	3
Timbalier Bay	15	10	n	4	3	12	5	7	4	4	2	1	1	n	n	n	n	n	1	n	n	1	n	2	2
Barataria Bay	48	11	n	2	2	7	5	4	2	1	2	1	n	n	n	n	n	n	n	n	n	1	n	1	1
Mississippi Sound	n	n	3	4	7	n	2	n	n	n	n	n	n	n	n	n	n	40	16	7	2	8	3	4	3
Caminada Headland	44	16	n	5	4	15	11	8	5	4	3	2	1	n	n	n	n	n	1	1	n	2	1	3	1
W.Plaquemines C.Barr.	34	54	2	13	12	15	16	3	6	1	2	n	1	n	n	n	n	n	3	1	1	6	2	10	5
Chan/Bret Coast.Barr.	n	4	54	35	24	1	8	n	2	n	n	n	n	n	n	n	n	46	58	14	3	17	6	10	5
E.Deltaic Plain Marsh.	n	39	96	68	42	8	27	n	6	n	1	n	n	n	n	n	n	21	40	13	4	25	9	29	14
W. Winter Menhaden	30	22	2	6	7	29	15	24	11	8	3	2	1	n	n	n	n	n	1	1	n	2	1	5	1
C. Winter Menhaden	93	52	2	16	16	56	30	36	23	16	10	8	2	1	n	n	n	1	3	2	1	6	3	11	7
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	5	44	n	10	n	1	n	n	n	n	n	n	n	n	2	4	6	12	26	29	79	46
Survey Block 2	n	1	1	30	60	1	40	n	5	n	1	n	n	n	n	n	n	2	7	7	8	19	19	54	29
Survey Block 3	n	9	3	39	42	27	74	1	23	2	5	n	n	n	n	n	n	3	7	5	4	14	12	40	22
Survey Block 4	1	15	2	20	26	67	63	52	55	18	23	5	4	2	n	n	n	1	4	3	2	8	8	22	15
Survey Block 5	3	6	n	5	5	30	30	81	48	50	26	16	5	3	1	1	n	n	1	n	n	1	2	8	5
Survey Block 6	3	4	n	2	3	19	14	44	27	44	20	16	3	3	n	n	n	n	1	n	n	n	1	4	2
Survey Block 7	2	4	n	3	3	15	12	30	19	27	13	9	3	2	n	n	n	n	n	n	n	1	1	3	1
Fla. Keys NMS	n	n	n	n	n	n	n	n	1	1	2	3	9	6	13	9	13	n	n	n	n	n	n	n	n
Flower Garden NMS	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	9	5	n	1	1	6	1	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	83	85	99	81	60	51	49	27	21	13	7	4	2	n	n	n	n	45	72	21	6	33	10	36	16
Miss. Coastal Waters	n	n	3	5	7	n	2	n	n	n	n	n	n	n	n	n	n	39	16	7	2	8	3	4	2
Ala. Coastal Waters	n	n	n	3	11	n	1	n	n	n	n	n	n	n	n	n	n	42	15	49	11	30	10	11	7
Fla. Coastal Waters	n	n	n	1	3	n	n	n	1	1	3	6	9	9	19	13	16	n	54	80	22	32	6	9	9
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	1	3	1	5	4	5	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	1	1	2	1	2	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	36	64	72	22	29	41	7	9	17	27	4	1	6	13	2	1	1	6	5	1	n	4	7	3	3
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	2	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n
Mississippi Sound	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	1	n	n	3	n	n	2	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	n	n	n
Chan/Bret Coast. Barr.	3	n	n	1	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	4	n	n	4	1	n	4	1	n	n	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	1	n	n	1	n	n	3	1	n	n	2	n	n	n	1	n	n	n	1	n	n	n	n	n	n
Big Bend Seagrass	n	26	95	n	3	68	n	n	37	**	n	n	13	97	n	n	2	8	n	n	1	n	n	n	n
Florida Middle Grounds	n	1	1	n	3	11	1	36	41	24	n	12	25	25	n	n	6	8	n	n	1	3	n	n	n
Survey Block 1	23	5	1	19	8	3	17	6	2	1	12	5	1	n	6	2	1	n	2	1	n	n	1	1	n
Survey Block 2	14	2	1	13	4	1	13	4	1	n	9	3	1	n	4	2	n	n	1	1	n	n	1	n	n
Survey Block 3	9	1	n	8	3	1	10	3	1	n	9	3	n	n	5	1	n	n	2	1	n	n	1	n	n
Survey Block 4	3	1	n	5	1	n	9	3	1	n	10	3	n	n	5	2	n	n	3	1	n	n	1	1	n
Survey Block 5	1	n	n	1	1	1	2	1	1	n	6	2	n	n	4	1	n	n	2	1	n	n	n	n	n
Survey Block 6	n	n	n	1	1	n	1	n	n	3	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n
Survey Block 7	n	n	n	1	1	n	1	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	4	1	1	1	8	2	5
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	5	n	n	5	n	n	5	1	n	n	3	1	n	n	2	n	n	n	1	n	n	n	n	n	n
Miss. Coastal Waters	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	4	1	n	2	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	59	86	89	26	44	60	4	13	28	65	1	2	8	47	2	n	2	42	4	1	2	27	8	2	4
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	2	n	n	n	3	1	2
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125E
Land	3	5	10	8	13	11	10	13	22	28	32	31	24	17	18	30	45	41	35	30	23	18	12	28	44
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Marshaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Marshaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	6	5	9	5	15	17	14	11	20	26	36	37	30	24	24	19	37	59	62	47	42	40	6	13	56
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	5	26	10	9	18	17	16	56	28	31	42	41	30	28	66	37	54	52	51	44	33	41	14	30	55
Florida Bay Seagrass	2	1	3	3	7	7	5	3	9	11	12	13	9	7	8	10	18	21	24	15	12	28	3	7	22
Dry Tortugas	2	1	2	1	3	6	3	4	5	6	11	12	11	10	9	4	10	27	28	21	18	17	n	2	22

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days; Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
Land	31	30	25	19	11	45	53	28	18	13	8	7	6	12	7	19	11	22	11	25
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	2	1	n	1	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	4	1	3	1	1	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	1	1	1	1	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	2	1	1	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	3	2	4	2	2	1	n	1	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	8	5	5	2	2	1	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	5	3	2	2	1	1	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	18	9	6	3	2	2	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	7	2	5	1	2	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	17	8	14	6	5	3	1	1	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	49	40	8	14	1	3	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	48	30	14	12	3	4	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	45	23	25	15	7	7	1	1	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	39	20	32	16	14	9	3	2	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	18	12	26	13	14	6	3	2	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	8	4	13	7	9	3	3	1	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	4	2	6	4	5	2	1	n	n	n	n	n	n
Fla. Keys NMS	85	68	61	58	4	14	42	n	n	1	1	3	3	9	10	15	12	17	9	16
Flower Garden NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	n	n	n	28	15	14	8	5	3	1	1	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	2	1	1	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	4	4	n	1	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	46	44	39	32	12	47	65	2	5	1	1	5	5	13	10	22	15	25	13	29
Florida Bay Seagrass	18	15	15	16	1	9	23	n	n	n	n	1	1	4	4	7	5	7	3	7
Dry Tortugas	66	46	34	30	1	1	9	n	n	n	n	n	n	1	1	2	1	3	3	3

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																		
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	
Land	99	80	82	72	94	94	46	46	20	55	67	90	97	97	**	98	72	74	
Galveston Bay	n	1	19	22	28	21	10	5	1	4	3	n	n	n	n	n	n	n	
Aransas Refuge	3	22	18	13	11	10	8	1	n	n	n	n	n	n	n	n	n	n	
Tamaulipas, Mexico	4	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	1	48	1	2	8	22	
Timbalier Bay	n	n	n	n	n	n	n	16	6	16	16	4	n	n	n	n	2	2	
Barataria Bay	n	n	n	n	n	n	n	2	2	11	17	1	n	n	n	n	1	1	
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	2	8	31	73	46	11	11	
Caminada Headland	n	n	n	n	n	n	n	11	8	25	28	5	1	n	n	n	4	2	
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	1	1	18	50	15	3	1	n	1	8	6	
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	27	64	40	22	57	32	25	
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	99	64	19	11	26	42	33	
W. Winter Menhaden	n	n	n	n	n	n	n	1	43	23	35	29	8	1	1	n	1	3	2
C. Winter Menhaden	n	n	n	n	n	n	n	70	30	71	72	14	3	1	n	1	10	7	
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	1	44	41
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	3	2	2	1	2	36	30
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	1	15	4	3	n	2	26	22
Survey Block 4	n	n	n	n	n	n	n	4	10	4	11	13	3	2	n	1	14	11	
Survey Block 5	n	n	n	n	n	n	n	14	92	14	8	2	n	n	n	n	3	2	
Survey Block 6	n	n	n	n	n	n	n	17	69	15	6	1	n	n	n	n	1	1	
Survey Block 7	n	n	n	n	n	n	n	17	42	14	6	1	n	n	n	n	1	1	
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	3	2	8	1	1	14	2	1	1	1	n	n	n	n	n	n	n	n
Tex. Coastal Waters	99	81	83	72	90	74	49	15	4	10	8	1	n	n	n	n	n	n	n
La. Coastal Waters	n	n	n	n	17	30	1	44	23	60	79	95	91	41	24	59	59	46	
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	3	9	28	**	48	11	11
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	1	2	57	2	10	12	28
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
Land	60	77	25	73	5	13	30	56	5	14	8	2	16	11	5	3	9	11	8	8	27	8	24	45	81	27					
Galveston Bay	n	n	n	12	n	n	1	15	2	3	1	1	1	1	n	n	n	n	n	n	2	n	1	2	n	n					
Aransas Refuge	11	16	5	18	n	4	9	9	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Tamaulipas, Mexico	9	7	4	1	2	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	18	3					
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	n	2	4	n	1	3	8	1	7	9	3					
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	1	n	1	1	6	1	4	7	1					
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	13	2					
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	2	2	4	n	1	4	9	2	7	14	4					
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	7	3	9	17	9					
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	4	34	5					
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	5	13	40	1					
W. Winter Menhaden	n	n	n	n	n	n	n	n	1	n	4	5	20	10	1	4	9	n	1	4	22	1	17	22	4	7					
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	2	18	11	4	7	15	n	3	12	42	6	33	46	9	16					
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	34	54				
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3	5	33	46				
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	8	27	61	23	41				
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	3	2	6	n	5	20	84	15	69	86	13	35				
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	2	26	25	9	17	39	1	8	37	60	14	43	32	3	19					
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	5	72	44	8	29	55	1	6	28	33	9	25	19	1	9					
Survey Block 7	n	n	n	n	n	n	n	n	n	n	2	14	63	33	7	22	39	1	4	17	25	6	18	18	1	5					
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1	n	12	6	2	n	3	1	n	n	n				
Flower Garden NMS	1	n	3	4	8	11	14	13	10	14	9	2	1	1	n	n	n	n	n	n	n	n	n	1	n	n					
Tex. Coastal Waters	60	77	26	72	5	14	33	56	8	17	10	1	3	2	n	n	1	n	n	n	4	n	3	4	1	n					
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	1	1	17	12	2	4	12	n	2	8	32	6	28	51	59	27					
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	13	2					
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	24	5				
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	1	n	13	7	2	n	6	n	n	1	2				
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	5	2	1	n	1	n	n	n	n				
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	1	n	n	1	n	n	n	n	n				

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
Land	96	84	63	**	95	74	48	98	**	**	99	**	**	96	**	96	83	45	13	5	3	98	92	57	55
Galveston Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	56	6	3	4	1	n	n	1	n	1	n
Aransas Refuge	1	3	8	n	6	13	13	n	51	67	22	45	33	35	11	23	21	13	3	1	n	21	25	19	17
Tamaulipas, Mexico	32	42	17	2	8	7	5	8	n	1	3	n	1	2	n	1	1	n	n	1	3	1	1	n	2
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W.Plaquemines C.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast.Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E.Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	33	19	9	3	n	n	6	3
Tex. Coastal Waters	83	59	57	**	94	74	49	96	**	**	99	**	**	96	99	97	85	50	15	5	3	98	92	60	59
La. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
Land	34	17	13	46	90	**	**	**	98	75	99	96	97	88	61	48	17	50	32	94	86	90	80	58	22
Galveston Bay	n	n	n	3	8	41	53	17	25	17	15	14	8	13	16	11	2	13	9	7	13	6	12	14	6
Aransas Refuge	12	4	2	15	20	2	10	3	8	13	4	7	3	5	9	8	4	5	5	3	5	2	3	3	2
Tamaulipas, Mexico	1	2	6	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Barataria Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	3	4	50	76	5	n	66	20	13	59	25	71	85	30
C. Winter Menhaden	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
Survey Block 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	2	4
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	8	8	3	14	n	n	n	n	5	n	n	n	1	6	12	12	8	12	1	1	1	1	1	4	8
Tex. Coastal Waters	38	18	11	50	91	**	**	65	71	76	43	47	25	40	57	53	20	46	34	23	41	18	37	39	20
La. Coastal Waters	n	n	n	n	n	n	n	70	38	2	78	64	89	54	12	2	n	14	5	84	61	96	61	31	9
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

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Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
Land	4	1	89	59	72	29	12	38	86	70	63	42	20	6	2	1	40	21	13	7	8	8	35	17	8
Galveston Bay	1	n	12	15	9	5	1	7	5	9	11	7	4	1	1	n	7	1	1	n	n	n	7	1	n
Aransas Refuge	1	n	4	7	3	1	n	4	1	2	2	4	1	n	n	n	1	n	n	n	n	n	2	n	n
Tamaulipas, Mexico	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	n	n	1	2	1	62	2	n	n	n	n	n	n	3	6	4	3	1	n	2	3	2
Barataria Bay	n	n	n	n	n	1	1	n	n	n	n	n	1	n	n	n	n	2	3	1	n	n	n	1	n
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	n	n	1	2	1	n	n	n	n	1	n	n	n	2	9	6	2	2	n	1	3	2
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
W. Winter Menhaden	3	n	40	78	68	45	21	58	30	69	79	64	37	15	5	1	55	24	14	5	2	n	53	23	9
C. Winter Menhaden	n	n	n	n	n	6	10	2	n	n	n	1	2	2	n	n	12	31	21	11	4	n	5	17	10
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
Survey Block 4	n	n	n	n	n	1	2	1	n	n	n	n	n	n	1	n	2	13	23	9	2	n	1	3	4
Survey Block 5	n	n	n	n	n	3	9	1	n	n	n	n	1	1	1	n	7	82	68	28	9	.1	4	15	12
Survey Block 6	n	n	n	n	1	12	25	3	n	1	1	2	3	5	3	1	24	78	51	26	7	n	11	72	49
Survey Block 7	n	n	n	n	2	40	**	10	n	2	2	7	11	15	8	5	22	45	31	15	4	1	24	88	46
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	4	8	n	n	n
Flower Garden NMS	8	2	n	4	1	3	1	5	1	2	3	4	3	2	1	1	2	1	n	n	n	3	2	n	n
Tex. Coastal Waters	4	1	35	48	30	14	3	28	14	31	34	28	14	3	1	1	21	4	1	n	n	n	19	3	n
La. Coastal Waters	n	n	69	21	54	22	13	22	60	57	43	22	13	5	1	n	31	24	16	6	3	n	25	17	9
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	8	11	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
Land	2	2	37	75	56	76	49	73	54	89	74	60	11	8	12	14	98	92	72	56	79	85	59	86	88
Galveston Bay	n	n	9	8	10	6	6	7	8	2	6	1	1	n	n	n	1	1	4	4	5	2	5	3	2
Aransas Refuge	n	n	5	1	4	1	1	2	2	1	1	n	n	n	n	n	n	1	n	n	1	1	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Timbalier Bay	n	n	n	40	2	45	11	12	8	19	31	12	3	1	n	n	4	12	19	14	32	14	22	10	17
Barataria Bay	n	n	n	n	n	n	1	n	n	29	7	34	1	1	n	n	97	74	29	12	14	73	12	96	60
Mississippi Sound	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Caminada Headland	1	n	n	1	n	50	3	n	1	97	46	30	3	2	n	n	44	60	42	20	56	44	29	38	57
W. Plaquemines C. Barr.	n	n	n	n	n	n	1	n	n	1	1	13	2	1	n	n	5	23	12	18	1	53	3	76	22
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	3	n	n	n	n	n
W. Winter Menhaden	3	1	39	51	66	41	52	59	61	16	40	23	9	2	n	n	4	13	30	30	37	20	43	17	20
C. Winter Menhaden	3	1	1	1	1	52	81	22	48	30	**	63	17	5	n	n	5	80	94	66	42	90	90	96	**
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	1	n	n	n	n	4	n	n	n	n
Survey Block 4	2	n	n	n	n	n	2	n	1	n	n	37	41	10	1	n	n	n	3	88	n	n	1	n	n
Survey Block 5	6	4	n	n	2	1	7	1	4	n	1	26	50	16	2	n	n	n	4	21	n	1	6	n	1
Survey Block 6	15	6	1	1	4	1	13	1	7	1	3	15	35	10	1	n	n	1	5	13	1	1	8	1	1
Survey Block 7	20	7	2	3	8	2	13	3	8	1	2	12	21	6	1	n	n	1	4	13	2	1	8	1	1
Fla. Keys NMS	1	1	n	n	n	n	n	n	n	n	n	n	n	2	9	11	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	10	2	2	1	1	2	2	1	2	1	n	n	n	n	1	1	1	1	1	1	1	n	n
Tex. Coastal Waters	n	n	34	22	28	17	19	24	23	5	15	5	1	n	n	n	2	4	9	7	14	6	15	5	6
La. Coastal Waters	2	1	10	78	41	84	44	63	47	97	77	65	12	3	n	n	**	97	74	59	85	90	63	87	94
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fla. Coastal Waters	1	1	n	n	n	n	n	n	n	n	n	1	5	14	17	n	n	n	n	n	n	n	n	n	n
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	1	5	5	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
Land	78	89	74	90	73	44	19	99	95	82	76	65	48	24	11	77	74	**	98	90	99	94	77	45	27
Galveston Bay	3	1	2	1	1	n	n	n	1	1	1	1	n	n	n	1	1	n	n	1	n	n	n	n	n
Aransas Refuge	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mobile Bay	n	n	n	n	n	n	n	n	1	1	1	3	3	1	n	n	3	n	n	2	1	29	10	4	2
Timbalier Bay	15	7	12	3	8	6	4	n	1	5	2	5	5	4	2	7	3	n	n	1	n	1	n	n	n
Barataria Bay	23	5	12	2	5	4	3	n	1	2	2	5	3	3	2	3	2	n	1	2	n	n	n	n	n
Mississippi Sound	n	n	n	1	1	1	n	1	2	4	5	4	3	1	n	1	7	1	1	6	70	21	4	2	n
Caminada Headland	33	11	23	6	10	10	5	n	3	7	5	8	7	7	3	8	5	n	1	3	n	n	1	n	n
W.Plaquemines C.Barr.	83	96	62	19	27	17	7	1	9	16	18	21	18	10	3	24	13	n	2	8	n	n	2	1	1
Chan/Bret Coast.Barr.	n	n	1	7	16	7	1	15	29	30	25	19	10	4	1	21	28	39	28	44	22	32	8	4	2
E.Deltaic Plain Marsh.	n	1	9	**	72	27	7	**	**	76	59	51	31	14	4	76	55	**	99	68	11	21	11	4	5
W. Winter Menhaden	26	12	23	8	16	16	12	n	3	9	9	11	11	8	3	13	8	n	2	3	n	1	n	n	n
C. Winter Menhaden	75	29	58	15	32	33	24	n	9	18	18	25	23	21	9	27	17	n	2	7	n	1	2	1	1
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	1	3	1	n	n	3	7	13	78	20	1	1	8	n	n	2	1	4	10	21	23
Survey Block 2	n	n	n	1	9	35	4	1	1	14	52	**	89	35	4	9	43	n	1	10	n	4	8	12	13
Survey Block 3	n	n	2	11	73	83	25	1	7	32	50	67	66	44	9	62	42	1	1	17	n	3	5	6	7
Survey Block 4	1	3	26	11	39	61	54	n	6	22	27	37	46	49	21	34	24	1	1	8	n	2	3	3	3
Survey Block 5	4	3	8	2	8	30	44	n	1	3	6	10	16	29	19	6	5	n	n	1	n	n	n	n	1
Survey Block 6	4	2	4	1	4	16	25	n	n	1	3	5	8	16	13	3	2	n	n	1	n	n	n	n	n
Survey Block 7	4	2	5	1	4	13	19	n	n	2	3	5	7	11	9	3	3	n	n	1	n	n	n	n	n
Fla. Keys NMS	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n
Flower Garden NMS	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tex. Coastal Waters	8	3	6	2	1	1	1	n	1	3	3	2	1	n	n	2	2	n	n	n	n	n	n	n	n
La. Coastal Waters	97	97	83	99	82	52	23	**	96	82	75	64	49	28	9	84	71	**	99	85	24	39	14	6	5
Miss. Coastal Waters	n	n	n	2	1	2	n	1	3	4	6	3	3	1	n	1	6	2	3	7	94	20	4	1	n
Ala. Coastal Waters	n	n	n	n	1	n	n	n	1	2	3	4	5	2	n	n	6	n	n	4	5	46	26	8	2
Fla. Coastal Waters	n	n	n	n	n	n	1	n	n	n	n	1	n	n	3	n	1	n	n	n	n	10	66	52	33
Florida Bay Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dry Tortugas	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
Land	12	76	56	50	33
Galveston Bay	n	n	n	n	n
Aransas Refuge	n	n	n	n	n
Tamaulipas, Mexico	n	n	n	n	n
Mobile Bay	1	18	9	5	3
Timbalier Bay	n	1	1	n	1
Barataria Bay	n	n	1	1	n
Mississippi Sound	1	7	4	2	3
Caminada Headland	1	1	3	1	1
W. Plaquemines C. Barr.	3	3	7	2	6
Chan/Bret Coast. Barr.	1	16	17	5	5
E. Deltaic Plain Marsh.	5	20	27	7	14
W. Winter Menhaden	n	1	4	n	1
C. Winter Menhaden	3	3	9	2	5
Big Bend Seagrass	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n
Survey Block 1	18	15	55	24	45
Survey Block 2	12	13	38	13	28
Survey Block 3	10	10	25	9	20
Survey Block 4	7	5	14	5	11
Survey Block 5	3	1	4	1	2
Survey Block 6	1	n	1	1	1
Survey Block 7	1	n	1	n	1
Fla. Keys NMS	n	n	n	n	n
Flower Garden NMS	n	n	n	n	n
Tex. Coastal Waters	n	n	n	n	n
La. Coastal Waters	6	27	36	10	17
Miss. Coastal Waters	n	6	4	2	3
Ala. Coastal Waters	1	38	18	13	6
Fla. Coastal Waters	9	35	14	50	18
Florida Bay Seagrass	n	n	n	n	n
Dry Tortugas	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
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Table B-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain environmental resource within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Environmental Resource	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
Land	43	13	4	4	10	6	6	14	18	18	16	14	19	26	30	25	58	11
Galveston Bay	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
Aransas Refuge	3	3	1	n	2	1	n	n	n	n	1	1	1	n	n	n	n	n
Tamaulipas, Mexico	28	14	11	6	2	n	n	n	n	n	1	n	n	n	n	n	n	4
Mobile Bay	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n
Timbalier Bay	n	n	n	2	n	n	n	1	2	n	n	n	n	1	1	n	n	3
Barataria Bay	n	n	n	n	n	n	n	n	1	1	n	n	n	n	1	1	n	2
Mississippi Sound	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
Caminada Headland	n	n	n	2	n	n	n	1	3	1	n	n	n	1	3	1	n	4
W. Plaquemines C. Barr.	n	n	n	n	n	n	n	n	1	2	n	n	n	n	1	2	n	4
Chan/Bret Coast. Barr.	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n
E. Deltaic Plain Marsh.	n	n	n	n	n	n	n	n	n	3	n	n	n	n	1	3	n	4
W. Winter Menhaden	n	n	n	5	n	n	3	2	4	1	n	n	2	2	3	n	n	4
C. Winter Menhaden	n	n	n	6	n	n	n	3	8	3	n	n	1	2	7	2	n	11
Big Bend Seagrass	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Florida Middle Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Survey Block 1	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n	9	n	n
Survey Block 2	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	8	n	n
Survey Block 3	n	n	n	n	n	n	n	n	n	7	n	n	n	n	3	6	n	3
Survey Block 4	n	n	n	1	n	n	1	1	13	6	n	n	n	3	14	5	n	15
Survey Block 5	n	n	n	8	1	n	1	9	11	4	n	n	n	7	9	3	n	14
Survey Block 6	n	n	n	15	2	1	2	9	7	2	n	1	n	7	5	1	n	11
Survey Block 7	n	n	n	11	1	n	3	5	4	1	n	1	4	5	3	1	n	10
Fla. Keys NMS	n	n	n	n	2	2	3	11	9	12	5	7	9	14	16	16	20	n
Flower Garden NMS	n	3	3	n	n	5	2	n	n	n	1	4	1	n	n	n	n	n
Tex. Coastal Waters	35	12	3	1	8	3	3	n	n	n	6	3	2	n	n	n	n	1
La. Coastal Waters	n	n	n	5	n	n	n	2	8	5	n	n	n	2	8	5	n	12
Miss. Coastal Waters	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
Ala. Coastal Waters	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n
Fla. Coastal Waters	n	n	n	n	2	3	4	14	15	16	11	13	19	29	27	24	71	n
Florida Bay Seagrass	n	n	n	n	1	1	1	5	4	6	3	3	5	7	6	7	14	n
Dry Tortugas	n	n	n	n	n	n	n	1	1	2	1	1	2	1	2	4	2	n

Note: ** = Greater than 99.5%; n = Less than 0.5%

The definition of State coastal waters has changed from previous lease sales; see report text and figure A-9.

Appendix C

**Seasonal Conditional Tables for
Land Segments**

Table C-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

		<u>Hypothetical Spill Location</u>																								
Land Segment		W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1		15	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2		2	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3		n	11	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4		n	1	11	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5		n	n	16	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6		n	n	4	19	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7		n	n	n	23	2	n	n	n	n	n	n	11	n	n	n	n	n	n	n	n	n	n	n	n	n
8		n	n	n	3	n	n	n	n	n	n	n	22	7	n	n	n	n	n	n	n	n	n	n	n	n
9		n	n	n	n	n	n	n	n	n	n	n	14	2	n	n	n	n	n	n	n	n	n	n	n	n
10		n	n	n	n	n	n	n	n	n	n	n	8	21	n	n	n	n	n	n	n	n	n	n	n	n
11		n	n	n	n	n	n	n	n	n	n	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n
58		7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
		<u>Hypothetical Spill Location</u>																								
Land Segment		W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
11		n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12		n	n	n	n	25	5	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13		n	n	n	n	1	20	n	1	n	n	5	n	1	n	n	n	n	n	n	n	n	n	n	n	n
14		n	n	n	n	n	2	n	n	n	n	9	n	1	n	n	n	n	n	n	n	n	n	n	n	n
15		n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16		n	n	n	n	n	n	n	n	n	n	16	15	1	4	n	n	n	n	n	n	n	n	n	n	n
17		n	n	n	n	n	n	n	n	n	n	n	16	n	2	n	n	n	n	n	n	n	n	n	n	n
18		n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n
19		n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
		<u>Hypothetical Spill Location</u>																								
Land Segment		C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75
16		1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17		12	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18		4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19		12	33	27	4	n	7	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20		n	n	n	16	5	n	n	n	n	n	n	n	n	n	n	n	n	n	10	9	n	n	n	n	n
21		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	19	4	n	n	n	n	n
22		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	2	n	n	n	n	n
23		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	2	15	n	3	n	n
24		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	7	2	1	n	n
25		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	n
26		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n	1	n	n
27		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	2	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
26	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	6	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	2	27	4	5	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	8	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	n	n	10	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	1	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
36	n	n	n	n	n	n	n	n	n	2	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	10	n	n	n	n	2	n	n	n
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	3	n	n	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	E101	E102	E103	E104	E105	E106	E107	E108	E109	E110	E111	E112	E113	E114	E115	E116	E117	E118	E119	E120	E121	E122	E123	E124	E125
38	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40	n	2	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	n	1	n	n	n	n	1	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
42	n	n	n	n	n	n	2	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	1	n	n	n

Land Segment	Hypothetical Spill Location																		
	E126	E127	E128	E129	E130	E131	E132	E133	E134	E135	E136	E137	E138	E139	E140	E141	E142	E143	E144

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	8	6	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	14	10	1	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	5	14	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	4	n	6	5	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	5	23	25	6	n	n	n	n	n
20	n	n	n	n	n	n	n	n	n	n	n	6	18	4	6	11	1	n
21	n	n	n	n	n	n	n	n	n	n	n	n	4	14	75	26	2	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	26	1	2	1	3
23	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	1	11

Land Segment	Hypothetical Spill Location																										
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31	
8	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	5	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	10	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	7	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n

Land Segment	Hypothetical Spill Location																									
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E	
1	48	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	2	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	n	n	n	6	1	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	n	n	12	1	n	n	3	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	n	57	4	n	n	6	1	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	4	1	n	n	n	4	11	7	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	n	n	n	n	n	37	56	13	29	12	2	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	n	n	n	n	n	50	n	n	51	52	7	3	n	n	n	n	n	n	n	4	3	n	n
9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	18	6	n	n	n	n	n	n	18	3	n	n
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	46	5	n	n	n	n	n	n	4	n	n	n
5B	8	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
9	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	n	40	28	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	38	3	34	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	27	20	n	37	11	3	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	n	n	n	n	n	18	43	8	n	n	n	n	n	11	5	n	1	n	n
14	n	n	n	n	n	n	n	n	n	n	n	n	6	16	n	n	n	n	n	16	7	n	2	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	16	1	n	1	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	1	49	9	n	n

Land Segment	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
13	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	7	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	8	n	9	n	n	n	51	12	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
16	n	n	n	21	3	16	4	15	7	3	8	n	n	n	n	n	1	2	1	n	13	1	2	1	3
17	n	n	n	3	n	20	1	n	n	58	16	10	n	n	n	n	30	29	12	1	22	14	10	9	26
18	n	n	n	n	n	n	n	n	n	5	1	10	n	n	n	n	51	15	4	n	2	6	2	7	9
19	n	n	n	n	n	n	n	n	n	1	n	4	n	n	n	n	3	8	5	9	n	27	1	40	8

Land Segment	Hypothetical Spill Location																									
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC	
17	9	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
18	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
19	31	68	34	66	16	1	n	67	29	7	1	n	n	n	n	14	1	57	53	4	n	n	n	n	n	
20	n	n	n	2	2	n	n	3	7	3	n	n	n	n	n	2	n	7	6	5	5	3	n	n	n	
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	72	5	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	11	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	19	1	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	15	1	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	2	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	4
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table C-1. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	<u>Hypothetical Spill Location</u>				
	6AC	7AC	8AC	9AC	10AC
23	n	2	n	n	n
24	n	7	n	2	n
25	n	n	n	2	n
26	n	n	n	2	n
29	1	n	n	n	n

Land Segment	<u>Hypothetical Spill Location</u>																		
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118	
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table C-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 10 days, Gulf of Mexico DCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1	31	14	2	n	1	1	n	n	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	9	21	7	2	2	3	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	6	32	31	10	8	8	n	n	3	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n
4	1	6	21	8	6	5	1	n	3	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
5	3	4	24	15	12	6	1	n	3	n	n	7	3	n	1	n	n	n	n	n	n	n	n	n	n
6	n	n	6	27	11	7	1	n	2	n	n	9	4	n	1	n	n	n	n	n	n	n	n	n	n
7	n	n	n	29	16	7	4	1	1	n	27	12	3	6	2	n	n	n	n	n	n	n	n	n	n
8	n	n	n	3	5	3	7	3	n	1	n	34	30	10	17	9	4	n	n	n	n	n	n	n	n
9	n	n	n	n	n	n	1	n	n	n	n	21	14	6	11	4	1	n	n	n	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	10	41	1	15	4	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	n	n	n	11	n	2	n	n	n	n	n	n	n	n	n	n
58	25	3	1	n	n	1	n	n	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Land Segment	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
8	n	n	n	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	3	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	13	2	10	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	12	2	4	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	40	29	8	14	1	3	11	2	11	2	2	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	1	21	n	4	n	1	16	5	9	5	3	1	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	2	n	n	n	n	12	4	4	3	2	1	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	3	1	1	1	1	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	20	26	1	14	1	8	3	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	17	n	2	n	2	1	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75
13	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	13	6	n	n	n	7	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	19	8	n	1	n	10	1	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	7	2	n	n	n	2	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	18	41	42	16	4	16	9	5	1	n	n	n	n	n	n	n	n	2	4	n	n	n	n	1	n
20	n	6	40	20	2	1	1	n	n	n	n	n	n	n	n	n	n	20	23	1	n	1	n	1	n
21	n	1	6	5	3	n	n	n	n	n	n	n	n	n	n	n	n	30	15	2	n	n	n	n	n
22	n	n	n	2	3	n	n	n	n	n	n	n	n	n	n	n	n	13	9	3	n	2	n	1	n
23	n	n	n	3	7	n	n	n	n	n	n	n	n	n	n	n	n	17	8	24	1	9	1	1	n
24	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	1	30	20	13	5	2	1
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	16	1	4	n	1
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	15	1	8	n	1
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	6	n	1
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1

Land Segment	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
24	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	7	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27	25	1	n	9	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	12	2	n	8	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	2	55	30	11	32	17	2	8	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	13	33	n	3	13	n	1	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	n	n	13	n	1	12	n	1	7	3	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	3	n	n	3	7	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	1	n	n	3	18	n	n	2	5	n	n	n	1	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	1	7	n	n	1	3	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	1	6	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n
36	n	n	n	n	n	n	n	n	1	5	n	n	1	9	n	n	1	3	n	n	n	1	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	1	5	n	n	1	15	n	n	n	8	n	n	n
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	4	n	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125
36	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	1	3	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
38	n	4	n	n	n	n	2	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
39	1	5	n	n	n	n	2	5	n	n	n	n	n	2	1	n	n	n	n	n	n	1	n	n	n
40	n	2	n	n	n	n	1	4	n	n	n	n	1	n	n	n	n	n	n	n	n	1	n	n	n
41	n	2	n	n	n	n	1	15	n	n	n	n	1	5	5	n	n	n	n	1	1	2	n	n	n
42	n	n	n	n	n	n	n	2	n	n	n	n	2	12	n	n	n	n	n	1	4	n	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	1	n	n	n	n	3	n	1	1	1
44	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	3	n	n	n	n	n	n	4	5	5
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	2	1
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	2	2	1	1
Land Segment	Hypothetical Spill Location																								
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145					
24	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
41	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
42	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
43	1	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
44	1	n	n	n	1	10	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
45	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
46	n	n	n	n	1	4	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
55	n	n	n	n	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	

Notes: ** = Greater than 99.5 percent; n = less than 0.5 percent.
Rows with all values less than 0.5 percent are not shown.

Table C-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	18	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	12	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	34	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	16	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	1	9	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	23	16	5	3	1	n	n	n	n	n	n	n	n	n	n	n	n
9	n	11	12	9	4	2	n	n	n	n	n	n	n	n	n	n	n	n
10	n	1	16	19	17	13	1	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	1	14	8	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	9	24	1	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	n	n	1	n	1	1	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	16	4	14	11	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	8	4	14	13	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	1	n	3	4	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	1	1	8	31	43	16	2	n	3	3	1
20	n	n	n	n	n	n	n	n	n	n	n	30	40	16	12	30	4	2
21	n	n	n	n	n	n	n	n	n	n	n	5	14	26	81	42	7	3
22	n	n	n	n	n	n	n	n	n	n	n	n	3	31	2	5	7	8
23	n	n	n	n	n	n	n	n	n	n	n	1	2	8	n	1	6	19
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table C-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
3	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
4	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
5	1	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
6	1	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
7	4	5	n	5	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
8	2	7	n	15	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
9	n	n	n	9	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
10	n	n	n	11	n	n	n	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
16	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	2	n	1	4	n	n	n				
17	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	5	n	3	5	n	n	n				
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	1	n	n	n				
19	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	11	n	7	20	3	n	n				
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	n	n				
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n				
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n				
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n				
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n				
Land Segment	Hypothetical Spill Location																														
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E						
1	63	15	2	1	2	n	n	10	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
2	5	7	n	2	3	n	n	14	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
3	3	3	1	16	22	n	n	35	1	6	15	2	3	3	n	n	n	n	n	n	n	n	1	1	n	n					
4	n	4	n	16	7	n	n	13	2	3	9	3	3	4	n	n	n	n	n	n	n	n	1	n	n	n					
5	n	4	1	59	18	1	n	14	3	13	21	5	4	8	1	n	n	n	n	n	n	2	2	n	n	n					
6	n	1	n	4	9	2	n	n	6	16	20	5	6	8	2	2	1	n	n	n	n	4	2	n	n	n					
7	n	n	1	n	4	4	n	n	37	58	19	33	21	25	5	10	3	n	n	n	n	13	12	1	1	1					
8	n	n	n	n	n	4	1	n	50	n	n	51	57	18	13	25	11	1	n	n	n	31	31	5	5	5					
9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	24	21	9	1	n	n	n	25	8	3	1	1					
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	47	7	5	2	n	n	n	4	n	2	n	n					
58	21	17	3	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
5	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	n	2	1	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	1	n	n	1	12	5	13	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	3	13	5	11	4	4	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	1	11	46	51	14	15	4	6	2	2	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	39	4	41	12	3	6	4	n	1	n	1	n	n	n	n	1	n	n	n	n
12	n	n	n	n	n	n	n	30	30	2	58	33	19	15	8	1	n	6	1	9	17	5	15	9	1
13	n	n	n	n	n	n	n	n	n	n	n	19	46	14	2	n	n	3	1	20	18	8	12	9	2
14	n	n	n	n	n	n	n	n	n	n	n	n	6	17	n	n	n	n	n	19	9	6	7	4	1
15	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	19	3	3	3	1	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	2	53	12	n	n

Land Segment	Hypothetical Spill Location																									
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
11	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
12	n	n	16	8	11	1	n	3	2	6	8	4	2	n	n	n	1	n	n	n	n	n	n	1	n	n
13	n	n	14	7	10	3	n	4	3	11	10	6	1	n	n	n	4	n	n	n	n	n	5	1	n	n
14	n	n	12	1	6	3	n	2	3	7	7	3	n	n	n	n	3	n	n	n	n	n	4	n	n	n
15	n	n	5	n	2	n	n	n	1	2	2	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
16	n	n	9	n	12	2	1	1	58	16	3	1	n	n	n	n	5	5	1	n	n	n	2	2	n	n
17	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	1	3	2	n	n	n	n	1	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
12	n	n	2	5	3	2	n	4	2	1	2	n	n	n	n	n	n	n	1	1	1	n	1	n	n
13	n	n	3	7	8	4	2	7	4	1	3	1	n	n	n	n	n	n	1	n	4	1	1	n	1
14	n	n	n	5	4	4	2	5	4	1	3	1	n	n	n	n	n	1	1	1	3	n	3	n	1
15	n	n	n	2	1	n	n	2	n	1	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1
16	n	n	n	31	7	30	17	25	15	11	24	10	n	n	n	n	5	12	16	8	26	10	14	7	14
17	n	n	n	3	n	20	2	n	n	59	18	15	1	n	n	n	31	35	20	14	24	20	16	16	32
18	n	n	n	n	n	n	n	n	n	5	1	13	n	n	n	n	53	17	7	4	3	10	3	11	11
19	n	n	n	n	n	n	n	n	n	2	1	9	2	n	n	n	4	12	9	22	1	35	2	46	12

Note: ** = Greater than 99.5%; n = Less than 0.5%.
Segments with all values less than 0.5% are not shown.

Table C-2. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
14	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	10	4	7	n	1	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
17	17	6	11	n	2	1	n	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n
18	4	1	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	37	72	43	76	32	11	1	77	45	21	9	10	6	1	n	31	7	68	64	15	1	1	n	n	n
20	n	n	n	9	16	3	n	15	31	20	7	4	2	n	n	19	5	24	23	21	12	9	n	n	n
21	n	n	n	2	2	n	n	2	5	4	4	2	1	n	n	2	4	3	3	8	79	12	n	n	n
22	n	n	n	n	1	n	n	n	n	2	2	2	1	n	n	1	3	n	n	3	2	17	1	n	n
23	n	n	n	n	1	n	n	n	n	1	2	2	1	n	n	1	4	n	n	2	1	27	7	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	6	33	8	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	9	1	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	14	5
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14	18
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	13
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1

Land Segment	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
19	n	n	1	n	n
21	n	1	n	n	n
22	n	1	n	n	n
23	n	12	4	n	n
24	n	21	4	12	4
25	n	1	n	10	1
26	1	n	n	9	2
27	4	n	n	2	1
28	6	n	n	n	n
29	5	n	n	n	n

Land Segment	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	1	n
19	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	3	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n
44	n	n	n	n	n	n	n	n	n	1	1	1	2	2	3	10	n	n
45	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	n	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	6	n	n
49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n
55	n	n	n	n	n	n	n	n	n	1	1	1	1	1	n	n	n	n
58	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																									
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25	
1	35	19	4	2	3	5	1	2	14	3	4	1	n	n	n	n	n	n	n	n	1	n	n	1	1	
2	13	24	8	2	6	7	n	1	10	3	3	1	1	n	1	1	n	n	n	n	n	n	n	n	n	
3	11	36	33	12	16	18	3	1	17	3	6	7	3	2	4	3	2	n	n	n	n	n	n	n	1	n
4	2	7	22	8	10	8	2	2	7	2	2	4	2	1	3	1	1	1	n	n	n	n	n	n	n	n
5	5	5	24	15	16	12	4	5	10	4	5	9	6	2	7	6	2	n	n	n	n	n	n	n	2	n
6	1	1	6	27	13	14	6	3	7	5	4	10	6	2	7	4	2	1	n	n	n	1	1	n	2	n
7	n	n	n	29	20	12	15	13	7	12	10	28	14	8	17	11	9	6	2	n	4	2	n	7	1	
8	n	n	n	3	9	9	23	22	5	17	13	35	33	15	28	25	25	16	11	4	13	7	2	12	4	
9	n	n	n	n	1	1	6	4	1	3	3	1	22	15	10	16	13	9	5	5	5	3	3	3	1	
10	n	n	n	n	n	1	2	2	n	1	n	n	n	10	42	2	20	9	6	8	7	3	2	4	2	1
11	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n	2	1	n	1	2	n	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	3	n	n	3	n	n	n
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n
58	29	7	2	n	1	3	n	1	11	3	5	n	n	n	1	n	n	n	n	n	1	n	n	1	1	

Land Segment	Hypothetical Spill Location																									
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	
1	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	n	1	n	n	1	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	1	1	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	2	n	n	2	1	2	1	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	1	n	n	2	2	3	1	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	1	5	2	n	3	5	8	2	6	n	2	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n
8	1	11	4	1	9	6	18	10	15	5	4	2	5	1	n	1	n	n	n	n	n	n	n	n	n	n
9	2	2	1	n	7	4	12	8	11	6	2	1	3	2	1	n	n	1	n	1	n	1	n	n	n	n
10	1	1	n	n	19	12	24	17	15	13	6	3	11	4	8	3	1	3	1	2	1	n	n	n	n	n
11	n	n	n	n	13	5	7	7	4	4	4	1	5	2	3	3	3	3	1	n	1	n	n	n	n	n
12	1	n	n	n	41	34	10	22	3	14	18	12	27	20	17	13	12	9	8	5	5	2	3	1	n	n
13	n	n	n	n	1	21	n	5	n	3	16	7	12	8	9	11	7	5	4	2	3	1	3	n	1	n
14	n	n	n	n	n	2	n	n	n	1	12	5	4	6	3	5	3	2	4	1	1	n	1	n	n	n
15	n	n	n	n	n	n	n	n	n	n	3	1	1	2	1	1	1	n	1	1	1	1	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	20	26	1	16	2	14	12	2	7	1	5	n	2	1	1	1
17	n	n	n	n	n	n	n	n	n	n	n	17	n	2	n	3	4	1	3	n	2	n	2	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	1	1	n	1	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	1	2	1	2	n	1	n	n	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
58	n	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																										
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75		
8	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
10	2	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
11	1	n	n	n	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
12	8	5	n	n	n	7	1	8	1	4	n	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	
13	5	3	n	n	n	5	1	3	1	2	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
14	3	1	n	n	n	3	1	2	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
15	1	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
16	16	7	n	n	1	12	5	13	6	7	4	4	2	2	n	n	n	n	n	n	n	n	n	n	2	1	
17	20	10	n	2	1	12	6	9	4	7	3	2	1	1	n	n	n	n	n	n	n	n	n	n	1	n	
18	7	2	n	1	n	3	3	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	
19	18	43	43	22	11	19	18	12	6	6	2	2	1	n	n	n	n	n	4	6	1	n	n	4	1	9	1
20	n	9	43	29	9	3	7	n	2	n	n	n	n	n	n	n	n	n	25	30	3	n	4	n	5	1	
21	n	1	9	9	8	1	5	1	n	n	n	n	n	n	n	n	n	n	32	22	3	n	2	1	4	2	
22	n	1	2	5	6	n	2	n	n	n	n	n	n	n	n	n	n	n	15	12	4	n	5	1	2	1	
23	n	1	1	8	13	1	1	n	n	n	n	n	n	n	n	n	n	n	18	11	27	3	15	4	7	4	
24	n	n	1	2	6	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	34	25	20	13	6	7	
25	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	17	2	5	n	4	
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	17	1	11	n	6		
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	8	3	12	1	5		
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	4	n	4		
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1		
43	n	n	n	n	n	n	n	n	n	n	n	1	1	1	2	2	1	n	n	n	n	n	n	n	n	n	
44	n	n	n	n	n	n	n	n	1	n	2	2	3	4	5	3	5	n	n	n	n	n	n	n	n	n	
45	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	1	1	n	n	n	n	n	n	n	n	n	
46	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	1	1	n	n	n	n	n	n	n	n	n	
49	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	
50	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	
55	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	1	1	n	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table C-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
17	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
23	1	n	n	1	n	n	n	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	n	n	n
24	6	1	n	3	n	n	2	1	n	n	3	n	n	n	3	n	n	n	3	1	n	n	3	1	n
25	4	n	n	1	1	n	2	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	1	n	n
26	11	1	1	6	2	n	3	1	1	n	3	1	n	n	2	1	n	n	1	1	n	n	n	1	n
27	29	5	2	18	7	3	6	4	3	1	4	3	1	1	4	1	1	1	3	1	n	n	2	2	n
28	13	4	2	11	7	4	5	5	2	1	3	1	2	1	1	1	1	1	1	1	1	1	1	2	n
29	4	61	38	17	46	38	13	28	30	16	5	14	19	14	5	4	8	9	3	2	4	5	1	2	1
30	n	14	35	n	6	17	1	5	10	9	n	3	8	7	n	1	6	4	n	n	2	2	n	n	1
31	n	n	14	n	1	14	n	4	13	7	n	2	7	10	n	n	3	5	n	n	2	3	n	n	n
32	n	n	n	n	n	3	n	1	4	8	n	1	3	4	n	n	3	3	n	n	1	2	n	n	n
33	n	n	n	n	n	1	n	n	4	18	n	1	4	7	n	n	2	3	n	n	1	2	n	n	n
34	n	n	n	n	n	n	n	n	1	8	n	n	1	3	n	n	1	1	n	n	1	1	n	n	n
35	n	n	n	n	n	n	n	n	1	6	n	n	1	4	n	n	2	1	n	n	1	1	n	n	n
36	n	n	n	n	n	n	n	n	1	5	n	n	2	9	n	1	1	5	n	n	1	2	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	1	5	n	n	2	16	n	n	1	12	n	n	1
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	4	n	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	E10	E102	E103	E104	E105	E106	E107	E108	E109	E110	E111	E112	E113	E114	E115	E116	E117	E118	E119	E120	E121	E122	E123	E124	E125
23	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	2	3	1	1	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	2	2	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	2	1	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	n	2	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	1	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
34	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
36	1	2	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	3	7	n	n	n	n	2	4	5	n	n	n	1	1	1	3	3	n	n	n	1	n	2	1	n
38	n	4	n	n	n	n	1	3	2	n	n	n	n	1	1	2	2	n	n	n	n	1	2	n	n
39	1	5	n	n	n	n	n	3	6	n	n	n	1	n	2	4	3	1	1	n	n	1	2	2	n
40	n	n	2	n	n	n	n	2	5	n	n	n	n	1	1	1	n	1	1	1	1	1	2	1	n
41	n	2	n	n	n	n	n	1	15	1	1	n	n	1	6	7	1	n	1	1	1	2	5	n	n
42	n	n	n	n	n	n	n	2	n	n	1	1	n	n	2	13	1	1	n	1	n	1	6	2	1
43	1	n	1	1	3	n	n	n	3	2	2	3	1	1	3	5	6	4	2	2	1	4	2	5	3
44	1	1	1	3	4	3	1	1	8	5	7	4	2	2	n	10	12	7	5	3	2	1	7	12	10
45	n	n	1	1	n	n	n	n	1	2	1	1	n	n	n	1	3	1	1	n	n	n	3	3	3
46	n	n	1	1	2	1	n	n	2	2	3	1	1	n	n	4	4	3	2	1	1	1	3	3	3
47	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	1	n	n	n	n	n	n	1	1
50	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	1	1	1	n	n	n	n	n	2	1
55	n	n	1	n	n	n	n	n	1	1	n	1	n	n	n	2	1	1	n	n	n	n	4	2	1

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																			
	E126	E127	E128	E129	E130	E131	E132	E133	E134	E135	E136	E137	E138	E139	E140	E141	E142	E143	E144	E145
13	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	2	n	3	1	2	1	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	2	1	2	1	1	1	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	1	1	1	1	1	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	7	4	4	2	1	2	1	1	n	1	n	n	n
20	n	n	n	n	n	n	n	4	1	1	1	1	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	3	2	1	1	n	1	n	1	n	n	n	n	n
22	n	n	n	n	n	n	n	1	2	n	1	n	1	n	1	n	n	n	n	n
23	n	n	n	n	n	n	n	4	3	1	1	n	2	n	1	n	1	n	1	n
24	n	n	n	n	n	n	n	1	6	n	2	n	2	n	1	n	1	n	1	1
25	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	2	n	1	n	n	n	1	n	1	n	n	n
27	n	n	n	n	n	n	n	n	2	n	1	n	1	n	n	n	1	n	n	n
28	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	n	n	n
29	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n
36	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	n	n	1	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
38	1	1	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
39	n	1	2	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
40	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	1	1	2	3	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n
42	n	n	1	3	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	1
43	5	3	1	2	2	5	3	n	n	n	n	n	1	n	1	n	1	n	2	3
44	6	5	2	2	6	16	12	n	n	1	1	2	1	2	n	4	1	5	2	8
45	2	n	n	n	1	2	3	n	n	n	n	n	n	n	n	1	n	n	1	1
46	2	2	n	n	3	6	4	n	n	n	n	n	n	1	n	1	1	3	1	2
47	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	1	n	n
50	n	n	n	n	1	1	2	n	n	n	n	n	n	n	n	n	n	n	n	1
51	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	n	4	2	1	n	n	1	n	n	n	1	1	1	1	2	1	1

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
1	3	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
2	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	22	3	1	2	n	1	1	n	n	n	n	n	n	n	n	n	n	n
4	13	2	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n
5	36	7	5	2	2	2	1	n	n	n	n	n	n	n	n	n	n	n
6	16	3	5	3	2	2	1	n	n	n	n	n	n	n	n	n	n	n
7	2	15	11	6	8	5	4	n	n	n	n	n	n	n	n	n	n	n
8	n	32	25	16	16	13	12	n	n	n	n	n	n	n	n	n	n	n
9	n	14	16	15	10	10	8	1	n	n	n	n	n	n	n	n	n	n
10	n	2	17	27	27	23	14	3	1	2	1	n	n	n	n	n	n	n
11	n	n	n	2	16	10	5	2	1	n	1	n	n	n	n	n	n	n
12	n	n	n	1	9	25	5	15	9	12	7	n	n	n	n	n	n	n
13	n	n	n	n	n	n	n	8	7	7	3	n	n	n	n	n	n	n
14	n	n	n	n	n	n	n	3	3	4	2	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	21	13	19	14	n	n	n	n	n	1	1
17	n	n	n	n	n	n	n	8	7	14	14	1	n	n	n	n	2	1
18	n	n	n	n	n	n	n	1	2	3	5	n	n	n	n	n	n	1
19	n	n	n	n	n	n	n	3	5	10	32	45	20	5	1	6	7	5
20	n	n	n	n	n	n	n	n	n	n	n	35	46	19	13	34	10	5
21	n	n	n	n	n	n	n	n	n	n	n	8	18	28	82	45	11	5
22	n	n	n	n	n	n	n	n	n	n	n	2	5	33	2	7	11	10
23	n	n	n	n	n	n	n	n	n	n	n	2	4	10	1	3	12	25
24	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	1	7	8
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
58	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
1	3	2	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
2	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
3	8	7	1	3	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
4	3	4	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
5	5	8	1	3	1	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
6	5	7	3	4	n	1	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
7	14	13	8	10	3	4	5	7	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
8	18	20	17	25	6	11	15	15	6	5	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
9	3	4	4	13	3	4	9	11	3	5	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
10	1	1	1	12	n	3	4	17	3	7	5	1	1	1	n	1	n	n	n	n	n	n	n	n	n	n					
11	n	n	n	n	n	n	n	1	1	1	2	2	3	8	1	2	n	1	1	n	n	n	n	n	n	n					
12	n	n	n	n	n	n	n	n	n	1	3	3	8	6	1	5	7	n	1	1	5	n	2	2	n	n					
13	n	n	n	n	n	n	n	n	n	n	n	1	3	7	4	1	2	3	n	n	1	3	n	1	2	1					
14	n	n	n	n	n	n	n	n	n	n	n	n	1	3	3	1	2	2	n	1	1	2	n	2	n	n					
15	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n					
16	n	n	n	n	n	n	n	n	n	n	n	n	n	10	5	3	5	11	1	2	7	8	2	6	9	n					
17	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3	1	2	5	n	1	4	11	1	6	8	n					
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	3	n	2	2	n	1					
19	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	1	4	4	n	1	1	17	1	15	27	8					
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	2	3	9	4					
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	15	5					
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	13					
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	17					
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n					
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n					
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n					
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	4	4	2	n	2	n	n	n					
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n					
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n					
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n					
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n	n					
58	1	1	2	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table C-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
1	65	23	7	2	5	2	2	13	n	1	4	n	1	2	1	n	n	n	n	1	1	1	1	n	n
2	6	14	6	2	8	2	1	17	1	1	4	n	1	2	n	1	1	n	n	n	n	1	1	n	n
3	5	13	10	17	29	4	2	39	1	7	20	3	5	10	1	4	3	1	n	n	n	4	5	1	2
4	n	8	4	16	9	5	1	13	2	3	10	3	4	8	1	2	2	n	n	n	n	3	4	1	n
5	1	8	6	59	21	7	2	14	3	13	22	5	5	12	3	5	5	1	n	n	n	6	8	2	n
6	n	3	4	4	12	6	2	n	6	16	20	5	6	11	2	6	6	1	1	1	1	6	5	3	3
7	n	1	12	n	7	17	10	n	37	58	19	33	22	28	7	16	14	10	1	1	1	16	18	10	14
8	n	1	11	n	2	18	22	n	50	n	n	51	57	21	14	32	28	17	9	5	4	33	39	24	21
9	n	n	2	n	n	4	4	n	n	n	n	n	n	1	24	22	14	10	6	2	n	26	9	12	8
10	n	n	n	n	n	2	1	n	n	n	n	n	n	n	47	7	7	9	3	1	n	4	n	5	3
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	1
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n
58	23	24	7	n	3	2	2	3	n	n	1	n	n	n	n	n	n	n	n	1	1	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
1	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	n	n	n	n	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	1	2	1	n	5	n	2	n	1	n	1	1	n	n	n	n	n	n	n	1	1	n	1	n	n
4	n	n	1	n	2	n	1	n	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
5	1	1	1	1	6	n	3	1	2	1	1	1	1	1	n	n	n	1	n	1	1	1	1	n	n
6	1	2	2	2	6	2	2	1	2	4	2	2	1	2	1	1	n	n	n	1	1	n	1	n	n
7	6	5	7	11	12	1	8	1	4	9	2	3	3	3	2	2	1	1	1	2	3	1	2	1	n
8	17	15	12	18	25	6	16	4	11	19	7	6	5	4	8	11	7	6	3	4	7	3	7	3	2
9	6	4	3	12	18	5	12	5	10	12	5	6	1	5	9	10	5	6	4	2	4	2	2	3	1
10	5	3	1	7	13	46	52	15	22	18	13	13	8	8	14	16	6	12	14	5	9	4	9	13	8
11	n	n	n	n	n	39	4	42	13	6	8	6	2	5	6	5	2	7	5	2	6	2	5	6	3
12	n	n	n	n	n	n	n	30	30	3	59	36	22	21	19	6	2	20	8	14	25	10	24	24	12
13	n	n	n	n	n	n	n	n	n	n	n	19	46	14	2	1	n	5	2	20	18	8	12	12	6
14	n	n	n	n	n	n	n	n	n	n	n	6	17	n	n	n	n	1	19	9	6	7	4	2	
15	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	19	3	3	3	1	n	
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	2	53	12	n	1	
58	1	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																									
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
3	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	1	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	1	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	3	2	1	n	n	1	n	1	1	1	n	n	n	n	n	n	n	n	n	n	1	n	n	n
8	4	1	7	5	5	1	n	1	2	5	4	1	1	1	1	n	2	n	n	n	n	n	1	n	n	n
9	3	1	3	6	2	1	n	2	1	2	3	3	1	1	1	n	1	n	n	n	n	n	2	n	n	n
10	3	n	8	15	7	5	2	9	3	7	9	7	7	2	2	1	6	1	n	n	n	n	5	2	1	
11	1	n	4	8	5	3	2	3	1	4	5	4	3	2	n	n	3	1	n	1	n	n	3	3	2	
12	2	1	22	20	22	17	12	22	6	18	22	22	14	6	3	1	19	11	5	4	1	n	18	14	7	
13	n	n	14	9	13	8	6	9	5	14	13	11	6	4	2	n	11	6	4	3	n	n	12	6	5	
14	n	n	12	1	7	5	3	4	3	8	7	4	2	1	1	n	5	3	2	n	1	n	5	2	3	
15	n	n	5	n	2	1	1	n	1	2	2	1	n	n	n	n	2	n	n	1	n	n	1	1	1	
16	n	n	9	n	12	5	7	2	58	17	4	2	1	1	n	1	10	16	11	7	2	n	4	9	4	
17	n	n	n	n	n	1	n	1	5	n	n	n	n	n	n	n	1	6	6	2	1	n	1	3	3	
18	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	2	n	1	n	n	1	n	
19	n	n	n	n	n	1	1	n	n	n	n	n	1	n	n	n	n	5	7	2	1	n	1	1	1	
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	2	n	n	
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	3	3	n	n	n	
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
6	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	1	n	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	3	2	2	1	1	3	1	1	1	n	n	n	n	n	1	1	1	n	2	1	1	1	1
9	n	n	4	2	2	1	2	2	3	n	1	n	n	n	n	n	n	n	n	n	1	1	1	n	n
10	1	n	13	3	6	3	4	4	3	1	3	1	n	n	n	n	1	1	1	1	3	1	2	1	2
11	n	n	4	3	5	2	3	3	3	2	1	1	n	n	n	n	n	1	n	1	2	1	1	n	1
12	3	1	12	17	22	12	17	17	20	4	14	7	2	n	n	n	1	4	9	6	11	5	14	3	7
13	3	1	7	11	12	6	8	11	9	3	6	4	1	n	n	n	1	2	5	3	6	4	7	3	5
14	3	1	1	5	5	4	5	5	5	1	5	2	1	1	n	n	n	3	3	3	5	1	4	1	2
15	1	n	n	2	2	1	1	2	1	1	1	n	n	n	n	n	n	n	1	1	1	1	1	1	1
16	2	2	1	32	10	30	19	27	18	12	26	15	6	4	n	n	5	13	20	11	26	12	18	9	15
17	2	n	n	3	n	21	3	1	1	59	19	16	4	1	n	n	31	35	21	15	24	20	17	16	32
18	n	n	n	n	n	n	1	n	n	5	1	14	2	n	n	n	53	17	7	5	3	10	3	11	11
19	1	1	n	n	n	n	1	n	n	2	1	10	5	1	1	n	4	12	10	26	1	35	3	46	12
20	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	1	n	n	n	n	n	n	n	n
44	n	1	n	n	n	n	n	n	n	n	n	n	n	1	3	4	5	n	n	n	n	n	n	n	n
45	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n
55	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
8	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	6	3	4	1	1	2	1	n	n	n	n	1	1	n	n	1	n	n	n	n	n	n	n	n	n
13	3	1	3	n	n	1	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
14	2	1	3	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
15	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
16	12	6	10	n	3	5	6	n	n	n	1	1	3	2	2	2	2	n	n	n	n	n	n	n	
17	18	6	12	n	2	6	3	n	n	1	2	2	2	4	1	2	1	n	n	n	n	n	n	n	
18	4	1	2	n	n	1	n	n	n	n	1	2	1	n	1	1	n	n	n	n	n	n	n	n	
19	39	73	45	77	38	21	5	78	46	26	16	17	15	8	2	36	13	68	65	19	2	3	1	1	
20	n	n	1	12	26	8	1	17	36	32	17	12	8	4	n	29	16	27	27	34	13	12	1	n	
21	n	n	n	4	7	3	n	3	9	11	13	9	5	2	n	6	13	3	4	16	80	15	1	n	
22	n	n	n	n	3	2	n	1	1	5	7	6	3	1	n	3	8	n	1	6	2	18	1	n	
23	n	n	n	1	3	1	n	1	2	5	8	7	4	1	n	4	10	n	1	7	1	29	11	1	
24	n	n	n	n	1	n	n	n	1	1	4	4	2	n	n	1	5	n	n	2	n	9	39	13	
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	11	
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	17	
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	20	
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
44	n	n	n	n	n	n	1	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	

Land Segment	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
16	n	n	1	n	n
17	n	n	2	n	n
18	n	n	1	n	n
19	n	3	7	1	2
20	n	3	6	n	2
21	n	3	3	1	1
22	n	2	4	1	1
23	1	19	9	3	5
24	2	28	9	18	13
25	1	2	2	13	5
26	4	2	1	12	5
27	12	2	1	8	5
28	9	n	n	2	2
29	13	n	n	1	1

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-3. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in winter season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
1	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	5	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
3	8	1	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n
4	4	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
5	7	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
6	5	1	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n
7	6	3	1	n	3	n	n	n	n	n	2	n	n	n	n	n	n	n
8	4	6	2	n	3	2	1	n	n	n	2	1	n	n	n	n	n	n
9	1	1	n	n	1	1	1	n	n	n	1	1	1	n	n	n	n	n
10	n	1	1	n	n	n	1	n	n	n	1	n	1	n	n	n	n	1
11	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1
12	n	n	n	3	1	n	2	1	1	n	n	1	1	n	n	n	n	3
13	n	n	n	1	n	n	1	n	n	n	n	n	1	1	n	n	n	2
14	n	n	n	n	n	n	n	1	1	1	n	n	n	1	n	n	n	1
16	n	n	n	2	n	n	1	1	1	n	n	n	1	n	1	n	n	3
17	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	3
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
19	n	n	n	1	n	n	n	1	2	2	n	n	n	n	1	3	2	4
20	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	1	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
42	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
43	n	n	n	n	n	n	1	1	2	2	1	1	1	2	1	n	6	n
44	n	n	n	n	n	1	2	5	4	3	4	4	5	8	7	7	11	n
45	n	n	n	n	n	n	1	1	1	1	n	1	1	2	1	1	2	n
46	n	n	n	n	n	1	1	1	1	1	1	1	2	2	1	1	6	n
48	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
49	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	3	n	n
50	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	2	n
51	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n
55	n	n	n	n	n	n	n	1	1	1	2	2	2	1	1	1	n	n
58	6	6	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n

Notes: ** = Greater than 99.5 percent; n = less than 0.5 percent.
 Rows with all values less than 0.5 percent are not shown.

Table C-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	1	9	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	3	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	3	17	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	16	10	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	6	34	4	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	17	3	n	n	n	n	n	n	32	7	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	n	n	5	13	1	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	15	18	n	1	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	n	n	n	13	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
58	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Land Segment	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
11	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	35	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	1	24	n	1	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	3	n	n	n	n	10	n	1	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	21	20	3	6	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	16	n	1	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
Land Segment	Hypothetical Spill Location																								
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75
16	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	6	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	23	29	9	1	n	4	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	n	n	12	3	n	n	n	n	n	n	n	n	n	n	n	n	8	4	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	22	3	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	3	2	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	3	16	n	2	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	19	10	1	n	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n	1	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14	n	1	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	2	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
26	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27	19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	8	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	1	26	3	5	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	7	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	n	n	9	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	n	n	n	1	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	n	8	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
36	n	n	n	n	n	n	n	n	n	1	n	n	n	7	n	n	n	1	n	n	n	n	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	1	16	n	n	n	4	n	n	n
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	5	n	n	n

Land Segment	Hypothetical Spill Location																								
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125
38	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40	n	3	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	n	n	n	n	n	n	1	16	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
42	n	n	n	n	n	n	n	2	n	n	n	n	n	1	7	n	n	n	n	n	n	n	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	1	n	n	n

Land Segment	Hypothetical Spill Location																								
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145					

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
4	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	9	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	2	16	10	1	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	7	16	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	2	n	n	6	3	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	6	23	7	n	n	n	n	n	n
20	n	n	n	n	n	n	n	n	n	n	4	10	3	4	13	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	2	13	76	25	1	1	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	30	1	2	1	4
23	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	11

Land Segment	Hypothetical Spill Location																										
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31	
9	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	12	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	3	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n

Land Segment	Hypothetical Spill Location																									
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E	
1	26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	2	n	n	1	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	n	n	3	1	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	n	52	3	n	n	7	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	24	3	n	n	5	1	3	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	6	1	n	n	1	24	54	20	14	6	2	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	n	n	n	n	n	72	29	9	74	66	12	1	n	n	n	n	n	n	n	3	3	n	n
9	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	8	5	n	n	n	n	n	16	3	n	n
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	54	5	n	n	n	n	n	n	8	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
10	n	n	n	n	1	20	23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	59	8	31	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	35	23	n	57	14	2	1	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	n	n	n	n	n	28	47	8	n	n	n	n	n	n	5	4	n	1	n
14	n	n	n	n	n	n	n	n	n	n	n	n	18	15	n	n	n	n	n	19	11	n	3	1	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n	n	n	n	n	25	1	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	68	11	n	n
Land Segment	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
13	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	8	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	7	n	12	n	n	n	61	24	4	n	n	n	n	n	2	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Land Segment	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
16	n	n	n	29	7	12	3	25	7	1	6	n	n	n	n	n	n	n	n	11	n	2	n	n	
17	n	n	n	5	n	33	n	1	n	53	21	6	n	n	n	n	17	9	6	1	31	2	8	n	10
18	n	n	n	n	n	n	n	n	n	8	2	8	n	n	n	n	57	14	5	n	4	3	2	4	10
19	n	n	n	n	n	n	n	n	n	2	n	6	n	n	n	n	5	18	9	5	n	49	1	62	15

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-4. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
17	3	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	35	69	32	46	3	n	n	49	7	1	n	n	n	n	n	2	n	35	34	n	n	n	n	n	n
20	n	n	n	1	n	n	n	3	4	2	n	n	n	n	n	1	n	7	6	2	5	1	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	72	6	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	11	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	15	1	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	17	1	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	4	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	8	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	9
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5

Land Segment	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
23	n	4	n	n	n
24	n	5	n	3	n
25	n	n	n	3	n
26	n	n	n	3	n
28	1	n	n	n	n
29	1	n	n	n	n

Land Segment	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1	11	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	8	4	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	8	22	8	n	1	1	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	4	11	13	2	2	3	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	8	15	24	5	6	5	n	n	5	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
6	7	13	25	15	10	7	1	n	3	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
7	3	11	22	44	23	12	3	1	4	n	n	14	3	n	3	n	1	n	n	n	n	n	n	n	n
8	1	2	4	32	23	11	13	3	4	1	n	53	22	2	22	6	4	1	n	n	n	n	n	n	n
9	n	n	n	n	3	n	2	1	n	n	n	11	20	5	9	6	7	2	n	n	n	n	n	n	n
10	n	n	n	n	1	n	1	n	n	n	n	5	26	33	3	22	6	n	1	n	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	n	n	n	5	25	n	4	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	1	n	n	n	n	n	n	n	n	n
58	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
9	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	5	n	10	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	9	1	8	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	56	33	16	24	2	7	8	1	13	1	4	1	n	n	n	n	n	n	n	n	n
13	n	n	n	n	2	34	2	11	n	3	16	2	16	3	7	2	n	1	n	n	n	n	n	n	n
14	n	n	n	n	n	5	n	1	n	n	19	2	10	5	4	1	1	1	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	1	n	n	6	n	3	n	n	1	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	26	38	6	30	4	19	11	1	3	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	23	n	4	n	2	3	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	8	n	1	n	1	1	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table C-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																										
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75		
14	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
16	13	4	n	n	n	12	1	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
17	13	9	n	n	n	11	3	7	1	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
18	8	4	n	n	n	3	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
19	40	39	13	4	1	21	11	8	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
20	n	3	35	9	1	n	2	n	n	n	n	n	n	n	n	n	n	n	n	13	15	n	n	n	n	n	
21	n	n	5	9	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	38	19	2	n	1	n	n	
22	n	n	n	3	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	18	12	4	n	1	n	1	
23	n	n	1	3	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	11	26	2	13	1	2	
24	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	32	30	10	14	2	
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	13	1	8	n	2	
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	24	n	15	n	2	
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	9	n	6	
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	
Land Segment	Hypothetical Spill Location																										
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100		
24	3	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
25	4	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
26	15	n	n	6	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
27	43	3	n	21	5	n	4	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
28	11	3	n	14	5	n	4	2	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
29	2	58	24	11	36	18	4	12	8	1	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	
30	n	12	40	n	4	19	n	1	7	4	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	
31	n	1	15	n	2	25	n	1	9	7	n	n	3	2	n	n	n	n	n	n	n	n	n	n	n	n	
32	n	n	n	n	n	5	n	n	8	11	n	n	2	5	n	n	n	n	1	n	n	n	n	n	n	n	
33	n	n	n	n	n	1	n	n	6	23	n	n	4	8	n	n	1	2	n	n	n	n	n	n	n	n	
34	n	n	n	n	n	1	n	n	3	12	n	n	1	7	n	n	n	2	n	n	n	n	n	n	n	n	
35	n	n	n	n	n	n	n	n	2	14	n	n	3	10	n	n	2	3	n	n	n	n	n	n	n	n	
36	n	n	n	n	n	n	n	n	2	n	n	2	13	n	n	2	7	n	n	1	n	n	4	n	n	n	
37	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	2	24	n	n	3	19	n	n	n	1		
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	10	n	n	n	n		
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125
36	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	S	9	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
38	1	12	n	n	n	n	1	5	4	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n
39	1	11	n	n	n	n	n	8	10	n	n	n	n	2	4	2	n	n	n	n	n	1	n	n	n
40	n	4	n	n	n	n	n	2	9	n	n	n	n	2	5	2	n	n	n	n	n	1	1	n	n
41	n	n	n	n	n	n	n	3	26	n	n	n	n	1	17	12	n	n	n	n	1	8	4	n	n
42	n	n	n	n	n	n	n	2	n	n	n	n	n	4	22	n	n	n	n	n	1	10	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	6	n	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	3	n

Land Segment	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
19	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
41	n	1	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
42	n	n	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
44	n	n	n	n	3	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n
46	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	26	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	7	17	11	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	17	11	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	10	24	22	11	6	3	n	n	n	n	n	n	n	n	n	n	n
11	n	n	3	6	19	9	2	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	3	16	37	2	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	27	14	20	8	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	10	7	16	14	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	1	1	5	9	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	2	2	14	42	11	1	n	n	n	n	n
20	n	n	n	n	n	n	n	n	n	n	n	23	25	10	7	23	5	2
21	n	n	n	n	n	n	n	n	n	n	n	4	16	29	86	47	8	4
22	n	n	n	n	n	n	n	n	n	n	n	1	4	36	2	5	9	10
23	n	n	n	n	n	n	n	n	n	n	n	n	1	6	n	1	10	22
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	3

Land Segment	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
5	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
6	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
7	n	5	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
8	4	12	n	10	n	n	1	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
9	n	1	n	8	n	n	1	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
10	n	1	n	18	n	n	n	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
11	n	n	n	2	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
14	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n					
16	n	n	n	n	n	n	n	n	n	n	n	n	n	8	4	n	n	3	n	n	n	4	n	2	4	n					
17	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	1	3	n	n	n	5	n	3	6	n					
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	2	5	n	n					
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	13	n	7	23	n	1					
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n					
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n					
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	16	n					
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14	n					
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n					

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
1	34	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	8	2	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	11	5	n	1	4	n	n	15	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	5	3	1	5	5	n	n	13	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	8	6	1	53	15	n	n	17	n	1	8	n	n	1	n	n	n	n	n	n	n	n	n	n	n
6	5	4	n	28	12	1	n	18	1	6	17	1	2	5	n	n	n	n	n	n	n	n	n	n	n
7	2	4	1	11	25	3	n	22	25	56	34	16	10	18	n	n	1	n	n	n	n	3	6	1	1
8	n	3	n	1	13	6	1	2	74	37	30	82	76	43	5	13	11	2	n	n	n	18	27	6	8
9	n	n	n	n	n	1	n	n	n	n	n	1	6	7	11	17	14	3	n	n	n	24	13	7	3
10	n	n	n	n	n	n	n	n	n	n	n	n	1	1	64	21	6	4	n	n	n	23	10	3	n
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	5	1	n	n	n	n	5	1	n	n
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
58	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
8	1	n	n	3	9	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	1	n	n	5	13	1	5	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	2	15	24	38	4	6	8	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	2	67	21	38	12	6	4	2	n	n	n	2	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	2	6	44	39	3	77	38	15	18	17	4	n	14	4	5	16	2	11	11	4
13	n	n	n	n	n	n	n	n	1	1	1	36	54	18	6	1	n	7	1	18	23	4	15	17	4
14	n	n	n	n	n	n	n	n	n	n	n	1	21	19	1	n	n	2	1	25	20	7	15	9	1
15	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	5	1	73	16	2	n

Land Segment	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
11	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	11	16	7	2	n	5	n	2	7	5	3	n	n	n	1	n	n	n	n	n	3	n	n
13	n	n	21	12	12	5	1	10	n	6	15	12	4	n	n	n	5	n	n	n	n	n	8	n	n
14	n	n	19	4	14	5	1	6	2	5	12	6	2	n	n	n	5	n	n	n	n	n	5	1	n
15	n	n	7	1	3	1	n	1	n	1	2	2	n	n	n	n	1	n	n	n	n	n	1	n	n
16	n	n	11	n	21	7	3	3	76	49	14	3	1	n	n	n	22	11	3	1	n	n	10	6	1
17	n	n	n	n	n	n	n	9	3	n	n	n	n	n	n	n	1	9	5	n	n	n	n	1	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	3	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																									
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V	
12	n	n	7	1	3	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
13	n	n	5	2	7	2	2	2	2	n	1	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
14	n	n	2	3	6	1	3	3	5	n	1	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n
15	n	n	n	1	2	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	57	31	35	31	53	33	7	30	7	n	n	n	n	2	4	11	9	28	3	29	1	7	
17	n	n	n	11	2	38	6	5	2	59	27	16	n	n	n	n	21	16	19	17	37	7	18	3	18	
18	n	n	n	n	n	1	n	1	n	11	3	13	n	n	n	n	58	21	12	5	6	10	6	9	16	
19	n	n	n	n	n	3	1	1	1	11	5	21	1	n	n	n	12	41	26	28	7	70	4	80	37	
Land Segment	Hypothetical Spill Location																									
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC	
14	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
16	8	4	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
17	11	4	8	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
18	7	2	4	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
19	54	75	49	50	8	13	3	53	11	3	2	3	5	2	n	6	1	42	39	1	n	n	n	n	n	
20	n	n	n	n	9	12	1	n	17	27	9	4	3	1	n	n	13	3	27	22	11	9	6	n	n	
21	n	n	n	n	1	1	n	n	2	5	4	5	3	1	n	n	1	5	3	4	10	81	16	1	n	
22	n	n	n	n	2	n	n	n	1	2	2	1	n	n	n	2	5	n	n	7	2	18	n	n	n	
23	n	n	n	n	n	n	n	n	1	2	3	2	n	n	n	1	4	n	1	5	n	24	7	1	n	
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	9	41	16	3	
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	13	2	
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	26	15	
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	18	40	
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	12	
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-5. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	<u>Hypothetical Spill Location</u>				
	6AC	7AC	8AC	9AC	10AC
21	n	1	n	n	n
22	n	2	1	n	n
23	n	15	3	1	1
24	n	18	2	28	11
25	1	n	n	12	4
26	4	n	n	10	6
27	15	n	n	2	3
28	10	n	n	n	n
29	4	n	n	n	n

Land Segment	<u>Hypothetical Spill Location</u>																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1
17	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	2
18	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	1
19	n	n	n	n	n	n	n	n	2	n	n	n	n	n	1	n	n	4
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1	13	3	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	9	5	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	12	24	9	n	1	1	n	n	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	6	12	13	2	2	3	n	n	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	12	16	24	5	7	6	n	n	9	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
6	13	16	25	15	10	10	2	1	5	1	n	2	n	n	1	n	n	n	n	n	n	n	n	n	n
7	14	16	23	44	26	16	7	4	10	3	4	14	3	n	7	1	2	2	1	n	n	n	n	1	n
8	9	6	5	32	31	24	25	16	17	14	9	55	24	4	29	11	13	10	4	1	7	3	1	7	3
9	2	1	n	1	6	5	8	7	4	5	4	12	21	5	13	9	12	11	5	2	7	4	1	4	3
10	1	n	n	1	3	3	7	4	4	3	2	9	28	35	13	27	14	7	11	6	4	6	5	2	3
11	n	n	n	n	1	1	2	3	1	1	n	2	10	28	7	10	6	3	3	4	1	2	3	n	1
12	n	n	n	n	n	1	1	1	n	1	1	1	5	15	3	11	6	4	9	16	2	5	10	2	2
13	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	3	1	7	9	2	3	6	n	1
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	7	n	1	5	n	1
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n
58	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
5	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	1	6	3	1	1	n	3	n	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	1	2	1	1	1	n	2	2	6	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	4	1	n	2	7	3	19	4	16	6	1	n	2	1	1	n	n	1	n	1	n	1	n	n	n
11	2	n	n	1	13	4	15	7	7	6	2	1	3	1	2	1	n	1	1	1	n	1	n	n	n
12	5	1	1	1	64	41	29	44	15	28	14	5	30	9	26	9	7	19	7	13	5	8	5	3	2
13	3	n	2	2	4	38	6	19	8	15	20	3	24	11	21	12	9	15	7	11	7	6	6	2	3
14	3	n	1	1	n	7	1	3	1	7	21	4	13	9	11	7	9	6	8	5	5	2	1	n	2
15	n	n	n	n	n	1	n	2	1	1	7	1	4	2	3	2	1	2	2	1	1	1	1	n	n
16	1	n	n	2	n	n	n	n	n	2	27	41	9	41	8	32	27	11	20	9	17	5	12	n	5
17	n	n	n	n	n	n	n	n	n	n	n	23	n	6	n	6	8	1	7	1	6	1	5	1	2
18	n	n	n	n	n	n	n	n	n	n	n	6	n	1	n	1	2	n	2	n	2	n	1	n	n
19	n	n	n	n	n	n	n	n	n	n	n	11	n	3	1	5	7	n	6	n	4	1	3	n	2

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																										
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75		
12	2	1	n	n	n	2	n	2	n	2	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n		
13	2	2	n	n	n	2	n	1	n	1	n	2	n	2	n	1	n	n	n	n	n	n	n	n	n		
14	1	1	n	n	n	1	n	2	1	3	n	2	n	2	n	1	n	n	n	n	n	n	n	n	n		
15	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
16	16	8	n	n	n	21	5	17	5	14	4	11	3	5	1	4	n	n	n	n	n	n	n	1	n		
17	14	10	1	n	1	16	8	14	6	10	5	8	2	4	2	2	n	n	n	n	n	n	n	n	n		
18	9	4	n	1	n	4	3	5	3	2	2	2	1	1	1	1	n	n	n	n	n	n	n	n	n		
19	44	41	14	5	5	30	22	18	14	9	7	3	5	1	3	1	n	n	n	1	n	n	n	3	n		
20	n	5	41	15	5	n	7	1	2	n	1	n	n	n	n	n	n	16	17	1	n	1	n	3	n		
21	n	2	14	18	10	n	3	n	1	n	n	n	n	n	n	n	n	40	25	3	n	3	n	5	n		
22	n	1	3	8	9	n	2	n	1	n	n	n	n	n	n	n	n	20	15	4	n	4	n	7	1		
23	n	1	5	11	16	n	2	n	1	n	n	n	n	n	n	n	n	16	15	31	4	20	4	9	4		
24	n	n	2	4	7	n	1	n	1	n	n	1	n	n	n	n	n	2	5	37	33	19	23	8	17		
25	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	14	2	11	2	6		
26	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	26	4	19	3	13		
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	7	1	13	1	14		
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	6		
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1		
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	
41	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	
42	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	4	n	n	n	n	n	n	n	n	n	

Land Segment	Hypothetical Spill Location																										
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100		
23	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	
24	6	n	1	4	1	n	4	1	n	n	4	1	n	n	4	1	n	n	3	n	n	n	2	n	n	n	
25	5	1	1	4	n	n	2	n	n	n	2	1	n	n	2	n	n	n	1	n	n	n	1	n	n	n	
26	18	2	n	11	3	n	10	3	1	n	6	3	n	n	6	2	1	n	2	1	n	n	1	1	n	n	
27	46	7	1	29	12	2	20	11	2	n	12	9	2	n	6	5	3	1	6	2	2	1	3	2	2	2	
28	12	5	1	18	10	2	13	8	2	1	8	7	2	1	6	4	1	1	2	1	2	1	1	1	n	n	
29	2	65	32	14	46	32	13	38	29	8	10	27	26	13	6	14	20	13	4	5	12	12	3	2	4	4	
30	n	13	44	n	7	26	1	7	18	13	2	6	13	11	1	3	10	8	1	2	5	5	n	1	2	2	
31	n	3	17	1	6	27	2	9	17	13	2	5	16	11	1	4	10	7	n	2	7	7	n	n	4	4	
32	n	n	n	n	1	5	1	2	11	11	1	3	9	10	n	3	7	6	n	1	5	4	n	n	3	3	
33	n	n	n	n	n	1	n	1	7	23	1	5	7	14	n	3	8	11	n	1	5	6	n	n	3	3	
34	n	n	n	n	n	1	n	n	4	13	n	1	4	9	n	1	4	5	n	1	3	6	n	n	1	1	
35	n	n	n	n	n	n	n	n	2	14	n	1	5	12	1	2	6	7	n	1	5	4	n	n	3	3	
36	n	n	n	n	n	n	n	n	n	2	n	n	3	13	n	1	4	8	n	1	5	6	n	1	3	3	
37	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	2	24	n	1	5	21	n	1	5	5	
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	11	n	n	1	1	
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																									
	E101	E102	E103	E104	E105	E106	E107	E108	E109	E110	E111	E112	E113	E114	E115	E116	E117	E118	E119	E120	E121	E122	E123	E124	E125	
24	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
26	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
27	1	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
28	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
29	9	9	2	1	1	3	5	4	n	n	n	1	1	1	1	n	n	n	n	1	n	n	n	n	n	
30	4	4	n	n	1	1	1	2	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	
31	6	3	n	n	1	3	2	1	n	n	n	1	1	1	1	n	n	n	n	n	n	n	n	n	n	
32	4	5	n	n	1	2	3	1	n	n	n	1	1	n	n	n	n	n	1	2	n	1	n	n	n	
33	5	5	n	n	1	3	4	2	n	n	n	1	3	2	1	n	n	n	n	1	1	1	n	n	n	
34	2	2	n	n	n	2	3	n	n	n	n	1	1	2	n	n	n	n	n	1	n	n	n	n	n	
35	4	4	n	n	n	3	3	2	n	n	n	1	2	1	1	n	n	n	n	1	1	n	n	n	n	
36	4	5	n	n	1	3	4	4	n	n	n	1	4	3	2	n	n	n	1	3	3	1	n	n	n	
37	13	13	n	1	5	10	10	7	n	1	3	8	9	9	5	1	2	1	3	8	8	5	n	n	1	
38	1	13	n	n	n	3	8	6	n	n	1	3	8	7	5	1	2	1	4	7	7	6	n	2	2	
39	1	12	n	n	n	1	10	13	1	n	n	1	5	8	7	2	1	2	2	5	7	4	1	2	3	
40	n	4	n	n	n	n	3	9	n	n	n	n	3	7	5	1	2	1	1	2	5	6	n	1	3	
41	n	n	n	n	n	n	3	27	2	n	n	n	n	2	18	18	4	3	n	n	3	14	15	2	4	4
42	n	n	n	n	n	n	n	2	n	n	n	n	n	4	24	2	1	n	n	n	2	17	1	2	1	
43	n	n	n	n	n	n	n	n	3	n	n	n	n	n	4	6	2	n	n	n	n	7	5	5	1	
44	n	n	1	n	n	n	n	n	5	1	n	n	n	n	n	11	3	n	n	n	n	n	12	11	1	
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	1	1	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
16	n	n	n	n	n	n	n	2	n	1	n	1	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	2	n	2	n	1	n	1	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	1	n	n	n	n
19	n	n	n	n	n	n	n	7	1	8	1	4	1	2	1	2	n	n	n	n
20	n	n	n	n	n	n	n	5	1	3	2	2	1	n	1	n	n	n	n	n
21	n	n	n	n	n	n	n	4	1	3	2	1	2	n	1	n	n	n	n	n
22	n	n	n	n	n	n	n	5	1	1	2	1	1	1	1	n	1	n	n	n
23	n	n	n	n	n	n	n	6	4	3	3	2	4	1	1	1	1	n	n	n
24	n	n	n	n	n	n	n	3	12	2	8	1	6	1	3	1	1	n	1	n
25	n	n	n	n	n	n	n	5	n	n	1	n	1	n	n	n	1	n	n	n
26	n	n	n	n	n	n	n	1	8	n	4	n	3	1	2	n	1	n	n	n
27	n	n	n	n	n	n	n	1	12	1	7	1	6	1	4	n	1	1	n	n
28	n	n	n	n	n	n	n	n	5	1	2	n	3	n	1	1	1	n	1	n
29	n	n	n	n	n	n	n	n	2	n	2	n	1	n	1	n	1	n	n	n
33	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
36	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	3	6	8	7	1	1	2	n	n	n	n	n	n	n	n	n	n	n	n	1
38	2	4	6	6	2	1	1	n	n	n	n	n	n	n	n	n	n	n	1	1
39	2	6	4	7	1	2	4	n	n	n	n	n	n	n	1	n	1	1	1	1
40	1	3	5	4	1	2	2	n	n	n	n	n	n	n	n	n	1	1	3	3
41	1	2	10	13	2	3	6	n	n	n	n	n	n	n	n	n	n	4	2	4
42	n	n	3	9	1	3	3	n	n	n	n	n	n	n	n	n	n	1	1	1
43	n	n	n	2	6	4	2	n	n	n	n	n	n	n	n	n	n	3	1	5
44	n	n	n	n	13	8	3	n	n	n	n	n	n	n	n	1	n	6	2	10
46	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table C-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	27	6	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	9	23	16	6	1	1	3	n	n	n	n	n	n	n	n	n	n	n
9	1	21	14	5	4	3	4	n	n	n	n	n	n	n	n	n	n	n
10	n	18	31	29	17	13	16	n	n	n	n	n	n	n	n	n	n	n
11	n	5	8	12	22	12	5	n	n	n	n	n	n	n	n	n	n	n
12	n	2	4	13	28	47	17	6	3	4	2	n	n	n	n	n	n	n
13	n	1	n	4	4	3	10	6	5	4	2	n	n	n	n	n	n	n
14	n	n	n	n	n	n	2	6	3	3	2	n	n	n	n	n	n	n
15	n	n	n	n	n	n	1	1	1	1	1	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	42	28	30	14	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	14	16	20	15	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	2	3	5	9	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	4	10	18	46	12	2	n	n	n	2	2
20	n	n	n	n	n	n	n	n	n	n	n	30	31	12	8	26	8	5
21	n	n	n	n	n	n	n	n	n	n	n	12	26	32	87	51	14	7
22	n	n	n	n	n	n	n	n	n	n	n	5	7	37	2	7	13	14
23	n	n	n	n	n	n	n	n	n	n	n	5	6	8	1	3	17	28
24	n	n	n	n	n	n	n	n	n	n	n	4	4	1	n	1	5	6
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table C-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

		Hypothetical Spill Location																														
Land Segment		S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
5		2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
6		3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
7		5	10	1	3	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
8		14	23	9	16	5	6	10	7	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
9		7	8	5	11	2	5	10	7	2	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
10		5	8	3	25	2	5	7	23	8	8	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
11		1	1	1	7	1	2	3	9	2	5	3	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n					
12		1	1	2	2	2	3	5	8	7	13	11	9	7	6	1	3	3	n	n	n	n	1	n	1	1	n					
13		n	n	n	n	n	1	2	2	2	5	5	8	9	9	6	5	3	3	n	n	n	1	n	n	n	n					
14		n	n	n	n	n	n	n	n	1	2	4	5	3	7	6	3	3	n	n	n	1	n	n	1	n	n					
15		n	n	n	n	n	n	n	n	n	1	1	1	1	2	1	n	n	1	n	n	n	n	n	n	n	n					
16		n	n	n	n	n	n	n	n	n	n	1	1	8	25	20	9	17	22	1	7	8	10	1	9	9	n	2				
17		n	n	n	n	n	n	n	n	n	n	n	n	n	8	5	4	9	12	2	4	7	12	1	9	10	n	1				
18		n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	2	3	1	1	3	6	1	4	7	n	n					
19		n	n	n	n	n	n	n	n	n	n	n	n	1	5	6	5	7	12	2	2	8	27	4	18	36	1	7				
20		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	2	1	5	4					
21		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	14	6					
22		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	20	5					
23		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	1	18	6				
24		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	6	1	1				
26		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	1	1				
27		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	1				

		Hypothetical Spill Location																									
Land Segment		1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E	
1		34	5	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2		10	3	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3		12	11	3	1	5	n	n	15	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4		7	7	3	5	5	n	n	14	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5		10	11	3	53	16	1	n	18	n	1	8	n	n	2	n	n	n	n	n	n	n	n	n	1	n	n
6		9	10	3	28	12	2	n	20	1	6	17	1	2	6	n	1	n	n	n	n	n	n	n	1	n	n
7		10	15	5	11	28	8	2	24	25	56	35	16	10	19	1	3	3	2	n	n	n	n	4	8	4	4
8		3	16	14	1	21	19	13	5	74	37	31	82	77	47	6	16	19	9	3	3	3	18	31	17	20	
9		n	2	4	n	3	8	5	n	n	n	2	1	7	10	11	19	17	9	5	3	1	25	16	13	10	
10		n	2	3	n	1	5	5	n	n	n	1	n	3	6	66	26	16	11	8	4	1	27	15	11	8	
11		n	n	1	n	n	1	1	n	n	n	n	n	1	2	8	11	7	5	3	n	1	11	7	4	2	
12		n	n	1	n	n	1	1	n	n	n	n	n	n	n	n	4	8	6	9	8	3	1	6	3	1	
13		n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	4	4	2	2	n	n	1	1
14		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	1	n	n	n	n	n
15		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
58		3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
7	1	1	1	2	2	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	10	6	5	14	15	n	4	n	1	3	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n
9	10	6	3	12	15	1	5	n	2	6	1	1	n	n	1	2	3	1	2	n	n	n	n	n	n
10	7	3	1	10	21	24	40	5	11	19	2	3	1	2	6	15	9	3	6	n	2	n	2	2	4
11	3	1	n	4	10	69	26	40	15	12	7	5	1	3	5	10	4	6	6	1	3	1	2	3	3
12	4	2	1	5	9	3	13	47	51	16	82	46	18	28	41	20	11	39	27	9	27	4	23	28	25
13	2	1	n	2	1	n	1	1	5	8	2	39	55	21	19	11	6	22	10	20	28	7	22	27	15
14	n	n	n	1	n	n	n	n	n	n	n	1	21	21	4	2	3	5	8	27	22	9	18	14	8
15	n	n	n	n	n	n	n	n	n	n	n	n	n	13	1	1	1	1	n	31	7	2	7	4	3
16	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	1	2	6	2	73	17	4	3
Land Segment	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
9	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	4	4	2	4	1	1	1	2	n	1	2	2	2	2	1	1	1	n	n	n	n	n	n	1	n
11	3	1	2	4	2	2	1	2	n	1	2	2	1	1	2	1	2	n	n	n	n	n	2	n	1
12	8	3	21	38	20	18	13	27	3	12	23	26	25	18	10	4	11	3	1	1	1	n	18	9	5
13	6	3	26	21	19	19	16	23	1	11	22	27	19	14	9	2	13	5	2	1	1	n	22	14	6
14	3	1	22	8	19	14	7	12	3	8	17	12	9	6	4	1	10	3	1	2	2	1	12	7	9
15	1	n	8	2	4	4	3	4	1	2	4	4	4	3	2	n	2	n	1	n	n	n	5	2	2
16	1	4	12	2	24	14	18	7	77	52	16	7	6	7	7	3	36	25	18	14	10	6	18	22	19
17	n	n	n	n	n	1	1	1	9	4	1	n	1	1	1	1	4	17	13	7	4	3	n	6	7
18	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	4	3	2	2	1	n	n	2
19	n	n	n	n	n	1	2	n	1	1	n	n	n	n	n	n	2	12	17	11	3	1	n	2	5

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
9	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	4	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	6	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	5	3	31	5	14	4	7	9	9	1	4	1	n	n	n	n	n	1	2	1	3	n	5	1	2
13	6	5	16	5	16	3	7	7	10	n	4	1	1	n	n	n	n	1	2	2	2	1	3	n	1
14	5	2	8	5	10	3	7	5	10	1	2	1	1	n	n	n	n	n	1	1	3	n	4	n	1
15	n	n	2	1	4	1	2	3	1	n	1	1	n	n	n	n	n	1	n	n	n	1	n	n	n
16	13	6	2	61	36	38	44	56	43	9	34	12	7	5	3	n	3	6	17	15	30	5	38	2	11
17	6	4	n	12	5	39	9	7	5	60	29	20	7	5	2	1	22	19	21	20	38	8	20	5	19
18	1	1	n	1	n	1	1	1	n	12	4	14	3	1	n	n	59	22	13	6	6	10	6	9	16
19	4	3	n	1	1	4	3	2	3	14	8	29	12	6	4	2	14	45	31	35	10	71	8	81	41
20	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
41	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
12	2	1	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	1	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	11	6	11	1	2	3	5	n	n	n	1	1	3	2	2	1	n	n	n	n	n	n	n	n	n
17	11	5	10	n	1	6	8	n	n	1	n	1	3	4	2	1	1	n	n	n	n	n	n	n	n
18	8	3	5	n	1	3	3	n	n	n	n	1	2	2	1	1	n	n	n	n	n	n	n	n	n
19	58	76	54	52	11	22	16	54	13	4	3	7	15	13	6	9	2	43	40	1	n	n	n	n	n
20	n	1	n	15	19	6	2	21	35	18	11	7	7	6	2	20	8	34	26	16	10	7	n	n	n
21	n	n	n	5	10	5	n	6	12	15	13	11	8	3	1	12	14	5	10	23	83	19	2	n	n
22	n	n	n	4	7	3	n	2	3	8	10	8	3	2	1	6	12	2	2	10	2	19	1	n	n
23	n	n	1	2	6	1	1	3	6	8	10	8	5	2	n	6	12	3	4	11	2	27	10	1	n
24	n	n	n	2	4	2	1	1	2	4	4	3	1	1	1	4	5	1	2	4	1	11	45	19	7
25	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	9	15	4
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	4	28	18
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	21	44
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	13
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	<u>Hypothetical Spill Location</u>				
	6AC	7AC	8AC	9AC	10AC
17	n	n	1	n	n
19	n	1	2	n	n
20	n	n	1	n	n
21	n	3	5	n	1
22	n	3	6	1	n
23	1	19	11	4	4
24	4	25	9	37	25
25	3	1	1	14	9
26	12	3	1	12	15
27	29	1	2	5	9
28	15	n	n	1	2
29	8	n	n	n	1
31	1	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-6. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in spring season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
7	5	1	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n
8	8	3	1	n	1	1	n	n	n	n	1	1	n	n	n	n	n	n
9	2	1	1	n	1	1	n	n	n	n	1	n	n	n	n	n	n	n
10	1	1	2	1	1	1	1	n	n	n	n	1	n	n	n	n	n	n
11	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	2	3	1	1	4	n	n	n	2	3	n	n	n	n	5
13	n	n	n	2	2	1	1	3	n	n	n	1	2	3	n	n	n	2
14	n	n	n	1	3	1	n	2	1	n	n	n	1	n	n	n	n	1
15	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	2	4	n	1	3	3	2	1	2	2	3	3	1	n	7
17	n	n	n	n	2	n	n	1	1	1	n	n	1	n	2	3	n	3
18	n	n	n	n	n	n	n	n	n	2	n	n	n	n	1	n	n	2
19	n	n	n	n	2	n	1	n	1	5	2	n	n	2	2	3	1	6
20	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	1	n
21	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	n	n
22	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	1	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
38	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1
39	n	n	n	n	n	n	n	n	n	1	1	n	n	1	n	n	2	n
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	n
41	n	n	n	n	n	n	n	1	1	1	1	1	1	1	2	1	n	3
42	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	n	n	n
43	n	n	n	n	n	n	1	3	2	3	1	3	2	3	1	n	n	3
44	n	n	n	n	1	1	2	4	5	5	4	4	7	3	2	n	10	n
45	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
46	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	2
57	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table C-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	n	5	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	1	13	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	12	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	4	26	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	13	n	n	n	n	n	n	n	18	3	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	n	4	6	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	7	7	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
58	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
11	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	24	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	1	16	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	3	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	11	7	n	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	9	n	1	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75
17	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	7	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	13	26	18	4	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	n	7	3	n	n	n	n	n	n	n	n	n	n	n	n	n	6	12	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	15	1	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	1	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	1	14	n	1	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	6	n	1	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

		<u>Hypothetical Spill Location</u>																								
Land Segment		E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
27		5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28		5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29		1	21	3	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30		n	4	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31		n	n	8	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32		n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33		n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34		n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35		n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
36		n	n	n	n	n	n	n	n	n	1	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n
37		n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	10	n	n	n	n	n	n	n
38		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n
39		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n

		<u>Hypothetical Spill Location</u>																								
Land Segment		E101	E102	E103	E104	E105	E106	E107	E108	E109	E110	E111	E112	E113	E114	E115	E116	E117	E118	E119	E120	E121	E122	E123	E124	E125
39		n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40		n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41		n	n	n	n	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
42		n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	n	n	n	n	n	n	n	n	n	n
43		n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	2	n	n	n	n

		<u>Hypothetical Spill Location</u>																							
Land Segment		E126	E127	E128	E129	E130	E131	E132	E133	E134	E135	E136	E137	E138	E139	E140	E141	E142	E143	E144	E145				
5		7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6		23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7		5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8		n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9		n	8	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10		n	1	12	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11		n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12		n	n	n	n	4	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17		n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n
18		n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
19		n	n	n	n	n	n	n	n	n	8	19	17	4	n	n	n	n	n	n	n	n	n	n	n
20		n	n	n	n	n	n	n	n	n	n	n	1	17	4	2	11	1	n	n	n	n	n	n	n
21		n	n	n	n	n	n	n	n	n	n	n	1	8	74	14	1	n	n	n	n	n	n	n	n
22		n	n	n	n	n	n	n	n	n	n	n	n	18	1	1	n	2	n	n	n	n	n	n	n
23		n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	6	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table C-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

		<u>Hypothetical Spill Location</u>																											
Land Segment		S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31		
9		n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
10		n	n	n	10	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
19		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n		
21		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n		
22		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n		
23		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n		

		<u>Hypothetical Spill Location</u>																								
Land Segment		1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
1		20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2		6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3		1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4		n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5		n	n	n	42	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6		n	n	n	29	1	n	n	2	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7		n	n	n	5	1	n	n	n	15	44	9	8	1	n	n	n	n	n	n	n	n	n	n	n	n
8		n	n	n	n	n	n	n	n	79	31	6	72	52	1	1	n	n	n	n	n	n	1	n	n	n
9		n	n	n	n	n	n	n	n	n	n	n	n	1	n	5	1	n	n	n	n	n	4	n	n	n
10		n	n	n	n	n	n	n	n	n	n	n	n	n	n	44	1	n	n	n	n	n	3	n	n	n

		<u>Hypothetical Spill Location</u>																								
Land Segment		12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
10		n	n	n	n	n	14	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11		n	n	n	n	n	54	5	36	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12		n	n	n	n	n	n	n	24	18	n	39	4	n	n	n	n	n	n	n	n	n	n	n	n	n
13		n	n	n	n	n	n	n	n	n	n	n	22	33	3	n	n	n	n	n	1	n	n	n	n	n
14		n	n	n	n	n	n	n	n	n	n	n	n	16	10	n	n	n	n	n	10	1	n	n	n	n
15		n	n	n	n	n	n	n	n	n	n	n	n	n	9	n	n	n	n	n	14	n	n	n	n	n
16		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	52	4	n	n

		<u>Hypothetical Spill Location</u>																								
Land Segment		5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
14		n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16		n	n	5	n	5	n	n	n	47	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17		n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-7. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

		<u>Hypothetical Spill Location</u>																								
Land Segment		180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
16		n	n	n	9	1	5	n	5	n	1	1	n	n	n	n	n	n	1	n	n	4	1	n	n	n
17		n	n	n	4	n	17	n	1	n	33	2	6	n	n	n	n	28	15	5	n	11	5	1	4	9
18		n	n	n	n	n	n	n	n	n	1	n	7	n	n	n	n	32	7	2	n	n	8	1	13	7
19		n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	5	6	1	n	27	1	38	4
		<u>Hypothetical Spill Location</u>																								
Land Segment		1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
17		3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18		3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19		29	66	23	45	12	2	n	58	21	6	1	1	1	n	n	12	1	37	43	3	n	n	n	n	
20		n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	2	3	3	3	1	n	n	n
21		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	65	5	n	n	n
22		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	n	n	n
23		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	3	n	n
24		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	8	1	n
25		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n
26		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
27		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
28		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3
		<u>Hypothetical Spill Location</u>																								
Land Segment		6AC	7AC	8AC	9AC	10AC																				
23		n	2	n	n	n																				
24		n	3	n	1	n																				
25		n	n	n	1	n																				
		<u>Hypothetical Spill Location</u>																								
Land Segment		11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118							
19		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1							

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1	9	2	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	6	4	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	5	13	6	2	2	3	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	2	9	7	2	2	2	1	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
5	3	12	22	4	5	2	1	n	n	n	n	2	n	n	1	n	n	n	n	n	n	n	n	n	n
6	1	12	25	13	7	4	2	1	n	n	n	4	1	n	2	n	n	n	n	n	n	n	n	n	n
7	1	7	23	39	16	8	4	1	1	n	n	10	3	n	4	1	1	2	n	n	n	n	n	n	n
8	n	n	5	33	18	4	3	n	1	n	n	47	20	3	12	4	3	2	n	n	n	n	n	n	n
9	n	n	n	1	1	n	n	n	n	n	n	11	19	6	4	6	2	n	n	n	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	3	20	29	2	11	2	n	n	n	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	n	n	n	3	25	n	4	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	2	n	n	n	n	n	n	n	n	n
58	2	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Land Segment	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
9	n	n	n	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	5	1	5	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	13	3	6	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	46	18	5	6	n	n	5	1	5	1	1	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	3	27	1	3	n	n	10	1	4	2	n	n	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	8	n	1	n	n	11	2	2	1	n	n	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	1	n	n	n	n	3	1	1	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	18	22	2	7	n	1	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	13	n	3	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75
13	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	5	3	n	n	n	5	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	11	4	n	n	n	4	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	14	4	n	n	n	2	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	25	38	31	18	9	6	14	1	3	n	n	n	n	n	n	n	n	2	7	1	n	2	n	2	n
20	n	2	26	14	7	n	n	n	n	n	n	n	n	n	n	n	n	18	27	5	n	2	n	2	n
21	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	31	9	3	n	4	n	1	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	3	5	n	2	n	1	n
23	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	11	6	25	3	10	2	1	1
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	26	26	7	9	n	1
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	11	n	2	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	21	n	5	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	5	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n
Land Segment	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
23	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	3	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27	18	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	12	1	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	2	50	28	4	21	18	n	3	5	3	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
30	n	11	32	n	1	11	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	n	1	19	n	n	16	n	n	4	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	8	n	n	4	7	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	1	n	n	5	13	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	1	10	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	1	10	n	n	2	8	n	n	n	1	n	n	n	n	n	n	n
36	n	n	n	n	n	n	n	n	n	1	n	n	2	9	n	n	1	5	n	n	n	n	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	17	n	n	3	9	n	n	n
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	<u>Hypothetical Spill Location</u>																								
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125
37	1	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
38	2	3	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	n	7	n	n	n	n	3	3	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n
40	n	3	n	n	n	n	2	3	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n
41	n	n	n	n	n	n	1	19	n	n	n	n	1	7	4	n	n	n	n	n	3	3	n	n	n
42	n	n	n	n	n	n	n	1	n	n	n	n	2	15	n	n	n	n	n	1	5	n	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	1	n	n	n	n	4	n	4	n	3
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	1	n	n	n	n	3	9	9	n
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	3	2	n
Land Segment	<u>Hypothetical Spill Location</u>																								
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145					
19	n	n	n	n	n	n	n	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
20	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
41	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
42	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
43	1	n	n	1	1	4	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
44	1	n	n	n	3	18	23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
45	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
46	n	n	n	n	1	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
47	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																		
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18	
3	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
5	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
6	30	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
7	26	4	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
8	8	16	8	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
9	n	14	7	3	2	1	n	n	n	n	n	n	n	n	n	n	n	n	
10	n	6	20	19	8	5	1	n	n	n	n	n	n	n	n	n	n	n	
11	n	n	n	2	3	17	8	1	n	n	n	n	n	n	n	n	n	n	
12	n	n	n	n	1	14	26	n	n	n	n	n	n	n	n	n	n	n	
13	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	
14	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	
16	n	n	n	n	n	n	n	n	4	n	7	5	n	n	n	n	n	n	
17	n	n	n	n	n	n	n	n	1	n	4	11	1	n	n	n	n	n	
18	n	n	n	n	n	n	n	n	1	n	2	6	n	n	n	n	n	n	
19	n	n	n	n	n	n	n	n	n	n	14	32	31	16	2	n	2	6	3
20	n	n	n	n	n	n	n	n	n	n	n	14	36	16	6	28	9	6	
21	n	n	n	n	n	n	n	n	n	n	n	n	4	23	86	31	4	7	
22	n	n	n	n	n	n	n	n	n	n	n	n	1	24	3	5	2	5	
23	n	n	n	n	n	n	n	n	n	n	n	n	1	10	1	2	1	11	
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	

Land Segment	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
3	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
4	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
5	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
6	1	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
7	2	4	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
8	1	3	n	8	n	n	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
9	n	n	n	6	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
10	n	n	n	15	n	n	n	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
11	n	n	n	1	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	3	n	n					
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	2	4	n	n					
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	3	n	n					
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	3	8	6	2					
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	1					
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n					
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n					
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n					
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n					

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
1	25	6	n	n	1	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	10	1	n	n	1	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	10	n	1	2	5	1	n	9	n	1	3	1	n	1	n	n	n	n	n	n	n	n	n	n	n
4	4	1	n	2	3	1	n	6	n	n	3	n	1	1	n	n	n	n	n	n	n	n	n	n	n
5	4	n	n	46	7	1	n	12	n	3	9	1	1	3	n	n	n	n	n	n	n	n	1	n	1
6	1	n	n	35	11	2	n	20	1	3	10	2	2	5	n	n	n	n	n	n	n	1	1	n	1
7	1	n	n	12	20	2	n	18	16	49	29	9	6	13	1	1	1	n	n	n	n	3	5	2	2
8	n	n	n	1	7	1	n	2	82	41	30	84	74	28	6	10	8	1	n	n	n	17	20	5	4
9	n	n	n	n	n	n	n	n	1	n	1	6	6	13	15	5	1	n	n	n	n	19	7	1	n
10	n	n	n	n	n	n	n	n	n	n	n	1	n	59	16	4	1	n	n	n	n	19	5	n	n
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3	1	n	n	n	n	2	n	n	n
58	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
7	n	n	n	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	3	n	n	2	6	1	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	1	7	1	6	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	9	25	35	7	7	4	3	1	n	n	1	1	n	1	n	n	n	n	n	n	n
11	n	n	n	n	1	66	24	48	12	3	7	4	2	1	n	n	n	n	n	1	1	n	n	n	n
12	n	n	n	n	n	2	3	36	33	n	68	25	12	9	2	n	n	1	n	6	10	2	6	4	n
13	n	n	n	n	n	n	n	n	n	n	2	35	48	11	1	n	n	1	n	10	12	5	9	3	n
14	n	n	n	n	n	n	n	n	n	n	n	2	21	14	n	n	n	n	n	19	8	2	4	1	n
15	n	n	n	n	n	n	n	n	n	n	n	n	1	12	n	n	n	n	n	23	4	1	1	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	11	3	60	12	1	n

Land Segment	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
12	n	n	9	3	3	1	n	2	1	3	3	1	n	n	n	n	1	n	n	n	n	n	1	n	n
13	n	n	11	1	5	n	n	n	1	3	4	1	n	n	n	n	1	n	n	n	n	n	n	n	n
14	n	n	9	1	3	n	n	n	1	2	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n
15	n	n	3	n	1	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	11	n	11	n	n	1	62	15	4	1	n	n	n	n	3	n	n	n	n	n	1	n	n
17	n	n	n	n	n	n	n	n	10	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V
12	n	n	n	1	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
13	n	n	n	1	2	1	1	2	1	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n
14	n	n	n	2	1	1	1	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
16	n	n	n	26	7	22	5	20	9	10	14	4	n	n	n	n	5	6	6	6	20	2	8	2	6
17	n	n	n	8	1	23	1	4	1	39	6	10	n	n	n	n	34	25	13	4	18	14	3	10	18
18	n	n	n	n	n	n	n	n	n	2	1	10	n	n	n	n	34	14	7	6	2	20	2	22	12
19	n	n	n	n	n	1	n	n	n	4	4	9	1	n	n	n	5	19	24	9	4	44	8	51	19
Land Segment	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
16	3	2	4	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
17	11	2	8	1	2	3	1	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	n	n
18	12	2	7	n	1	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
19	45	73	32	53	27	15	3	66	32	21	14	13	11	4	1	26	13	50	54	17	n	2	n	n	n
20	n	n	n	7	3	1	n	8	15	11	8	4	1	n	n	5	9	18	14	18	8	11	2	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	77	17	2	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	11	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	17	11	1	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	31	14	3
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	9	3
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	16	4
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	15	10
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	10
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-8. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	<u>Hypothetical Spill Location</u>				
	6AC	7AC	8AC	9AC	10AC
19	n	n	1	n	n
20	n	3	3	n	n
21	n	3	3	1	n
22	n	2	1	n	n
23	n	15	4	2	1
24	n	16	2	15	3
25	n	n	n	7	1
26	n	n	n	8	n
27	n	n	n	3	n

Land Segment	<u>Hypothetical Spill Location</u>																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
19	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	2
43	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	5	n
44	n	n	n	n	n	n	n	n	n	n	2	2	6	8	6	5	16	n
45	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n
46	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	4	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1	11	3	1	n	1	2	n	1	3	1	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n
2	8	5	2	n	1	2	2	1	3	2	1	1	n	n	n	n	n	1	n	n	n	n	n	1	n
3	10	17	8	3	6	9	5	4	5	3	2	1	n	n	2	n	1	3	1	1	4	1	n	2	n
4	7	12	7	2	5	5	3	3	3	3	1	1	n	n	2	n	2	2	1	n	2	1	n	1	n
5	13	17	23	4	7	9	8	6	6	3	4	3	1	n	3	1	3	3	3	1	3	2	1	2	1
6	13	17	26	13	11	12	7	5	9	5	4	4	1	1	6	1	3	5	2	2	5	4	2	2	1
7	13	18	25	39	21	19	13	10	13	7	5	11	4	1	10	3	7	11	5	3	8	6	3	2	2
8	7	4	6	35	33	24	23	15	15	6	2	52	24	3	28	12	17	16	15	9	11	9	7	6	4
9	n	n	n	2	4	3	6	2	n	1	n	14	25	7	13	13	11	4	5	2	3	5	2	n	2
10	n	n	n	1	3	n	5	2	n	n	n	7	27	38	15	30	15	5	8	8	1	3	3	n	1
11	n	n	n	n	n	n	1	n	n	n	n	2	11	34	4	14	5	1	2	2	n	n	1	n	n
12	n	n	n	n	n	n	n	n	n	n	n	2	11	2	9	2	1	1	1	n	n	n	n	n	n
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n
58	3	1	n	n	n	1	n	n	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																									
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50	
1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
3	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
4	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
5	1	1	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
6	n	2	n	n	n	n	n	1	3	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	
7	1	3	1	n	1	n	2	1	5	4	1	n	1	n	2	1	1	2	n	n	n	n	n	n	n	
8	4	2	1	n	1	2	7	6	11	6	1	1	4	2	5	1	2	6	2	3	1	n	n	n	n	
9	2	n	n	1	3	2	6	5	8	6	1	1	4	1	4	4	2	3	2	2	1	n	n	n	n	
10	1	n	n	1	11	6	25	12	16	11	5	4	7	7	9	6	5	4	4	2	2	1	n	n	n	
11	n	n	n	n	19	10	18	12	9	8	5	2	7	4	6	3	4	4	3	1	1	n	n	n	n	
12	n	n	n	n	56	30	19	30	10	11	16	7	25	11	17	16	10	4	7	1	4	n	1	n	1	
13	n	n	n	n	4	32	3	11	1	5	16	5	14	9	8	6	4	2	2	1	1	n	n	n	n	
14	n	n	n	n	n	10	n	4	n	1	16	3	6	3	2	2	2	1	1	n	1	n	n	n	n	
15	n	n	n	n	n	1	n	n	n	n	6	1	2	1	1	n	n	n	n	n	n	n	n	n	n	
16	n	n	n	n	n	1	n	n	n	n	21	28	6	15	2	4	2	1	2	n	1	n	n	n	n	
17	n	n	n	n	n	n	n	n	n	n	n	15	n	4	n	1	1	n	1	n	n	n	n	n	n	
18	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	1	n	n	n	n	n	n	n	n	n	
19	n	n	n	n	n	n	n	n	n	n	n	7	n	1	n	n	1	n	n	n	n	n	n	1	n	n
58	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																											
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75			
8	1	n	n	n	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
9	1	n	n	n	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
10	3	1	n	n	n	3	1	3	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
11	1	1	n	n	n	2	n	1	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
12	5	3	n	1	n	6	2	7	1	3	1	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n		
13	2	2	n	1	n	4	1	3	1	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n	1	n		
14	2	n	n	n	n	2	1	2	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
15	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
16	10	7	n	2	1	13	4	7	5	3	2	1	2	n	n	n	n	n	n	n	n	n	n	1	n	1		
17	14	7	n	1	2	8	7	5	4	2	2	n	1	n	n	n	n	n	n	n	n	n	n	n	1	1		
18	15	7	n	n	n	6	5	2	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
19	28	42	36	26	19	13	26	6	13	4	4	2	n	n	n	n	n	n	2	10	4	3	8	4	14	8		
20	n	5	37	26	17	1	4	n	1	n	n	n	n	n	n	n	n	n	22	34	8	4	9	5	13	4		
21	n	n	1	4	6	7	n	1	n	n	n	n	n	n	n	n	n	n	35	17	5	2	10	2	8	2		
22	n	n	n	1	1	3	n	n	n	n	n	n	n	n	n	n	n	n	16	6	6	1	3	n	2	2		
23	n	1	3	4	8	n	1	n	n	n	n	n	n	n	n	n	n	n	14	10	26	4	14	8	6	5		
24	n	1	2	5	9	n	1	n	n	n	n	n	n	n	n	n	n	n	2	6	30	30	20	21	9	9		
25	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	1	3	13	2	7	1	2		
26	n	n	n	1	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	5	25	5	14	1	3	
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	12	2	10	n	2		
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	3	n	n		
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
41	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n		
42	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n		
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n		
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	6	n	n	n	n	n		
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n		
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n		
49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n		

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																									
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100	
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	1	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
19	4	n	n	3	2	1	4	2	1	n	3	2	1	n	2	n	n	n	3	n	n	n	2	1	n	n
20	3	1	n	3	1	n	2	1	n	n	1	n	n	n	2	n	n	n	1	n	n	n	1	1	n	n
21	1	n	n	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n
22	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	3	n	1	3	n	n	3	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
24	8	2	1	8	6	1	2	3	1	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
25	8	1	n	3	2	1	1	2	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
26	17	2	n	7	4	n	n	2	1	n	n	1	1	n	n	1	1	n	n	n	n	n	n	n	n	n
27	26	3	n	9	7	1	3	2	n	n	1	1	1	n	n	n	n	1	n	n	n	n	1	n	n	n
28	14	4	n	6	5	1	1	2	n	n	1	1	1	1	n	n	n	1	n	n	n	n	1	n	n	n
29	2	59	37	8	34	31	6	21	27	17	2	11	20	16	1	2	11	9	n	n	n	7	8	n	n	1
30	n	12	36	1	6	18	2	5	12	9	1	3	8	7	n	1	4	5	n	n	n	2	3	n	n	n
31	n	n	2	19	n	4	20	1	5	12	11	1	3	6	5	n	1	5	3	n	n	1	3	n	n	n
32	n	n	n	n	n	n	8	n	2	8	9	n	2	7	7	n	1	3	3	n	n	2	2	n	n	1
33	n	n	n	n	n	1	1	n	6	14	n	1	5	9	n	n	5	4	n	n	3	2	n	n	n	1
34	n	n	n	n	n	n	n	n	2	11	n	n	1	4	n	n	2	3	n	n	1	1	n	n	n	n
35	n	n	n	n	n	n	n	n	1	10	n	n	4	10	n	n	3	4	n	n	2	4	n	n	n	1
36	n	n	n	n	n	n	n	n	n	1	n	n	2	9	n	n	2	7	n	n	1	3	n	n	n	1
37	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	2	17	n	n	3	10	n	n	n	2
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table C-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125
17	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	1	1	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	4	4	n	n	n	n	3	2	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n
30	1	2	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	1	1	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	1	2	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	2	1	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	1	1	n	n	n	n	1	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
35	2	2	n	n	n	1	1	1	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n
36	1	2	n	n	n	1	1	n	n	n	n	1	1	1	n	n	n	n	1	n	1	n	n	n	n
37	4	7	n	n	n	2	5	4	n	n	n	1	2	4	4	n	2	2	n	2	3	4	n	n	1
38	2	4	n	n	n	1	2	4	n	n	1	n	2	4	3	n	1	n	n	2	2	2	n	n	n
39	n	7	n	n	n	n	3	5	n	n	n	n	2	3	3	1	1	1	1	1	3	4	1	1	1
40	n	3	n	n	n	n	2	4	n	n	1	n	1	2	3	1	n	1	n	1	1	1	1	n	1
41	n	n	n	n	1	n	1	19	n	n	1	n	1	7	8	1	2	1	1	n	5	7	2	1	4
42	n	n	n	n	n	n	n	1	n	n	1	n	n	2	17	1	1	n	1	n	1	7	2	1	2
43	n	n	n	n	n	n	n	n	n	n	1	n	n	n	3	3	3	2	1	n	n	5	6	9	5
44	n	n	1	n	1	n	n	n	1	2	1	2	1	n	n	7	9	2	2	1	n	n	21	25	14
45	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	2	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	1	1	1	n	n	3	5	2
49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n	1	2	1
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	2	1	1
51	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	2	2	n
53	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
12	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	2	1	3	1	1	1	1	1	n	n	n	n	n
17	n	n	n	n	n	n	n	2	1	1	1	2	1	n	1	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	16	9	12	10	5	6	1	3	n	1	n	n	n
20	n	n	n	n	n	n	n	12	9	2	5	n	2	n	1	n	n	n	n	n
21	n	n	n	n	n	n	n	3	4	n	2	n	1	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	1	1	n	1	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	3	2	1	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	2	3	1	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
37	1	2	1	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
38	n	n	2	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	1	2	2	3	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
40	1	n	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	1	1	3	5	n	1	2	n	n	n	n	n	n	n	n	n	1	n	n	n
42	n	n	2	5	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	1
43	1	n	n	2	3	8	6	n	n	n	n	n	n	n	n	n	n	n	n	n
44	2	1	1	n	22	26	27	n	n	n	n	n	n	n	n	1	1	3	1	3
45	n	1	n	n	1	1	2	n	n	n	n	n	n	n	n	n	n	1	1	1
46	n	1	n	n	6	5	4	n	n	n	n	n	n	n	n	1	n	1	n	1
47	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	1	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n
50	1	n	n	n	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	1
51	n	n	n	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	1
52	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
53	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%.
Segments with all values less than 0.5% are not shown.

Table C-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	5	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	5	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	14	1	1	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n
6	31	3	3	2	n	n	2	n	n	n	n	n	n	n	n	n	n	n
7	29	9	7	3	1	1	5	n	n	n	n	n	n	n	n	n	n	n
8	11	26	16	11	4	5	10	2	3	1	1	n	n	n	n	n	n	n
9	1	20	15	9	6	4	7	1	1	1	1	n	n	n	n	n	n	n
10	n	16	32	33	22	18	16	5	4	4	2	n	n	n	n	n	n	n
11	n	3	7	11	30	21	8	3	3	2	2	n	n	n	n	n	n	n
12	n	1	2	4	22	34	10	10	8	7	3	1	n	n	n	n	n	n
13	n	n	n	1	1	1	2	6	2	3	1	n	n	n	n	n	n	n
14	n	n	n	n	n	n	n	2	1	1	1	n	n	n	n	n	1	n
15	n	n	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	12	6	15	10	1	n	n	n	n	n	n
17	n	n	n	n	n	n	n	2	3	5	14	1	n	n	n	n	n	n
18	n	n	n	n	n	n	n	2	1	3	7	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	2	1	18	37	36	18	3	n	3	16	12
20	n	n	n	n	n	n	n	n	n	n	n	25	45	19	7	33	19	14
21	n	n	n	n	n	n	n	n	n	n	n	6	11	29	87	38	12	14
22	n	n	n	n	n	n	n	n	n	n	n	1	3	26	3	7	5	8
23	n	n	n	n	n	n	n	n	n	n	n	4	5	14	1	6	7	15
24	n	n	n	n	n	n	n	n	n	n	n	2	4	3	1	3	8	9
25	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	1	2
26	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	2
27	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	1	1	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
1	2	2	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
2	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
3	3	5	3	1	n	3	3	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
4	2	3	1	1	1	2	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
5	6	8	3	2	1	3	3	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
6	6	10	3	5	2	4	7	3	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
7	11	14	5	7	2	7	10	5	5	4	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n					
8	14	27	5	19	6	11	16	12	9	7	1	3	1	n	n	1	n	n	n	n	n	n	n	n	n	n					
9	2	4	n	13	2	3	2	11	4	4	2	n	2	1	n	1	2	n	n	n	n	1	n	n	1	n					
10	n	1	n	23	1	2	3	21	4	10	5	1	3	2	n	1	3	n	n	n	1	1	n	1	2	n					
11	n	n	n	3	n	n	1	6	n	1	1	n	3	2	n	1	2	n	n	n	1	n	1	1	n	n					
12	n	n	n	1	n	n	n	2	n	2	1	1	9	4	1	3	5	1	2	3	5	n	3	3	n	n					
13	n	n	n	n	n	n	n	n	n	1	n	1	2	1	1	1	2	n	2	2	4	n	1	2	n	n					
14	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	n	1	1	n	1	1	n	n					
16	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	2	2	n	1	3	9	1	7	8	n					
17	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	n	1	2	8	2	8	10	n					
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	5	1	4	9	n	n					
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	1	4	10	4	12	17	13	17					
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	18	12	n					
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	16	2					
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	2					
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	10	3					
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	3					
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n					
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1					
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n					
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n					
58	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					

Land Segment	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
1	26	8	3	n	2	2	1	4	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1
2	11	3	1	n	2	1	1	3	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	2
3	14	4	4	2	10	6	3	12	n	1	4	1	n	2	n	n	1	1	1	n	n	1	1	2	4
4	7	4	1	2	6	3	3	9	n	n	4	n	1	4	n	1	2	2	n	1	n	n	2	2	3
5	11	9	5	46	11	10	5	16	1	3	10	1	1	5	n	1	2	2	2	2	1	1	2	3	6
6	10	12	5	36	15	8	5	24	1	3	11	2	2	7	n	2	3	2	3	2	n	2	4	8	
7	8	15	6	12	28	11	9	24	16	49	30	9	6	17	1	4	6	7	6	3	1	3	8	10	11
8	4	13	6	1	19	21	6	5	82	43	35	85	75	44	6	15	23	18	13	7	1	22	33	22	21
9	n	1	n	n	2	3	2	n	n	1	2	2	7	11	15	21	14	8	5	3	2	24	15	9	7
10	n	n	n	n	n	1	1	n	n	1	1	1	4	4	64	31	22	10	7	1	n	29	19	10	5
11	n	n	n	n	n	n	n	n	n	n	n	n	1	1	8	14	10	5	1	n	n	11	5	4	2
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	4	2	1	n	n	n	3	1	1	n
58	2	4	2	n	1	1	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
1	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	3	2	1	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	2	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
5	4	3	1	3	2	n	n	n	n	n	1	n	n	n	n	1	1	1	n	1	n	n	n	n	n
6	6	2	2	2	2	n	n	n	n	n	1	n	n	n	n	1	2	3	2	2	n	n	n	n	1
7	11	6	2	11	5	n	1	n	n	4	n	n	n	1	2	4	4	2	3	1	1	n	1	2	3
8	17	9	4	20	15	1	4	1	3	9	1	2	1	3	8	9	11	7	7	1	2	1	2	4	7
9	3	n	n	6	16	1	7	n	3	8	1	3	1	2	5	9	5	4	6	1	2	1	2	2	3
10	3	n	n	10	29	26	42	8	15	26	7	5	4	6	12	14	9	13	10	5	7	3	6	9	8
11	2	n	n	3	14	67	32	49	23	14	11	10	5	5	11	10	2	9	7	3	6	3	5	7	4
12	n	n	n	1	4	3	10	39	44	10	76	35	14	24	24	13	3	24	8	12	25	9	26	26	6
13	n	n	n	n	n	n	n	1	2	n	3	37	50	16	7	6	1	7	3	15	22	8	16	12	3
14	n	n	n	n	n	n	n	n	n	n	n	2	22	16	1	n	n	2	1	21	13	4	6	4	1
15	n	n	n	n	n	n	n	n	n	n	n	1	1	13	1	n	n	n	n	23	6	2	3	2	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1	n	n	1	n	12	6	61	16	4	n
Land Segment	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	2	1	n	1	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
7	2	1	1	3	1	1	n	2	n	1	2	2	2	2	1	n	1	n	n	n	n	n	2	1	n
8	5	1	2	6	3	5	4	5	n	3	3	5	6	5	2	n	3	3	1	n	n	n	3	3	2
9	3	1	2	4	1	3	2	4	n	1	3	4	3	2	1	n	2	1	1	n	n	n	4	2	1
10	3	1	4	10	8	8	6	8	2	6	7	9	8	3	1	n	5	4	2	1	n	n	8	6	4
11	n	n	6	10	4	5	3	9	2	6	7	7	5	2	1	n	6	2	1	1	n	n	6	4	2
12	n	n	23	26	20	17	10	24	4	15	20	25	9	1	1	n	16	7	5	2	1	1	19	9	6
13	n	n	18	9	11	7	3	9	3	12	13	9	3	1	n	n	5	3	2	1	1	1	10	3	2
14	n	n	13	3	7	2	2	3	2	5	5	3	1	n	n	n	3	2	1	n	n	n	3	1	n
15	n	n	4	1	2	1	n	1	1	3	1	1	n	n	n	n	1	n	1	n	n	n	1	n	n
16	n	n	15	3	16	2	1	3	65	22	9	4	1	n	n	n	10	6	4	2	1	n	4	2	2
17	n	n	n	n	1	n	n	n	10	4	1	n	n	n	n	n	1	2	3	2	1	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	1	n	n	n	n	n
19	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	2	4	2	1	n	n	n	1
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																										
	18Q	19Q	20Q	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V		
5	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
6	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
7	n	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
8	n	n	7	1	3	2	2	2	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n	2	n	1	
9	n	n	4	1	2	1	1	1	1	1	1	1	n	n	n	n	n	n	1	1	1	1	1	1	n	1	
10	1	n	11	5	7	3	5	4	7	1	4	3	1	n	n	n	n	n	1	2	2	2	n	5	n	1	
11	n	n	9	3	6	2	4	4	3	1	3	2	1	n	n	n	n	1	1	3	2	2	1	3	1	1	
12	2	1	13	8	14	5	12	10	12	4	8	4	3	1	n	n	n	1	3	4	4	5	2	8	2	4	
13	n	n	6	5	9	4	6	7	9	2	4	3	2	1	n	n	n	1	1	2	3	4	n	5	n	2	
14	n	n	1	4	5	2	3	4	4	2	3	1	2	1	n	n	n	1	1	1	1	2	n	3	n	1	
15	n	n	n	1	2	1	1	2	1	1	n	n	n	n	n	n	n	n	n	1	1	n	1	1	1	1	
16	1	n	n	n	34	15	31	14	29	18	19	26	11	5	3	1	n	n	10	10	11	13	28	5	16	3	13
17	n	n	n	n	9	3	24	2	5	2	42	8	15	2	1	n	n	n	36	28	18	9	20	17	5	12	22
18	n	n	n	1	n	2	n	1	n	4	2	13	2	n	n	n	n	36	17	9	12	3	20	4	23	13	
19	n	n	n	1	n	3	1	1	1	9	7	14	8	1	n	n	n	7	24	29	17	8	47	10	53	25	
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	
41	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	

Land Segment	Hypothetical Spill Location																										
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC		
8	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
10	2	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	
11	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
12	3	1	3	n	1	2	1	n	1	n	1	1	1	1	n	1	1	n	n	n	n	n	n	n	n	n	
13	1	1	1	n	1	1	1	n	n	1	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	
14	n	n	1	n	n	1	1	n	n	n	n	n	1	n	n	1	n	n	1	n	n	n	n	n	n	n	
15	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
16	6	4	7	1	3	4	5	n	n	1	1	1	2	3	1	3	1	n	n	n	n	n	n	n	n	n	
17	13	3	11	2	4	7	5	n	1	2	2	3	2	3	3	1	n	n	n	n	n	n	n	n	n	n	
18	13	2	9	1	2	4	3	n	n	n	n	n	1	1	n	2	n	n	n	n	n	n	n	n	n	n	
19	48	75	38	57	37	29	14	69	39	28	29	27	28	19	4	34	22	54	57	22	n	5	4	3	4		
20	n	1	1	15	14	4	2	15	27	25	19	17	13	6	n	15	21	28	24	29	10	17	7	3	3		
21	n	n	1	4	3	1	n	4	4	5	7	4	4	1	n	3	7	4	3	10	80	23	4	2	1		
22	n	n	n	1	1	n	n	n	1	3	2	3	1	n	n	2	4	1	n	3	5	14	2	1	1		
23	n	1	n	2	2	n	1	2	4	3	6	4	3	n	n	2	6	2	2	7	2	21	13	3	2		
24	n	n	1	2	1	1	n	2	2	3	4	2	1	n	n	2	5	1	2	5	1	10	37	19	13		
25	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	1	n	1	5	12	8		
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	2	12	20	12
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	19	18	
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	7	14	
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-9. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in summer season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
13	n	n	1	n	n
16	n	n	1	n	n
17	n	n	n	1	1
19	5	7	9	4	7
20	3	8	12	5	5
21	n	8	7	2	3
22	1	4	4	1	2
23	2	19	13	6	7
24	6	25	14	26	14
25	1	1	2	10	4
26	4	5	3	18	5
27	4	4	n	9	2
28	2	1	1	2	1
29	5	n	n	n	n
31	1	n	n	n	n

Land Segment	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	2	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
4	1	1	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n
5	2	1	1	n	n	1	n	n	n	n	1	1	n	n	n	n	n	n
6	2	2	n	n	1	1	n	n	n	n	1	n	n	n	n	n	n	n
7	5	2	n	n	1	n	n	n	n	n	2	1	n	n	n	n	n	n
8	7	3	1	n	3	2	1	n	n	n	3	1	1	n	n	n	n	n
9	n	n	2	n	2	1	1	n	n	n	1	1	1	n	n	n	n	n
10	n	n	1	1	n	2	n	n	n	n	1	1	n	n	n	n	n	1
11	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n
12	n	n	n	2	n	n	1	n	n	n	n	n	1	1	n	n	n	3
13	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	1
16	n	n	n	1	n	n	n	n	4	1	n	n	n	1	3	n	n	1
17	n	n	n	n	n	n	n	n	1	1	n	n	n	n	2	n	n	1
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
19	n	n	n	n	n	n	n	1	3	2	n	n	n	1	2	5	n	4
20	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	3	n	n
24	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n
41	n	n	n	n	n	n	n	n	n	1	1	1	n	n	1	n	n	n
42	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	1	1	n
43	n	n	n	n	n	2	3	3	2	2	2	2	2	2	2	2	6	n
44	n	n	n	n	1	2	3	8	8	6	10	10	10	11	9	7	17	n
45	n	n	n	n	n	1	n	1	1	n	1	1	1	n	n	1	n	n
46	n	n	n	n	n	1	1	2	1	2	1	1	1	1	1	4	n	n
49	n	n	n	n	n	n	1	n	n	n	1	1	1	n	n	1	n	n
50	n	n	n	n	n	n	1	n	n	1	n	n	1	n	1	1	n	n
51	n	n	n	n	n	n	n	n	1	1	n	n	1	n	n	2	n	n
53	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
58	5	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

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Table C-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1	11	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	1	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	n	9	11	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	n	10	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	11	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	3	14	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	21	2	n	n	n	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	2	n	n	n	n	n	n	n	20	7	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	n	n	n	15	2	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	n	8	19	n	1	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n	n	n	n
58	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
11	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	26	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	18	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	1	n	n	n	n	5	n	1	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	14	13	n	2	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	16	n	2	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75
16	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	19	3	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	7	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	6	32	48	8	n	6	1	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n
20	n	n	6	4	n	n	n	n	n	n	n	n	n	n	n	n	n	13	14	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	2	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	1	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	2	17	n	1	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	16	6	2	n	n	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
27	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	2	21	5	4	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	5	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	n	n	3	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
36	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	3	n	n	n	n	n	n	n
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n

Land Segment	Hypothetical Spill Location																								
	E101	E102	E103	E104	E105	E106	E107	E108	E109	E110	E111	E112	E113	E114	E115	E116	E117	E118	E119	E120	E121	E122	E123	E124	E125
39	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
42	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n

Land Segment	Hypothetical Spill Location																			
	E126	E127	E128	E129	E130	E131	E132	E133	E134	E135	E136	E137	E138	E139	E140	E141	E142	E143	E144	E145
3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	8	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	13	10	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	3	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	3	n	8	9	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	3	18	41	14	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	n	n	n	1	19	7	6	18	2	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	2	15	71	24	1	1	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	20	n	2	n	3	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	7	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

		Hypothetical Spill Location																									
Land Segment		S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31
8		n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9		n	n	n	3	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10		n	n	n	10	n	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n
21		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
22		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4
23		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2

		Hypothetical Spill Location																								
Land Segment		1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
1		46	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2		1	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3		n	n	n	9	1	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4		n	n	n	12	1	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5		n	n	n	51	2	n	n	3	n	4	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n
6		n	n	n	1	n	n	n	n	3	11	5	3	1	n	n	n	n	n	n	n	n	n	n	n	n
7		n	n	n	n	n	n	n	n	43	49	12	31	12	3	n	n	n	n	n	n	n	n	n	n	n
8		n	n	n	n	n	n	n	n	45	n	n	44	46	5	3	1	n	n	n	n	n	5	2	n	n
9		n	n	n	n	n	n	n	n	n	n	n	n	n	14	7	n	n	n	n	n	n	18	2	n	n
10		n	n	n	n	n	n	n	n	n	n	n	n	n	47	4	n	n	n	n	n	n	2	n	n	n
58		7	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

		Hypothetical Spill Location																								
Land Segment		12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
9		n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10		n	n	n	n	n	40	27	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11		n	n	n	n	n	37	2	39	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12		n	n	n	n	n	n	n	23	19	n	36	10	2	n	n	n	n	n	n	n	n	n	n	n	n
13		n	n	n	n	n	n	n	n	n	n	16	44	9	n	n	n	n	n	n	6	4	n	1	n	n
14		n	n	n	n	n	n	n	n	n	n	n	3	15	n	n	n	n	n	n	19	7	n	2	n	n
15		n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	14	n	n	1	n	n
16		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	45	4	n	n

		Hypothetical Spill Location																								
Land Segment		5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
13		n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14		n	n	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15		n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16		n	n	7	n	5	n	n	n	54	7	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n
17		n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table C-10. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 3 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																									
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V	
16	n	n	n	21	1	15	2	13	3	2	7	n	n	n	n	n	n	n	n	n	14	1	2	n	2	
17	n	n	n	1	n	16	n	n	n	64	20	14	n	n	n	n	30	34	19	2	25	18	12	15	29	
18	n	n	n	n	n	n	n	n	n	2	1	12	n	n	n	n	56	21	7	n	2	9	2	7	16	
19	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	2	8	3	6	n	18	1	28	7	
Land Segment	Hypothetical Spill Location																									
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC	
16	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
17	11	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
18	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
19	24	67	31	66	19	1	n	81	49	13	2	2	n	n	n	19	1	69	66	9	n	n	n	n	n	
20	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	n	6	3	5	6	3	n	n	n	
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	68	6	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14	1	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	13	n	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Land Segment	Hypothetical Spill Location																									
	6AC	7AC	8AC	9AC	10AC																					
23	n	3	n	n	n																					
24	n	6	n	n	n																					
25	n	n	n	2	n																					
26	n	n	n	1	n																					
Land Segment	Hypothetical Spill Location																									
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118								
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2								

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1	29	16	5	1	n	1	n	n	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	6	22	7	1	2	3	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	2	26	31	11	8	8	1	n	3	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	4	19	8	6	3	1	n	1	n	n	3	1	n	n	n	n	n	n	n	n	n	n	n	n
5	n	2	17	20	11	7	2	1	n	n	n	8	2	n	1	n	n	n	n	n	n	n	n	n	n
6	n	1	5	21	13	5	2	1	n	n	n	13	4	n	2	n	n	n	n	n	n	n	n	n	n
7	n	n	n	25	12	3	4	2	n	n	n	23	14	3	8	2	n	1	n	n	n	n	n	n	n
8	n	n	n	2	3	n	5	1	n	n	n	29	32	12	17	9	6	2	n	n	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	n	n	n	18	14	4	12	3	n	n	n	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	n	9	39	n	15	1	n	n	n	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n	1	n	n	n	n	n	n	n	n	n
58	30	4	1	n	1	1	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Land Segment	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
8	n	n	n	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	5	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	15	1	12	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	13	4	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	37	24	4	7	n	1	11	1	7	1	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	21	n	2	n	1	13	4	8	4	3	1	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	1	n	n	n	n	8	3	3	2	n	1	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	6	1	2	1	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	15	21	n	8	n	3	2	n	1	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	16	n	3	n	1	1	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																										
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75		
14	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
16	10	6	n	1	n	6	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
17	28	9	n	2	n	7	3	3	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
18	10	3	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
19	8	37	70	37	13	10	10	1	2	n	n	n	n	n	n	n	n	n	5	18	1	n	2	n	3	n	
20	n	1	21	14	6	n	1	n	n	n	n	n	n	n	n	n	n	n	31	32	5	n	2	n	1	n	
21	n	n	2	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	26	10	4	n	3	n	n	n	
22	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	10	3	2	n	1	n	n	n	
23	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	11	4	23	3	10	1	2	n	
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	21	6	4	1	1	n	
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n	3	n	n	n	
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n	2	n	1	n	
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	3	n	n	n	
Land Segment	Hypothetical Spill Location																										
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100		
24	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
25	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
26	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
27	10	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
28	4	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
29	2	46	32	6	15	9	n	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
30	n	8	21	n	n	5	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
31	n	n	4	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
32	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
33	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
34	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
35	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
36	n	n	n	n	n	n	n	n	n	2	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	
37	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	4	n	n	n	n	n	1	n	n	n	
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

		Hypothetical Spill Location																								
Land Segment		E101E	102E	103E	104E	105E	106E	107E	108E	109E	110E	111E	112E	113E	114E	115E	116E	117E	118E	119E	120E	121E	122E	123E	124E	125E
39		n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40		n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41		n	n	n	n	n	n	5	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
42		n	n	n	n	n	n	n	n	n	n	n	n	1	4	n	n	n	n	n	n	1	n	n	n	n
43		n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	2	n	n	n	n	
44		n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	1	7	
45		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	
46		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	2	
55		n	n	n	n	n	n	1	1	1	n	n	n	n	2	4	1	n	n	n	n	1	4	2		

		Hypothetical Spill Location																						
Land Segment		E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145E			
19		n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20		n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23		n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43		n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
44		3	n	n	n	n	7	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
45		n	n	n	n	n	2	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
46		n	n	n	n	n	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55		1	n	n	n	1	6	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1

		Hypothetical Spill Location																	
Land Segment		F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
1		2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2		6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3		22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4		13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5		25	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6		15	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7		1	10	6	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
8		n	20	16	7	2	1	n	n	n	n	n	n	n	n	n	n	n	n
9		n	11	10	7	5	3	n	n	n	n	n	n	n	n	n	n	n	n
10		n	n	14	18	23	14	1	n	n	n	n	n	n	n	n	n	n	n
11		n	n	n	n	n	14	9	n	n	n	n	n	n	n	n	n	n	n
12		n	n	n	n	n	5	22	n	n	n	n	n	n	n	n	n	n	n
13		n	n	n	n	n	n	n	2	n	1	n	n	n	n	n	n	n	n
14		n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n
15		n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
16		n	n	n	n	n	n	n	11	2	11	10	1	n	n	n	n	n	n
17		n	n	n	n	n	n	n	5	2	12	16	2	n	n	n	n	n	n
18		n	n	n	n	n	n	n	n	n	3	2	n	n	n	n	n	n	n
19		n	n	n	n	n	n	n	n	n	4	21	63	40	5	3	10	12	6
20		n	n	n	n	n	n	n	n	n	n	10	37	24	16	39	12	6	6
21		n	n	n	n	n	n	n	n	n	n	1	6	26	76	35	4	6	6
22		n	n	n	n	n	n	n	n	n	n	n	n	23	n	2	2	5	5
23		n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	2	11	11
24		n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1

Notes: ** = Greater than 99.5 percent; n = less than 0.5 percent.
 Rows with all values less than 0.5 percent are not shown.

Table C-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
3	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
4	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
5	2	4	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
6	1	4	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
7	n	4	n	5	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
8	n	2	n	14	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
9	n	n	n	5	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
10	n	n	n	10	n	n	n	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
16	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	3	n	2	3	n	n	n				
17	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	1	2	n	2	5	n	n	n				
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	1	n	n	n	n				
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	3	10	10	1	n	n				
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	11	1	n				
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n				
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n				
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n				

Land Segment	Hypothetical Spill Location																									
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E	
1	60	12	1	2	3	n	n	12	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	5	4	n	3	7	1	n	16	1	1	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
3	1	2	n	20	18	2	n	28	1	7	15	2	3	4	n	n	n	n	n	n	n	n	n	n	n	n
4	n	n	n	16	11	n	n	9	1	6	10	2	2	3	n	n	n	n	n	n	n	n	n	n	n	n
5	n	1	n	53	13	3	n	8	4	15	21	6	7	7	1	1	n	n	n	n	n	n	1	2	n	n
6	n	n	n	1	6	1	n	1	5	16	15	9	9	11	1	2	n	n	n	n	n	n	3	2	n	n
7	n	n	n	n	3	3	n	n	44	50	16	34	25	22	7	8	3	n	n	n	n	n	14	13	1	1
8	n	n	n	n	n	1	1	n	45	n	n	44	47	13	18	28	15	1	n	n	n	36	30	7	5	n
9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	18	18	8	1	n	n	n	22	6	3	n	n
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	48	8	3	1	n	n	n	2	n	n	n	n
5B	22	20	2	n	1	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																									
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N	
5	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
6	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
7	n	n	n	n	3	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
8	1	n	n	3	17	4	14	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
9	n	n	n	1	11	7	17	3	4	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
10	n	n	n	1	9	48	46	18	20	6	9	3	1	n	n	n	n	n	n	n	n	n	n	n	n	
11	n	n	n	n	n	37	2	47	11	2	10	5	2	n	n	n	n	n	n	n	1	n	n	n	n	
12	n	n	n	n	n	n	n	23	27	1	56	30	20	11	4	1	n	2	1	11	16	5	9	4	1	
13	n	n	n	n	n	n	n	n	n	n	n	17	47	16	1	n	n	2	n	16	14	9	11	7	1	
14	n	n	n	n	n	n	n	n	n	n	n	n	3	15	n	n	n	n	n	24	9	5	7	1	n	
15	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	16	1	2	3	n	n	
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	47	6	n	n	
Land Segment	Hypothetical Spill Location																									
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	
12	n	n	14	5	8	n	n	1	1	5	5	1	n	n	n	n	1	n	n	n	n	n	1	n	n	
13	n	n	14	3	8	1	n	3	4	8	10	3	1	n	n	n	3	n	n	n	n	n	3	n	n	
14	n	n	10	n	7	2	n	1	2	3	4	1	n	n	n	n	2	n	n	n	n	n	2	n	n	
15	n	n	3	n	2	n	n	n	1	2	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	
16	n	n	5	n	6	n	n	n	59	11	2	n	n	n	n	n	2	2	n	n	n	n	1	2	n	
17	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	3	1	n	n	n	n	n	n	
Land Segment	Hypothetical Spill Location																									
	180	190	200	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V	
12	n	n	1	2	2	1	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
13	n	n	n	5	5	4	2	7	4	1	3	n	n	n	n	n	n	1	1	n	n	n	4	1	2	
14	n	n	n	4	3	2	1	4	1	2	2	1	n	n	n	n	n	1	1	n	2	1	1	n	1	
15	n	n	n	1	1	1	1	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	
16	n	n	n	28	4	26	10	19	9	10	21	8	n	n	n	n	3	7	12	6	23	9	12	6	9	
17	n	n	n	1	n	16	1	n	n	n	65	20	16	1	n	n	n	32	39	25	11	26	26	15	25	34
18	n	n	n	n	n	n	n	n	n	2	1	15	n	n	n	n	57	26	8	2	2	14	3	12	19	
19	n	n	n	n	n	n	n	n	n	1	1	5	n	n	n	n	2	10	6	12	1	22	1	32	10	

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																									
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC	
14	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	9	5	6	1	2	1	n	n	1	2	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n
17	17	6	12	2	5	3	1	n	1	2	2	2	1	n	n	3	1	n	n	1	n	n	n	n	n	n
18	7	1	3	1	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	26	69	35	74	38	15	2	91	71	40	30	19	9	2	n	42	24	82	81	42	3	6	n	n	n	n
20	n	n	n	3	6	1	n	6	11	10	5	3	1	n	n	8	7	14	11	20	15	16	1	n	n	n
21	n	n	n	1	n	n	n	1	1	2	2	1	n	n	n	n	3	2	1	3	75	15	1	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	1	10	1	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	19	9	1	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	26	6	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	4	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	7	1	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	7	1
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1

Land Segment	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
19	n	1	1	n	n
20	n	2	1	n	n
21	n	2	1	n	n
22	n	3	1	n	n
23	n	14	6	1	1
24	n	13	4	11	2
25	n	n	n	6	2
26	n	n	n	4	1
27	1	n	n	1	n
28	1	n	n	n	n
29	1	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-11. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 10 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	1
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n
44	n	n	n	n	n	n	n	n	n	n	1	1	1	2	3	4	17	n
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	6	n
46	n	n	n	n	n	n	n	n	n	n	1	1	1	1	1	2	12	n
47	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
48	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n
51	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
55	n	n	n	n	n	n	n	n	n	n	1	1	1	2	2	1	n	n
58	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161

Land Segment	Hypothetical Spill Location																								
	W01	W02	W03	W04	W05	W06	W07	W08	W09	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W20	W21	W22	W23	W24	W25
1	34	22	10	4	4	8	3	3	16	5	7	2	1	n	1	1	1	n	n	n	1	n	n	1	n
2	9	26	9	3	6	12	4	3	11	5	6	2	2	1	2	1	1	1	n	n	n	n	n	1	n
3	6	28	33	13	18	25	10	10	14	8	6	9	4	2	9	4	3	3	1	n	1	1	n	2	n
4	1	5	19	9	11	8	5	5	5	4	3	5	3	2	4	3	2	1	n	n	2	n	n	n	n
5	1	4	18	21	15	14	11	7	8	6	4	10	5	3	6	3	5	3	1	1	2	1	n	1	n
6	1	1	5	21	16	9	7	7	4	4	3	16	7	2	9	7	5	4	n	1	n	n	n	1	n
7	n	n	n	25	15	6	14	10	2	8	9	24	16	7	17	13	11	9	4	3	5	n	n	1	n
8	n	n	n	2	5	1	12	7	1	6	3	29	33	16	25	25	21	11	8	3	5	2	1	3	1
9	n	n	n	n	n	n	1	1	n	n	n	n	18	15	5	15	6	2	2	2	2	1	1	n	n
10	n	n	n	n	n	n	n	n	n	n	n	n	n	9	39	1	16	4	1	3	2	n	1	1	n
11	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n	1	n	n	n	1	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
58	36	9	4	2	4	6	2	2	17	4	8	1	n	n	1	1	n	n	n	n	n	1	n	1	1

Land Segment	Hypothetical Spill Location																								
	W26	W27	W28	W29	C30	C31	C32	C33	C34	C35	C36	C37	C38	C39	C40	C41	C42	C43	C44	C45	C46	C47	C48	C49	C50
1	n	2	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	n	1	n	n	2	1	3	1	1	1	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n
4	n	n	n	n	n	1	2	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	n	n	1	2	3	1	3	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	n	n	2	3	3	2	2	1	1	1	n	1	n	n	n	n	n	n	n	n	n	n
7	n	2	n	n	5	5	8	7	8	4	3	1	2	2	1	n	n	n	n	n	n	n	n	n	n
8	n	3	1	n	8	8	18	12	17	8	4	2	7	3	2	2	1	1	n	n	n	n	n	n	n
9	n	n	n	n	10	6	11	7	10	6	3	2	4	3	2	1	n	n	n	n	n	n	n	n	n
10	1	n	n	n	20	14	24	18	8	9	11	5	14	7	6	3	1	1	n	n	n	n	n	n	n
11	n	n	n	n	14	7	7	6	1	2	5	3	5	3	3	2	n	n	n	n	n	n	n	n	n
12	n	n	n	n	37	27	5	12	n	5	17	9	15	11	6	8	5	4	2	1	1	n	n	n	n
13	n	n	n	n	n	21	n	2	n	1	14	6	8	8	5	4	3	2	1	n	n	n	n	n	n
14	n	n	n	n	n	1	n	n	n	n	8	3	3	3	1	2	1	1	2	n	n	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	6	1	2	1	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	15	21	n	9	1	6	4	n	4	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	16	n	3	n	2	2	n	1	n	1	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
58	n	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																										
	C51	C52	C53	C54	C55	C56	C57	C58	C59	C60	C61	C62	C63	C64	C65	C66	C67	C68	C69	E70	E71	E72	E73	E74	E75		
8	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
9	1	1	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
10	2	1	n	1	1	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
11	1	1	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
12	7	5	n	1	1	5	2	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
13	2	2	n	1	2	2	2	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	
14	2	1	n	1	n	3	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
15	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
16	10	7	n	3	2	9	3	4	4	3	2	1	n	n	n	n	n	n	n	n	n	1	n	1	1		
17	28	9	n	2	2	8	6	5	3	2	2	1	n	n	n	n	n	n	n	1	1	n	1	n	1		
18	10	4	n	n	1	2	2	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
19	9	38	72	47	30	11	20	2	5	n	2	n	n	n	n	n	n	n	11	27	9	2	15	5	21		
20	n	2	22	20	16	n	5	n	1	n	n	n	n	n	n	n	n	n	36	42	9	2	11	3	6		
21	n	n	3	4	6	n	1	n	n	n	n	n	n	n	n	n	n	n	28	13	6	1	7	2	3		
22	n	n	n	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	10	4	4	1	3	2	3		
23	n	n	n	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	12	5	28	7	16	5	4		
24	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	28	27	11	9	3	3		
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	12	1	5	n	1		
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n	3	n	1		
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	3	n	n		
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n		
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n		
44	n	n	n	n	n	n	n	n	n	n	2	1	3	3	7	4	6	n	n	n	n	n	n	n	n		
45	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	1	n	n	n	n	n	n	n	n		
46	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	2	2	n	n	n	n	n	n	n	n		
48	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	n	n	n	n	n	n	n	n		
49	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n		
55	n	n	n	n	n	n	n	n	n	n	n	1	1	1	2	2	2	n	n	n	n	n	n	n	n		

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
19	3	n	n	2	n	n	2	n	n	n	2	n	n	n	1	n	n	n	1	n	n	n	n	n	n
20	2	n	n	1	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	2	n	n	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	5	n	n	1	1	1	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	3	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27	12	2	1	3	2	1	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	4	1	1	3	2	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	3	53	43	8	23	25	n	5	13	13	n	1	4	6	n	n	n	1	n	n	n	n	n	n	n
30	n	8	22	n	n	8	n	n	1	3	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
31	n	n	4	n	n	3	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
36	n	n	n	n	n	n	n	n	n	2	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	4	n	n	n	n	1	n	n	n
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	3	1	2	n
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	2	1	n

Land Segment	Hypothetical Spill Location																								
	E101	E102	E103	E104	E105	E106	E107	E108	E109	E110	E111	E112	E113	E114	E115	E116	E117	E118	E119	E120	E121	E122	E123	E124	E125
39	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	n	n	n	n	n	n	n	5	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
42	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	1	n	n	n
43	n	n	1	n	1	1	1	1	2	2	2	1	1	n	2	1	4	4	3	3	2	3	n	1	3
44	1	n	4	5	4	4	2	3	8	12	16	14	11	7	7	12	18	19	20	14	11	8	5	10	21
45	n	n	1	n	1	1	2	n	2	2	2	3	2	2	1	3	3	4	2	5	2	1	1	3	4
46	n	1	1	1	3	2	2	1	4	4	4	5	4	3	1	4	8	6	5	3	4	3	2	5	7
47	n	n	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n	1
48	n	n	n	n	n	1	n	n	n	1	n	1	1	n	n	1	2	1	n	1	n	n	n	n	n
49	n	n	n	n	1	n	n	n	1	1	3	2	1	1	n	3	2	2	1	1	n	n	n	2	2
50	n	n	n	n	n	1	n	n	1	2	1	1	1	n	n	2	1	3	1	1	n	n	n	1	2
51	n	n	n	n	n	n	n	n	1	1	1	1	n	n	n	1	1	n	n	n	n	n	1	n	1
55	1	n	2	2	2	1	2	1	3	3	3	3	4	2	2	3	5	2	2	2	2	2	5	3	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																			
	E126E	127E	128E	129E	130E	131E	132E	133E	134E	135E	136E	137E	138E	139E	140E	141E	142E	143E	144E	145
12	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	3	1	2	1	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	1	1	2	1	1	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	12	7	4	2	2	1	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	3	3	2	1	n	1	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
43	3	2	3	2	n	3	3	n	n	n	n	n	n	n	n	1	1	1	n	1
44	19	15	14	11	3	14	24	n	n	n	n	2	2	5	3	9	5	10	3	10
45	2	3	3	2	1	3	5	n	n	n	n	1	n	n	1	2	1	2	1	3
46	3	6	2	2	2	8	6	n	n	n	n	n	1	3	1	3	1	3	1	3
47	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	n	1	1	1	n	1	2	n	n	n	n	n	n	n	n	n	n	1	n	1
49	1	1	n	n	1	3	2	n	n	n	n	n	n	n	n	1	n	n	n	1
50	1	1	1	n	n	3	3	n	n	n	n	n	n	n	n	1	1	n	n	1
51	n	n	n	n	1	2	3	n	n	n	n	n	n	n	n	n	n	n	n	1
53	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
55	1	1	1	1	2	7	3	n	n	n	n	1	n	2	2	3	2	4	4	3

Note: ** = Greater than 99.5%; n = Less than 0.5%
 Segments with all values less than 0.5% are not shown.

Table C-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																	
	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10	F11	F12	F13	F14	F15	F16	F17	F18
1	5	2	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n
2	8	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	27	5	5	3	2	2	1	n	n	n	n	n	n	n	n	n	n	n
4	14	3	2	1	2	1	1	n	n	n	n	n	n	n	n	n	n	n
5	25	6	5	4	4	3	1	n	n	n	n	n	n	n	n	n	n	n
6	16	6	4	4	3	3	3	n	n	n	n	n	n	n	n	n	n	n
7	1	18	14	8	9	7	6	n	n	n	n	n	n	n	n	n	n	n
8	n	25	22	18	14	15	13	2	1	1	1	n	n	n	n	n	n	n
9	n	12	11	10	10	9	9	2	n	2	1	n	n	n	n	n	n	n
10	n	1	15	21	28	21	8	5	1	4	2	n	n	n	n	n	n	n
11	n	n	n	1	15	9	1	2	n	2	1	n	n	n	n	n	n	n
12	n	n	n	n	5	22	1	7	3	6	5	2	n	n	n	n	1	1
13	n	n	n	n	n	n	n	5	3	4	3	1	n	n	n	n	n	n
14	n	n	n	n	n	n	n	3	1	3	1	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	1	1	2	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	13	4	12	11	2	n	n	n	n	1	1
17	n	n	n	n	n	n	n	5	4	13	16	2	1	n	n	n	2	1
18	n	n	n	n	n	n	n	n	1	3	3	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	4	22	66	46	12	5	14	28	23
20	n	n	n	n	n	n	n	n	n	n	n	13	42	29	18	44	22	15
21	n	n	n	n	n	n	n	n	n	n	n	2	7	27	76	36	8	10
22	n	n	n	n	n	n	n	n	n	n	n	1	n	23	n	3	4	6
23	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	1	5	13
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3
58	3	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																														
	S3	S4	S5	S6	S7	S8	S9	S10	S12	S13	S14	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S29	S30	S31					
1	6	4	3	2	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
2	6	4	1	2	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
3	12	17	2	5	n	1	1	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
4	6	7	1	3	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
5	8	13	2	4	n	1	3	4	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
6	5	9	2	7	n	1	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
7	7	10	4	13	n	2	7	7	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
8	5	6	7	20	2	3	11	14	1	5	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n					
9	n	n	1	7	n	2	2	7	1	3	3	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n					
10	n	n	n	10	n	n	1	13	1	2	1	n	1	n	n	n	n	n	n	n	n	2	n	1	2	n					
11	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n					
12	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	1	n	n	n	3	n	2	4	1					
13	n	n	n	n	n	n	n	n	n	n	n	n	n	4	2	n	n	2	n	n	n	3	n	3	3	1					
14	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	1	n	n	n	1	n	n	2	n					
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	1	n	n					
16	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	1	n	2	n	n	3	6	1	4	5	1					
17	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	1	1	2	n	1	2	4	1	4	8	1					
18	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	3	n	1	1	n	1					
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	2	6	14	29	12					
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	3	21	2					
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	11	1					
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	1					
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	2					
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	1					
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	4	2	1	n	2	n	n	n					
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	1	n	n	n	n	n	n					
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n					
48	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n					
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	2	n	n	1	n	n	n					
58	5	5	2	n	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	1A	2A	3A	1B	2B	3B	4B	5B	1C	2C	3C	4C	1D	2D	1E	2E	3E	4E	5E	6E	7E	8E	9E	10E	11E
1	61	22	12	4	9	5	3	18	n	2	5	n	1	5	n	2	3	1	n	n	1	2	2	1	1
2	5	10	7	3	13	9	3	20	1	2	5	2	1	3	n	2	1	1	n	n	n	n	2	n	1
3	3	11	8	20	27	17	6	32	1	8	22	3	5	14	1	4	5	2	n	n	n	5	8	3	6
4	1	2	4	16	14	7	4	11	1	6	11	2	2	7	1	3	3	1	1	n	n	2	5	2	4
5	1	4	7	53	15	12	5	9	4	15	22	6	8	11	3	6	8	4	1	1	n	3	8	6	7
6	1	2	5	1	8	7	5	1	5	16	16	9	9	14	2	6	6	3	1	n	n	7	7	5	7
7	n	2	5	n	4	10	10	n	44	50	16	34	25	24	9	17	16	9	2	n	n	17	19	14	11
8	n	n	3	n	n	5	10	n	45	n	n	44	47	15	18	30	28	14	5	1	1	37	33	19	15
9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	18	18	10	7	1	1	n	22	6	5	1
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	48	8	3	3	2	n	n	2	n	1	n
58	24	31	11	1	6	4	2	7	n	1	3	n	1	2	n	1	n	n	n	1	1	1	1	n	1

Land Segment	Hypothetical Spill Location																								
	12E	13E	14E	15E	16E	1F	2F	1G	1H	2H	1I	1J	1K	1L	2L	3L	4L	5L	6L	1M	2M	1N	2N	3N	4N
1	n	1	1	1	2	n	1	n	1	1	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n
2	1	n	1	n	1	n	1	n	n	1	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n
3	3	1	2	3	5	1	2	n	2	3	1	1	1	1	2	1	n	1	n	n	1	n	n	n	n
4	1	2	n	1	3	n	1	n	2	2	1	1	n	1	1	n	1	1	n	1	n	n	n	n	n
5	3	1	1	3	7	1	3	1	1	3	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1
6	5	2	n	3	6	n	2	1	3	4	2	1	1	1	2	3	1	1	1	1	1	n	1	1	n
7	8	2	1	11	15	1	7	2	6	9	3	6	3	4	7	7	3	3	4	2	4	2	2	2	2
8	10	5	3	17	29	5	17	3	12	20	6	8	3	8	15	12	5	12	8	3	5	3	6	8	3
9	2	1	n	4	12	7	17	3	9	14	5	6	3	4	8	8	3	5	4	3	6	2	4	5	1
10	n	n	n	3	9	48	46	19	25	14	14	14	9	11	13	11	3	13	7	7	13	6	11	13	6
11	n	n	n	n	n	37	2	47	11	2	11	8	4	6	4	2	n	3	2	3	7	2	6	4	2
12	n	n	n	n	n	n	n	23	27	1	56	32	23	15	8	1	n	7	3	15	23	10	19	12	4
13	n	n	n	n	n	n	n	n	n	n	n	17	47	16	1	n	n	3	n	16	14	9	12	9	1
14	n	n	n	n	n	n	n	n	n	n	n	n	3	15	n	n	n	n	n	24	9	5	7	2	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	16	1	3	3	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	47	6	n	n
58	n	1	4	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	5N	6N	7N	8N	9N	10N	11N	12N	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170
3	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	1	2	n	n	n	n	1	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n
6	n	n	1	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	3	4	2	1	n	3	n	1	1	3	1	n	n	n	1	n	n	n	n	n	1	n	n
8	1	n	6	12	5	2	n	3	3	5	6	5	1	n	n	n	2	1	n	n	n	n	3	n	n
9	1	n	4	6	5	1	n	4	1	5	5	4	2	n	n	n	2	n	n	n	n	n	2	1	n
10	1	n	12	13	8	5	1	7	5	8	11	7	4	1	1	n	8	1	n	n	n	n	6	1	n
11	n	n	5	4	5	2	1	4	2	6	5	4	2	1	n	n	3	n	n	n	n	n	2	1	n
12	n	n	22	11	18	7	2	7	6	17	15	9	5	2	1	n	10	3	2	n	n	n	8	4	1
13	n	n	15	4	10	4	3	6	5	10	11	6	3	1	n	n	5	3	1	1	n	n	5	3	1
14	n	n	10	n	7	3	1	1	2	3	5	2	n	n	n	n	2	1	1	1	n	n	3	2	1
15	n	n	3	n	3	1	n	n	1	2	1	n	n	n	n	n	1	n	1	n	n	n	n	n	n
16	n	n	5	n	6	2	2	1	59	11	2	n	n	n	n	n	4	5	3	2	n	n	3	3	2
17	n	n	n	n	n	1	1	n	2	n	n	n	1	n	n	n	1	6	3	1	n	n	n	2	1
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	4	n	n	n
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																									
	18Q	19Q	20Q	1P	2P	1Q	2Q	3Q	4Q	1R	2R	1S	2S	3S	4S	5S	1T	2T	3T	4T	5T	1U	2U	1V	2V	
4	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
5	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	3	1	3	n	1	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	8	4	4	4	2	4	2	1	2	1	n	n	n	n	n	n	1	1	1	3	1	2	n	1
9	n	n	5	2	3	1	2	3	4	n	3	n	n	n	n	n	n	n	1	n	n	n	n	2	n	1
10	n	n	8	9	9	6	6	9	8	1	6	1	1	n	n	n	n	1	1	4	4	5	1	5	2	2
11	n	n	3	3	4	2	3	4	3	n	2	1	n	n	n	n	n	1	2	1	1	1	3	1	1	1
12	n	n	6	13	12	10	10	16	14	3	9	4	n	n	n	n	n	1	2	8	7	9	5	5	3	5
13	n	n	1	7	9	6	5	10	8	3	6	3	n	n	n	n	n	1	2	4	5	6	3	5	1	4
14	n	n	n	4	4	3	3	4	2	2	2	1	1	n	n	n	n	n	1	2	2	2	1	3	2	2
15	n	n	n	2	2	1	2	2	1	n	1	1	n	n	n	n	n	1	n	n	1	1	n	2	n	n
16	n	n	n	28	5	26	12	20	10	10	22	9	3	n	n	n	n	3	8	13	8	23	10	13	7	10
17	n	n	n	1	n	16	1	n	n	65	20	18	3	2	n	n	n	32	39	25	12	26	26	15	25	34
18	n	n	n	n	n	n	n	n	n	2	1	15	1	n	n	n	n	57	26	8	2	2	14	3	13	19
19	n	n	n	n	n	n	n	n	n	1	1	6	1	n	n	n	n	2	10	6	12	1	22	1	32	10
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
44	n	1	n	n	n	n	n	n	n	n	n	n	n	n	2	5	5	n	n	n	n	n	n	n	n	n
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	n	n	n	n	n	n	n	n	n	n
48	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
55	1	1	n	n	n	n	n	n	n	n	n	n	n	2	2	2	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location																								
	1W	1X	2X	1Y	2Y	3Y	4Y	1Z	2Z	3Z	4Z	5Z	6Z	7Z	8Z	9Z	10Z	1AA	1AB	2AB	1AC	2AC	3AC	4AC	5AC
8	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	3	1	2	1	n	n	n	n	1	1	1	1	n	n	n	n	1	n	n	n	n	n	n	n	n
11	1	1	1	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
12	6	3	3	1	2	2	1	n	n	1	1	1	2	1	n	2	1	n	n	n	n	n	n	n	n
13	4	1	3	1	2	2	1	n	n	1	2	2	1	1	n	2	1	n	n	n	n	n	n	n	n
14	2	1	2	n	1	1	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	10	5	8	2	4	4	3	n	2	3	2	3	3	3	1	4	1	n	n	1	n	n	n	n	n
17	17	6	12	3	6	6	3	n	1	3	3	4	4	4	2	4	2	n	n	2	n	n	n	n	n
18	7	1	4	1	1	1	1	n	n	1	n	2	1	1	1	1	1	n	n	1	n	n	n	n	n
19	26	69	35	76	44	21	8	91	74	51	44	35	26	10	3	48	38	82	83	49	5	16	7	3	3
20	n	n	n	4	11	5	1	7	13	16	15	11	6	3	1	13	18	15	13	29	18	23	5	2	1
21	n	n	n	1	1	1	n	1	2	3	5	3	2	1	n	1	6	2	2	5	75	18	4	1	n
22	n	n	n	n	n	n	n	n	n	1	1	2	2	1	n	n	1	n	n	1	1	11	4	1	1
23	n	n	n	n	n	n	n	n	n	1	1	n	1	n	n	n	2	n	n	1	n	21	14	4	1
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	33	13	3	3
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	5	1
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	9	2
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	6	9
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.

Table C-12. Conditional probabilities (expressed as percent chance) that an oil spill starting at a particular location in autumn season will contact a certain land segment within 30 days, Gulf of Mexico OCS Lease Sales 157 and 161 (cont.)

Land Segment	Hypothetical Spill Location				
	6AC	7AC	8AC	9AC	10AC
13	n	n	1	n	n
16	n	n	n	n	1
17	n	n	2	n	n
19	2	13	17	5	10
20	1	11	11	3	3
21	1	6	4	1	2
22	n	5	2	2	1
23	1	20	11	7	3
24	1	19	8	17	7
25	1	1	n	7	3
26	n	n	n	6	2
27	2	n	n	1	n
28	2	n	n	1	n
29	1	n	n	n	n

Land Segment	Hypothetical Spill Location																	
	11	12	13	14	15	16	17	18	19	110	111	112	113	114	115	116	117	118
1	8	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	5	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
3	8	1	n	n	3	n	n	n	n	n	2	n	n	n	n	n	n	n
4	3	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
5	4	1	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n
6	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	1	1	n	n	2	1	n	n	n	n	1	1	1	n	n	n	n	n
8	n	2	n	n	n	1	1	n	n	n	n	1	n	n	n	n	n	n
13	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	1
14	n	n	n	1	n	n	n	n	1	n	n	n	n	n	1	n	n	1
16	n	n	n	1	n	n	n	1	1	n	n	n	n	n	1	n	n	3
17	n	n	n	1	n	n	n	1	1	1	n	n	n	n	2	n	n	2
18	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	1
19	n	n	n	n	n	n	n	n	n	2	n	n	n	n	1	2	n	2
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
43	n	n	n	n	n	n	n	1	1	1	n	1	n	1	1	1	3	n
44	n	n	n	n	n	1	1	4	6	7	4	4	6	11	10	9	20	n
45	n	n	n	n	n	1	1	1	1	1	n	n	1	2	2	2	7	n
46	n	n	n	n	1	n	1	2	2	2	2	3	4	4	4	12	n	n
47	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
48	n	n	n	n	n	n	n	n	1	n	n	n	n	1	1	n	1	n
49	n	n	n	n	n	n	n	1	n	1	1	n	1	2	1	1	4	n
50	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	1	4	n
51	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	4	n
53	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
55	n	n	n	n	n	1	1	2	2	2	2	3	4	2	2	1	n	n
58	12	3	2	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n

Note: ** = Greater than 99.5%; n = Less than 0.5%
Segments with all values less than 0.5% are not shown.



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.

U.S. Department of the Interior
Minerals Management Service
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