AN OILSPILL RISK ANALYSIS FOR THE GULF OF MEXICO

(PROPOSED SALES 67 and 69)

OUTER CONTINENTAL SHELF LEASE AREA

By Robert P. LaBelle and Kenneth J. Lanfear

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Abstract

An oilspill risk analysis was conducted to determine the relative environmental hazards of developing oil in different regions of the Gulf of Mexico (Proposed Sales 67 and 69) Outer Continental Shelf (OCS) lease area. The probability of spill occurrences due to production and transportation of oil, likely movement of oil slicks, and locations of resources vulnerable to spilled oil were analyzed. The times between spill occurrence and contact with various resources were also estimated. The combined results yielded estimates of the overall risks associated with development of the proposed lease area. Depending upon the routes chosen to transport oil from OCS platforms to the shore, the leasing of the tracts proposed for OCS Sales 67 and 69 will result in a probability of 0.29 of one or more spills occurring. The estimated probability that land will be contacted by one or more oilspills that have been at sea 30 days or less is 0.17. The oilspill risks of Sales 67 and 69 are small in comparison to the risks associated with existing OCS leases or existing oil transportation in the Gulf of Mexico.

Introduction

The Federal Government has proposed to offer Outer Continental Shelf (OCS) lands off the Gulf of Mexico coast for oil and gas leasing. The risked mean estimate of the total oil resources for the proposed 233 tracts of Sale 67 and the 247 tracts of Sale 69 is 77 million barrels of crude oil. Risked mean estimates account for the possibility that oil may not be found or, if found, may not be of economically recoverable quantities in some or all of the tracts. Contingent upon actual discovery of oil, production is expected to span a period of 9 to 49 years, and to average 13 years. For purposes of this analysis, calculations are based on the average expected production life of 13 years.

Oilspills are a major problem arising from offshore oil production. An important fact that stands out when one attempts to evaluate the significance of accidental oilspills is that the problem is fundamentally probabilistic. Uncertainty exists about the amount of oil that will be produced from the leases and the number and size of spills that might occur during the life of production, as well as the wind and current conditions that would exist at the time of a spill and give direction to the oil slick. Although some of the uncertainty reflects incomplete and imperfect data, considerable uncertainty is simply inherent in predicting future events over which complete control cannot be exercised. Since it can not be predicted with certainty that a probabilistic event such as an oilspill will occur, only the likelihood of occurrence can be quantified. In addition, the range of possible effects that may accompany a decision on oil and gas production must be considered. In attempting to maintain perspective on the problem, each of these potential effects must be associated with a quantitative estimate of its probability of occurrence.

This report summarizes results of an oilspill risk analysis conducted for the proposed Gulf of Mexico OCS Lease Sales 67 and 69. The study had the objective of determining relative risks associated with oil and gas production in different regions of the proposed lease area. The study was undertaken for consideration in the draft environmental impact statements (EIS's) for the sales, which are prepared by the Bureau of Land Management (BLM), and to aid in the final selection of tracts to be offered for sale. A description of the oilspill trajectory analysis model used in this analysis can be found in previous papers (Lanfear and others, 1979; Smith and others, 1980). The analysis was conducted in three parts corresponding to different aspects of the overall problem. The first part dealt with the probability of oilspill occurrence, and the second with the trajectories of oilspills from potential launch points to various targets. Results of the first two parts of the analysis were then combined to give estimates of the overall oilspill risk associated with oil and gas production in the lease area.

Decisionmaking Under Risk and Uncertainty

Oilspill impacts result primarily from two events that are probabilistic in nature: oilspill occurrence caused by accidents, and oilspill movement directed by random winds and currents. Although an event such as an oilspill cannot be predicted with certainty, the likelihood of occurrence can be quantified. The likelihood that oilspills will result from an OCS leasing decision can be estimated, but whether they will actually occur can only be known after the area is explored and the oil, if any, is produced. This is in contrast to a deterministic situation where a particular action can be depended upon to produce a specific result.

In making decisions under risk and uncertainty, investigators must understand that a chosen action can have a range of possible outcomes. Generally, a desire to maximize the likelihood of the most favorable outcomes must be tempered by the need to minimize the probability of highly unfavorable outcomes. The U.S. Geological Survey Oilspill Trajectory Analysis (OSTA) Model was designed to reflect the range of possible outcomes of leasing decisions by estimating the probability of occurrence for each discrete outcome; specifically, it estimates the likelihood that a particular target will be contacted by 0, 1, 2, ..., N oilspills during the production life of an OCS lease area.

The probability that, if an oilspill occurs at a given launch point, it will contact a particular target is termed a conditional probability. Such conditional probabilities can be very useful in identifying those launch points at which an oilspill, if it occurs, will pose the highest risks to various targets. Tables of conditional probabilities can help the analyst to select alternatives that will reduce overall risk. However, conditional probabilities do not include the probability of oilspill occurrence. A tract that contains little or no oil is a small risk because, no matter how high the conditional probability of contacting a target may be, the small amount of oil makes it unlikely that an oilspill will occur. Also, conditional probabilities for spills originating at the production platforms do not necessarily reflect the risks of spills during transportation. For these reasons, analysts are cautioned against basing judgments solely upon conditional probabilities.

Summary of the Proposed Action and the Major Alternatives

The proposed action is to lease 233 tracts of Sale 67 and 247 tracts of Sale 69 on the Outer Continental Shelf off the U. S. coast in the Gulf of Mexico. The study area for this analysis includes all of these tracts and extends from latitude 18 degrees N to 31 degrees N, and from longitude 81 degrees W to 98 degrees W. Also included are reserves in existing tracts, as well as resources from sales already held and sales to be held in the area before Sales 67 and 69.

For purposes of this analysis, portions of the study area have been divided into 100 resource areas. Resource areas are defined as the locations of natural petroleum reservoirs, and are used as launch points for the simulated oilspills. The study area and these resource areas are shown on a Mercator projection map in figure 1. Also, both proposed and existing lease tracts will be represented by these resource areas (P1-P100), which are shown at a larger scale in figure 2. In figure 3, other possible oilspill sites are shown, including locations of tanker lightering areas (L1-L11), Mexican oil fields (S1-S3), the Ixtoc I spill site (IX), past tanker accident sites (S6, S7), potential resource areas (S4, S5, S8), and other potential launch points (S9-S29).

If oil is discovered and the area is developed for oil production, it is assumed that the oil will be transported to shore via the proposed and existing pipeline routes shown in figure 4a (I1 to I51, F1 to F31). Only major pipeline routes are being considered in this analysis, and in the Western Gulf such lines mainly carry gas and condensate. Such pipelines may terminate in refineries or connect to major land-based pipelines. Crude oil imported to the Gulf area is assumed to be transported via waterborne carriers, such as tankers and barges (T1 to T78, figure 4b). Cities with major refineries for the receipt of such imports include: Port Arthur, Galveston, and Corpus Christi, Texas; New Orleans and Lake Charles, Louisiana; Pascagoula, Mississippi; and Mobile, Alabama.

Environmental Resources

The locations of 19 categories of biological, recreational, and other resources (or targets, as they are designated in this paper) were digitized in the same coordinate system, or base map, as that used in trajectory simulations. Maps showing the digitized targets are shown in appendix A, figures A-1 to A-9. The monthly sensitivities of these targets were also recorded so that, for example, a target such as migrating birds could be contacted by simulated oilspills only when the birds would be present in the area. All targets are considered to be vulnerable year round unless otherwise indicated. The targets are listed below:

Coastal inlet areas
Sea grass beds
East and West Flower Garden Banks
Designated environmental preservation areas
Texas recreational beaches
Louisiana recreational beaches
Mississippi recreational beaches
Alabama recreational beaches
Florida recreational beaches
Historical/archeological sites
Brown pelican rookeries
Mississippi sandhill crane area

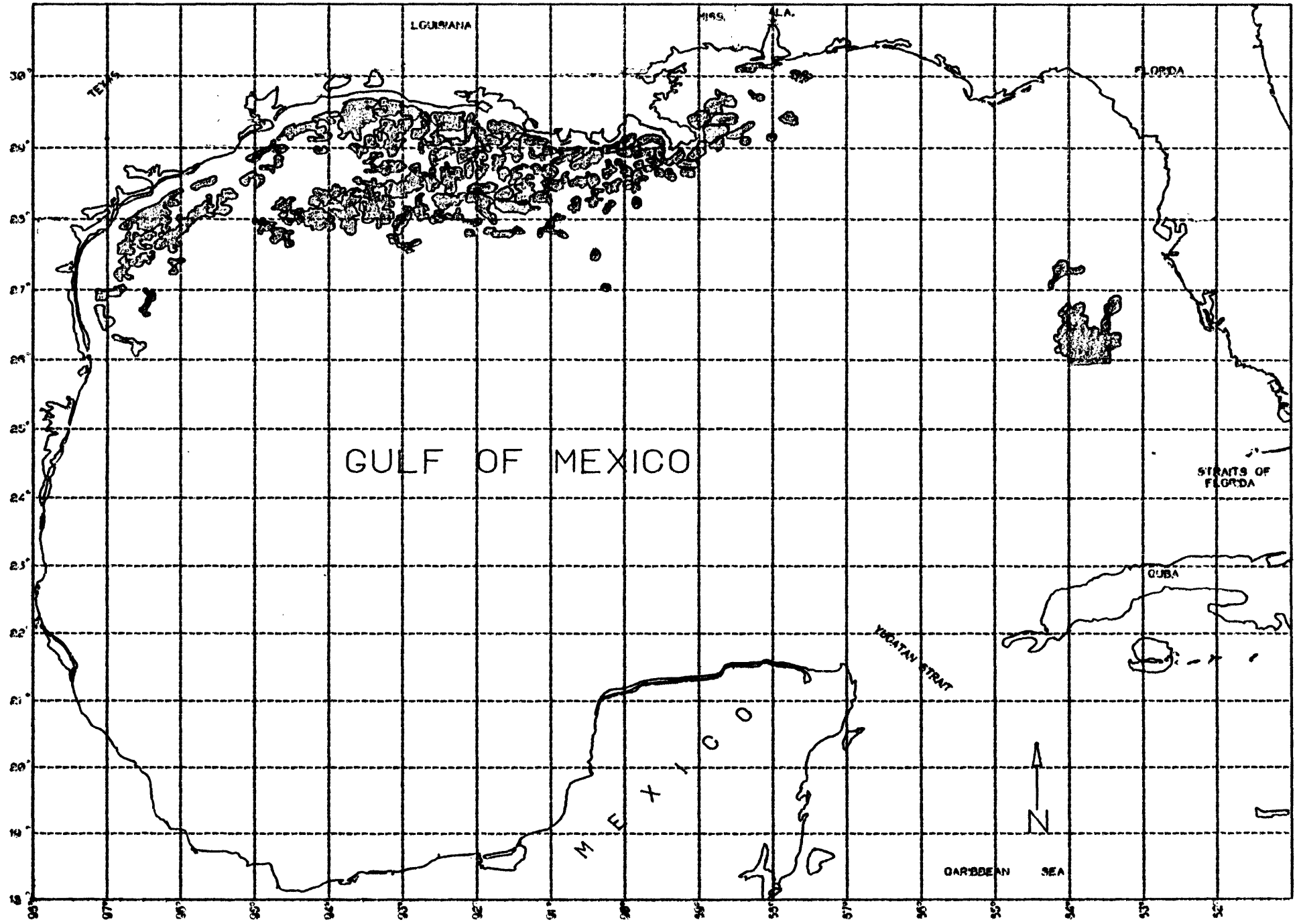


Figure 1.--Map showing the Gulf of Mexico OCS Lease Sales 67 and 69 study area and the resource areas.

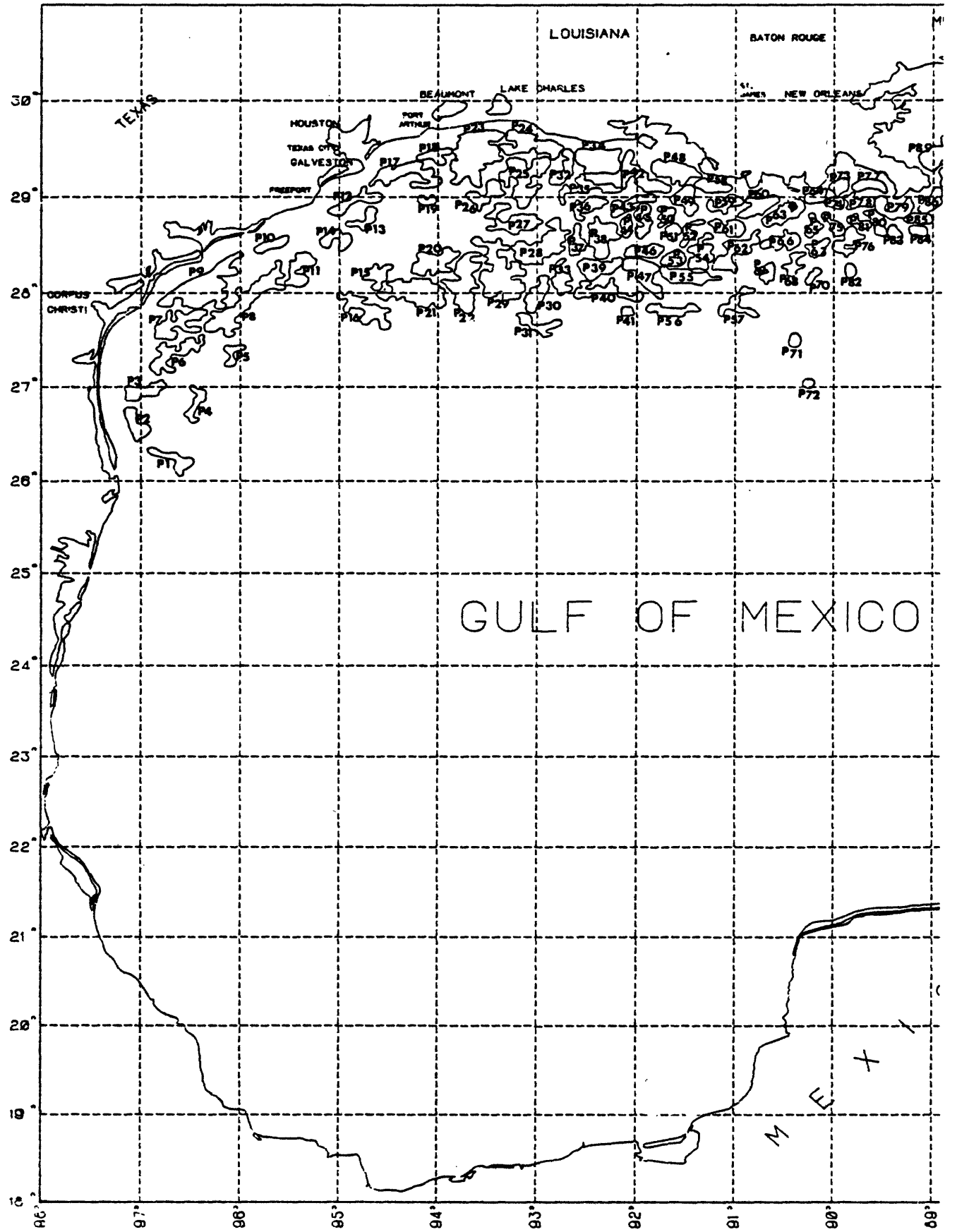


Figure 2.--Map showing specific numbered resource areas for Gulf of Mexico OCS Lease Sales 67 and 69.

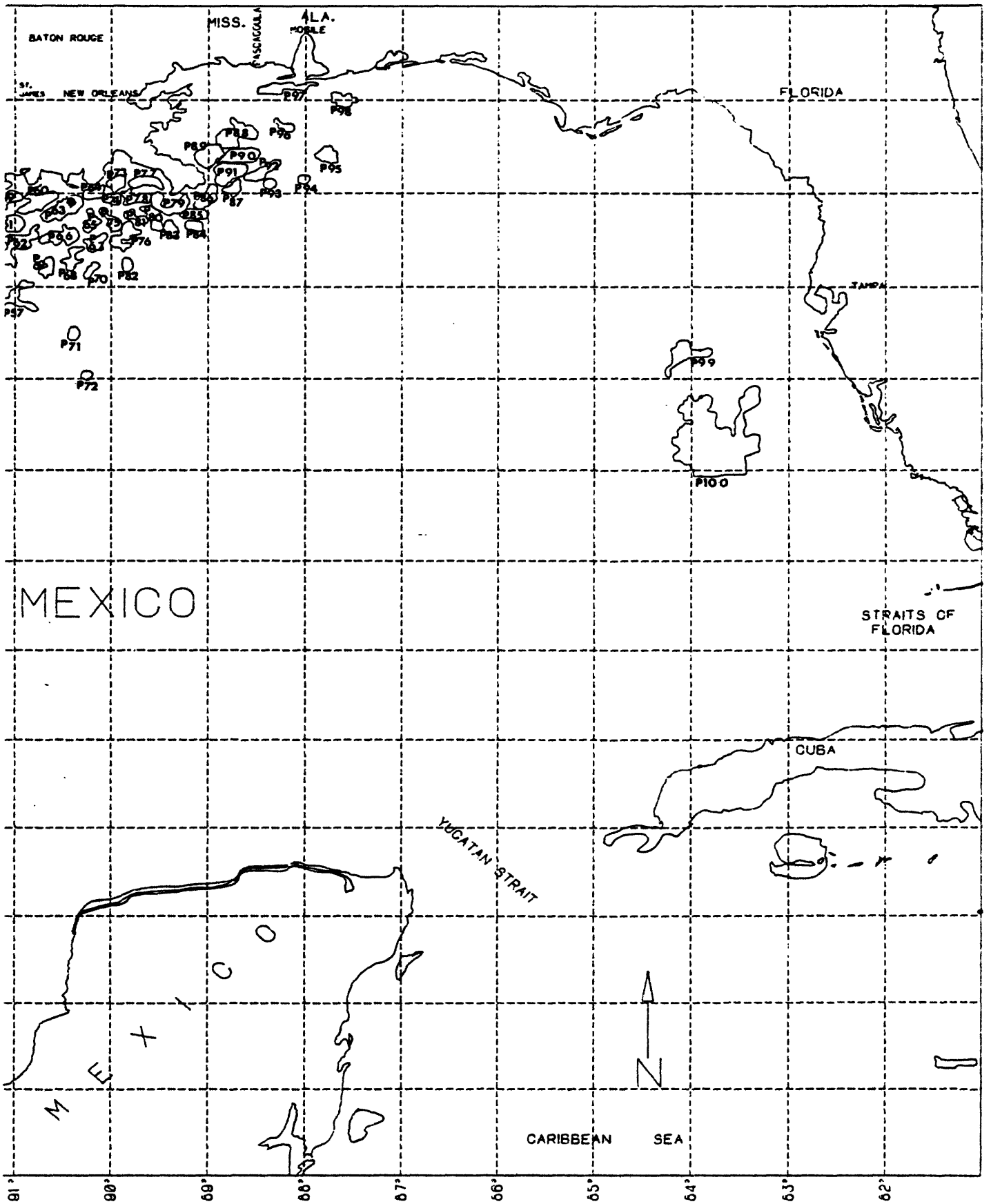


Figure 2.--(Continued).

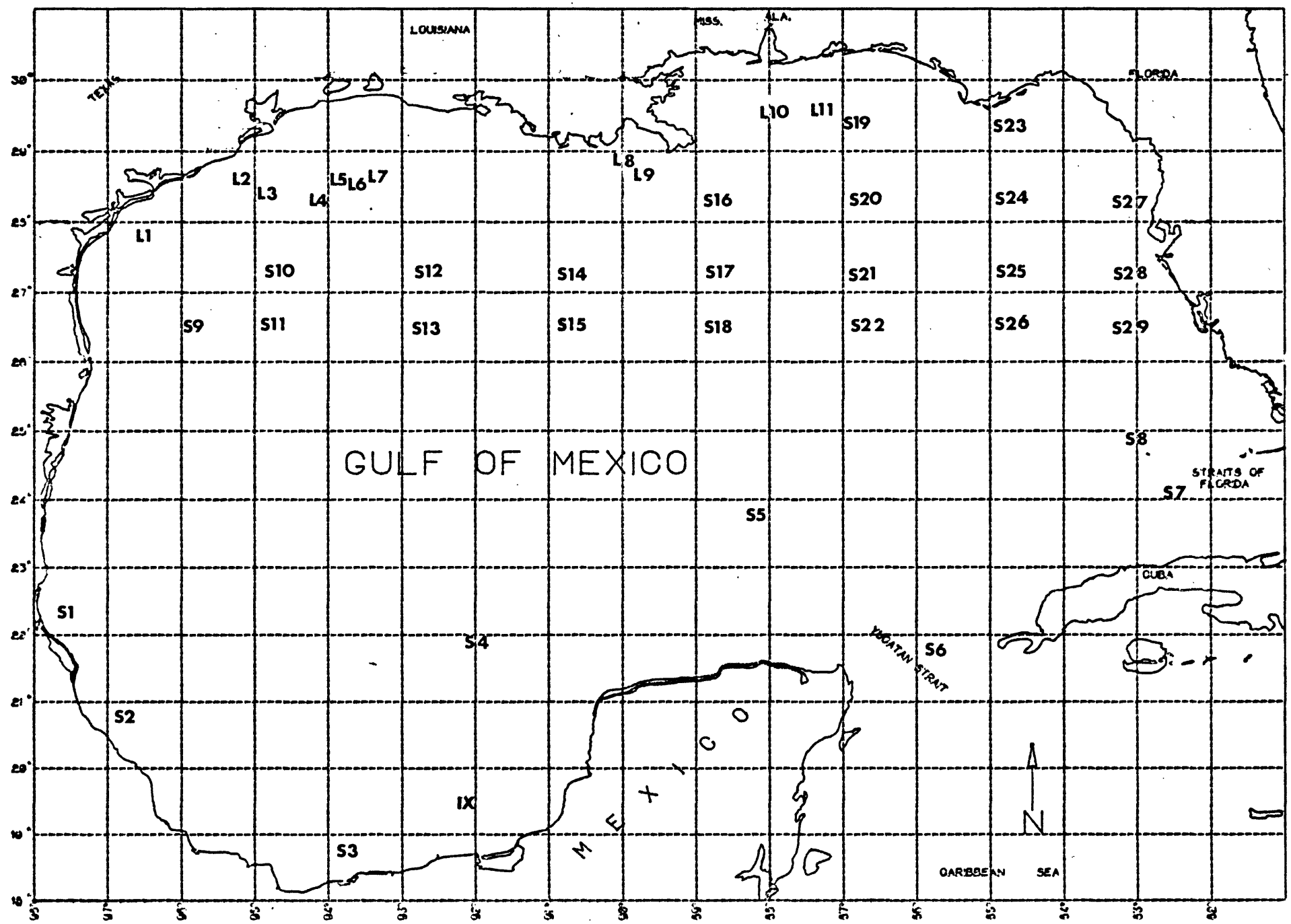


Figure 3.--Map showing additional launch sites for Gulf of Mexico OCS Lease Sales 67 and 69 (S1 to S29 represent possible spill sites, L1 to L11 are tanker lightering sites, IX is the Ixtoc I spill site).

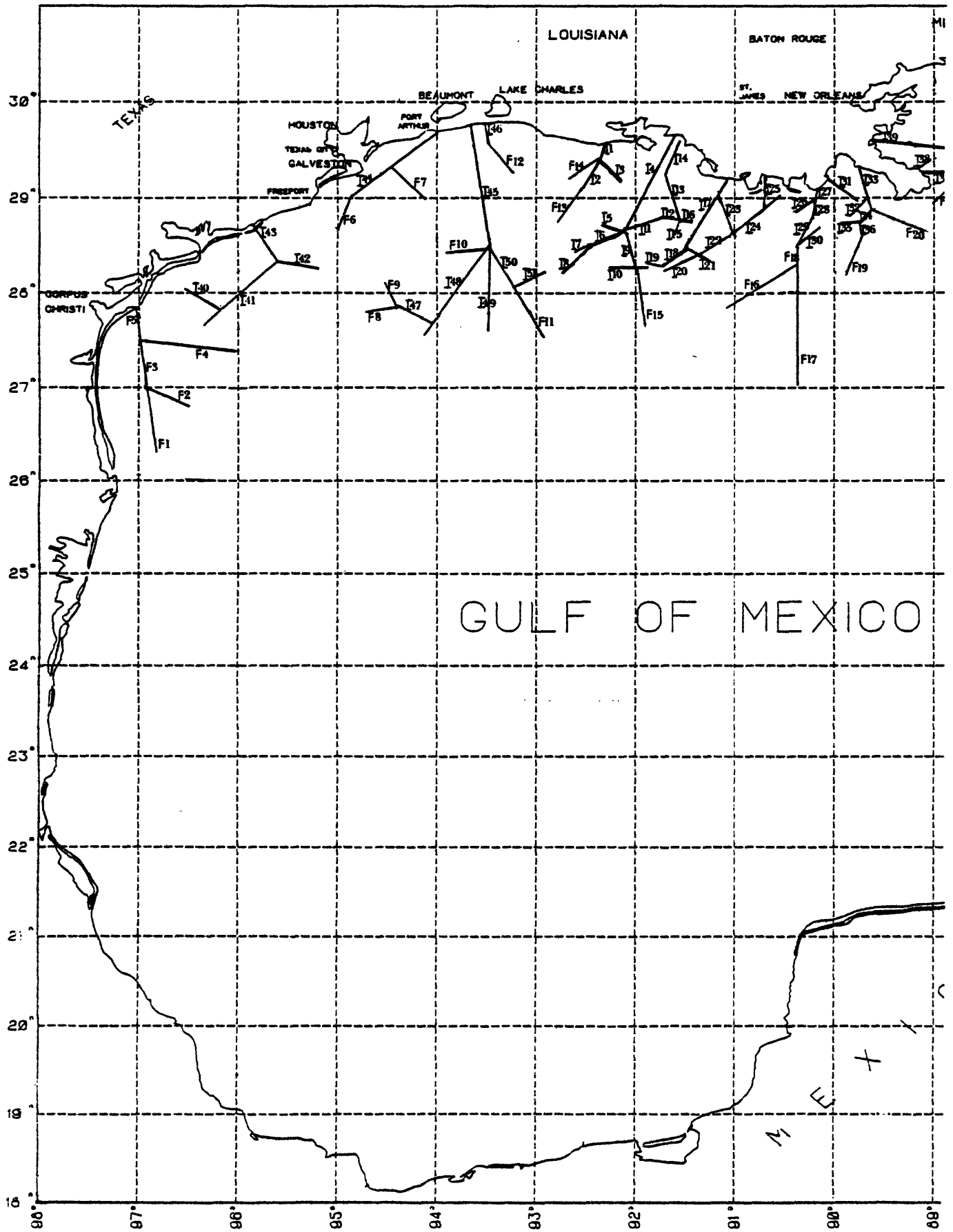


Figure 4(a).--Map showing the transportation route segments (I1 to I51 are existing pipelines, F1 to F31 are proposed pipelines).

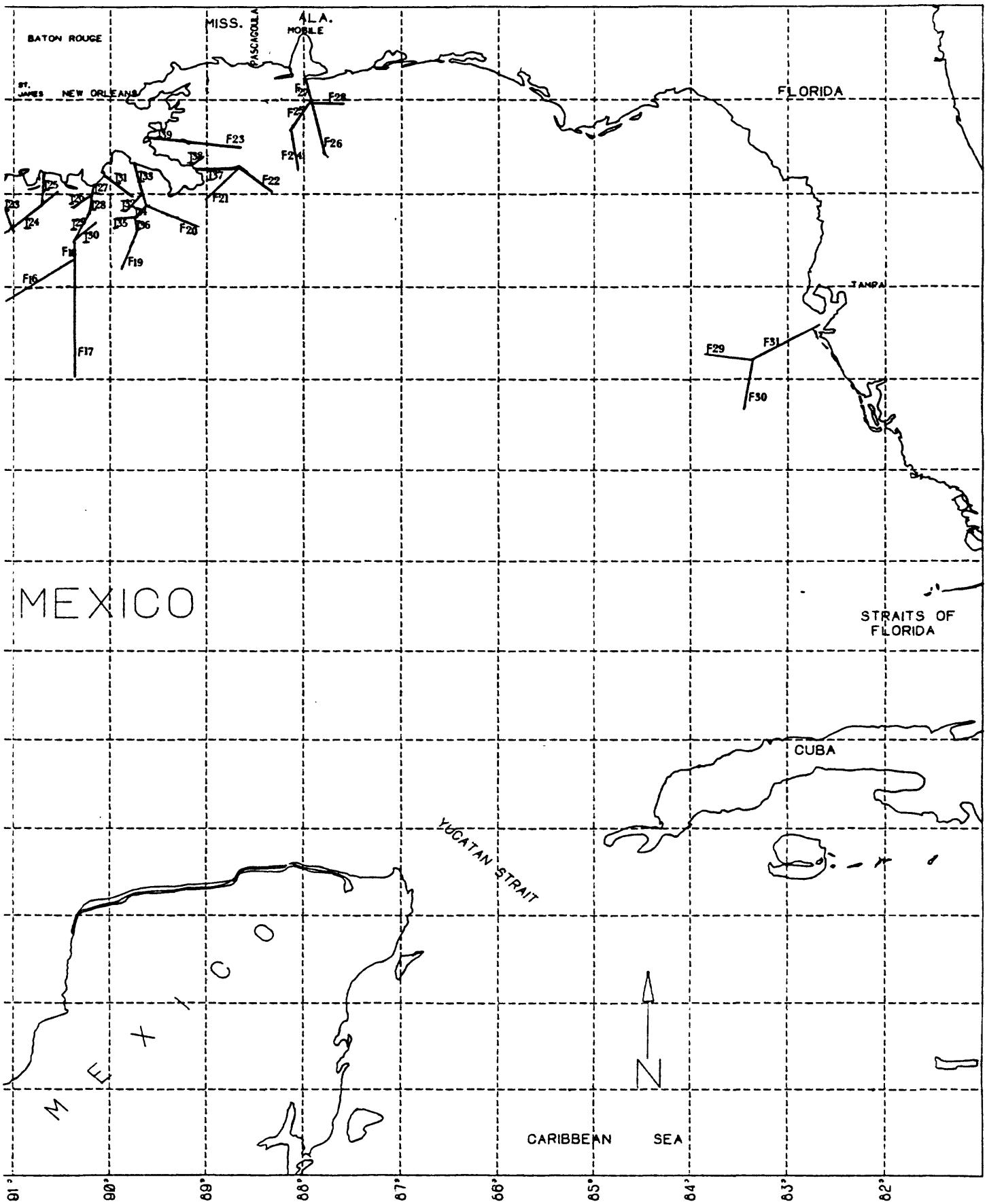


Figure 4(a).--(Continued).

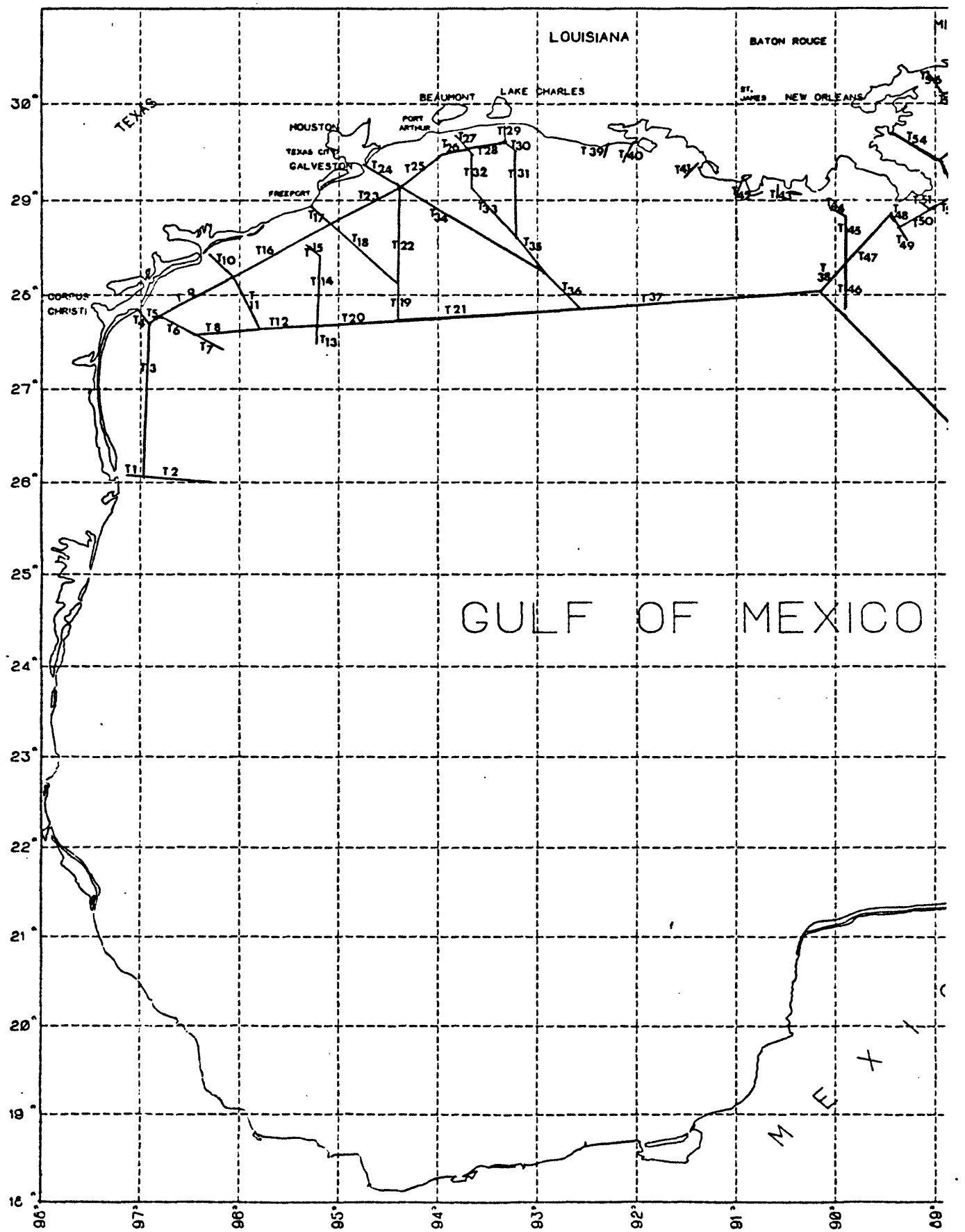


Figure 4(b).--Map showing the transportation route segments (T1 to T78 are existing water bourne transportation routes).

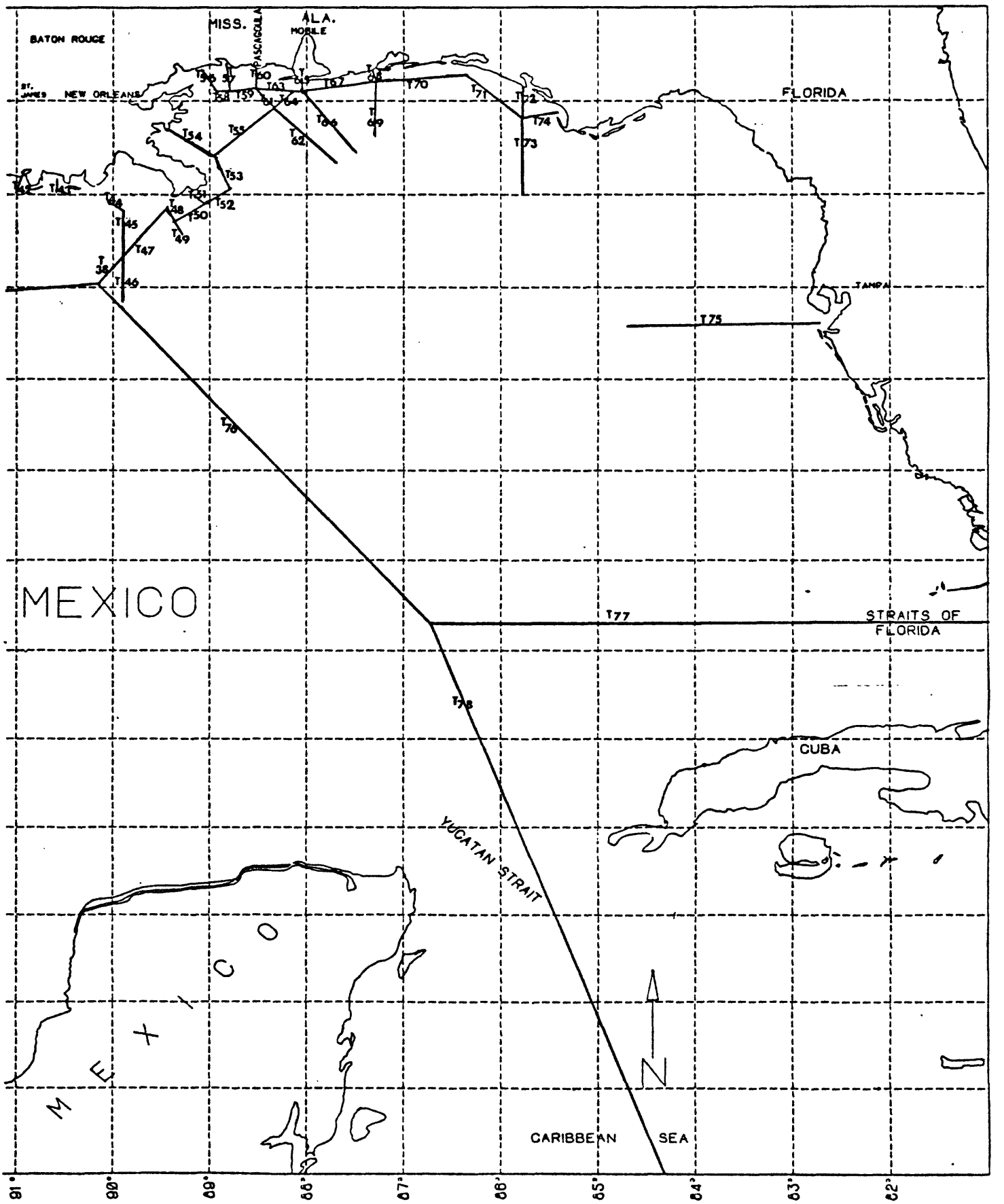


Figure 4(b).--(Continued).

Whooping crane area (vulnerable September through April)
Sea turtle nesting beaches (vulnerable April through September)
Manatee habitats
Dry Tortugas
Key West
Straits of Florida
Yucatan Strait

Because the trajectory model simulates an oilspill as a point, most targets have been given an areal extent slightly greater than they actually occupy. For example, some shoreline targets extend a short distance offshore; this allows the model to simulate a spill that approaches land, makes partial contact, withdraws, and continues on its way.

To provide a more detailed analysis for land or land-based targets, the model includes a feature that allows subdividing the coastline into land segments. Figure 5 shows the U.S. coastline divided into 41 segments selected by BLM analysts representing county boundaries; this is designated as set 1. Figure 6 shows the Gulf of Mexico coastline divided into 87 segments of approximately equal length; this is designated as set 2. U.S. county boundaries between segments 20 and 21 (set 1) are better represented by corresponding areas in set 2. Listed below are the U.S. county names and their corresponding segment numbers, set 1 and set 2:

County or Parish Name	Land Segment Numbers	
	Set 1	Set 2
Cameron, Tex.	1	1
Willacy, Tex.	2	2,3
Kenedy, Tex.	3	3,4
Kleberg, Tex.	4	5
Nueces, Tex.	5	5,6
Aransas, Tex.	6	6,7
Calhoun, Tex.	7	6,7
Matagorda, Tex.	8	7,8
Brazoria, Tex.	9	9,10
Galveston, Tex.	10	10,11
Chambers, Tex.	11	12
Jefferson, Tex.	12	12,13
Cameron, La.	13	13-16
Vermilion, La.	14	16,17
Iberia, La.	15	17,18
Saint Mary, La.	16	18
Terreborne, La.	17	19-21
Lafourche, La.	18	21
Jefferson, La.	19	22
Plaquemines, La.	20	22-25
Saint Bernard, La.		25-26
Orleans, La.		27

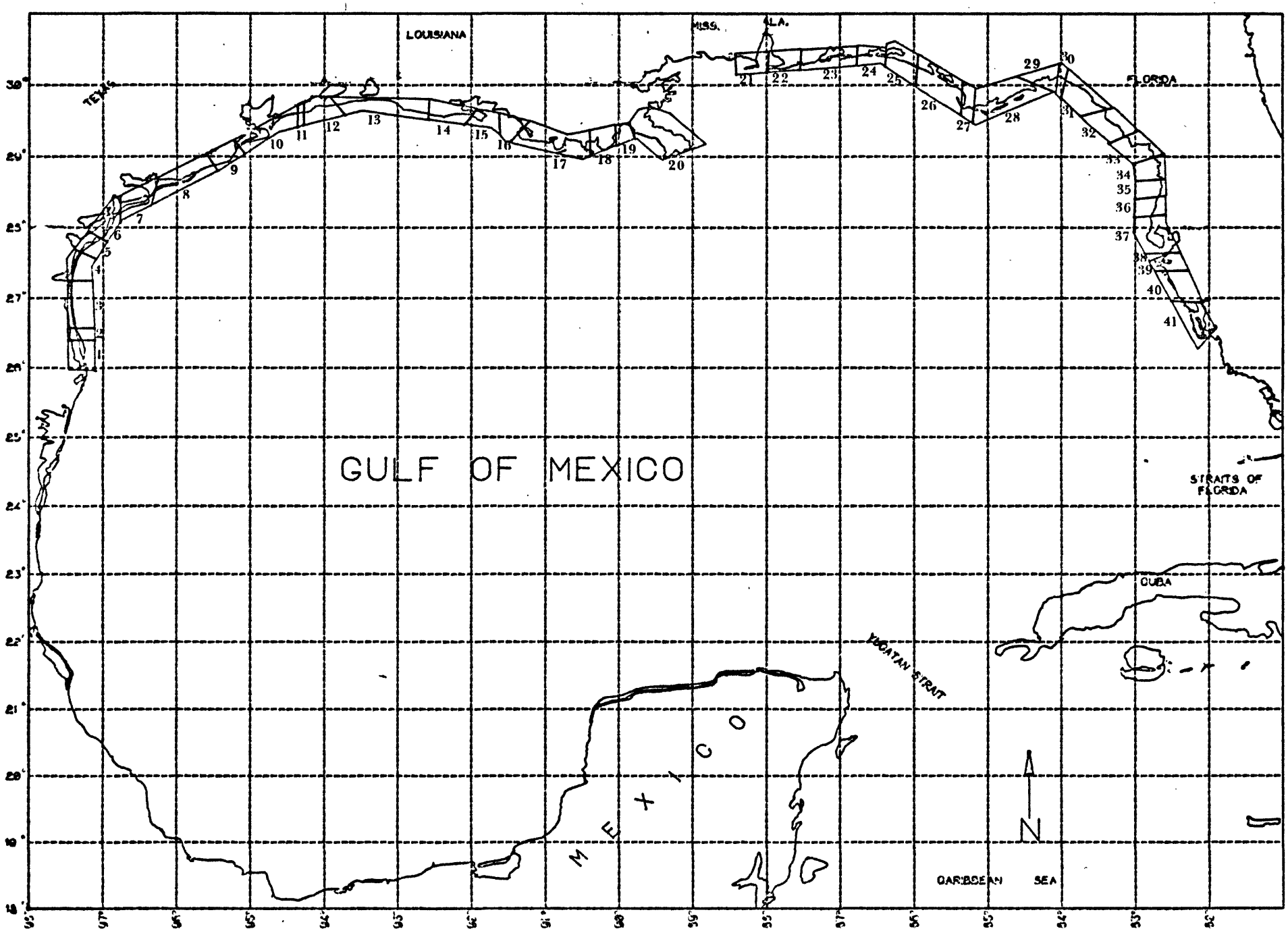


Figure 5.--Map showing the division of the Gulf of Mexico shoreline into 41 segments (representing county boundaries) selected by BLM (set 1).

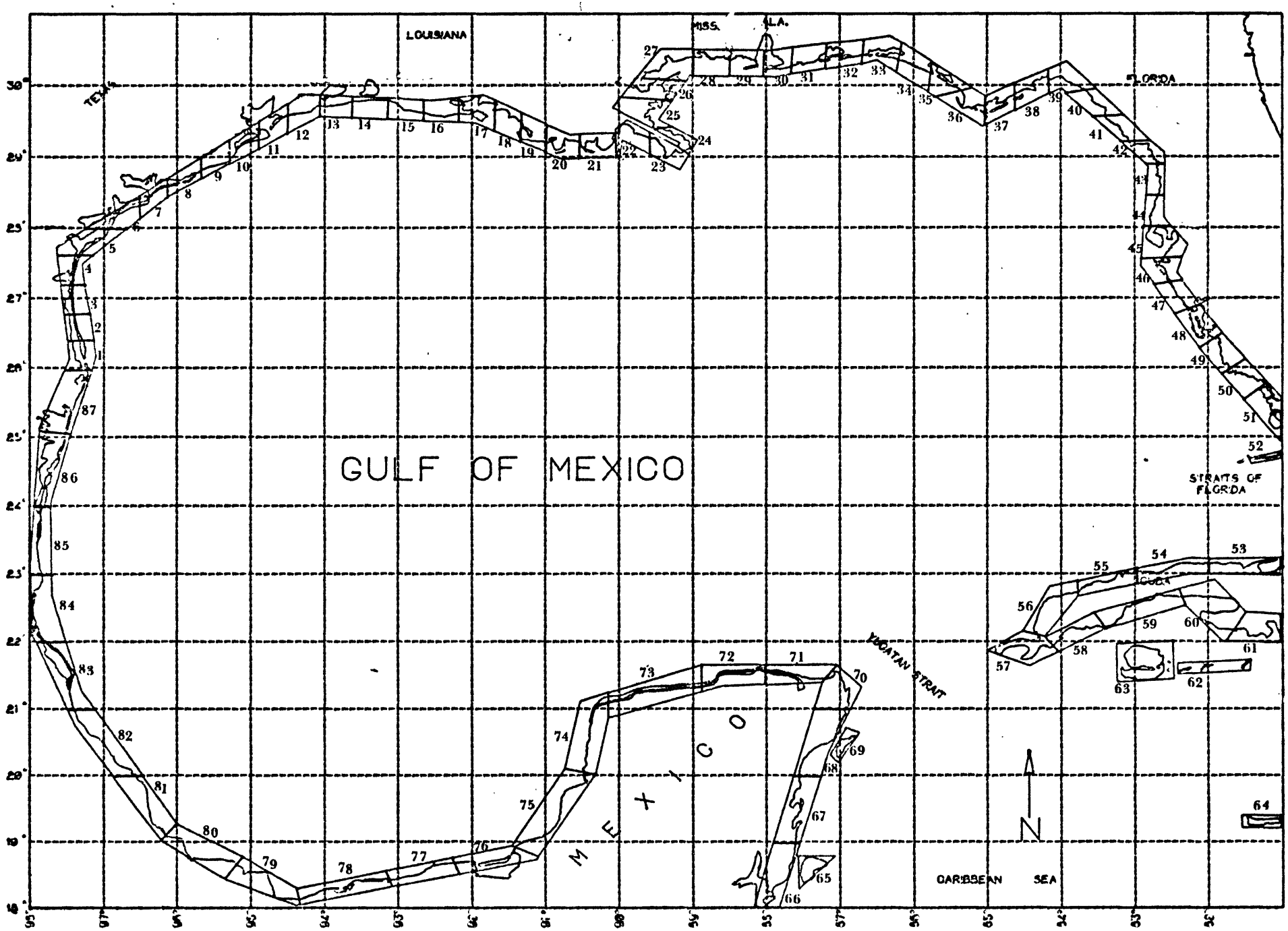


Figure 6.--Map showing the division of the Gulf of Mexico shoreline into 87 segments of approximately equal length (set 2).

Saint Tammany, La.		27
Hancock, Miss.		27
Harrison, Miss.		27,28
Jackson, Miss.		28,29
Mobile, Ala.	21	29
Baldwin, Ala.	22	30,31
Escambia, Fla.	23	31,32
Okaloosa, Fla.	24	32,33
Walton, Fla.	25	33,34
Bay, Fla.	26	34,35
Gulf, Fla.	27	36
Franklin, Fla.	28	36-38
Wakulla, Fla.	29	38,39
Jefferson, Fla.	30	39
Taylor, Fla.	31	39,40
Dixie, Fla.	32	41
Levy, Fla.	33	42
Citrus, Fla.	34	43
Hernando, Fla.	35	43,44
Pasco, Fla.	36	44
Pinellas, Fla.	37	44,45
Hillsborough, Fla.	38	45,46
Manatee, Fla.	39	46
Sarasota, Fla.	40	46
Charlotte, Fla.	41	47,48
Collier, Fla.		49
Monroe, Fla.		50,51
Dade, Fla.		52

Estimated Quantity of Oil Resources

Considerable uncertainty exists in estimating the volume of oil that will be discovered and produced as a result of an OCS lease sale. A question exists as to whether oilspill risk calculations should be based upon a single estimate of volume, or should consider volume as a random variable and include some probability distribution for volume in computing oilspill occurrence probabilities. The choice may depend upon how the results are to be incorporated into the benefit/risk analysis.

Benefits and risks (as well as many environmental impacts), are functions of the volume of oil, and are not independent of each other. Greater risks are associated with greater volumes of oil and greater economic benefits. If benefits are evaluated by assuming production of a specific amount of oil, then the corresponding risks should be stated in a conditional form such as, "the risks are ..., given that the volume is ..." If benefits are evaluated for a number of discrete volumes, then risks should likewise be calculated for the same volumes. Any statements about the likelihood of the presence of a particular volume of oil apply

equally well to the likelihood of the corresponding benefits and risks.

The estimated oil resources used for oilspill risk calculations in this report correspond to those used by BLM in preparing the draft EIS for the area; that is, they are "risked mean estimates", the amount of oil expected to result from the proposed sale. Risked mean estimates account for the possibility that oil may not be found or if found, may not be of economically recoverable quantities in some or all of the tracts. For oilspill calculations, the lease area was divided into resource areas (see fig. 2); the individual oil volume estimates for each of these resource areas are considered proprietary information. For the entire proposed leasing area, the risked mean estimate of total oil resources is 77 million barrels. Over the average 13-year production life expected for the Sales 67 and 69 leases, BLM estimates that 12.0 billion barrels of crude imported oil will be transported by waterborne carriers through the study area (U.S. Department of Energy, 1979). Interstate shipping in the Gulf area is not taken into account in this estimate, nor in this analysis.

Probability of Oilspills Occurring

Statistical distributions for estimating probabilities of oilspill occurrence were taken from Devanney and Stewart (1974) and Stewart (1975), and from USGS files of offshore platform accidents. Besides the fundamental assumption that realistic estimates of future spill frequencies can be based on past OCS experience, use of these distributions requires the further assumptions that spills occur independently of each other (as a Poisson process), and that the rate of spill occurrence is dependent on volume of oil produced and handled. The first assumption -- that past spill rates are indicative of future spill rates -- might be modified either by assuming a decrease in future spill rates because of experience and improved standards, or by assuming an increase because of unknown conditions in new territory. The assumption that spills occur independently of each other could be modified by assuming a positive correlation (if a spill occurs, conditions are such that more will follow shortly) or by assuming a negative correlation (if a spill occurs, extra precautions are taken). This analysis takes the middle ground between these two assumptions by using the historic spill rates. The final assumption -- that the spill rate is a function of the volume of oil handled -- might be modified on the basis of size, extent, frequency, or duration of the handling. In the case of tanker transport, for example, the number of port calls and the number of tanker-years have been contemplated (Stewart, 1976; and Stewart and Kennedy, 1978). This analysis is based on volume of oil handled, since all other estimates must ultimately be derived from this quantity.

Spill frequency estimates for oilspills greater than 1,000 barrels were calculated for production and transportation of oil from Sales 67 and 69, from existing leases, and for existing waterborne transportation of imported oil in the study area. The assumption was made that only

one-half of the spills from waterborne transportation of imported oil would occur within the study area. Table 1 shows the expected number of spills and the most likely number of spills that will occur during the entire expected production life of the lease area. Figure 7 shows the probability that 0, 1, 2, ..., N spills will occur due to proposed and existing leases.

Oilspill Trajectory Simulations

The trajectory simulation portion of the model consists of a large number of hypothetical oilspill trajectories that collectively represent both the general trend and the variability of winds and currents, and which can be described in statistical terms. Representations of seasonal surface water velocity fields were based upon data supplied by Dynalysis, Inc. (Princeton, New Jersey) under contract to the BLM Environmental Studies Program. The currents are geostrophically derived assuming a level of no motion at the bottom of the water column and are calculated using all available hydrographic data. Short-term patterns in wind variability were characterized by a probability matrix for successive 3-hour velocity transitions. A first-order Markov process with 41 wind velocity states (eight compass directions by five wind speed classes, and a calm condition) was assumed. Wind transition matrices were calculated from the U.S. Weather Service records from Key West, Fla. (station number 12836); environmental buoy number 42001 (located at latitude 26.0 degrees N, longitude 90.0 degrees W); and environmental buoy number 42002 (located at latitude 26.0 degrees N, longitude 93.5 degrees W). The study area was divided into zones so that a simulated oilspill would, depending upon its location, be directed according to the matrix of the appropriate wind station.

Five hundred hypothetical oilspill trajectories were simulated in Monte-Carlo fashion for each of the four seasons from 100 potential oilspill locations in the proposed and existing lease areas (P1 to P100, see fig. 2); from 160 locations along the transportation network (T1 to T78, I1 to I51, F1 to F31, fig. 4); and from 41 other possible spill sites (S1 to S29, L1 to L11, IX, fig. 3). Each potential spill source was represented as either a single point, a straight line with the potential spills uniformly distributed along the line (for example, a transportation route), or as an area (for example, the potential spills uniformly distributed within the area).

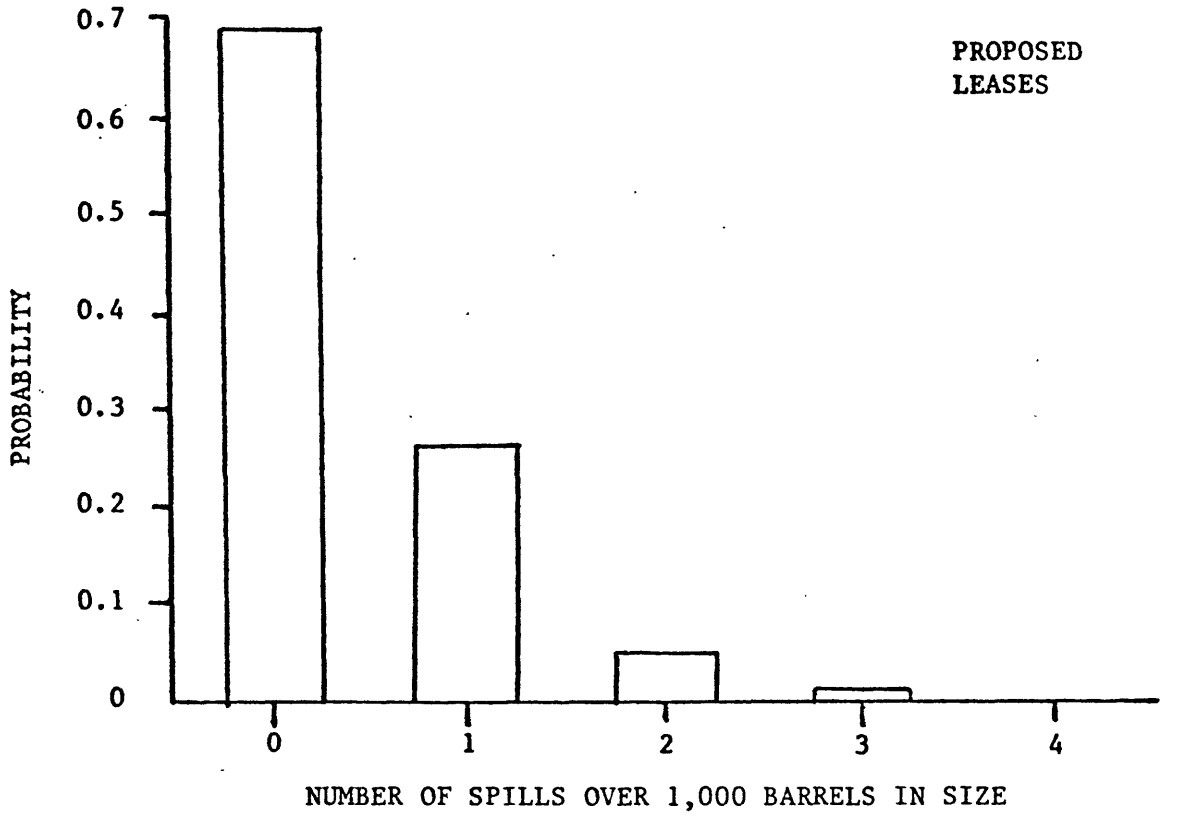
The standard deviation, S, of the Monte-Carlo method for simulating binomial probabilities is:

$$S=SQRT(P*(1-P)/N)$$

where P is the probability of the event occurring and N is the number of trials. In this analysis, 2,000 trajectories were simulated per launch point. This results in a Monte-Carlo error in the estimate of a probability of no more than 0.02 at the 95-percent level of

Table 1. -- Oilspill probability estimates for spills greater than 1,000 barrels resulting over the expected production life of OCS Lease Sales 67 and 69, from existing Federal leases, or from existing oil transportation in the study area.

	Expected number of spills (mean)	Most likely number of spills (mode)	Probability of one or more spills
Sales 67 and 69	0.34	0	0.29
Existing leases	14.97	14	0.99+
Sales 67 and 69 & existing leases	15.31	15	0.99+
Existing transportation (waterborne)	23.23	23	0.99+



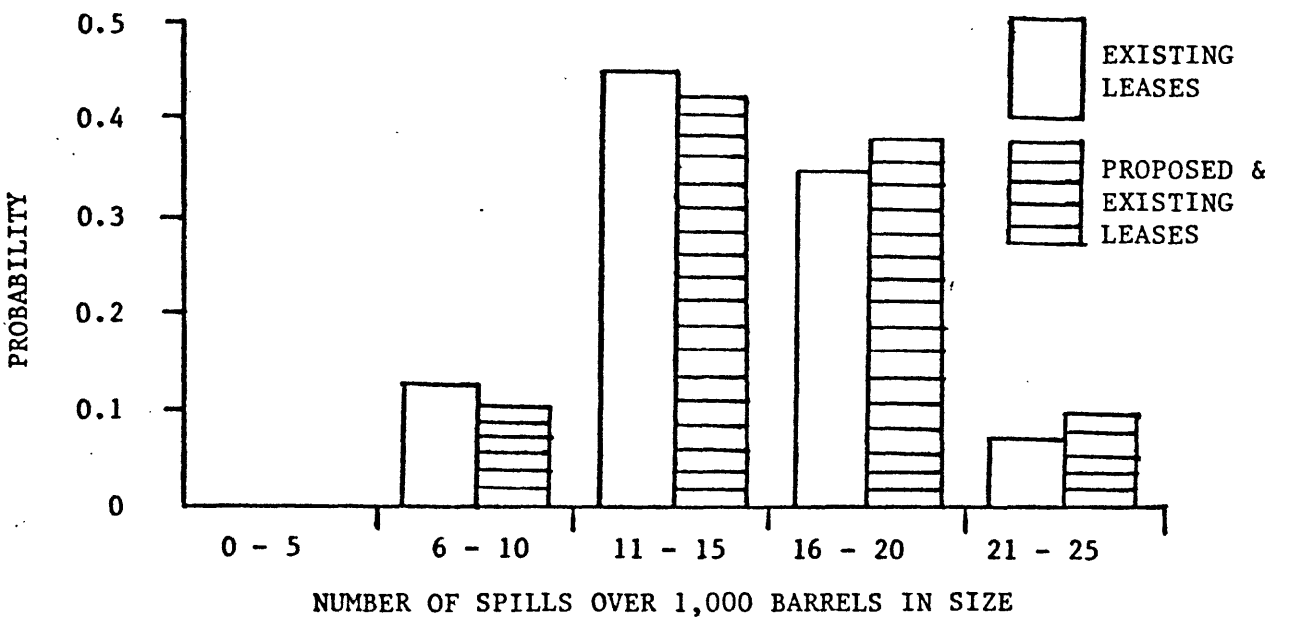


Figure 7. --Estimated frequency distributions for oilspills greater than 1,000 barrels occurring in the study area during the expected production life of the Sales 67 and 69 leases.

significance. Therefore, for all practical purposes, the accuracy of the model is limited by the accuracy of the wind and current data, not the Monte-Carlo error.

Surface transport of the oil slick for each spill was simulated as a series of straight-line displacements of a point under the joint influence of winds and currents for a 3-hour period. For each of these periods the wind transition probability matrix was randomly sampled for a new wind speed and direction, and the current velocity was updated as the spill changed location or the simulated month changed. The wind drift factor was taken to be 0.035 with a drift angle of 20 degrees clockwise. As the simulated oilspill was moved, any contacts with targets were recorded. Spill movement continued until the spill hit land, moved off the map, or aged more than 30 days.

It should be emphasized that the trajectories simulated by the model represent only hypothetical pathways of oil slicks and do not involve any direct consideration of cleanup, dispersion, or weathering processes which could determine the quantity or toxicity of oil that might eventually come in contact with targets. An implicit analysis of weathering and decay can be considered by noting the age of simulated oilspills when they contact targets. For this analysis, three time periods were selected: 3 days, to represent diminished toxicity of the spill; 10 days, to allow for deployment of cleanup equipment; and 30 days, to represent the difficulty of tracking or locating spills after this time.

Each entry in tables 2, 3, and 4 represents the probability (expressed as percent chance) that, if a spill starts from a certain location, it will contact a particular target within 3, 10, or 30 days, respectively. Tables 5 to 10 present similar probabilities for land segments (sets 1 and 2). These conditional probabilities allow for the possibility that the targets may not be vulnerable to oilspills for the entire year; a target which is vulnerable for only 1 month, for example, could have a conditional probability no higher than about 1/12.

Table 2. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	5	39	23	n	n	6	28	4	59	64	5	63	21	13	n	n	42	55	1	n	n	n	36	59	7
Coastal Inlet Areas	1	8	1	n	n	n	1	1	7	29	4	3	1	5	n	n	9	1	n	n	n	n	3	n	n
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	32	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	2	15	9	n	n	3	7	n	1	n	1	41	15	7	n	n	13	17	n	n	n	n	5	n	n
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	1	10	n	n	n	n	1	n	n	n	n	15	52	3	1	n	14	1	1	n	n	n	n	n	n
Brown Pelican	n	n	n	n	n	5	17	2	41	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	5	n	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	1	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
Land	n	n	n	n	n	n	18	n	52	7	3	n	n	n	n	n	25	2	n	1	n	n	50	6	n
Coastal Inlet Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	n	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 Banks	n	n	1	15	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	n	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 Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Brown Pelican	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	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 percent; n = less than 0.5 percent.

Table 2. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Target	Hypothetical Spill Location																								
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75.
Land	n	1	n	n	n	n	n	57	33	50	5	2	39	83	20	4	2	n	n	n	n	n	83	59	25
Coastal Inlet Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	n	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 Rec. Beaches	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
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	n	n	n	1	n	n	n	3	47	30	32	10	5	n	n	3	n	n	n	n	n	n	8	n	n
Brown Pelican	n	n	..	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	61	5	1
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	P76	P77	P78	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100
Land	3	59	31	60	9	11	n	23	31	56	63	10	3	33	3	17	n	n	n	n	2	54	38	n	n
Coastal Inlet Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	23	43	n	n
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	71	66	22	10	n	n	n	n	4	42	7	n	n
TX Rec. Beaches	n	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 Rec. Beaches	n	10	6	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	20	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	53	49	n	n
FL Rec. Beaches	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
Hist./Arch. Sites	n	7	2	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	2	52	6	n	n
Brown Pelican	1	32	21	2	3	5	n	n	n	n	n	n	60	15	21	5	n	n	n	n	1	1	n	n	n
MI Sandhill Crane	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
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	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 percent; n = less than 0.5 percent.

Table 2. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Target	Hypothetical Spill Location																							
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25
Land	78	9	31	90	77	34	1	n	55	77	10	n	n	1	15	44	75	8	n	n	n	6	47	76	46
Coastal Inlet Areas	25	2	4	8	6	1	n	n	4	33	3	n	n	n	9	19	29	2	n	n	n	2	5	48	3
Sea Grass Beds	n	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 Banks	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
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	51	4	17	77	35	6	n	n	2	n	n	n	n	n	6	8	18	2	n	n	n	4	31	62	8
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	4	1	5	8	5	1	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	11	27	62	5
Brown Pelican	n	n	10	82	41	13	1	n	37	76	11	n	n	n	n	5	n	n	n	n	n	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	2	4	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	35	3	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46	T47	T48	T49	T50
Land	62	76	60	79	48	5	22	n	3	n	n	n	n	81	80	61	83	84	49	8	n	7	43	30	62
Coastal Inlet Areas	8	25	4	n	n	n	4	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	28	11	2	n	n	n	7	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
LA Rec. Beaches	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
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	10	3	1	n	n	n	n	n	n
Brown Pelican	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	1	n	n	1	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	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 percent; n = less than 0.5 percent.

Table 2. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Target	Hypothetical Spill Location																							
	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71	T72	T73	T74	T75
Land	81	48	26	62	4	84	67	45	26	60	14	2	44	28	77	15	74	91	19	65	27	36	2	38	3
Coastal Inlet Areas	n	n	n	n	n	n	n	n	n	n	n	1	7	9	87	14	81	92	21	34	7	36	2	49	6
Sea Grass Beds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	6	6
Flower Garden Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	23	45	57	5	22	48	86	67	65	5	56	23	4	1	32	**	24	12	2	48	2	42	10
TX Rec. Beaches	n	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 Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	3	92	70	61	73	63	43	2	27	7	1	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	1	2	2	35	32	93	20	76	4	6	1	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	89	12	71	33	31	1	17	4
Hist./Arch. Sites	n	n	n	n	1	52	65	52	30	7	5	2	41	35	88	16	24	92	10	15	n	n	n	n	12
Brown Pelican	n	n	6	5	36	1	1	3	3	1	2	n	1	n	n	n	n	n	n	n	n	n	n	1	9
MI Sandhill Crane	n	n	n	n	n	1	45	5	19	30	8	n	7	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	T76	T77	T78	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11
Land	n	n	n	41	29	n	n	n	n	n	54	7	n	n	74	29	36	35	n	n	n	n	n	n	n
Coastal Inlet Areas	n	n	n	3	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	n	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 Banks	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
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	n	n	n	2	15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
LA Rec. Beaches	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
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	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
Brown Pelican	n	n	n	31	n	n	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	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
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	5	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 percent; n = less than 0.5 percent.

Table 2. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Target	Hypothetical Spill Location																								
	I12	I13	I14	I15	I16	I17	I18	I19	I20	I21	I22	I23	I24	I25	I26	I27	I28	I29	I30	I31	I32	I33	I34	I35	I36
Land	n	10	68	n	1	29	n	n	n	n	n	14	37	89	61	95	58	14	7	78	26	58	8	17	4
Coastal Inlet Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	n	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 Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	5	8	1	1	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	n	n	n	n	n	1	n	n	n	n	5	58	31	5	n	n	n	n	n	3	2	5	n	n	n
Brown Pelican	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	27	21	25	6	4	1
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	I37	I38	I39	I40	I41	I42	I43	I44	I45	I46	I47	I48	I49	I50	I51	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
Land	45	61	91	33	14	12	77	79	17	81	n	n	n	n	n	10	3	40	18	92	46	25	n	n	n
Coastal Inlet Areas	n	n	n	1	4	6	13	9	3	1	n	n	n	n	n	2	n	n	1	1	2	7	n	n	n
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	n	n	n	4	46	9	5	n	n	n	n	n	n	n	n	n	1
Env. Preser. Areas	20	46	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	n	n	n	n	n	1	n	43	3	1	n	n	n	n	n	4	2	19	10	72	24	10	n	n	n
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	n	n	n	n	n	n	n	16	n	n	n	n	n	n	n	3	n	n	1	12	8	12	n	n	n
Brown Pelican	8	2	n	19	7	n	1	n	n	n	n	n	n	n	n	n	n	8	14	81	n	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	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
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	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 percent; n = less than 0.5 percent.

Table 2. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Target	Hypothetical Spill Location																								
	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	S1	S2	S3	S4
Land	n	25	1	35	n	n	n	1	n	31	40	1	20	n	5	3	56	21	n	n	1	51	29	5	n
Coastal Inlet Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	55	23	n	n	2	n	n	n	n
Sea Grass Beds	n	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 Banks	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
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	4	1	66	n	1	n	2	1	n	n	7	n	n	n	n
TX Rec. Beaches	n	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 Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	5	66	31	n	n	n	n	n	n	n
FL Rec. Beaches	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
Hist./Arch. Sites	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	3	64	13	n	n	15	n	n	n	n
Brown Pelican	n	n	n	n	n	n	n	n	n	1	2	1	34	n	n	n	n	n	n	n	16	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	43	n	n	n	n	n	n
Coastal Inlet Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	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 Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	52	n	n	n	n	n	n
TX Rec. Beaches	n	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 Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	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
Hist./Arch. Sites	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	56	n	n	n	n	n	n
Brown Pelican	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	35	n	n	n	n	n	n
Manatee	n	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	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	6	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 percent; n = less than 0.5 percent.

Table 3. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	65	97	95	46	46	87	92	75	95	94	72	92	79	75	28	10	90	91	70	17	8	4	80	85	55
Coastal Inlet Areas	11	14	3	4	3	5	4	11	10	36	29	11	11	31	9	4	19	6	12	2	2	n	7	1	3
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	34	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	28	42	50	24	8	43	29	4	5	1	3	52	44	26	12	2	33	27	28	11	3	3	18	2	5
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	12	15	2	4	1	4	2	n	1	n	n	17	57	3	10	1	31	9	30	18	9	6	5	n	1
Brown Pelican	n	n	5	9	25	33	43	39	59	11	10	n	n	1	n	n	n	n	n	n	n	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	5	3	11	8	17	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	13	9	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
Land	51	22	4	4	n	n	61	n	77	47	37	6	9	1	n	n	66	36	16	36	5	1	79	47	30
Coastal Inlet Areas	4	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	n	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 Banks	1	2	7	24	20	30	n	10	n	n	n	2	1	3	2	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	14	5	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	4	2	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Brown Pelican	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	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 percent; n = less than 0.5 percent.
Condensate spills may not persist at sea for more than several days.

Table 3. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location																								
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75
Land	16	22	5	8	1	n	2	77	59	70	35	19	71	93	66	44	48	29	12	22	1	n	95	84	72
Coastal Inlet Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	n	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 Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	30	3	2
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	n	1	n	2	n	n	3	3	48	35	36	20	17	3	9	26	7	20	21	11	1	n	10	3	4
Brown Pelican	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	61	6	3
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	Hypothetical Spill Location																								
	P76	P77	P78	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100
Land	57	91	83	88	65	68	31	65	73	82	84	49	74	91	56	61	19	8	4	12	38	86	71	n	n
Coastal Inlet Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	8	1	23	67	n	n
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	7	34	89	73	69	49	38	15	4	8	63	52	14	n	n
TX Rec. Beaches	n	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 Rec. Beaches	4	20	20	7	13	9	1	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	2	15	1	8	4	5	3	1	3	31	31	2	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	4	12	8	54	72	n	n
FL Rec. Beaches	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
Hist./Arch. Sites	2	13	9	4	6	5	1	3	n	n	n	1	10	1	5	2	3	2	3	11	21	61	24	n	n
Brown Pelican	8	41	37	13	26	18	3	12	2	2	3	19	71	20	48	26	22	8	1	1	16	6	1	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	1	2	n	2	1	1	1	n	1	9	16	1	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	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 percent; n = less than 0.5 percent.
Condensate spills may not persist at sea for more than several days.

Table 3. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location																							
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25
Land	98	63	96	**	99	93	73	66	95	97	73	30	10	45	78	89	94	52	6	6	n	55	88	96	90
Coastal Inlet Areas	28	11	8	8	6	4	4	4	7	36	13	7	2	19	35	32	37	17	3	2	n	11	15	52	11
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	31	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	58	25	49	82	46	27	17	9	9	1	2	n	n	3	15	10	22	19	3	n	n	34	50	73	25
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	9	12	11	8	6	2	1	1	1	n	n	n	n	n	n	n	n	8	5	n	1	37	33	71	20
Brown Pelican	n	n	14	83	46	34	35	40	56	87	53	19	5	7	5	20	1	n	n	1	n	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	2	9	9	11	17	5	7	2	n	n	n	2	n	n	n	n	n	n	n	n	n
Sea Turtle	41	17	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46	T47	T48	T49	T50
Land	91	94	89	94	84	45	79	36	36	3	n	2	22	90	91	88	89	92	81	60	17	58	77	69	82
Coastal Inlet Areas	11	26	7	2	3	3	10	3	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	n	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 Banks	n	n	n	n	n	1	n	2	4	8	10	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	38	17	10	3	4	7	27	11	16	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	n	7	8	5	1
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	6	2	2	1	1	1	6	3	14	n	n	3	4	n	n	n	10	7	3	3	1	4	4	3	1
Brown Pelican	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	5	1	15	15	11	3
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	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 percent; n = less than 0.5 percent.

Table 3. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location																								
	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71	T72	T73	T74	T75
Land	93	75	76	98	73	99	96	96	90	93	77	30	83	71	87	45	86	96	58	85	65	63	14	63	3
Coastal Inlet Areas	n	n	n	n	n	n	n	n	n	n	n	4	7	9	87	28	87	96	58	46	20	42	6	55	6
Sea Grass Beds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	8	8	14
Flower Garden Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	1	12	48	46	86	6	22	49	89	67	92	43	69	60	14	18	37	**	39	18	3	50	5	47	11
TX Rec. Beaches	n	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 Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	1	2	1	23	92	71	67	80	64	68	21	40	31	7	8	2	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	1	n	n	n	n	1	3	12	37	37	94	44	79	7	36	5	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	89	16	82	67	56	13	38	4
Hist./Arch. Sites	n	n	1	n	14	52	67	58	50	19	31	18	54	51	90	39	30	92	18	20	1	n	n	n	12
Brown Pelican	1	6	18	6	48	2	4	6	10	6	13	8	7	10	3	3	1	n	n	n	n	n	n	1	9
MI Sandhill Crane	n	n	n	n	7	1	46	7	28	38	30	7	20	15	3	3	1	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	T76	T77	T78	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11
Land	1	2	n	94	83	55	11	35	16	10	81	65	12	16	86	65	71	62	15	6	3	2	4	1	23
Coastal Inlet Areas	n	n	n	6	39	24	1	7	2	1	n	n	3	16	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	1	6	n	n	n	n	n	n	n	n	1	1	2	5	n	1	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	19	5	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	n	n	n	16	24	19	5	22	8	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
LA Rec. Beaches	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
MI Rec. Beaches	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
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	8	18	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	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
Hist./Arch. Sites	n	n	n	1	n	2	16	24	10	3	4	3	9	8	n	n	n	n	n	n	n	n	n	n	n
Brown Pelican	n	n	n	54	4	1	n	n	n	n	3	10	5	n	n	n	n	n	n	n	n	n	n	n	n
MI Sandhill Crane	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
Whooping Crane	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
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Key West	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	10	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 percent; n = less than 0.5 percent.

Table 3. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location																								
	I12	I13	I14	I15	I16	I17	I18	I19	I20	I21	I22	I23	I24	I25	I26	I27	I28	I29	I30	I31	I32	I33	I34	I35	I36
Land	30	54	85	22	30	48	4	2	3	6	14	46	60	93	82	98	80	59	56	93	80	90	72	71	64
Coastal Inlet Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	n	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 Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	28	18	18	16	5	8
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	n	n	n	n	n	2	n	n	n	1	6	60	36	6	8	1	5	14	15	4	8	10	7	3	4
Brown Pelican	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	30	34	36	30	11	17
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

	I37	I38	I39	I40	I41	I42	I43	I44	I45	I46	I47	I48	I49	I50	I51	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
Land	82	97	**	90	83	76	96	96	57	94	2	4	2	4	n	89	81	98	82	**	87	83	4	11	14
Coastal Inlet Areas	n	n	n	3	13	31	17	13	7	2	n	1	n	1	n	9	4	1	4	1	14	21	2	4	3
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	1	n	n	5	50	16	20	n	n	n	n	n	n	n	n	n	3
Env. Preser. Areas	43	47	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	n	n	n	6	4	3	n	52	15	4	1	3	1	2	n	43	44	53	36	77	38	38	1	5	8
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	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
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	2	n	n	1	n	n	n	22	5	1	2	6	2	2	n	11	6	1	2	12	9	37	1	5	11
Brown Pelican	21	4	n	49	44	10	8	n	n	n	n	n	n	n	n	1	6	11	38	82	1	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	20	8	1	1	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	2	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	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 percent; n = less than 0.5 percent.

Table 3. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location																							
	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	S1	S2	S3	S4
Land	n	76	28	68	n	7	4	35	39	73	73	22	84	10	42	29	78	62	n	n	3	99	89	21	n
Coastal Inlet Areas	n	5	n	n	n	n	n	n	n	n	n	n	n	2	8	11	57	41	n	n	2	n	n	n	n
Sea Grass Beds	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
Flower Garden Banks	31	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	29	34	81	22	47	26	21	19	n	n	8	n	n	n	n
TX Rec. Beaches	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
LA Rec. Beaches	n	n	n	n	n	n	n	n	3	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	1	3	4	7	23	11	9	8	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	1	n	5	24	23	76	60	n	n	n	n	n	n	n
FL Rec. Beaches	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
Hist./Arch. Sites	n	1	n	n	n	11	6	23	1	4	1	2	3	6	30	23	76	43	n	n	15	n	n	n	n
Brown Pelican	n	n	n	n	n	n	n	n	5	13	16	24	42	6	10	4	4	3	n	n	16	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	1	1	2	9	4	4	3	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29
Land	n	n	n	n	5	n	n	n	n	n	n	35	6	n	10	n	n	n	64	n	n	n	n	n	n
Coastal Inlet Areas	n	n	n	n	1	n	n	n	n	n	n	n	n	n	7	n	n	n	1	n	n	n	n	n	n
Sea Grass Beds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	n	**	8	n
Flower Garden Banks	n	n	n	n	n	n	n	12	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	2	n	n	5	n	n	n	68	n	n	n	1	n	n
TX Rec. Beaches	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
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	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
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	3	n	n	n	n	n	n
Hist./Arch. Sites	n	n	n	n	1	n	n	n	n	n	n	n	n	n	3	n	n	n	59	n	n	n	n	n	n
Brown Pelican	n	n	n	n	1	n	n	n	n	n	n	2	n	n	n	n	n	n	18	n	n	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	41	n	n	n	n	n	n
Manatee	n	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	6	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Key West	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	6	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 percent; n = less than 0.5 percent.

Table 4. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	**	**	**	**	99	**	**	99	**	**	99	99	97	98	87	82	98	99	96	84	79	73	97	98	93
Coastal Inlet Areas	13	14	3	7	6	6	5	12	10	37	32	12	16	35	25	20	22	8	19	18	20	16	10	3	8
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	34	n	n	1
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	44	43	52	51	30	50	32	12	7	2	8	53	46	29	24	15	36	30	36	36	25	30	25	6	19
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	15	15	3	7	3	4	3	1	1	n	n	17	57	3	10	3	32	11	34	30	16	27	10	3	11
Brown Pelican	2	1	6	19	40	35	45	48	60	13	22	2	6	10	15	22	1	1	2	7	12	5	1	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	1	9	3	11	11	17	2	4	1	1	2	3	5	n	n	n	1	2	1	n	n	n
Sea Turtle	14	9	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
Land	93	86	74	73	62	53	93	65	94	87	83	75	71	63	53	44	88	80	71	78	64	55	91	79	73
Coastal Inlet Areas	13	13	11	13	9	8	5	10	2	5	5	8	6	7	5	3	1	3	4	3	4	3	n	1	2
Sea Grass Beds	n	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 Banks	1	3	11	26	26	41	1	19	1	2	3	8	7	13	14	15	1	3	5	3	7	10	1	2	4
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	31	29	25	27	24	21	12	22	4	11	11	18	13	17	12	10	4	8	9	6	9	8	1	2	5
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	17	18	18	22	18	18	6	16	2	7	7	12	8	11	9	7	2	5	6	4	5	5	1	2	3
Brown Pelican	1	1	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	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 percent; n = less than 0.5 percent.
Condensate spills may not persist at sea for more than several days.

Table 4. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Target	Hypothetical Spill Location																								
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75
Land	67	66	58	58	52	40	41	90	82	85	72	62	85	96	81	71	75	64	55	62	35	19	98	92	85
Coastal Inlet Areas	2	1	2	1	2	2	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	n	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 Banks	4	3	5	3	7	8	2	1	2	1	1	3	1	n	n	1	n	1	2	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	5	3	4	2	4	4	1	1	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	30	3	2
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	3	2	2	3	2	2	4	4	48	36	36	21	19	3	13	28	15	27	24	24	14	7	11	6	8
Brown Pelican	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	61	7	3
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	P76	P77	P78	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100
Land	82	97	93	96	88	88	72	89	90	93	96	91	97	99	94	95	83	72	63	71	91	98	91	n	n
Coastal Inlet Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	7	13	1	23	68	n	n
Sea Grass Beds	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
Flower Garden Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	2	2	9	45	92	74	76	55	63	54	45	47	78	54	26	n	n
TX Rec. Beaches	n	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 Rec. Beaches	5	20	21	8	15	10	2	8	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	1	6	17	2	13	7	21	26	24	25	43	32	7	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	3	5	16	26	9	54	75	n	n
FL Rec. Beaches	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
Hist./Arch. Sites	8	14	11	6	10	10	11	6	2	1	1	5	11	1	9	5	16	20	27	34	34	62	29	n	n
Brown Pelican	10	41	37	14	28	19	4	15	5	4	5	26	72	20	52	30	32	20	12	12	23	7	7	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	1	3	n	3	1	7	9	11	11	15	17	2	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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	3
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	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 percent; n = less than 0.5 percent.
Condensate spills may not persist at sea for more than several days.

Table 4. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Target	Hypothetical Spill Location																								
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25
Land	**	99	**	**	**	**	**	99	**	**	99	95	88	95	98	**	99	93	78	79	60	93	99	99	99
Coastal Inlet Areas	28	15	8	8	6	4	6	6	7	36	15	14	16	28	39	33	38	28	21	19	12	21	18	54	14
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	35	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	58	41	51	82	47	29	30	22	11	2	11	14	15	11	18	12	22	26	19	13	21	44	51	74	28
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	9	15	1[illegible]	8	6	3	3	2	1	n	1	1	2	1	n	n	n	8	9	2	17	39	33	71	22
Brown Pelican	n	2	15	83	46	35	40	50	57	88	63	44	33	26	15	25	3	11	15	24	5	6	3	1	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	2	9	10	14	17	5	11	9	7	5	3	4	1	2	3	6	1	1	n	n	n
Sea Turtle	41	20	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46	T47	T48	T49	T50
Land	98	99	99	99	97	92	97	89	87	75	60	48	64	98	97	95	95	96	90	82	62	85	91	90	94
Coastal Inlet Areas	13	28	9	3	5	11	14	13	17	11	9	2	n	1	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	n	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 Banks	n	n	n	n	n	2	n	2	5	11	18	8	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	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
TX Rec. Beaches	41	19	14	6	10	24	34	33	34	28	21	5	n	2	1	1	n	n	n	n	n	n	n	n	n
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	1	9	10	8	2
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	7	4	5	2	5	14	12	19	28	20	15	9	18	1	1	n	11	7	6	10	14	9	7	6	2
Brown Pelican	n	n	n	n	n	1	1	1	2	1	n	n	1	n	n	n	n	n	6	6	2	17	17	15	5
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	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 percent; n = less than 0.5 percent.

Table 4. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Target	Hypothetical Spill Location																							
	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71	T72	T73	T74	T75
Land	98	95	97	**	98	**	**	**	99	99	98	82	98	97	98	85	96	98	83	92	80	79	52	80	6
Coastal Inlet Areas	n	n	n	n	n	n	n	n	n	n	n	6	7	10	87	31	88	97	67	50	27	48	21	60	6
Sea Grass Beds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	10	8	21
Flower Garden Banks	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	1	17	52	46	89	6	23	49	89	67	94	66	70	65	18	39	43	**	54	22	7	52	11	49	13
TX Rec. Beaches	n	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 Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	1	3	1	26	92	71	67	81	64	70	37	41	34	8	18	5	1	6	1	1	n	n	n	n
AL Rec. Beaches	n	n	n	n	1	n	n	n	n	1	3	16	37	37	94	51	79	8	45	8	3	2	3	1	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	89	17	84	77	68	47	51	5
Hist./Arch. Sites	n	1	2	1	17	52	67	58	51	20	34	34	55	55	91	51	33	93	27	23	4	2	4	2	13
Brown Pelican	1	9	20	6	50	2	4	6	11	7	16	17	10	14	6	12	4	1	5	1	n	1	1	2	10
MI Sandhill Crane	n	n	n	n	8	1	46	7	29	38	31	16	21	16	4	8	2	n	2	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	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
Manatee	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	T76	T77	T78	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11
Land	31	6	16	**	99	95	82	89	87	82	90	86	74	68	97	91	92	88	75	71	71	69	66	57	73
Coastal Inlet Areas	n	n	n	7	41	33	19	22	17	14	n	n	4	33	1	3	2	1	4	5	9	8	4	4	3
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	2	6	n	n	n	n	n	1	1	2	5	8	9	11	7	10	4
Env. Preser. Areas	2	n	n	n	n	n	n	n	n	n	n	n	58	32	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	n	n	n	19	26	25	30	44	37	31	n	n	n	n	3	7	5	4	12	14	19	20	11	11	7
LA Rec. Beaches	2	n	n	n	n	n	n	n	n	n	2	6	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	31	11	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	13	42	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	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
Hist./Arch. Sites	6	n	n	2	n	3	24	35	29	26	6	9	30	30	1	5	3	2	7	9	12	13	7	6	5
Brown Pelican	5	n	n	55	11	16	11	5	4	3	3	11	17	9	n	n	n	n	n	n	n	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	13	6	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	21	2	4	2	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Key West	n	15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	18	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 percent; n = less than 0.5 percent.

Table 4. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Target	Hypothetical Spill Location																								
	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136
Land	74	81	94	71	71	79	57	57	56	59	62	76	81	96	90	99	88	78	76	97	92	96	89	88	86
Coastal Inlet Areas	2	1	1	1	1	1	2	3	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Grass Beds	n	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 Banks	3	2	1	4	3	2	7	7	5	4	3	2	1	n	n	n	n	1	1	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	5	3	1	3	3	2	5	7	4	3	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	28	18	19	17	6	9
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	2	2	1	2	2	2	2	4	2	2	7	60	37	6	9	1	8	17	19	5	11	11	11	8	10
Brown Pelican	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	30	35	35	31	11	19
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
Land	98	**	**	**	**	99	**	**	93	99	69	72	69	75	67	**	**	**	**	**	99	98	79	81	83
Coastal Inlet Areas	n	n	n	3	13	34	17	14	15	3	18	19	16	14	12	9	6	1	5	1	16	24	21	20	17
Sea Grass Beds	n	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 Banks	n	n	n	n	n	n	n	n	1	n	n	5	51	18	24	n	n	n	n	n	n	n	n	n	3
Env. Preser. Areas	45	47	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
TX Rec. Beaches	n	n	n	11	10	7	1	53	30	7	17	29	30	28	26	48	55	54	44	77	39	43	18	19	34
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	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
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hist./Arch. Sites	3	n	n	1	n	n	n	22	17	2	10	22	24	25	20	12	6	1	3	12	9	39	4	8	31
Brown Pelican	22	4	n	51	50	20	10	1	1	n	12	6	4	4	1	2	8	11	41	82	4	2	19	15	4
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	20	11	4	1	n	n	n	2	1	n	n	n	n	n	n	5	n	1	n	4	4	1
Sea Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	2	n	n	n	n	n	n	n	n
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	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 percent; n = less than 0.5 percent.

Table 4. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Target	Hypothetical Spill Location																								
	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	S1	S2	S3	S4
Land	57	97	85	93	49	48	41	68	76	91	95	82	98	74	90	82	96	91	n	n	4	**	**	48	n
Coastal Inlet Areas	10	9	6	3	3	n	n	n	n	n	n	1	n	4	9	12	57	42	n	n	2	n	n	n	n
Sea Grass Beds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1	26	n	n	n	n
Flower Garden Banks	38	n	3	1	11	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	1	33	61	82	59	65	55	28	34	n	n	9	n	n	n	n
TX Rec. Beaches	22	17	17	6	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
LA Rec. Beaches	n	n	n	n	n	n	n	n	4	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	3	19	6	32	36	29	13	14	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	3	n	10	25	29	76	63	n	n	n	n	n	n	n
FL Rec. Beaches	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
Hist./Arch. Sites	18	8	10	4	5	15	17	29	10	6	2	15	4	28	41	39	79	50	n	n	16	n	n	n	n
Brown Pelican	1	1	n	n	n	n	n	n	7	15	18	34	43	18	18	15	8	11	n	n	16	n	n	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	6	1	12	16	14	5	6	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	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
Manatee	n	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
Key West	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Straits of Florida	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Yucatan Strait	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29
Land	n	1	6	n	94	68	48	36	10	21	3	75	51	36	60	9	2	1	73	2	n	1	28	1	n
Coastal Inlet Areas	n	n	n	n	7	12	5	6	2	n	n	n	n	n	45	5	n	n	5	1	n	n	n	n	n
Sea Grass Beds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	**	7	n	n	**	18	1
Flower Garden Banks	n	n	n	n	n	n	n	32	21	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n	n	n	n	n	n	n	15	5	1	32	3	n	n	72	1	n	n	19	1	n
TX Rec. Beaches	n	n	n	n	40	12	9	14	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
LA Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	1	4	3	n	n	n	n	n	n	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	2	1	n	3	n	n	n	n	n	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	1	n	n	26	3	n	n	n	n	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n	n	n	n	n	n	n	n	n	n	22	6	n	n	9	1	n	n	7	n	n
Hist./Arch. Sites	n	n	n	n	8	1	1	13	4	3	1	4	5	4	18	2	n	n	59	n	n	n	8	1	n
Brown Pelican	n	n	n	n	21	28	24	n	n	n	n	12	10	7	3	n	n	n	20	1	n	n	3	n	n
MI Sandhill Crane	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n
Whooping Crane	n	n	n	n	1	5	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Turtle	n	n	n	n	3	n	1	n	n	n	n	n	n	n	n	n	n	n	42	1	n	n	19	1	n
Manatee	n	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	19	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	7	n	n	n
Key West	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
Straits of Florida	n	n	22	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
Yucatan Strait	n	6	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 percent; n = less than 0.5 percent.

Table 5. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 3 days.

Land Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
1	4	8	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	11	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	21	19	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	3	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	n	n	n	3	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	n	n	1	17	n	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	n	n	n	3	1	32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	n	n	n	n	3	10	63	5	n	n	1	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	n	1	19	5	12	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	44	16	n	n	n	32	4	1	n	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	7	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	44	n	n	n	n	10	n	n
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	27	59	7

	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
13	n	n	n	n	n	n	18	n	14	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	n	n	n	37	4	3	n	n	n	n	n	20	1	n	n	n	n	3	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	1	n	1	n	n	23	2	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	2	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	2	n

	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75
15	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
16	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
17	n	1	n	n	n	n	n	52	32	50	5	2	29	3	7	3	n	n	n	n	n	n	n	1	1
18	n	n	n	n	n	n	n	n	n	n	n	n	8	38	10	n	1	n	n	n	n	n	1	8	10
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	53	4	n
20	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

	P76	P77	P78	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100
18	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	16	12	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	40	6	60	8	1	n	23	31	56	63	10	2	30	3	17	n	n	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	n	n	1	33	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	13	34	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	2	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 5. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 3 days.

Land Segment	Hypothetical Spill Location																								
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25
1	69	7	8	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	3	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	5	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	4	3	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	10	78	35	6	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	1	9	37	26	n	n	21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	n	1	1	n	n	28	43	6	n	n	n	n	2	n	n	n	n	n	n	n	n	n
8	n	n	n	n	n	n	n	n	3	33	5	n	n	n	10	33	4	n	n	n	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	9	70	7	n	n	n	n	14	n	n
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	6	33	76	23
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	7
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	16

	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46	T47	T48	T49	T50
10	1	n	n	n	n	n	n	n	2	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	52	49	8	1	n	n	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	8	27	52	79	48	5	8	n	n	n	n	n	n	2	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	80	80	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	1	16	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	42	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	83	84	1	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	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	2	1	n	n	n	n	n
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	43	30	62

	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71	T72	T73	T74	T75
20	81	48	26	24	3	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	n	n	n	n	n	1	3	1	32	27	76	11	10	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	47	3	3	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	88	16	47	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	9	n	n	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	15	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	4	32	2	38	n
37	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

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 5. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 3 days.

Land Segment	Hypothetical Spill Location																							
	T76	T77	T78	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11
5	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
6	n	n	n	30	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	10	n	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	17	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	12	n	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	n	n	n	n	n	n	n	n	n	5	12	4	n	n	n	n	n	n	n	n
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	69	17	32	3	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	n	n	n	n	n	n	n
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
18	n	n	n	n	n	n	n	n	n	n	11	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	1	n	n	n	n	n	n	n	n	n	n	n	n	n

	I12	I13	I14	I15	I16	I17	I18	I19	I20	I21	I22	I23	I24	I25	I26	I27	I28	I29	I30	I31	I32	I33	I34	I35	I36
14	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
15	n	8	56	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	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
17	n	n	n	n	1	28	n	n	n	n	n	14	37	89	25	1	13	9	2	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	34	77	42	5	4	21	n	n	n	2	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	39	9	13	2	1	n
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	43	5	1	1

	I37	I38	I39	I40	I41	I42	I43	I44	I45	I46	I47	I48	I49	I50	I51	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
1	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
2	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
3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	2	8	n	1	n	n	n	n	n
4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	21	3	13	n	n	n	n	n
5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	12	78	n	n	n	n	n
6	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n
7	n	n	n	29	4	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	9	11	77	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20	n	n	n	n
10	n	n	n	n	n	n	n	49	n	n	n	n	n	n	n	n	n	n	n	n	27	24	n	n	n
11	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	25	7	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	n	n	10	78	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	45	59	66	n	n	n	n	n	n	n	n	n	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 5. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 3 days.

Land Segment	Hypothetical Spill Location																							
	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	S1	S2	S3	S4
13	n	25	1	19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	n	16	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	n	n	n	n	n	31	40	1	10	n	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	2	50	6	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	5	14	n	n	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

Land Segment	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	40	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 6. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 10 days.

Land Segment	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
1	26	13	2	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	8	16	3	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	22	61	49	15	2	13	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	1	6	32	12	3	23	12	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	1	7	9	7	29	24	4	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	1	2	19	19	41	13	26	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	n	13	2	11	32	50	7	6	n	n	1	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	n	1	n	n	24	12	85	62	6	7	27	7	7	1	n	n	n	1	n	n	n	n
9	n	n	n	n	n	n	n	n	n	n	3	33	29	44	16	2	4	1	3	4	5	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	53	43	4	5	n	70	27	59	12	2	3	11	n	1
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	10	4	n	n	n	3	n	1
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	52	3	1	n	n	32	4	13
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	34	80	40

	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
10	10	3	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	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
12	26	10	1	1	n	n	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	10	7	2	n	n	n	59	n	35	38	24	6	7	1	n	n	8	15	6	8	2	n	1	1	4
14	n	n	n	n	n	n	n	n	43	8	12	n	1	n	n	n	48	21	9	24	3	n	18	17	20
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	1	1	4	n	n	39	23	6
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	3	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	2	n

	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75
13	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
14	11	8	2	3	n	n	n	3	3	n	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n
15	2	9	1	2	n	n	n	15	11	2	8	2	n	n	n	1	n	n	n	n	n	n	n	n	n
16	n	1	n	n	n	n	n	4	2	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n
17	1	2	n	2	n	n	1	54	42	67	22	15	60	10	46	42	31	27	12	17	1	n	2	9	19
18	n	n	n	n	n	n	n	n	n	n	n	n	9	40	17	1	11	1	n	3	n	n	3	14	25
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	57	6	3
20	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

	P76	P77	P78	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100
17	10	1	4	n	2	5	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	15	2	6	1	4	9	10	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	8	33	35	11	22	17	2	9	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	3	45	11	71	20	6	2	48	70	80	82	40	18	54	23	42	10	5	n	n	3	1	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	2	6	9	36	14	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	n	13	53	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	3	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.
Condensate spills may not persist at sea for more than several days.

Table 6. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 10 days.

Land Segment	Hypothetical Spill Location																							
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25
1	79	32	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	4	8	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	3	11	32	2	3	4	4	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	n	22	8	12	12	6	3	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	16	80	43	21	14	8	8	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	2	9	39	51	35	25	35	5	9	2	n	n	n	1	n	n	n	n	n	n	n	n	n
7	n	n	n	n	1	4	12	26	43	54	43	15	3	4	3	12	n	n	n	1	n	n	n	n	n
8	n	n	n	n	n	n	n	3	4	36	18	12	6	37	62	63	16	13	1	5	n	2	7	n	n
9	n	n	n	n	n	n	n	n	n	n	n	n	n	3	13	12	76	34	4	n	n	13	29	4	2
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	1	n	n	40	52	91	59
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	11
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	18

	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46	T47	T48	T49	T50
9	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
10	13	7	5	1	2	2	16	8	28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	4	2	1	1	1	1	4	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	64	57	23	6	10	14	47	20	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	9	27	60	86	71	28	12	4	1	1	n	n	n	9	5	1	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	n	n	n	n	n	n	n	n	81	85	7	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	34	2	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	43	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	2	13	n	n	n	86	91	12	14	7	5	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	19	17	5	7	1	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	5	1	13	13	8	2
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	16	58	56	78

	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71	T72	T73	T74	T75
20	92	72	53	40	19	1	2	3	3	1	3	1	2	1	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	1	n	n	n	1	1	5	9	35	34	79	28	16	1	3	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	2	n	n	1	11	51	5	28	4	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	18	90	26	62	8	1	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	19	26	6	2	3	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	26	18	5	11	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	37	6	49	n
37	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

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 6. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 10 days.

Land Segment	Hypothetical Spill Location																								
	T76	T77	T78	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11
3	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
4	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
5	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
6	n	n	n	54	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	13	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	n	59	28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	21	24	5	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	n	2	5	29	13	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	1	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	n	n	n	1	n	n	n	n	16	45	25	6	11	4	3	2	2	n	7
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	70	20	46	22	4	2	n	n	2	1	14
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	27	n	n	n	n	n	n	2
17	n	n	n	n	n	n	n	n	n	n	12	8	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	19	13	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	3	9	n	n	n	n	n	n	n	n	n	n	n	n	n
20	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
21	n	n	n	n	n	n	n	n	n	n	n	n	6	4	n	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	1	10	n	n	n	n	n	n	n	n	n	n	n
23	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

	I12	I13	I14	I15	I16	I17	I18	I19	I20	I21	I22	I23	I24	I25	I26	I27	I28	I29	I30	I31	I32	I33	I34	I35	I36
13	3	2	1	2	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	20	28	11	14	14	6	2	1	2	2	3	4	1	n	n	n	n	n	n	n	n	n	n	n	n
15	7	22	61	6	11	10	1	n	1	2	4	11	3	n	n	n	n	n	n	n	n	n	n	n	n
16	1	1	1	n	1	2	n	n	n	1	1	3	1	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	2	30	n	n	n	1	5	28	55	93	46	3	33	52	47	2	4	1	3	9	5
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	35	77	44	7	8	23	6	2	5	14	7
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	44	31	30	27	9	15
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	7	47	11	3	7

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 6. (Continued) -- Probabilities (expressed as percent chance) t hat an oilspill starting at a particular location will contact a certain land segment (set 1) within 10 days.

Land Segment	Hypothetical Spill Location																							
	I37	I38	I39	I40	I41	I42	I43	I44	I45	I46	I47	I48	I49	I50	I51	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14	5	1	n	n	n	n	n	n	n
2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	5	2	n	n	n	n	n	n	n
3	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	47	34	25	7	2	n	n	n	n	n
4	n	n	n	3	1	n	n	n	n	n	n	n	n	n	n	16	29	51	16	17	n	n	n	n	n
5	n	n	n	5	3	n	n	n	n	n	n	n	n	n	n	2	6	18	30	79	n	n	n	n	n
6	n	n	n	23	14	1	n	n	n	n	n	n	n	n	n	n	1	1	22	n	n	n	n	n	n
7	n	n	n	57	35	6	6	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	n
8	n	n	n	1	28	66	90	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n	3	3	n
9	n	n	n	n	n	3	n	4	n	n	1	n	n	n	n	n	n	n	n	n	41	5	2	6	1
10	n	n	n	n	n	n	n	62	12	2	n	3	2	2	n	n	n	n	n	n	35	74	n	2	12
11	n	n	n	n	n	n	n	5	4	1	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n
12	n	n	n	n	n	n	n	25	28	9	n	n	n	1	n	n	n	n	n	n	n	1	n	n	1
13	n	n	n	n	n	n	n	n	14	82	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	61	77	71	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	S1	S2	S3	S4
10	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
11	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
12	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
13	n	53	26	51	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	1	17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	6	4	33	8	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	1	11	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	4	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	n	2	56	62	14	33	1	1	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	1	n	3	19	17	62	31	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	5	6	24	n	n	n	n	n	n	n
37	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
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

	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29
1	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
3	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
20	n	n	n	n	n	n	n	n	n	n	n	35	6	n	n	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	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	50	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 7. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 30 days.

Land Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
1	31	13	2	8	2	1	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
2	10	16	3	6	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	35	62	51	30	13	17	6	4	1	n	2	n	n	1	1	2	n	n	n	n	1	n	n	n	n
4	10	8	34	27	14	27	15	6	3	1	2	n	n	1	1	3	n	n	n	1	1	n	n	n	n
5	2	1	7	19	17	31	25	8	6	1	3	n	1	1	3	4	n	n	n	1	2	n	n	n	n
6	1	n	1	7	30	20	42	18	27	2	6	n	2	3	4	6	n	n	n	1	3	1	n	n	n
7	n	n	n	1	20	3	11	37	50	9	14	2	4	6	10	15	1	1	1	5	8	3	1	n	n
8	n	n	n	n	1	n	n	25	12	86	67	10	16	37	33	37	3	2	8	18	26	14	2	1	3
9	n	n	n	n	n	n	n	n	n	n	3	33	31	44	27	11	6	2	11	19	21	15	4	1	4
10	n	n	n	n	n	n	n	n	n	n	n	53	44	4	8	3	72	31	67	37	17	35	20	6	19
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	10	4	1	n	1	3	1	3
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	52	3	1	n	2	33	7	21
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	34	81	43

Land Segment	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
6	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
7	1	1	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	4	5	4	9	4	5	1	3	n	1	1	2	1	1	1	n	n	n	n	n	n	n	n	n	n
9	5	6	6	11	8	8	2	5	1	2	2	4	3	4	2	1	n	1	1	1	1	n	n	n	n
10	33	33	29	37	30	26	12	28	5	12	12	21	14	19	16	11	4	8	9	6	9	10	1	3	5
11	6	4	4	3	3	2	2	2	1	1	1	3	2	2	2	1	n	1	1	1	1	1	n	1	1
12	32	24	19	8	13	8	10	15	3	10	10	18	14	14	12	10	4	8	10	6	10	10	2	3	5
13	11	12	12	2	4	3	65	10	41	53	44	27	35	22	19	19	20	39	34	30	31	28	8	15	27
14	n	n	n	n	n	n	n	n	43	8	13	n	2	1	1	1	49	22	14	28	9	5	20	26	28
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	1	1	4	1	n	40	25	7
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	3	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	2	n

Land Segment	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75
10	5	2	5	2	4	5	n	1	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
11	1	n	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	7	4	6	4	7	6	1	1	2	1	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n
13	26	20	26	21	24	21	13	6	9	5	12	13	3	n	2	5	2	4	9	3	4	2	n	n	1
14	24	23	17	19	13	6	13	8	11	5	17	17	4	1	3	6	3	8	13	6	8	3	n	1	1
15	3	12	2	8	3	1	8	15	14	6	15	11	4	1	2	8	3	7	10	6	7	3	n	1	1
16	n	1	n	1	n	n	n	5	2	1	2	2	1	n	n	1	n	1	2	1	1	n	n	n	n
17	1	2	n	2	n	n	4	54	42	68	22	17	63	12	53	48	45	41	20	40	14	9	4	13	27
18	n	n	n	n	n	n	n	n	n	n	n	n	9	40	17	1	13	1	n	4	n	1	3	15	26
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	57	7	3
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	3	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.
Condensate spills may not persist at sea for more than several days.

Table 7. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 30 days.

Land Segment	Hypothetical Spill Location																							
	P76	P77	P78	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100
14	1	n	1	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	1	n	n	n	1	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
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	22	4	8	3	9	14	30	5	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	18	3	7	2	7	11	14	4	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	10	34	36	12	26	19	4	14	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	5	46	11	73	24	8	5	54	79	85	87	53	27	58	35	53	27	21	11	9	16	5	5	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	3	4	12	16	9	37	16	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	8	n	13	54	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	3	n	n

	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25
1	79	38	13	n	n	n	1	1	n	n	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n
2	4	10	9	n	n	n	1	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
3	4	24	33	2	4	7	10	8	2	1	4	6	6	3	1	1	n	1	1	3	n	1	n	n	n
4	1	6	23	8	12	14	15	12	5	1	5	6	6	3	1	1	n	1	1	3	n	1	n	n	n
5	n	2	17	80	44	22	18	14	8	2	7	8	7	3	2	1	n	2	2	4	n	1	n	n	n
6	n	1	2	9	39	52	40	31	36	6	16	15	13	9	4	4	1	4	5	8	1	2	1	n	n
7	n	n	n	n	1	4	14	30	43	55	47	30	21	17	10	16	2	7	11	16	3	5	2	1	n
8	n	n	n	n	n	n	n	4	4	36	20	27	30	54	67	65	18	30	29	35	12	17	13	2	3
9	n	n	n	n	n	n	n	n	n	n	n	1	3	4	13	12	76	40	20	8	13	22	30	4	5
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	7	9	2	22	46	53	91	62
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	11
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	18
13	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

	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46	T47	T48	T49	T50
7	n	n	n	n	n	n	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	1	1	1	n	1	4	3	7	7	6	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	2	1	2	1	2	5	4	6	10	8	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n
10	18	10	11	5	10	24	25	36	52	32	26	5	n	2	1	1	n	n	n	n	n	n	n	n	n
11	5	2	2	1	2	4	5	6	4	4	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n
12	64	57	23	7	12	24	48	28	10	17	15	5	n	2	1	1	n	n	n	n	n	n	n	n	n
13	9	27	60	86	71	31	12	6	2	6	8	16	2	12	8	4	2	1	n	1	1	n	n	n	n
14	n	n	n	n	n	n	n	n	n	n	n	8	4	81	85	8	3	1	1	2	3	1	n	n	n
15	n	n	n	n	n	n	n	n	n	n	n	4	5	n	1	34	3	1	1	1	2	1	n	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	43	1	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	7	38	n	n	n	87	92	17	27	34	16	4	5	2
18	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n	19	19	10	10	2	2	1
19	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	4	6	2	16	16	13	4
20	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	2	3	18	61	62	83

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 7. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 30 days.

Land Segment	Hypothetical Spill Location																							
	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71	T72	T73	T74	T75
19	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
20	95	82	61	41	28	2	3	5	7	4	10	11	6	9	4	8	3	n	3	1	n	n	n	n	n
21	n	n	n	n	1	n	n	n	1	1	5	14	35	35	80	34	16	1	8	1	1	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	3	n	n	1	13	51	6	34	6	2	1	2	1	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	18	90	28	63	16	9	20	6	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	19	29	11	13	9	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	27	20	9	14	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	38	7	49	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	2
37	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

	T76	T77	T78	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11
3	n	n	n	4	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	n	n	8	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	n	15	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	55	3	5	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	18	7	11	7	4	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	n	63	45	22	13	10	9	n	n	n	n	n	1	n	n	1	n	2	2	n	n	n
9	n	n	n	n	22	26	21	15	13	11	n	n	n	n	n	1	1	1	2	2	3	5	1	1	1
10	n	n	n	n	n	2	25	51	50	42	n	n	n	n	3	7	5	4	13	16	21	23	12	12	8
11	n	n	n	n	n	n	n	1	3	5	n	n	n	n	n	1	1	1	2	2	3	2	2	3	1
12	n	n	n	n	n	n	n	2	5	10	n	n	n	n	3	7	5	5	12	13	16	17	11	10	8
13	n	n	n	n	n	n	n	n	1	1	1	n	n	n	19	54	35	18	41	34	26	20	35	27	35
14	1	n	n	n	n	n	n	n	n	n	2	2	n	n	70	20	46	24	5	2	n	n	4	3	19
15	1	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	27	n	n	n	n	n	n	2
17	9	n	n	n	n	n	n	n	n	n	17	18	n	n	n	n	n	n	n	n	n	n	n	n	n
18	2	n	n	n	n	n	n	n	n	n	19	15	n	n	n	n	n	n	n	n	n	n	n	n	n
19	4	n	n	n	n	n	n	n	n	n	3	11	n	n	n	n	n	n	n	n	n	n	n	n	n
20	10	n	1	n	n	n	n	n	n	n	n	4	13	5	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	11	19	n	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	2	21	n	n	n	n	n	n	n	n	n	n	n
23	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

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 7. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 30 days.

Land Segment	Hypothetical Spill Location																							
	I12	I13	I14	I15	I16	I17	I18	I19	I20	I21	I22	I23	I24	I25	I26	I27	I28	I29	I30	I31	I32	I33	I34	I35	I36
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
10	5	3	1	3	3	2	5	8	4	3	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n
11	1	1	n	1	1	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	6	4	1	5	4	3	7	9	7	4	3	1	1	n	n	n	n	n	n	n	n	n	n	n	n
13	24	15	6	26	19	13	28	30	26	22	17	10	6	1	1	n	1	3	2	n	n	n	n	n	n
14	30	35	12	28	27	16	14	7	15	20	20	15	8	1	2	n	2	4	4	n	n	n	1	1	1
15	8	22	61	7	13	13	2	1	2	7	11	16	8	1	2	n	2	4	4	n	n	n	n	2	1
16	1	1	1	n	1	2	n	n	n	1	2	3	1	n	n	n	n	1	1	n	n	n	n	n	n
17	n	n	n	n	2	30	n	n	n	1	6	28	56	93	48	4	36	58	55	4	9	4	10	18	14
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	35	77	44	7	8	24	7	3	7	16	10
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	44	32	31	29	10	17
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	8	48	13	4	9

	I37	I38	I39	I40	I41	I42	I43	I44	I45	I46	I47	I48	I49	I50	I51	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	15	7	1	1	n	n	n	n	n	n
2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	6	2	1	n	n	n	n	n	n
3	n	n	n	3	4	1	n	n	n	n	1	n	n	n	n	51	40	26	12	3	n	n	1	2	n
4	n	n	n	6	5	2	n	n	n	n	1	n	n	n	n	20	36	52	21	17	n	n	3	1	n
5	n	n	n	8	6	2	1	n	n	n	1	n	n	n	n	3	10	18	33	79	n	n	3	2	n
6	n	n	n	24	18	6	1	n	n	n	3	1	n	n	n	1	1	1	24	n	1	n	6	5	1
7	n	n	n	58	38	14	7	n	1	n	8	5	2	2	1	n	n	n	7	n	3	2	13	10	2
8	n	n	n	1	29	71	90	2	4	n	26	17	12	8	6	n	n	n	n	n	16	5	32	31	12
9	n	n	n	n	n	3	n	5	6	1	17	16	14	11	9	n	n	n	n	n	42	9	16	21	15
10	n	n	n	n	n	n	n	62	32	5	10	29	36	38	30	n	n	n	n	n	35	78	4	7	46
11	n	n	n	n	n	n	n	5	5	1	n	1	1	5	3	n	n	n	n	n	n	2	n	n	2
12	n	n	n	n	n	n	n	25	31	10	n	2	4	8	12	n	n	n	n	n	n	1	n	n	4
13	n	n	n	n	n	n	n	n	14	82	n	n	n	1	5	n	n	n	n	n	n	n	n	n	n
20	66	78	71	n	n	n	n	n	n	n	n	n	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 7. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 30 days.

Land Segment	Hypothetical Spill Location																							
	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	S1	S2	S3	S4
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
8	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
9	9	3	3	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	30	15	18	7	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	3	2	2	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	7	20	14	7	9	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	3	54	44	59	25	11	4	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	1	17	2	13	9	7	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	8	6	7	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	14	19	46	28	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	1	1	14	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	7	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	n	4	61	71	29	38	14	13	10	5	8	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	3	n	8	20	22	63	33	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	6	6	25	n	n	n	n	n	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	n	n	n
37	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
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

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 7. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 30 days.

Land Segment	Hypothetical Spill Location																							
	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29
1	n	n	n	n	10	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	n	n	n	n	6	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	21	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	n	n	n	18	4	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	n	n	16	6	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	n	14	9	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	n	4	20	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	n	n	21	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	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
10	n	n	n	n	n	1	n	17	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	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
12	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
13	n	n	n	n	n	n	n	3	1	6	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	7	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	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
17	n	n	n	n	n	n	n	n	n	3	1	2	5	6	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	1	3	3	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	2	7	6	n	n	n	n	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	n	n	n	n	54	25	13	2	1	2	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	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	21	2	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	27	4	n	n	1	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	n	n	n	n	n	n
25	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
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	1	n	n	1	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n	n	n	1	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	50	n	n	n	22	n	n
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	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 8. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 3 days.

Land Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
1	4	6	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	4	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	15	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	4	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	n	n	n	5	17	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	n	n	n	10	n	29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	n	n	n	n	1	21	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	n	n	n	n	3	2	54	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	7	2	4	1	8	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	40	12	5	n	n	1	n	n	n	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	n	n	20	8	n	n	n	24	1	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	43	1	n	n	n	2	n	n
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n	n	n	n	23	1	n
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	25	4
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	33	3

Land Segment	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
15	n	n	n	n	n	n	17	n	10	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	1	n	41	4	2	n	n	n	n	n	12	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	13	1	n	1	n	n	30	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	20	3	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

Land Segment	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75
17	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
18	n	n	n	n	n	n	n	13	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	42	22	7	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	n	7	42	2	1	19	n	1	3	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	1	n	n	19	83	19	1	2	n	n	n	n	n	12	46	24
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	72	14	2

Land Segment	P76	P77	P78	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100
21	2	1	8	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	1	40	22	2	2	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	18	2	57	7	1	n	23	28	51	26	1	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	2	5	37	9	2	28	3	16	n	n	n	n	n	n	n	n	n
25	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
26	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
28	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
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	32	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	16	28	n	n
31	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

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 8. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 3 days.

Land Segment	Hypothetical Spill Location																								
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25
1	68	7	7	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	5	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	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	n	4	3	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	11	86	71	26	n	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	n	2	7	n	n	28	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	n	n	n	n	n	14	72	9	n	n	n	n	6	n	n	n	n	n	n	n	n	n
8	n	n	n	n	n	n	n	n	n	1	1	n	n	n	2	21	1	n	n	n	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	n	n	n	n	1	12	15	42	4	n	n	n	n	3	n	n
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	32	4	n	n	n	n	26	1	n
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	18	73	13
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	33
13	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
87	8	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46	T47	T48	T49	T50
11	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
12	18	6	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	43	70	37	5	4	1	20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	23	74	44	4	1	n	n	n	n	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	n	n	n	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	81	25	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	55	14	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	47	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	81	n	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	81	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	4	43	6	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	1	n	n	1	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	43	30	58
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	4

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 8. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 3 days.

Land Segment	Hypothetical Spill Location																							
	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71	T72	T73	T74	T75
23	71	15	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	10	33	25	12	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	n	n	n	47	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	3	n	5	2	9	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	77	22	28	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	2	43	8	18	58	9	n	9	1	n	n	n	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	n	1	2	5	1	34	26	70	8	7	n	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	1	2	7	6	35	n	1	n	n	n	n	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	32	90	18	17	n	n	n	n	n
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	35	n	n	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	15	n	n	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	27	1	4	n
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	1	24	n
36	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
45	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

	T76	T77	T78	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11
5	n	n	n	11	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	30	n	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	3	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	25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	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
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	8	2	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	70	21	34	1	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	50	4	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	5	3	n	n	n	n	n	n	n	n	n	n	n	n	n

	I12	I13	I14	I15	I16	I17	I18	I19	I20	I21	I22	I23	I24	I25	I26	I27	I28	I29	I30	I31	I32	I33	I34	I35	I36
17	n	8	51	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	1	17	n	1	3	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	26	n	n	n	n	n	12	4	1	n	n	n	n	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	n	n	n	n	n	33	88	7	n	2	2	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	54	95	56	12	6	28	7	1	1	12	1
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	50	18	55	4	5	2
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	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 8. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 3 days.

Land Segment	Hypothetical Spill Location																							
	I37	I38	I39	I40	I41	I42	I43	I44	I45	I46	I47	I48	I49	I50	I51	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
1	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
2	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
3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	6	n	n	n	n	n	n	n
4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	22	3	13	n	n	n	n	n
5	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	11	14	79	n	n	n	n	n
6	n	n	n	27	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	4	5	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	n	7	10	75	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n
10	n	n	n	n	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	42	n	n	n	n
11	n	n	n	n	n	n	n	34	n	n	n	n	n	n	n	n	n	n	n	n	2	21	n	n	n
12	n	n	n	n	n	n	n	27	1	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n
13	n	n	n	n	n	n	n	11	16	21	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	60	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	44	58	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	n	3	86	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	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	S1	S2	S3	S4
13	n	9	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	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	1	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	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
21	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
22	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	n	n	n	n	n	n	n	n	n	30	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	1	27	1	8	n	n	n	n	n	n	n	n	n	n	n	n
25	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
26	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1	29	4	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	27	15	n	n	n	n	n	n	n
31	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
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	n	n	n	n
73	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
82	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	28	n	n
83	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	1	n	n
84	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	42	n	n	n

Land Segment	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	26	n	n	n	n	n	n
37	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

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 9. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 10 days.

Land Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
1	24	11	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	19	37	10	7	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	13	39	38	10	1	9	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	2	8	37	13	3	25	13	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	1	7	11	17	43	48	10	15	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	1	21	8	27	25	48	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	n	3	n	1	25	27	14	13	n	n	2	n	1	n	n	n	n	n	n	n	n	n
8	n	n	n	n	n	n	n	13	3	68	44	3	3	14	3	4	n	n	n	n	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	8	13	11	13	40	13	4	2	n	1	1	2	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	55	47	19	11	1	9	2	8	8	4	1	1	n	n
11	n	n	n	n	n	n	n	n	n	n	n	21	15	n	1	n	49	15	41	6	1	2	6	n	1
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	30	60	18	1	n	1	20	2	6
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	n	n	n	n	39	9	21
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	39	23
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	35	4
87	7	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
11	5	2	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	21	7	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	21	9	1	n	n	n	7	n	1	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
14	3	3	1	n	n	n	24	n	4	11	6	2	2	n	n	n	n	1	n	n	n	n	n	n	n
15	n	1	n	n	n	n	29	n	24	23	15	2	5	n	n	n	6	11	5	6	1	n	1	1	3
16	n	n	n	n	n	n	2	n	47	10	14	n	2	n	n	n	36	21	9	21	3	n	10	11	16
17	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	24	3	2	8	1	n	47	30	11
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	21	6	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

Land Segment	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75
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	n
16	9	5	2	2	n	n	n	2	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	4	12	2	3	n	n	n	15	12	2	9	3	n	n	n	1	n	n	n	n	n	n	n	n	n
18	n	3	n	2	n	n	n	17	10	3	7	4	1	n	n	2	n	1	1	n	n	n	n	n	n
19	n	1	n	1	n	n	1	43	28	20	14	9	9	1	4	13	2	6	6	2	n	n	n	n	1
20	n	n	n	n	n	n	1	n	7	44	3	3	39	5	27	25	20	18	5	11	n	n	1	5	11
21	n	n	n	n	n	n	n	n	n	1	n	n	21	86	35	4	24	4	n	8	n	n	17	61	54
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	n	n	n	n	n	76	18	6

Notes: ** = Greater than 99.5 percent; n = less than 0.5 percent.
Rows with all values less than 0.5 percent are not shown.
Condensate spills may not persist at sea for more than several days.

Table 9. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 10 days.

Land Segment	Hypothetical Spill Location																								
	P76	P77	P78	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100
20	5	1	2	n	1	2	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	37	8	25	4	17	34	22	5	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	14	63	53	19	35	29	4	17	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	2	19	3	64	13	3	1	43	63	69	35	6	n	n	1	3	1	1	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	7	10	46	33	12	39	17	35	9	4	n	n	2	1	n	n	n
25	n	n	n	n	n	n	n	n	n	n	1	5	15	35	13	11	2	n	n	n	1	1	n	n	n
26	n	n	n	n	n	n	n	n	n	n	1	4	30	14	17	8	4	1	n	n	4	3	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	1	14	2	4	2	1	n	n	n	6	6	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	4	n	3	1	1	1	n	1	13	22	1	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	2	6	10	37	11	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	n	16	46	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	13	n	n

	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25
1	77	30	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	7	14	18	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	2	6	22	2	3	3	3	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	n	25	8	13	12	7	4	4	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	18	89	80	56	32	18	24	3	6	1	n	n	n	1	n	n	n	n	n	n	n	n	n
6	n	n	n	1	3	20	29	35	48	13	23	7	1	1	1	5	n	n	n	n	n	n	n	n	n
7	n	n	n	n	n	n	1	8	19	80	40	15	6	8	6	22	1	n	n	2	n	n	n	n	n
8	n	n	n	n	n	n	n	1	n	2	4	6	3	25	31	38	7	7	n	3	n	1	4	n	n
9	n	n	n	n	n	n	n	n	n	n	n	1	n	10	38	21	50	24	4	1	n	5	11	1	1
10	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	2	34	20	2	n	n	23	46	8	6
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	25	26	84	38
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	44
13	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
87	12	13	2	n	n	n	n	n	n	n	n	n	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 9. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 10 days.

Land Segment	Hypothetical Spill Location																							
	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46	T47	T48	T49	T50
10	1	n	n	n	n	n	1	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	8	4	3	1	1	1	9	4	21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	34	15	10	4	5	7	29	18	10	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	48	74	51	12	22	20	39	12	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	1	25	77	55	16	1	1	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	1	n	n	n	n	n	n	n	6	4	1	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	83	31	4	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	55	34	2	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	49	2	1	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	84	3	1	n	n	n	n	n	n
20	n	n	n	n	n	n	n	n	n	n	n	1	9	n	n	n	1	84	6	8	4	3	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	12	n	n	n	n	4	64	42	10	21	4	3	1
22	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	10	9	1	22	20	13	4
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	11	53	51	72
24	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

	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71	T72	T73	T74	T75
23	80	24	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	12	47	43	18	13	1	1	1	2	1	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n
25	n	2	18	70	14	1	1	4	3	1	3	n	1	1	n	n	n	n	n	n	n	n	n	n	n
26	n	1	9	9	22	8	8	19	12	6	8	2	4	4	n	n	n	n	n	n	n	n	n	n	n
27	n	n	2	1	13	86	40	59	37	11	18	4	8	7	1	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	9	2	46	13	35	71	38	10	28	21	4	4	1	n	n	n	n	n	n	n	n
29	n	n	n	n	1	n	n	n	1	2	7	11	40	36	74	24	12	1	2	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	2	1	2	7	15	39	2	16	2	n	n	n	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	34	93	39	25	1	n	n	n	n
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	43	10	1	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	15	36	10	3	6	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	42	8	18	n
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	2	27	n
36	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
45	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

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 9. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 10 days.

Land Segment	Hypothetical Spill Location																							
	T76	T77	T78	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11
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	n
4	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
5	n	n	n	35	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	51	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	1	5	2	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	15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	49	29	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	1	9	7	8	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	n	2	21	9	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	4	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	n	1	1	2	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	7	2	n	1	1	1	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	31	18	4	7	3	2	1	1	n	6
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	73	27	50	17	5	2	n	n	2	1	14
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	30	n	n	n	n	1	n	3
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n
19	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
20	n	n	n	n	n	n	n	n	n	n	6	4	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	67	42	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	7	18	n	n	n	n	n	n	n	n	n	n	n	n	n
23	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
23	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	6	3	n	n	n	n	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	1	8	n	n	n	n	n	n	n	n	n	n	n
31	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
52	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

	I12	I13	I14	I15	I16	I17	I18	I19	I20	I21	I22	I23	I24	I25	I26	I27	I28	I29	I30	I31	I32	I33	I34	I35	I36
15	2	2	1	1	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	16	17	7	11	10	3	1	1	1	2	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n
17	11	33	60	9	15	12	2	n	1	2	5	12	4	n	n	n	n	n	n	n	n	n	n	n	n
18	1	2	17	n	3	6	n	n	n	1	3	11	4	1	n	n	n	1	n	n	n	n	n	n	n
19	n	n	n	n	1	26	n	n	n	1	4	21	17	3	3	n	2	7	5	n	n	n	n	n	n
20	n	n	n	n	n	n	n	n	n	n	n	n	35	89	22	2	16	33	33	1	2	1	2	5	2
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	56	96	62	19	18	35	29	8	23	46	32
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	57	48	79	42	19	26
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	5	1	3

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 9. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 10 days.

Land Segment	Hypothetical Spill Location																							
	I37	I38	I39	I40	I41	I42	I43	I44	I45	I46	I47	I48	I49	I50	I51	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	4	1	n	n	n	n	n	n	n
2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	21	13	5	1	n	n	n	n	n	n
3	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	31	24	18	5	2	n	n	n	n	n
4	n	n	n	3	2	n	n	n	n	n	n	n	n	n	n	20	32	55	18	18	n	n	n	n	n
5	n	n	n	14	9	n	n	n	n	n	n	n	n	n	n	2	7	19	45	80	n	n	n	n	n
6	n	n	n	63	28	2	2	n	n	n	n	n	n	n	n	n	n	n	12	n	n	n	n	n	n
7	n	n	n	9	28	11	9	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n
8	n	n	n	n	16	50	84	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	2	1	n
9	n	n	n	n	n	12	1	1	n	n	1	n	n	n	n	n	n	n	n	n	17	2	2	6	n
10	n	n	n	n	n	n	n	13	1	n	n	1	n	n	n	n	n	n	n	n	61	11	1	4	3
11	n	n	n	n	n	n	n	42	7	1	n	2	1	2	n	n	n	n	n	n	3	59	n	n	8
12	n	n	n	n	n	n	n	29	20	5	n	n	n	1	n	n	n	n	n	n	n	11	n	n	2
13	n	n	n	n	n	n	n	11	29	28	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1
14	n	n	n	n	n	n	n	n	1	60	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
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	55	64	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	16	28	92	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	9	5	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27	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
87	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

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 9. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 10 days.

Land Segment	Hypothetical Spill Location																							
	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	S1	S2	S3	S4
11	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
12	n	8	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	38	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	27	11	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	12	33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	2	23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	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
19	n	n	n	n	n	3	1	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	n	n	n	n	3	2	21	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	1	1	4	26	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	8	18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	1	47	20	2	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	3	40	11	20	1	1	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	n	n	7	3	34	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	5	4	24	1	2	n	1	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	1	1	3	1	2	1	1	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	1	1	3	12	5	6	4	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	1	n	4	20	16	41	27	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	6	28	28	n	n	n	n	n	n	n
31	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
45	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
46	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
78	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
79	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
82	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	50	n	n
83	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	39	n	n
84	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	88	n	n	n
85	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

	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29
1	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
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	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
5	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
23	n	n	n	n	n	n	n	n	n	n	n	26	6	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n
35	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
36	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
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	21	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 10. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 30 days.

Land Segment	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
1	28	11	2	7	1	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
2	24	38	11	14	4	3	1	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
3	23	39	39	21	9	12	5	3	1	n	1	n	n	n	1	1	n	n	n	n	1	n	n	n	n
4	12	10	39	29	16	30	16	6	4	1	3	n	n	1	2	3	n	n	n	1	1	n	n	n	n
5	3	1	8	24	32	45	50	17	16	2	6	1	1	2	5	6	n	n	n	2	3	1	n	n	n
6	n	n	n	3	32	8	27	31	48	5	9	1	3	5	6	11	n	n	1	3	5	2	n	n	n
7	n	n	n	n	4	n	1	27	27	15	19	2	5	9	11	15	1	1	2	6	9	4	1	n	n
8	n	n	n	n	n	n	n	13	3	68	46	5	9	19	18	20	2	1	4	10	14	8	1	n	2
9	n	n	n	n	n	n	n	n	n	8	13	12	16	41	25	16	3	1	7	13	16	10	2	n	2
10	n	n	n	n	n	n	n	n	n	n	n	56	48	20	19	6	12	4	16	27	21	19	5	2	6
11	n	n	n	n	n	n	n	n	n	n	n	22	15	n	1	1	50	17	46	19	6	20	12	4	11
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	30	61	19	3	1	6	22	6	16
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	n	n	n	1	39	11	26
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14	40	25
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	35	4
87	10	1	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
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	n
6	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
7	1	1	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	2	3	2	5	2	3	1	2	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n
9	3	4	4	8	5	5	1	3	n	1	1	2	1	1	1	n	n	n	n	n	n	n	n	n	n
10	9	9	10	14	12	12	4	9	1	3	3	7	4	6	4	3	1	2	2	1	2	1	n	n	1
11	20	20	16	22	17	15	7	17	3	8	7	11	10	12	10	6	3	5	6	5	6	6	1	2	3
12	30	24	19	15	16	12	8	16	3	8	9	16	12	13	12	9	3	6	8	5	9	8	1	3	4
13	24	18	16	4	8	4	14	13	5	12	12	18	14	15	11	11	4	11	11	7	11	12	2	4	7
14	3	5	5	1	1	1	27	4	8	19	17	14	16	11	9	9	6	12	13	10	11	12	2	6	8
15	n	1	1	n	n	n	29	1	25	25	18	4	11	4	4	4	10	18	15	15	13	9	3	6	12
16	n	n	n	n	n	n	2	n	47	11	14	n	3	1	1	1	37	22	15	26	10	5	12	19	25
17	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	24	3	2	9	2	1	47	32	13
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	21	6	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

Notes: ** = Greater than 99.5 percent; n = less than 0.5 percent.
Rows with all values less than 0.5 percent are not shown.
Condensate spills may not persist at sea for more than several days.

Table 10. (Continued) -- Probabilities (expressed as percent chance) th at an oilspill starting at a particular location will contact a certain land segment (set 2) within 30 days.

Land Segment	Hypothetical Spill Location																								
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75
10	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
11	3	1	3	1	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	5	3	4	3	5	4	1	1	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
13	8	6	8	6	7	8	3	2	2	1	3	3	n	n	n	1	n	n	1	n	n	n	n	n	n
14	9	6	10	6	9	9	4	2	3	2	3	4	1	n	1	1	n	1	2	n	1	n	n	n	n
15	11	9	11	10	10	8	6	3	4	2	6	6	1	n	1	3	1	2	5	2	2	1	n	n	1
16	23	18	16	17	13	6	11	6	8	4	13	13	4	1	3	5	3	6	10	5	6	2	n	1	1
17	7	18	5	12	5	2	10	17	17	7	20	15	5	1	3	10	4	9	14	8	10	4	n	1	2
18	n	3	n	2	1	n	1	17	10	4	8	6	2	n	2	4	2	4	5	3	3	1	n	n	1
19	n	1	n	1	n	n	3	43	28	20	15	10	11	2	7	16	7	14	12	13	7	4	1	2	4
20	n	n	n	n	n	n	1	n	7	44	3	3	39	6	29	27	27	23	5	21	4	3	2	7	15
21	n	n	n	n	n	n	n	n	n	1	n	n	21	86	35	4	27	5	n	10	2	2	17	62	56
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	3	n	n	n	n	n	76	18	6

	P76	P77	P78	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100
16	1	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	1	n	n	n	1	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	1	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	3	1	2	1	1	2	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	12	2	4	2	4	7	16	3	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	43	10	28	7	24	40	35	13	4	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	16	64	54	22	41	32	7	23	6	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	3	19	4	64	15	4	4	46	68	73	38	10	1	1	3	6	4	4	2	1	1	n	n	n	n
24	n	n	n	1	n	n	n	2	10	11	48	39	17	41	24	41	19	14	7	6	10	3	4	n	n
25	n	n	n	n	n	n	n	n	1	1	4	15	21	38	21	19	11	6	4	4	9	4	3	n	n
26	n	n	n	n	n	n	n	n	n	n	3	17	35	16	28	19	19	12	6	7	14	6	4	n	n
27	n	n	n	n	n	n	n	n	n	n	1	6	18	2	12	7	17	18	12	11	23	10	3	n	n
28	n	n	n	n	n	n	n	n	n	n	n	2	5	1	5	2	10	12	14	16	22	24	4	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	3	5	13	17	11	37	14	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	9	1	16	47	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	13	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.
Condensate spills may not persist at sea for more than several days.

Table 10. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 30 days.

Land Segment	Hypothetical Spill Location																								
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25
1	77	36	12	n	n	n	1	1	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n
2	7	20	18	n	n	1	3	2	n	n	1	1	2	1	n	n	n	n	1	1	n	n	n	n	n
3	2	15	22	2	3	6	7	6	2	n	3	5	4	2	1	n	n	n	1	2	n	n	n	n	n
4	1	7	26	8	13	15	16	13	6	1	5	7	6	3	1	1	n	1	1	4	n	1	n	n	n
5	n	3	18	89	81	57	38	28	25	4	14	15	13	7	4	3	1	3	4	8	1	1	1	n	n
6	n	1	n	1	3	21	33	40	48	13	29	23	18	13	7	9	2	5	8	12	2	3	1	n	n
7	n	n	n	n	n	n	1	9	19	80	41	27	20	21	12	24	3	9	11	17	4	5	3	1	1
8	n	n	n	n	n	n	n	1	n	2	5	14	17	34	33	39	8	17	17	20	6	9	7	1	2
9	n	n	n	n	n	n	n	n	n	n	n	2	7	12	39	21	51	31	17	11	9	13	13	2	2
10	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	2	34	24	16	4	15	31	46	9	9
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	n	11	27	26	84	39
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	1	1	1	45
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	1
14	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
87	13	17	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46	T47	T48	T49	T50
6	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
7	n	n	n	n	n	1	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	1	n	n	n	n	2	2	4	4	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	1	1	1	n	1	3	2	5	6	5	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	3	1	3	1	3	7	6	10	14	11	9	1	n	1	n	n	n	n	n	n	n	n	n	n	n
11	11	6	7	3	7	14	14	21	35	20	16	3	n	1	1	n	n	n	n	n	n	n	n	n	n
12	35	16	12	5	8	20	31	31	19	20	16	4	n	1	1	1	n	n	n	n	n	n	n	n	n
13	48	74	51	13	22	27	39	15	4	12	11	6	n	2	2	1	n	n	n	n	n	n	n	n	n
14	n	1	25	77	56	16	1	1	1	2	3	6	n	2	2	1	1	n	n	n	n	n	n	n	n
15	n	n	n	n	n	1	n	n	n	n	n	6	1	6	4	2	1	1	n	1	1	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	n	7	3	83	31	6	2	1	1	2	3	1	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	5	6	n	55	34	4	1	1	1	3	1	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	49	2	1	1	1	2	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	3	9	n	n	n	84	3	2	5	8	2	1	1	n
20	n	n	n	n	n	n	n	n	n	n	n	2	22	n	n	n	1	84	9	16	19	9	2	2	1
21	n	n	n	n	n	n	n	n	n	n	n	1	18	n	n	n	n	4	66	45	21	30	8	9	4
22	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	10	10	3	27	24	20	6
23	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	2	13	55	55	75
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	6

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 10. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 30 days.

Land Segment	Hypothetical Spill Location																							
	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71	T72	T73	T74	T75
21	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
22	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
23	81	27	6	n	1	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n
24	13	52	46	18	19	1	2	2	3	2	6	7	4	6	3	5	2	n	2	1	n	n	n	n	n
25	n	7	24	71	20	2	2	5	6	3	8	7	4	6	2	4	2	n	2	n	n	n	n	n	n
26	n	5	15	9	28	8	9	20	15	7	12	10	8	10	3	6	2	n	3	n	n	n	n	n	n
27	n	1	4	1	18	86	40	59	39	13	24	16	11	14	3	7	2	n	2	n	n	n	n	n	n
28	n	1	1	n	10	2	46	13	35	71	40	22	30	23	6	12	2	n	3	n	n	n	n	n	n
29	n	n	n	n	1	n	n	n	1	2	7	15	40	36	74	31	13	1	7	1	1	n	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	3	1	2	7	17	40	2	21	3	1	1	1	n	n
31	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	2	34	93	42	27	5	2	6	2	n
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	44	16	8	17	5	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	15	40	15	13	13	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	43	11	19	n
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	9	2	27	n
36	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
37	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
45	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

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 10. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 30 days.

Land Segment	Hypothetical Spill Location																								
	T76	T77	T78	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	I1	I2	I3	I4	I5	I6	I7	I8	I9	I10	I11
2	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
3	n	n	n	2	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	n	n	9	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	n	36	3	5	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	51	5	8	4	3	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	1	9	12	8	4	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	n	28	24	12	8	5	5	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n
9	n	n	n	n	50	34	15	10	9	7	n	n	n	n	n	1	n	n	1	1	2	3	n	1	n
10	n	n	n	n	1	10	26	22	18	15	n	n	n	n	1	2	1	1	3	4	5	8	3	3	2
11	n	n	n	n	n	n	10	34	31	25	n	n	n	n	2	5	3	2	8	10	13	13	7	7	5
12	n	n	n	n	n	n	1	6	14	20	n	n	n	n	2	6	4	5	10	12	15	15	9	11	7
13	n	n	n	n	n	n	n	1	2	4	n	n	n	n	3	7	6	5	13	16	17	16	14	11	10
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	12	7	5	16	15	13	9	13	11	11
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	32	19	9	16	10	4	2	13	9	16
16	1	n	n	n	n	n	n	n	n	n	1	1	n	n	73	27	50	20	6	3	n	n	5	3	19
17	1	n	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	30	n	n	n	n	1	n	4
18	1	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	10	n	n	n	n	n	n	n
19	2	n	n	n	n	n	n	n	n	n	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n
20	5	n	n	n	n	n	n	n	n	n	8	9	n	n	n	n	n	n	n	n	n	n	n	n	n
21	6	n	n	n	n	n	n	n	n	n	68	47	n	n	n	n	n	n	n	n	n	n	n	n	n
22	5	n	n	n	n	n	n	n	n	n	7	21	n	n	n	n	n	n	n	n	n	n	n	n	n
23	7	n	1	n	n	n	n	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n
24	1	n	n	n	n	n	n	n	n	n	n	n	9	3	n	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	6	3	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	10	4	n	n	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	16	4	n	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	18	8	n	n	n	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	12	17	n	n	n	n	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	2	20	n	n	n	n	n	n	n	n	n	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n
32	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
52	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
53	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
54	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
55	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
56	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
65	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
67	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
68	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
69	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
70	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

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 10. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 30 days.

Land Segment	Hypothetical Spill Location																							
	I12	I13	I14	I15	I16	I17	I18	I19	I20	I21	I22	I23	I24	I25	I26	I27	I28	I29	I30	I31	I32	I33	I34	I35	I36
10	1	1	n	1	n	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	3	1	1	2	2	1	3	4	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	4	4	1	4	3	2	6	8	5	3	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n
13	7	4	1	6	5	3	8	10	7	6	4	2	1	n	n	n	n	n	n	n	n	n	n	n	n
14	7	5	2	9	6	5	9	12	9	7	6	4	2	n	n	n	n	1	1	n	n	n	n	n	n
15	11	7	3	11	10	6	12	11	12	9	8	4	3	n	n	n	1	2	1	n	n	n	n	n	n
16	26	24	8	24	22	12	14	8	14	18	16	11	6	1	1	n	2	3	3	n	n	n	n	1	1
17	13	34	60	12	19	17	4	1	4	11	16	20	9	1	2	n	2	5	5	n	1	n	1	2	1
18	1	2	17	n	3	6	1	n	1	1	4	12	5	1	1	n	1	2	2	n	n	n	n	n	1
19	n	n	n	n	1	26	n	n	n	1	4	21	18	3	5	n	3	11	9	1	1	1	2	3	2
20	n	n	n	n	n	n	n	n	n	n	n	n	35	89	22	2	17	35	35	2	6	2	6	10	7
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	56	96	63	20	18	36	32	10	28	50	39
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	57	49	79	45	20	29
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	3	7	1	4

	I37	I38	I39	I40	I41	I42	I43	I44	I45	I46	I47	I48	I49	I50	I51	F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14	6	1	1	n	n	n	n	n	n
2	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	23	15	5	3	n	n	n	1	n	n
3	n	n	n	2	3	1	n	n	n	n	n	n	n	n	n	34	27	19	8	2	n	n	1	1	n
4	n	n	n	6	5	2	n	n	n	n	1	n	n	n	n	24	40	56	23	18	n	n	3	2	n
5	n	n	n	18	14	4	1	n	n	n	2	1	n	n	n	3	11	19	49	80	1	n	6	5	1
6	n	n	n	64	32	9	4	n	1	n	6	3	1	1	n	n	n	n	14	n	2	1	10	8	2
7	n	n	n	9	29	17	10	1	1	n	10	5	3	3	1	n	n	n	1	n	4	2	13	11	3
8	n	n	n	n	16	52	84	1	3	n	15	10	7	5	3	n	n	n	n	n	9	3	18	17	7
9	n	n	n	n	n	13	1	2	4	n	14	11	10	6	5	n	n	n	n	n	18	5	16	20	9
10	n	n	n	n	n	n	n	13	9	1	15	19	17	16	12	n	n	n	n	n	62	14	9	14	21
11	n	n	n	n	n	n	n	42	19	3	4	16	22	22	19	n	n	n	n	n	3	61	1	2	28
12	n	n	n	n	n	n	n	29	27	6	n	4	7	17	17	n	n	n	n	n	n	12	n	n	11
13	n	n	n	n	n	n	n	11	30	28	n	1	1	3	7	n	n	n	n	n	n	n	n	n	2
14	n	n	n	n	n	n	n	n	1	60	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
23	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
24	57	64	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	20	29	92	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	14	6	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27	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
28	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
87	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

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 10. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 30 days.

Land Segment	Hypothetical Spill Location																								
	F11	F12	F13	F14	F15	F16	F17	F18	F19	F20	F21	F22	F23	F24	F25	F26	F27	F28	F29	F30	F31	S1	S2	S3	S4
7	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
8	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
9	5	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	12	4	5	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	18	9	11	4	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	13	13	13	6	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	3	39	16	9	11	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	1	28	22	13	12	3	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	13	34	6	6	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	2	23	3	11	7	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	11	8	9	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	3	3	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	7	9	15	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	n	n	n	n	4	8	24	16	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	1	2	5	35	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	12	22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	3	51	22	5	1	2	1	1	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	4	44	20	23	9	8	6	4	6	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	n	n	13	11	38	6	7	6	4	4	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	11	19	29	10	12	9	5	6	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	4	16	6	19	15	11	6	6	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	1	8	1	16	22	19	8	9	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	3	n	10	21	22	42	30	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	1	n	2	4	7	28	29	n	n	n	n	n	n	n
31	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
36	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
37	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
45	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
46	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
78	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
79	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
80	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
81	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
82	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	50	1	n
83	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	44	n	n
84	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	88	4	n	n
85	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

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 10. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 2) within 30 days.

Land Segment	Hypothetical Spill Location																								
	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25	S26	S27	S28	S29
1	n	n	n	n	9	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	n	n	n	n	12	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	n	n	n	n	14	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	n	n	n	20	4	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	n	n	24	11	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	n	n	n	n	9	14	17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	n	n	n	n	1	16	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
8	n	n	n	n	n	11	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
9	n	n	n	n	n	5	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	n	1	n	7	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	n	n	11	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	8	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	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
14	n	n	n	n	n	n	n	1	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	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
16	n	n	n	n	n	n	n	n	n	6	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	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	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
19	n	n	n	n	n	n	n	n	n	2	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	n	n	1	n	1	3	4	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	4	9	10	n	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	4	11	8	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	38	20	11	n	n	1	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	14	3	1	1	1	1	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	n	n	n	4	1	n	1	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	7	2	n	1	n	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	2	1	n	1	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	n	n	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	1	n	n	n	n	n	n	n	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	29	3	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	3	n	n	1	n	n	n	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	2	n	n	n	n	n	n
34	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
35	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
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	43	1	n	n	3	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	22	n	n	n	10	n	n
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	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
52	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
53	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
54	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
87	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

Notes: ** = Greater than 99.5 percent; n = less than 0.5 percent.
Rows with all values less than 0.5 percent are not shown.

Combined Analysis of Oilspill Occurrence and Oilspill Trajectory Simulations

Data in figure 7 indicate the probabilities of different numbers of oilspills occurring. Tables 2 to 10 indicate the probabilities that targets or land segments will be contacted, given that an oilspill occurs. Combining these two sets of probabilities yields estimates of the chances that oilspills will occur and contact targets or land segments.

A critical difference exists between the conditional probabilities calculated in the previous section and the overall probabilities calculated in this section. Conditional probabilities depend only on the winds and currents in the study area -- elements over which the decisionmaker has no control. Overall probabilities, on the other hand, will depend not only on the physical conditions, but also on the course of action chosen by the decisionmaker, that is, choosing to sell or not to sell the lease tracts.

Table 11 shows the probabilities (expressed as percent chance) of one or more oilspills, the most likely number of oilspills, and the expected number of oilspills occurring and contacting targets within periods of 3, 10, and 30 days, over the expected production life of the lease area for proposed and existing leases. Tables 12 and 13 show similar probabilities for land segments. Only the impact of Federal oil and gas leasing is shown in tables 11 to 13. Calculating oilspill probabilities for the proposed sale and then for the proposed sale along with existing leases allows for an analysis of oilspill risks due to cumulative Federal leasing actions. In appendix B tables of probabilities are presented that show the effects of existing imported oil transportation as compared to the effects of the proposed and existing leases.

The overall probabilities in tables 11 to 13 are also shown graphically for selected targets and land segments in appendices C and D. Figures C-1 through C-10 are histograms which show probabilities of 1, 2, ... N spills occurring and contacting specific targets within periods of 3, 10, and 30 days. Figures D-1 to D-3 indicate, through circles superimposed on maps of the coastline, the probabilities of one or more spills occurring (for the proposed and existing leases) and contacting land segments (set 2) within 3, 10, and 30 days, respectively.

Special analyses were made to examine two issues of concern, and are discussed in appendices E and F. The effects of declining production in the study area over the next two decades, and the concomitant reduction in risk, are examined in appendix E. Conditional probabilities were calculated for the Ixtoc I oilspill site and are presented in appendix F.

Table 11. -- Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, proposed and existing leases only.

Target	Within 3 days						Within 10 days						Within 30 days					
	Proposed			Existing and Proposed			Proposed			Existing and Proposed			Proposed			Existing and Proposed		
	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean
Land	6	0	0.1	99	5	5.1	11	0	0.1	**	8	8.9	17	0	0.2	**	12	12.8
Coastal Inlet Areas	2	0	0.0	5	0	0.0	2	0	0.0	10	0	0.1	3	0	0.0	30	0	0.4
Sea Grass Beds	n	0	0.0	n	0	0.0	1	0	0.0	1	0	0.0	1	0	0.0	2	0	0.0
Flower Garden Banks	n	0	0.0	4	0	0.0	n	0	0.0	8	0	0.1	n	0	0.0	28	0	0.3
Env. Preser. Areas	1	0	0.0	36	0	0.4	3	0	0.0	66	1	1.1	5	0	0.0	71	1	1.2
TX Rec. Beaches	n	0	0.0	6	0	0.1	1	0	0.0	16	0	0.2	1	0	0.0	49	0	0.7
LA Rec. Beaches	n	0	0.0	15	0	0.2	n	0	0.0	34	0	0.4	n	0	0.0	35	0	0.4
MI Rec. Beaches	n	0	0.0	n	0	0.0	1	0	0.0	6	0	0.1	2	0	0.0	13	0	0.1
AL Rec. Beaches	2	0	0.0	2	0	0.0	3	0	0.0	4	0	0.0	3	0	0.0	5	0	0.0
FL Rec. Beaches	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Hist./Arch. Sites	3	0	0.0	37	0	0.5	4	0	0.0	57	0	0.9	5	0	0.1	73	1	1.3
Brown Pelican	1	0	0.0	48	0	0.7	2	0	0.0	74	1	1.3	3	0	0.0	78	1	1.5
MI Sandhill Crane	n	0	0.0	n	0	0.0	n	0	0.0	1	0	0.0	1	0	0.0	3	0	0.0
Whooping Crane	n	0	0.0	n	0	0.0	n	0	0.0	1	0	0.0	n	0	0.0	2	0	0.0
Sea Turtle	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Manatee	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Dry Tortugas	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Key West	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Straits of Florida	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Yucatan Strait	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0

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

Table 12. -- Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting land segments (set 1) over the expected production life of the lease area, proposed and existing leases only.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	Proposed			Existing and Proposed			Proposed			Existing and Proposed			Proposed			Existing and Proposed		
	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean
3	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	1	0	0.0
4	n	0	0.0	n	0	0.0	n	0	0.0	1	0	0.0	n	0	0.0	1	0	0.0
5	n	0	0.0	1	0	0.0	n	0	0.0	1	0	0.0	n	0	0.0	2	0	0.0
6	n	0	0.0	n	0	0.0	n	0	0.0	1	0	0.0	n	0	0.0	3	0	0.0
7	n	0	0.0	n	0	0.0	n	0	0.0	2	0	0.0	n	0	0.0	6	0	0.1
8	n	0	0.0	3	0	0.0	n	0	0.0	5	0	0.1	1	0	0.0	17	0	0.2
9	n	0	0.0	n	0	0.0	n	0	0.0	2	0	0.0	n	0	0.0	15	0	0.2
10	n	0	0.0	5	0	0.1	n	0	0.0	14	0	0.1	1	0	0.0	49	0	0.7
11	n	0	0.0	1	0	0.0	n	0	0.0	2	0	0.0	n	0	0.0	8	0	0.1
12	n	0	0.0	5	0	0.0	n	0	0.0	16	0	0.2	1	0	0.0	42	0	0.5
13	n	0	0.0	22	0	0.2	1	0	0.0	40	0	0.5	1	0	0.0	78	1	1.5
14	n	0	0.0	11	0	0.1	1	0	0.0	40	0	0.5	1	0	0.0	62	0	1.0
15	n	0	0.0	30	0	0.4	n	0	0.0	41	0	0.5	n	0	0.0	50	0	0.7
16	n	0	0.0	1	0	0.0	n	0	0.0	4	0	0.0	n	0	0.0	5	0	0.1
17	n	0	0.0	56	0	0.8	1	0	0.0	72	1	1.3	1	0	0.0	76	1	1.4
18	n	0	0.0	39	0	0.5	n	0	0.0	44	0	0.6	n	0	0.0	46	0	0.6
19	n	0	0.0	25	0	0.3	1	0	0.0	50	0	0.7	1	0	0.0	52	0	0.7
20	1	0	0.0	89	2	2.2	2	0	0.0	96	3	3.1	3	0	0.0	97	3	3.4
21	1	0	0.0	1	0	0.0	2	0	0.0	2	0	0.0	2	0	0.0	3	0	0.0
22	n	0	0.0	1	0	0.0	1	0	0.0	1	0	0.0	1	0	0.0	1	0	0.0

Note: n = less than 0.5 percent; ** = greater than 99.5 percent. Segments with less than a 0.5 percent probability of one or more contacts within 30 days are not shown.

Table 13. -- Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting land segments (set 2) over the expected production life of the lease area, proposed and existing leases only.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	Proposed			Existing and Proposed			Proposed			Existing and Proposed			Proposed			Existing and Proposed		
	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean
3	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	1	0	0.0
4	n	0	0.0	n	0	0.0	n	0	0.0	1	0	0.0	n	0	0.0	1	0	0.0
5	n	0	0.0	1	0	0.0	n	0	0.0	2	0	0.0	n	0	0.0	3	0	0.0
6	n	0	0.0	n	0	0.0	n	0	0.0	2	0	0.0	n	0	0.0	4	0	0.0
7	n	0	0.0	n	0	0.0	n	0	0.0	2	0	0.0	n	0	0.0	6	0	0.1
8	n	0	0.0	2	0	0.0	n	0	0.0	4	0	0.0	n	0	0.0	11	0	0.1
9	n	0	0.0	n	0	0.0	n	0	0.0	2	0	0.0	n	0	0.0	10	0	0.1
10	n	0	0.0	1	0	0.0	n	0	0.0	4	0	0.0	n	0	0.0	21	0	0.2
11	n	0	0.0	4	0	0.0	n	0	0.0	9	0	0.1	1	0	0.0	33	0	0.4
12	n	0	0.0	3	0	0.0	n	0	0.0	12	0	0.1	1	0	0.0	38	0	0.5
13	n	0	0.0	9	0	0.1	n	0	0.0	19	0	0.2	1	0	0.0	45	0	0.6
14	n	0	0.0	11	0	0.1	n	0	0.0	17	0	0.2	n	0	0.0	45	0	0.6
15	n	0	0.0	6	0	0.1	n	0	0.0	16	0	0.2	n	0	0.0	42	0	0.5
16	n	0	0.0	8	0	0.1	1	0	0.0	33	0	0.4	1	0	0.0	56	0	0.8
17	n	0	0.0	30	0	0.4	n	0	0.0	47	0	0.6	1	0	0.0	58	0	0.9
18	n	0	0.0	14	0	0.2	n	0	0.0	21	0	0.2	n	0	0.0	24	0	0.3
19	n	0	0.0	12	0	0.1	n	0	0.0	27	0	0.3	n	0	0.0	31	0	0.4
20	n	0	0.0	45	0	0.6	n	0	0.0	54	0	0.8	1	0	0.0	57	0	0.8
21	n	0	0.0	55	0	0.8	1	0	0.0	66	1	1.1	1	0	0.0	69	1	1.2
22	1	0	0.0	58	0	0.9	1	0	0.0	77	1	1.5	1	0	0.0	78	1	1.5
23	n	0	0.0	51	0	0.7	n	0	0.0	64	1	1.0	1	0	0.0	67	1	1.1
24	1	0	0.0	62	0	1.0	1	0	0.0	74	1	1.4	2	0	0.0	77	1	1.5
25	n	0	0.0	2	0	0.0	n	0	0.0	29	0	0.3	1	0	0.0	39	0	0.5
26	n	0	0.0	n	0	0.0	n	0	0.0	18	0	0.2	1	0	0.0	31	0	0.4
27	n	0	0.0	n	0	0.0	n	0	0.0	4	0	0.0	1	0	0.0	12	0	0.1
28	n	0	0.0	n	0	0.0	n	0	0.0	2	0	0.0	1	0	0.0	5	0	0.0
29	1	0	0.0	1	0	0.0	2	0	0.0	2	0	0.0	2	0	0.0	3	0	0.0
30	1	0	0.0	1	0	0.0	1	0	0.0	1	0	0.0	1	0	0.0	1	0	0.0

Note: n = less than 0.5 percent; ** = greater than 99.5 percent. Segments with less than a 0.5 percent probability of one or more contacts within 30 days are not shown.

Discussion of Results

Sale of the proposed leases will result in a 0.17 probability of one or more oilspills greater than 1,000 barrels occurring and contacting land within 30 days, over the production life of the proposed leases. The same probability for contact within 3 days is 0.06, indicating the smaller chance of oil that has not weathered substantially washing ashore.

Oilspill risks to the study area are small when considering the proposed lease tracts alone. The distribution of risk from Sales 67 and 69 occurs mainly along the Louisiana, Mississippi, and Alabama coasts, with little risk to Texas or Florida. When proposed and existing production are combined and analyzed, however, considerable risk is distributed along the coast from Galveston, Texas, to New Orleans, Louisiana. This risk reflects the overall distribution of resource areas as seen in figures 1 and 2, as well as the proximity of major pipelines used for transportation of oil to shore (figure 4a).

Targets most likely to suffer oilspill contacts include historical/archeological sites, environmental preservation areas, and brown pelican rookeries. The probabilities involved are far less when considering only tracts proposed for Sales 67 and 69, however. For example, the probabilities of one or more contacts within 30 days to brown pelican rookeries is 0.03 for the proposed tracts, compared to 0.78 for the proposed and existing tracts combined (table 11). These targets are distributed throughout the study area and are thus more exposed to contact. Also, portions of each of these targets are located along the Louisiana coast, a relatively high impact area. Among targets that suffer little risk from proposed and existing tracts are: Florida recreational beaches, sea turtle nesting beaches, manatee habitats, the Dry Tortugas, and Key West. Habitats of endangered species such as whooping cranes and Mississippi sandhill cranes have only a small chance of being contacted by a spill. Also, little impact is associated with the Flower Garden Banks.

Existing waterborne transportation of imported oil presents a risk of expected spills about 1.5 times greater than the production and transportation of oil from the existing and proposed leases. To the extent that oil from Sales 67 and 69 displaces imported oil, the overall risks of Sales 67 and 69 will be substituted for those of oil imports. Tables B-1 to B-3 do not incorporate such a substitution effect.

Conclusions

This analysis indicates that OCS Lease Sales 67 and 69 will result in an expected 0.34 oilspills occurring in the Gulf of Mexico area over the expected production life of the proposed leases. The probability that one or more oilspills will occur and contact land within 3 days is 0.06; for contacts within 30 days, the probability increases to 0.17. Risks to land from Sales 67 and 69 are mostly concentrated along the coasts of Louisiana, Mississippi, and Alabama. If existing leases or existing transportation of oil is considered, the probability of spills occurring and contacting land becomes greater than 0.99.

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Appendix A

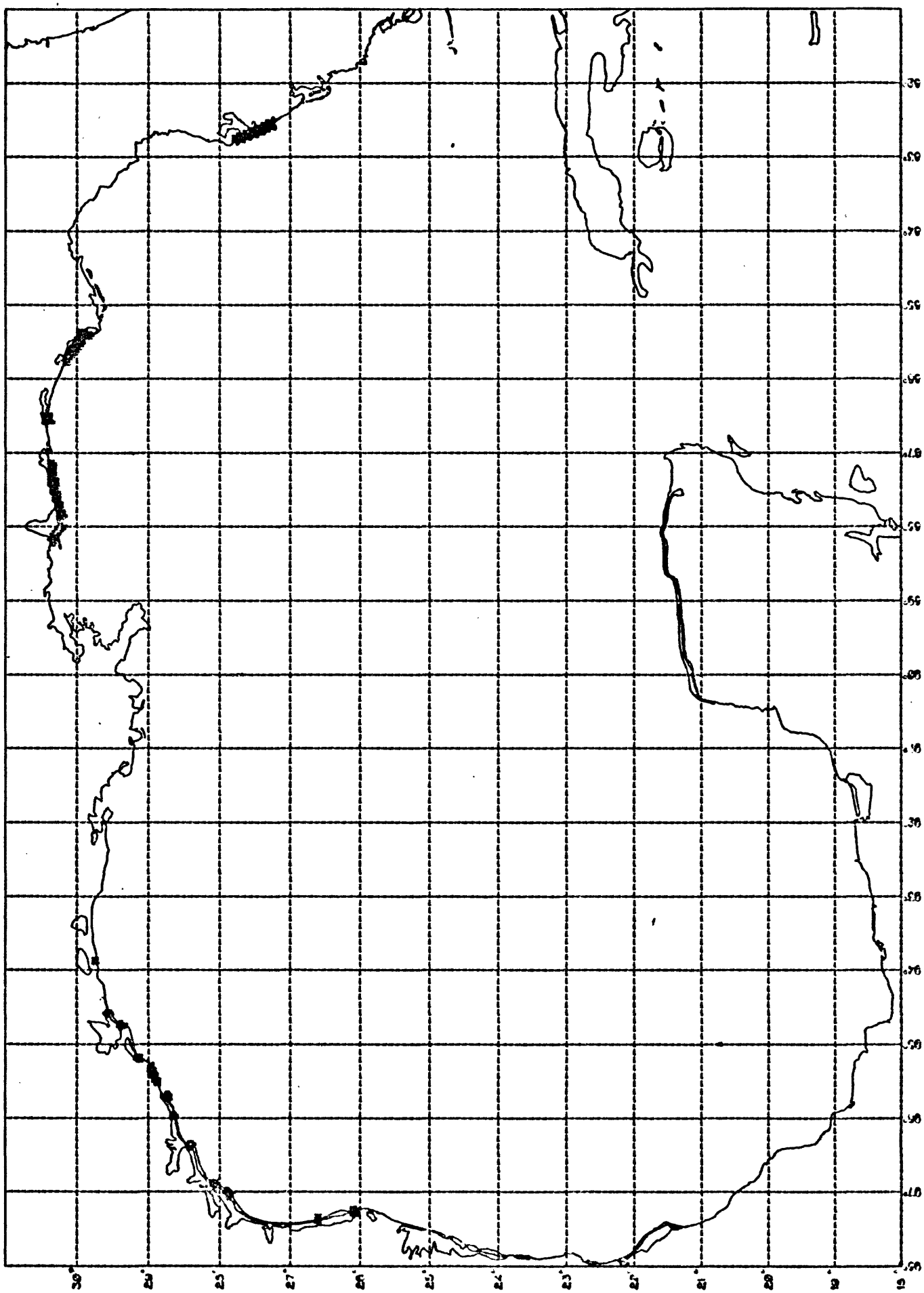

Figure A-1.--Map showing the locations of coastal inlet areas, Gulf of Mexico OCS Lease Sales 67 and 69: crosshatching indicates areal extent.

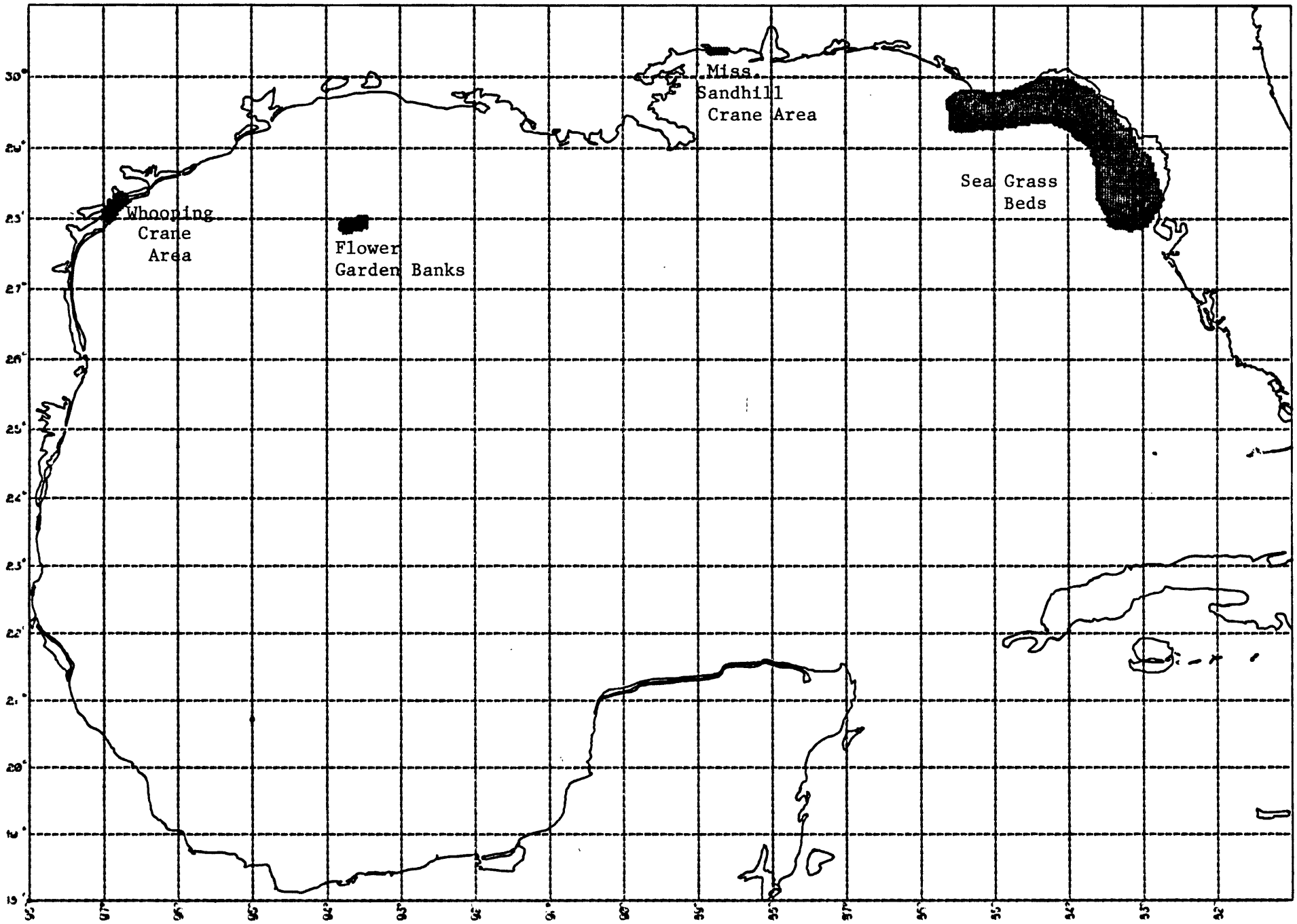

Figure A-2.--Map showing the locations of four targets, Gulf of Mexico OCS Lease Sales 67 and 69: crosshatching indicates areal extent.

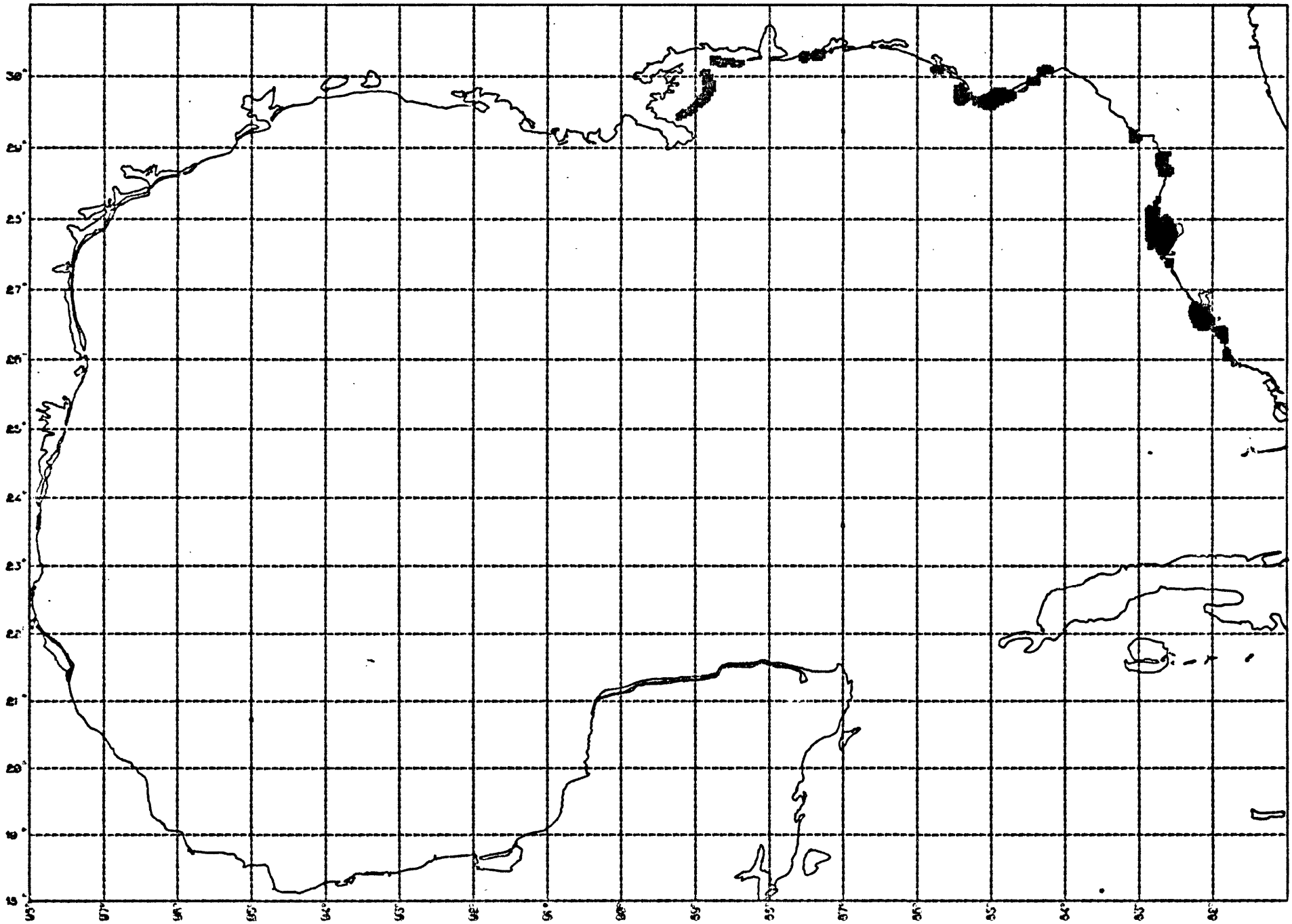

Figure A-3.--Map showing the locations of designated environmental preservation areas, Gulf of Mexico OCS Lease Sales 67 and 69: crosshatching indicates areal extent.

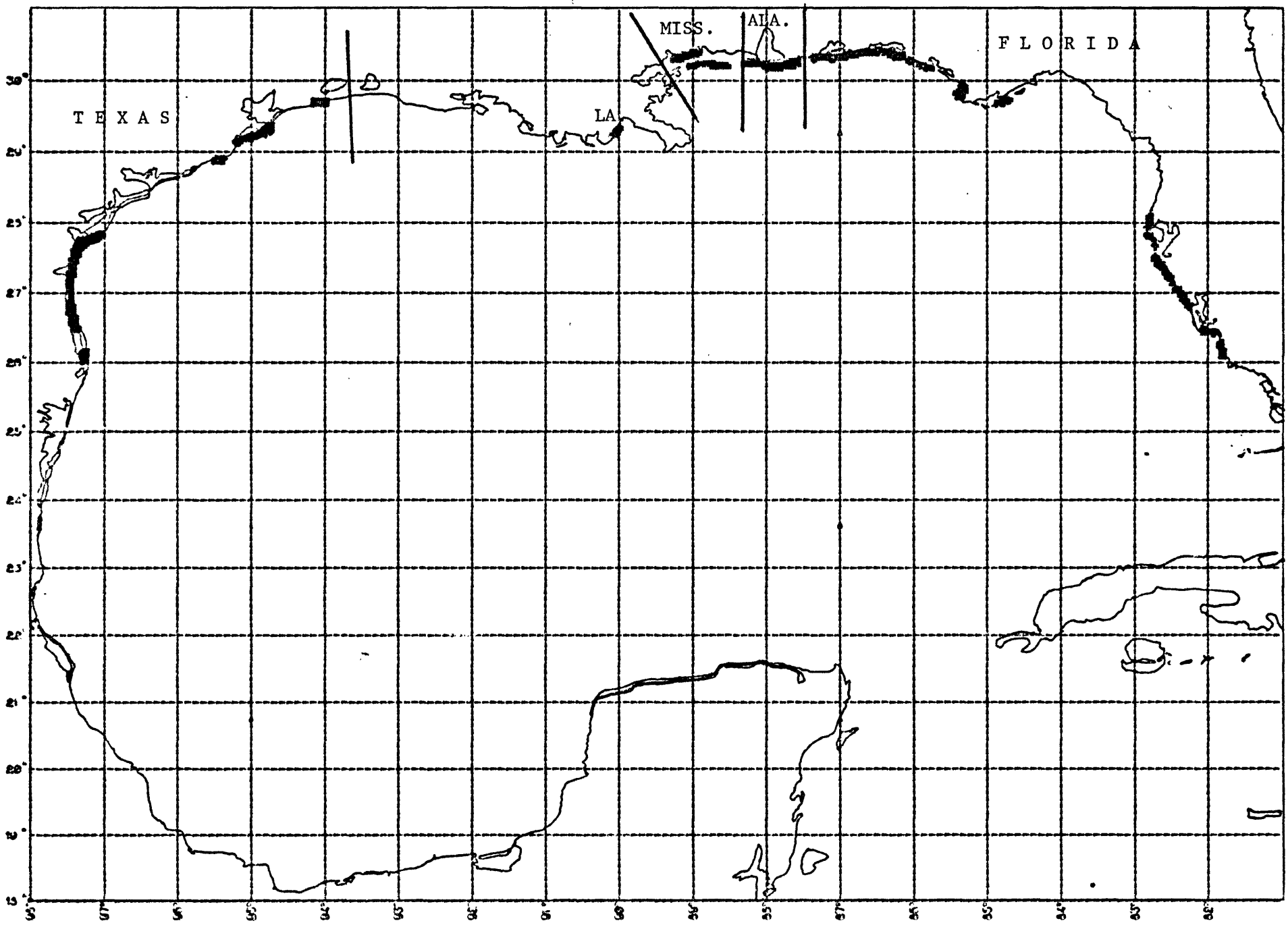

Figure A-4.--Map showing the locations of state recreational beach areas, Gulf of Mexico OCS Lease Sales 67 and 69: crosshatching indicates areal extent.

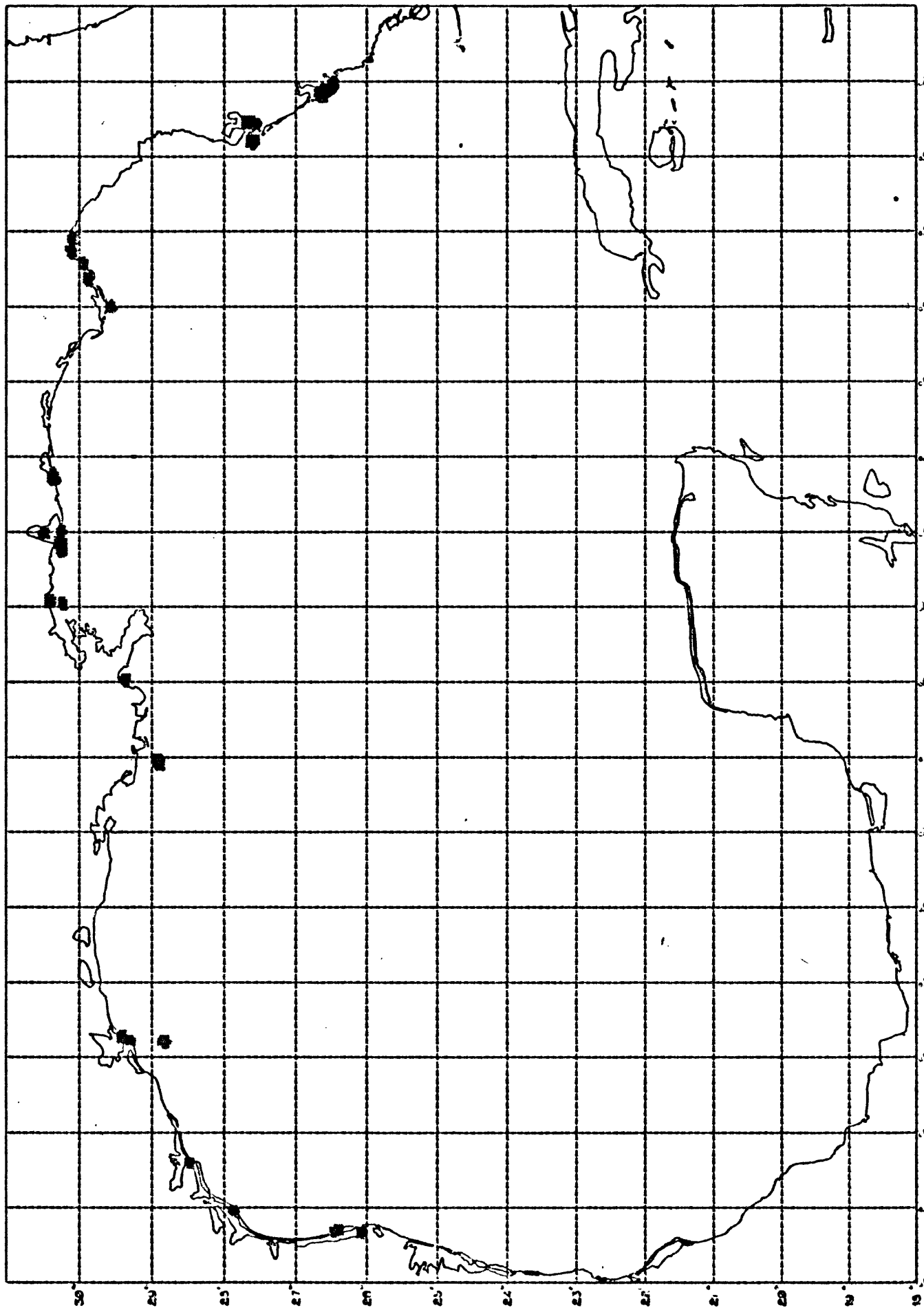

Figure A-5.--Map showing the locations of historical/archeological sites, Gulf of Mexico OCS Lease Sales 67 and 69: crosshatching indicates areal extent.

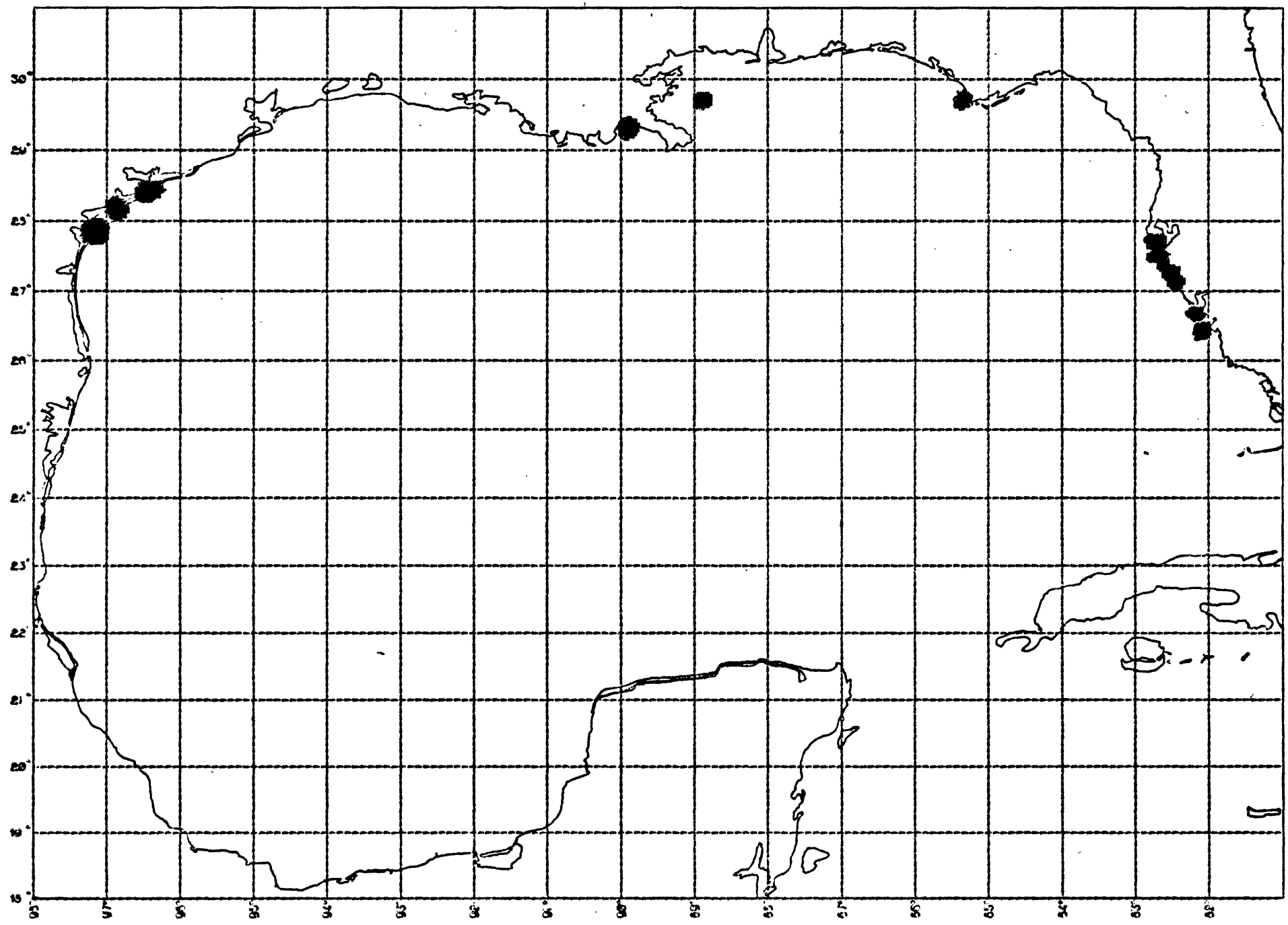

Figure A-6.--Map showing the locations of brown pelican rookeries, Gulf of Mexico OCS Lease Sales 67 and 69: crosshatching indicates areal extent.

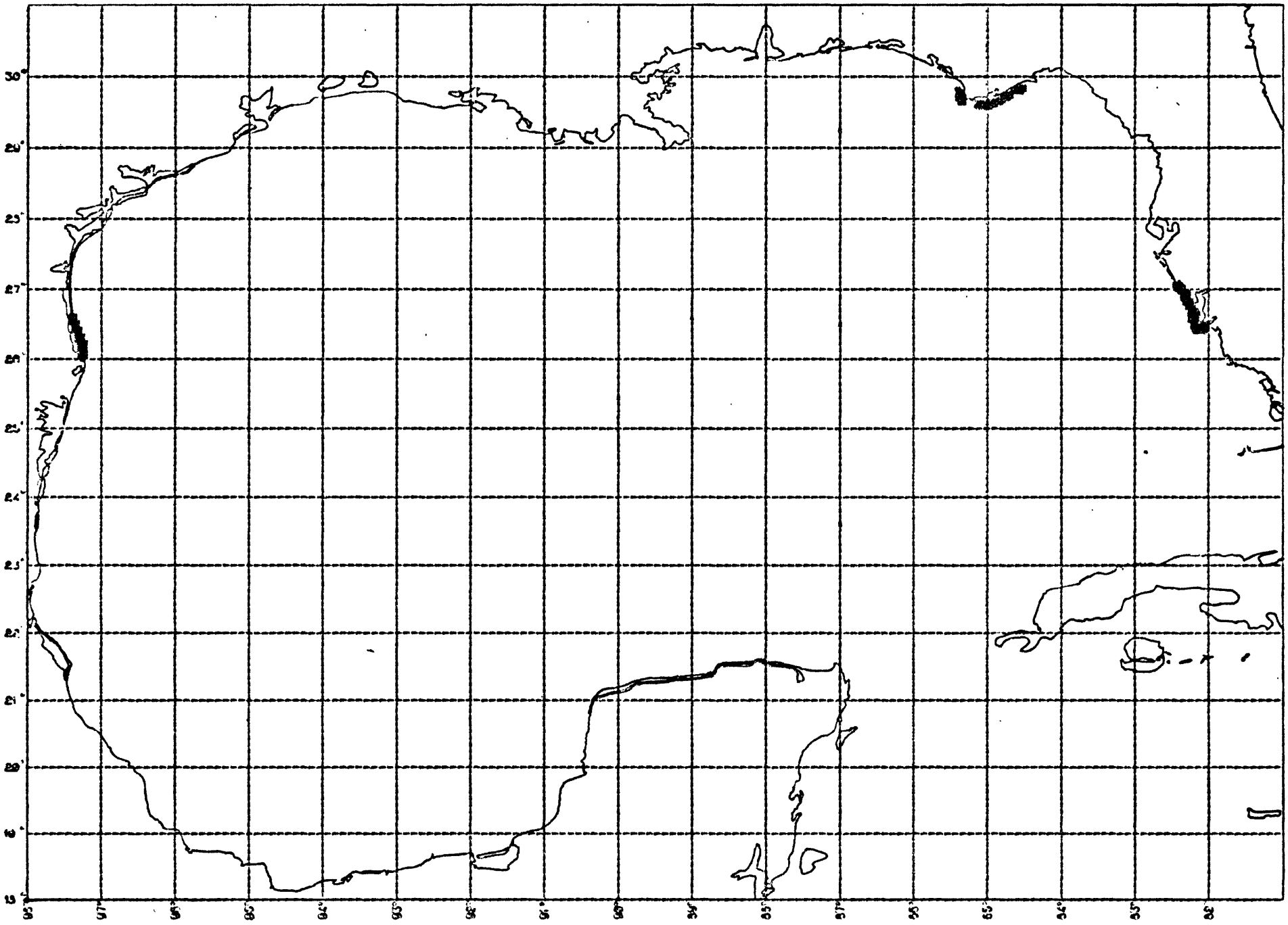

Figure A-7.--Map showing the locations of sea turtle nesting beaches, Gulf of Mexico OCS Lease Sales 67 and 69: crosshatching indicates areal extent.

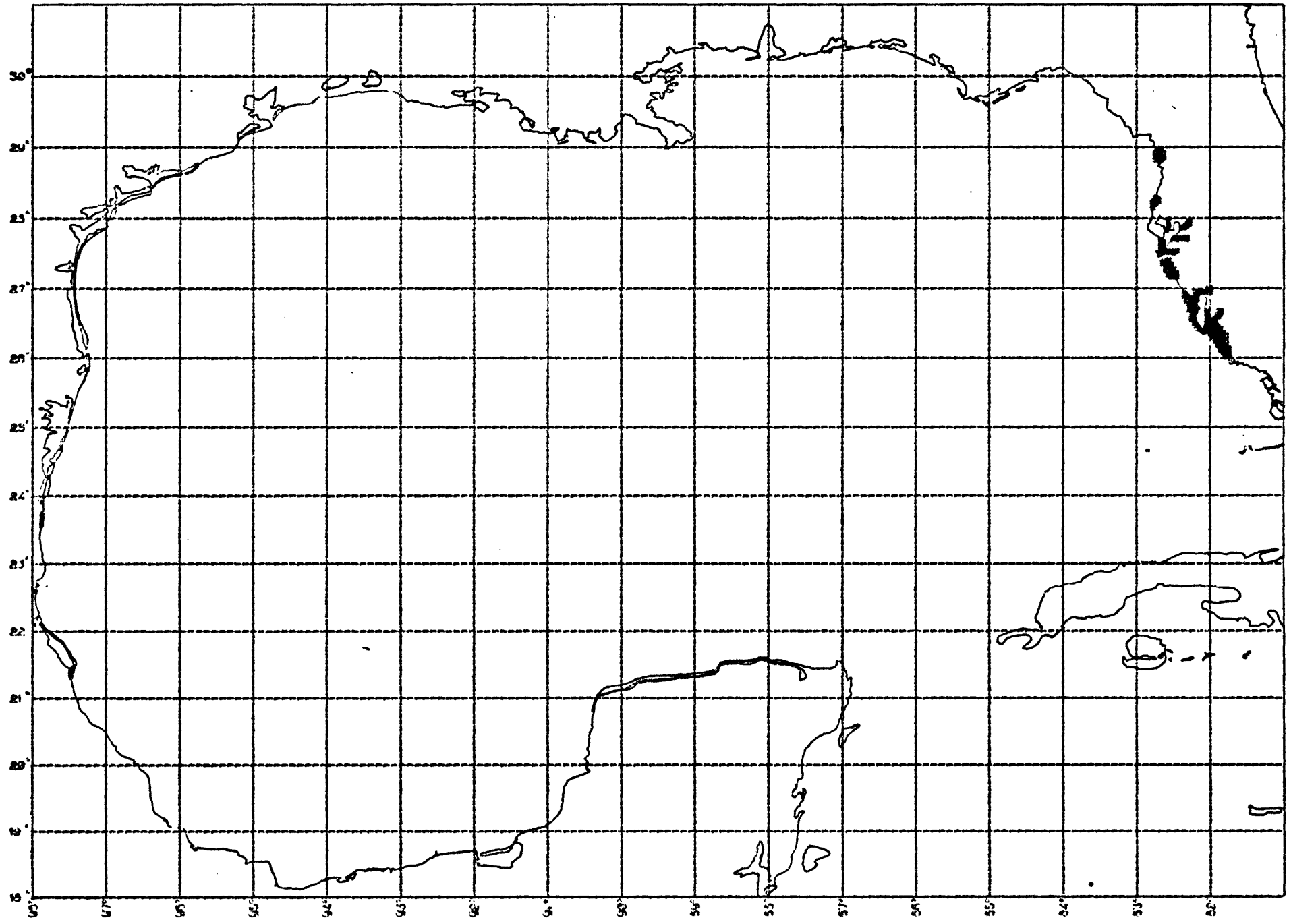

Figure A-8.--Map showing the locations of manatee habitats, Gulf of Mexico OCS Lease Sales 67 and 69: crosshatching indicates areal extent.

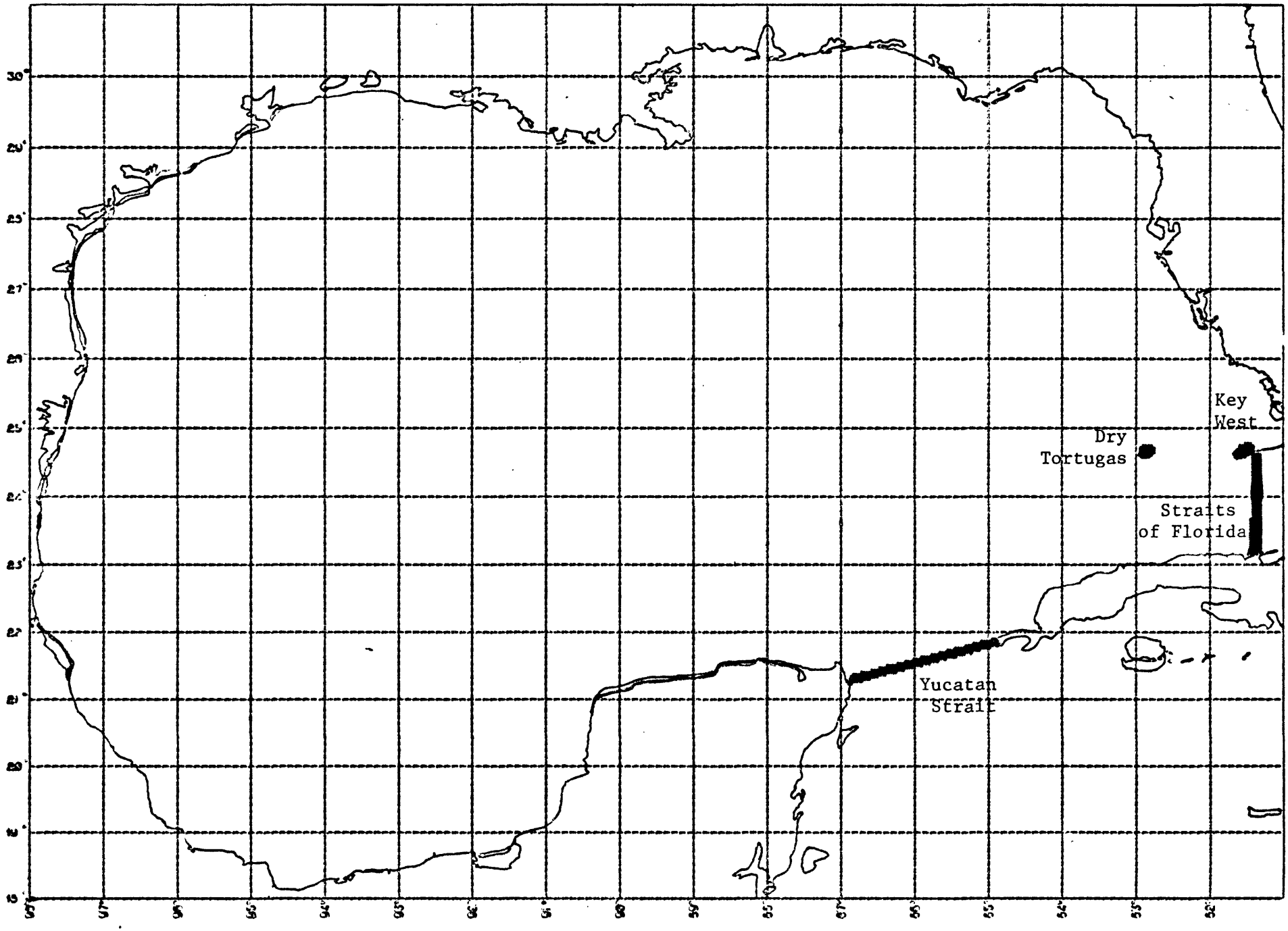

Figure A-9.--Map showing the locations of four targets, Gulf of Mexico OCS Lease Sales 67 and 69: crosshatching indicates areal extent.

Appendix B

Table B-1. -- Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, proposed and existing leases and existing transportation of imported oil.

Target	Within 3 days						Within 10 days						Within 30 days					
	Proposed and Existing			Existing Transportation			Proposed and Existing			Existing Transportation			Proposed and Existing			Existing Transportation		
	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean
Land	99	5	5.1	68	1	1.1	**	8	8.9	95	3	3.1	**	12	12.8	**	11	11.3
Coastal Inlet Areas	5	0	0.0	17	0	0.2	10	0	0.1	26	0	0.3	30	0	0.4	53	0	0.8
Sea Grass Beds	n	0	0.0	n	0	0.0	1	0	0.0	n	0	0.0	2	0	0.0	n	0	0.0
Flower Garden Banks	4	0	0.0	11	0	0.1	8	0	0.1	29	0	0.3	28	0	0.3	52	0	0.7
Env. Preser. Areas	36	0	0.4	26	0	0.3	66	1	1.1	35	0	0.4	71	1	1.3	50	0	0.7
TX Rec. Beaches	6	0	0.1	23	0	0.3	16	0	0.2	43	0	0.6	49	0	0.7	77	1	1.5
LA Rec. Beaches	15	0	0.2	n	0	0.0	34	0	0.4	5	0	0.1	35	0	0.4	28	0	0.3
MI Rec. Beaches	n	0	0.0	5	0	0.0	6	0	0.1	9	0	0.1	13	0	0.1	14	0	0.1
AL Rec. Beaches	3	0	0.0	1	0	0.0	4	0	0.0	1	0	0.0	5	0	0.0	1	0	0.0
FL Rec. Beaches	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Hist./Arch. Sites	37	0	0.5	19	0	0.2	58	0	0.9	46	0	0.6	73	1	1.3	87	2	2.1
Brown Pelican	48	0	0.7	13	0	0.1	74	1	1.3	35	0	0.4	78	1	1.5	71	1	1.2
MI Sandhill Crane	n	0	0.0	2	0	0.0	1	0	0.0	4	0	0.0	3	0	0.0	6	0	0.1
Whooping Crane	n	0	0.0	1	0	0.0	1	0	0.0	3	0	0.0	2	0	0.0	6	0	0.1
Sea Turtle	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Manatee	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Dry Tortugas	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Key West	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Straits of Florida	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Yucatan Strait	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0

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

Table B-2. -- Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting land segments (set 1) over the expected production life of the lease area, proposed and existing leases and existing transportation of imported oil.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	Proposed and Existing			Existing Transportation			Proposed and Existing			Existing Transportation			Proposed and Existing			Existing Transportation		
	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean
3	n	0	0.0	n	0	0.0	n	0	0.0	1	0	0.0	1	0	0.0	4	0	0.0
4	n	0	0.0	n	0	0.0	1	0	0.0	2	0	0.0	1	0	0.0	6	0	0.1
5	1	0	0.0	5	0	0.1	1	0	0.0	8	0	0.1	2	0	0.0	11	0	0.1
6	n	0	0.0	4	0	0.0	1	0	0.0	11	0	0.1	3	0	0.0	16	0	0.2
7	n	0	0.0	n	0	0.0	2	0	0.0	7	0	0.1	6	0	0.1	15	0	0.2
8	3	0	0.0	n	0	0.0	5	0	0.1	3	0	0.0	17	0	0.2	28	0	0.3
9	n	0	0.0	n	0	0.0	2	0	0.0	3	0	0.0	15	0	0.2	27	0	0.3
10	5	0	0.1	21	0	0.2	14	0	0.2	43	0	0.6	49	0	0.7	79	1	1.6
11	1	0	0.0	n	0	0.0	2	0	0.0	4	0	0.0	8	0	0.1	15	0	0.2
12	5	0	0.0	8	0	0.1	16	0	0.2	25	0	0.3	42	0	0.5	55	0	0.8
13	22	0	0.2	9	0	0.1	40	0	0.5	17	0	0.2	78	1	1.5	61	0	0.9
14	11	0	0.1	n	0	0.0	40	0	0.5	n	0	0.0	62	0	1.0	36	0	0.4
15	30	0	0.4	n	0	0.0	41	0	0.5	n	0	0.0	50	0	0.7	24	0	0.3
16	1	0	0.0	n	0	0.0	4	0	0.0	n	0	0.0	5	0	0.1	3	0	0.0
17	56	0	0.8	n	0	0.0	72	1	1.3	18	0	0.2	76	1	1.4	81	1	1.7
18	39	0	0.5	n	0	0.0	44	0	0.6	9	0	0.1	46	0	0.6	32	0	0.4
19	25	0	0.3	n	0	0.0	50	0	0.7	8	0	0.1	52	0	0.7	44	0	0.6
20	89	2	2.2	38	0	0.5	96	3	3.1	54	0	0.8	97	3	3.4	87	2	2.1
21	2	0	0.0	1	0	0.0	3	0	0.0	1	0	0.0	3	0	0.0	1	0	0.0
22	1	0	0.0	n	0	0.0	1	0	0.0	n	0	0.0	1	0	0.0	n	0	0.0

Note n = less than 0.5 percent; ** = greater than 99.5 percent. Segments with less than a 0.5 percent probability of one or more contacts within 30 days are not shown.

Table B-3. -- Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting land segments (set 2) over the expected production life of the lease area, proposed and existing leases and existing transportation of imported oil.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	Proposed and Existing			Existing Transportation			Proposed and Existing			Existing Transportation			Proposed and Existing			Existing Transportation		
	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean
2	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	1	0	0.0
3	n	0	0.0	n	0	0.0	n	0	0.0	1	0	0.0	1	0	0.0	3	0	0.0
4	n	0	0.0	n	0	0.0	1	0	0.0	3	0	0.0	1	0	0.0	6	0	0.1
5	1	0	0.0	8	0	0.1	2	0	0.0	14	0	0.2	3	0	0.0	19	0	0.2
6	n	0	0.0	1	0	0.0	2	0	0.0	9	0	0.1	4	0	0.0	16	0	0.2
7	n	0	0.0	n	0	0.0	2	0	0.0	4	0	0.0	6	0	0.1	13	0	0.1
8	2	0	0.0	n	0	0.0	4	0	0.0	2	0	0.0	11	0	0.1	17	0	0.2
9	n	0	0.0	n	0	0.0	2	0	0.0	1	0	0.0	10	0	0.1	19	0	0.2
10	1	0	0.0	n	0	0.0	4	0	0.0	6	0	0.1	21	0	0.2	36	0	0.4
11	4	0	0.0	21	0	0.2	9	0	0.1	36	0	0.4	33	0	0.4	65	1	1.1
12	3	0	0.0	2	0	0.0	12	0	0.1	21	0	0.2	38	0	0.5	55	0	0.8
13	9	0	0.1	11	0	0.1	19	0	0.2	23	0	0.3	45	0	0.6	50	0	0.7
14	11	0	0.1	5	0	0.0	17	0	0.2	8	0	0.1	45	0	0.6	31	0	0.4
15	6	0	0.1	n	0	0.0	16	0	0.2	n	0	0.0	42	0	0.5	24	0	0.3
16	8	0	0.1	n	0	0.0	33	0	0.4	n	0	0.0	56	0	0.8	32	0	0.4
17	30	0	0.4	n	0	0.0	47	0	0.6	n	0	0.0	58	0	0.9	29	0	0.3
18	14	0	0.2	n	0	0.0	21	0	0.2	n	0	0.0	24	0	0.3	13	0	0.1
19	12	0	0.1	n	0	0.0	28	0	0.3	3	0	0.0	31	0	0.4	38	0	0.5
20	45	0	0.6	n	0	0.0	54	0	0.8	12	0	0.1	57	0	0.8	58	0	0.9
21	56	0	0.8	n	0	0.0	66	1	1.1	20	0	0.2	69	1	1.2	65	1	1.0
22	58	0	0.9	n	0	0.0	77	1	1.5	15	0	0.2	78	1	1.5	58	0	0.9
23	51	0	0.7	24	0	0.3	64	1	1.0	33	0	0.4	67	1	1.1	74	1	1.3
24	62	0	1.0	15	0	0.2	74	1	1.4	23	0	0.3	77	1	1.5	36	0	0.4
25	2	0	0.0	13	0	0.1	29	0	0.3	23	0	0.3	39	0	0.5	29	0	0.3
26	n	0	0.0	1	0	0.0	18	0	0.2	8	0	0.1	31	0	0.4	16	0	0.2
27	n	0	0.0	n	0	0.0	4	0	0.0	4	0	0.0	12	0	0.1	8	0	0.1
28	n	0	0.0	3	0	0.0	2	0	0.0	6	0	0.1	5	0	0.1	8	0	0.1
29	1	0	0.0	1	0	0.0	2	0	0.0	1	0	0.0	3	0	0.0	1	0	0.0
30	1	0	0.0	n	0	0.0	1	0	0.0	n	0	0.0	2	0	0.0	n	0	0.0

Note n = less than 0.5 percent; ** = greater than 99.5 percent. Segments with less than a 0.5 percent probability of one or more contacts within 30 days are not shown.

Appendix C

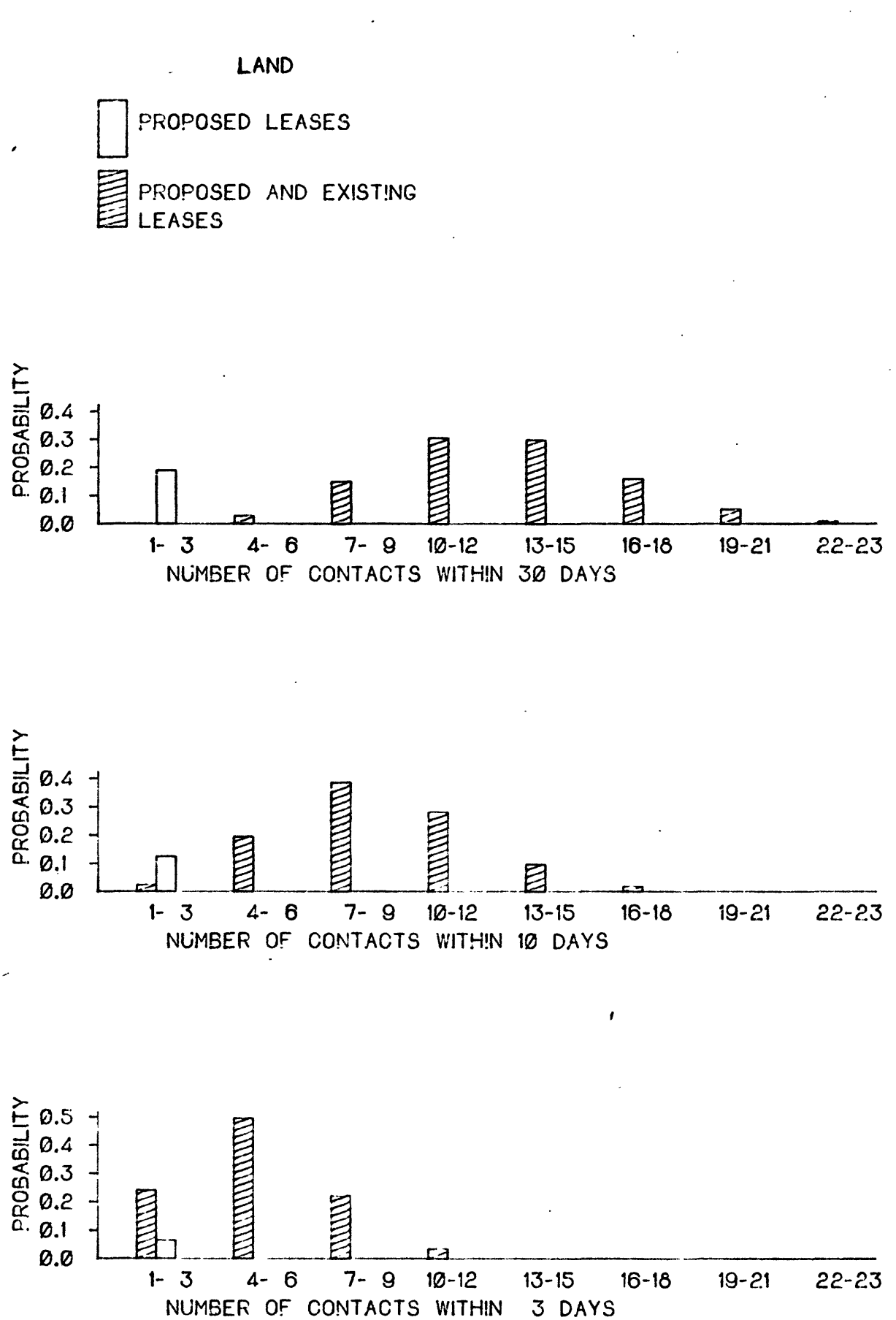

Figure C-1.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting land as a result of the proposed leasing action and the proposed and existing leases.

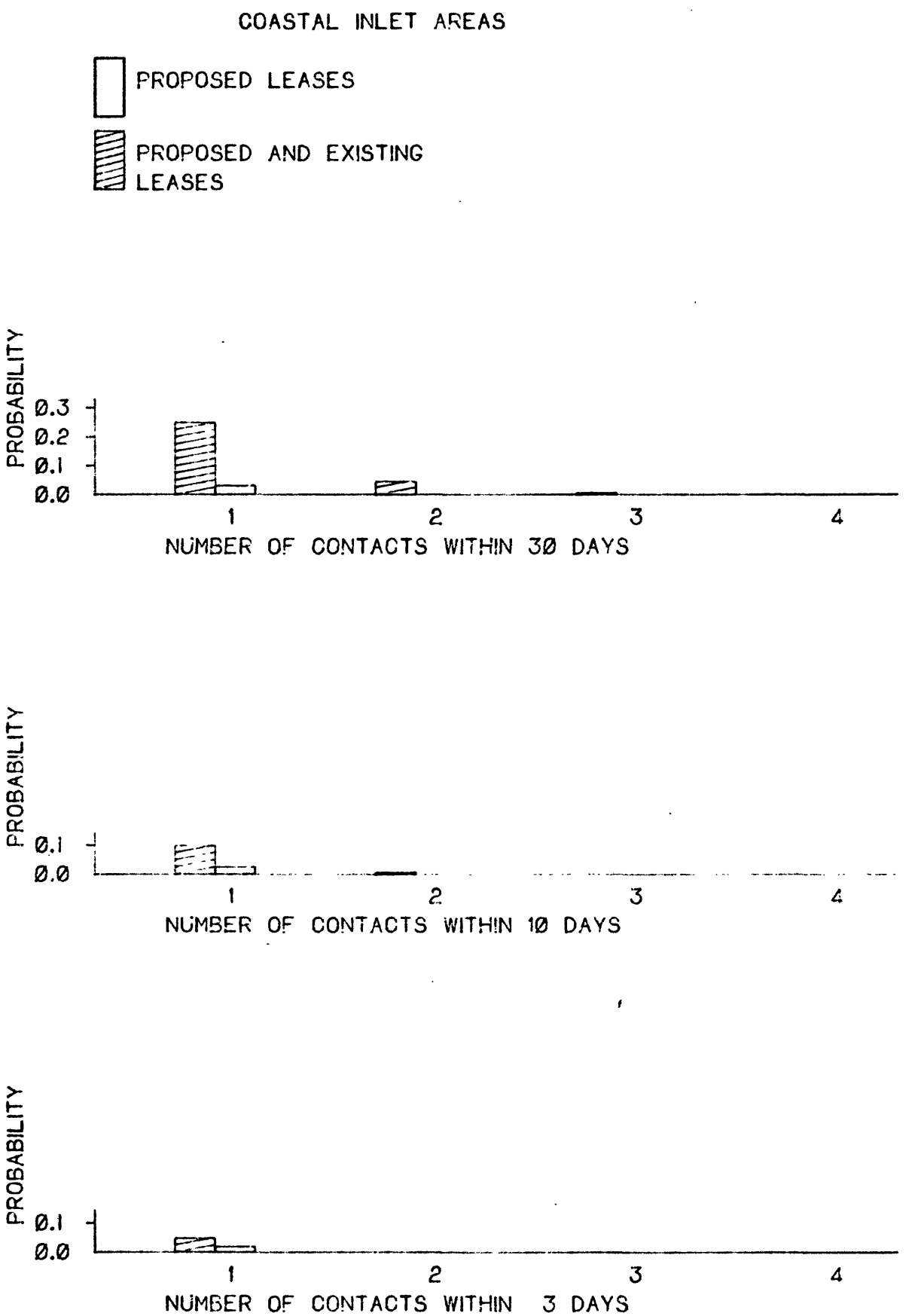

Figure C-2.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting coastal inlet areas as a result of the proposed leasing action and the proposed and existing leases.

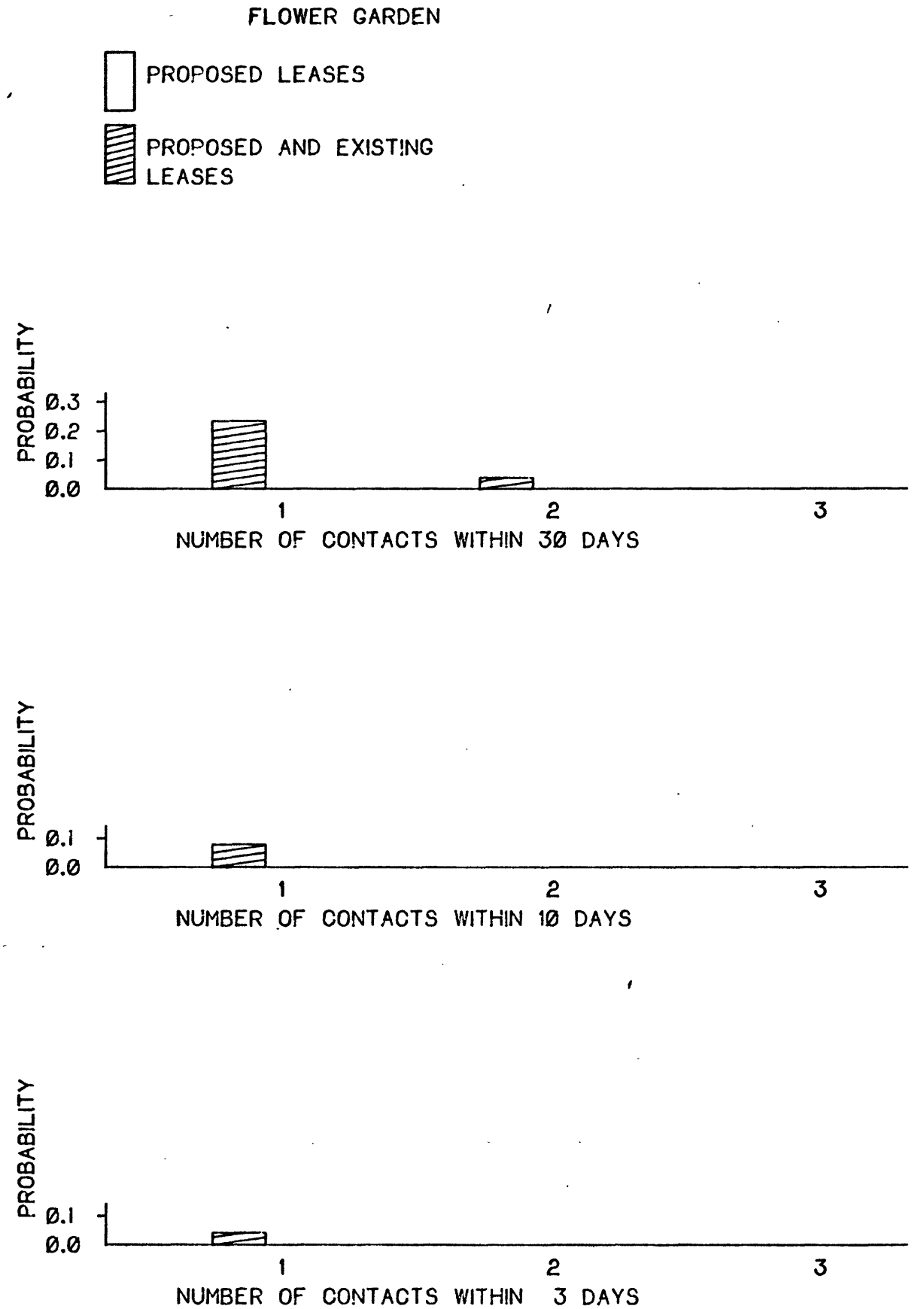

Figure C-3.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting the Flower Garden Banks as a result of the proposed leasing action and the proposed and existing leases.

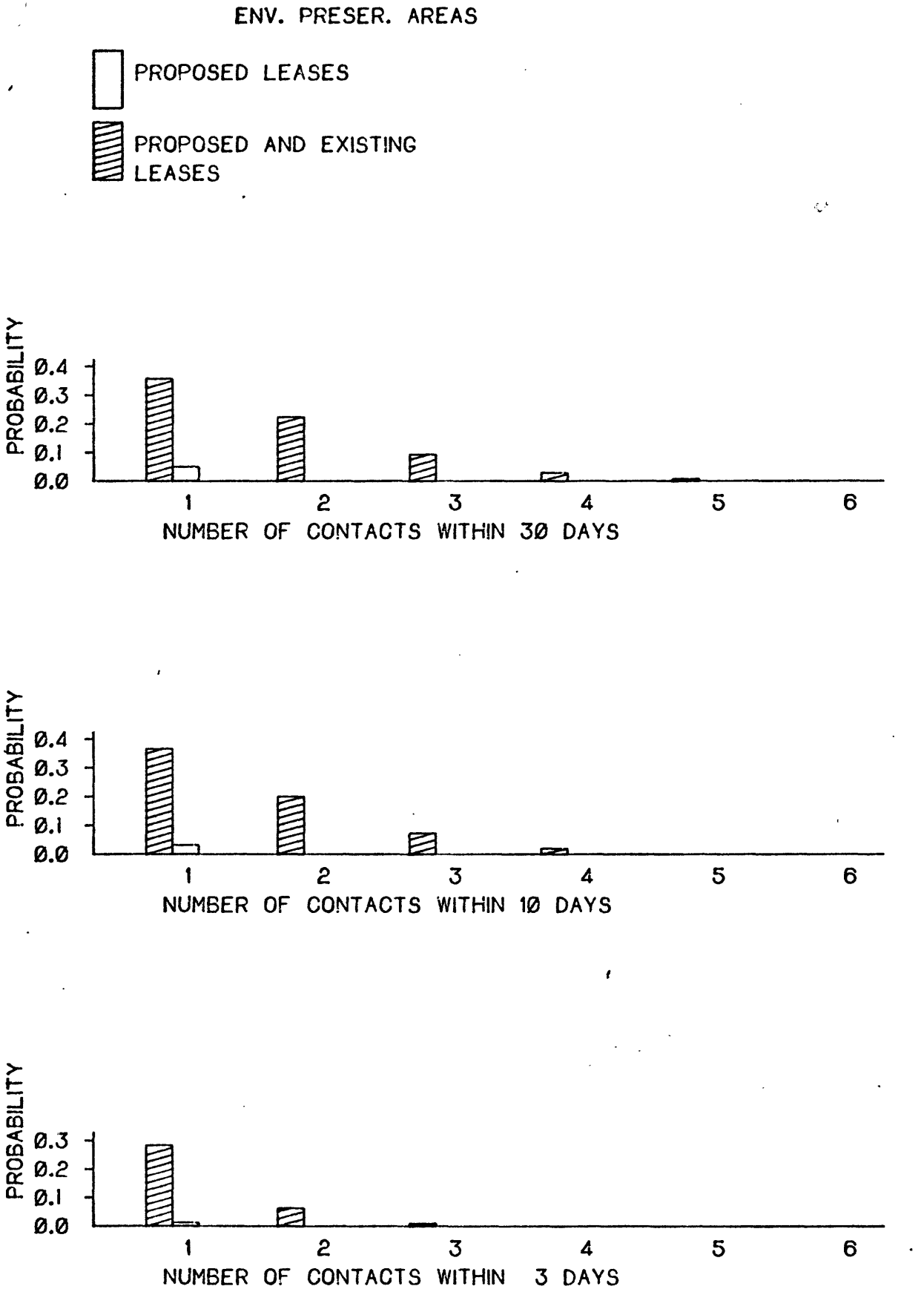

Figure C-4.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting environmental preservation areas as a result of the proposed leasing action and the proposed and existing leases.

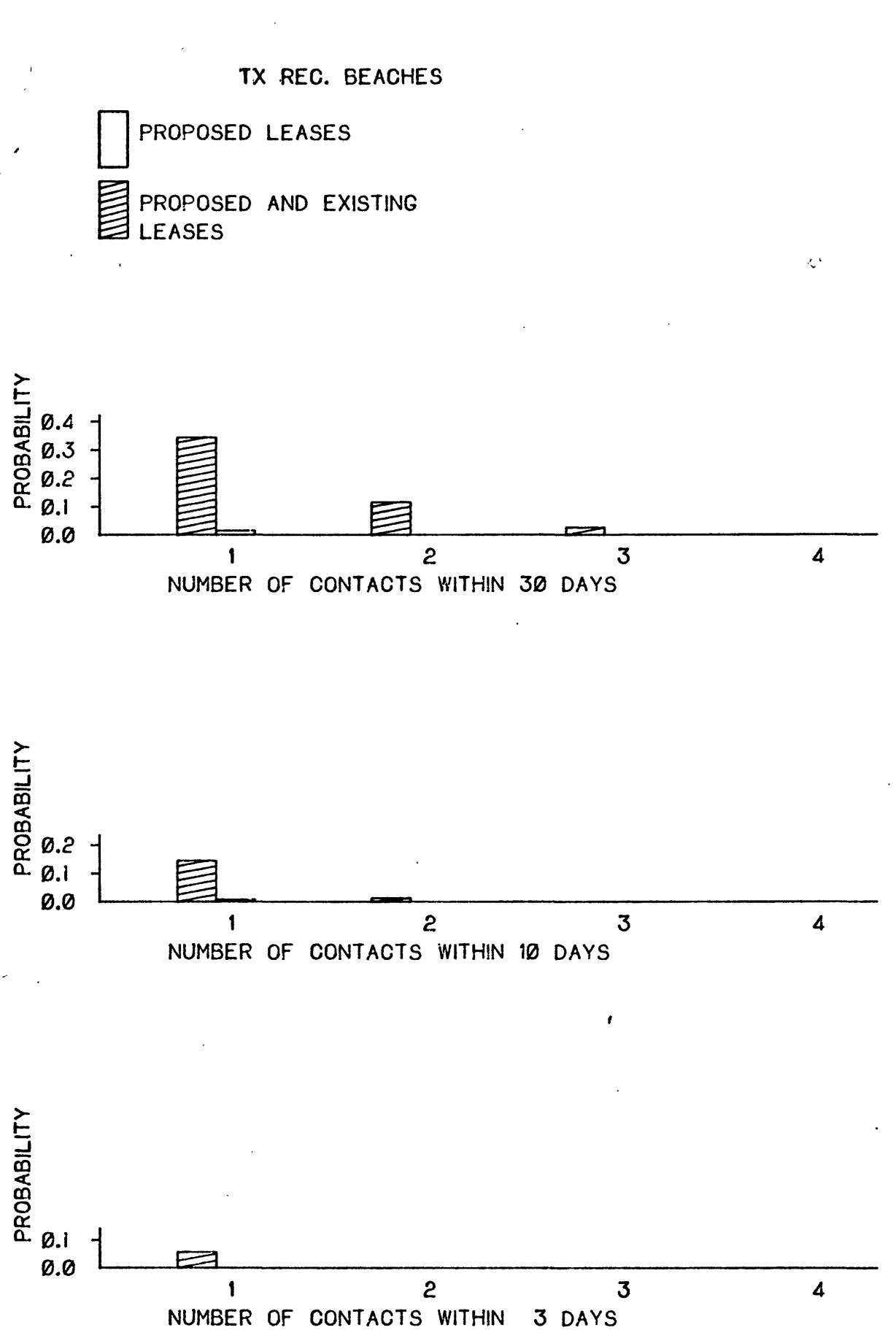

Figure C-5.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting Texas recreational beaches as a result of the proposed leasing action and the proposed and existing leases.

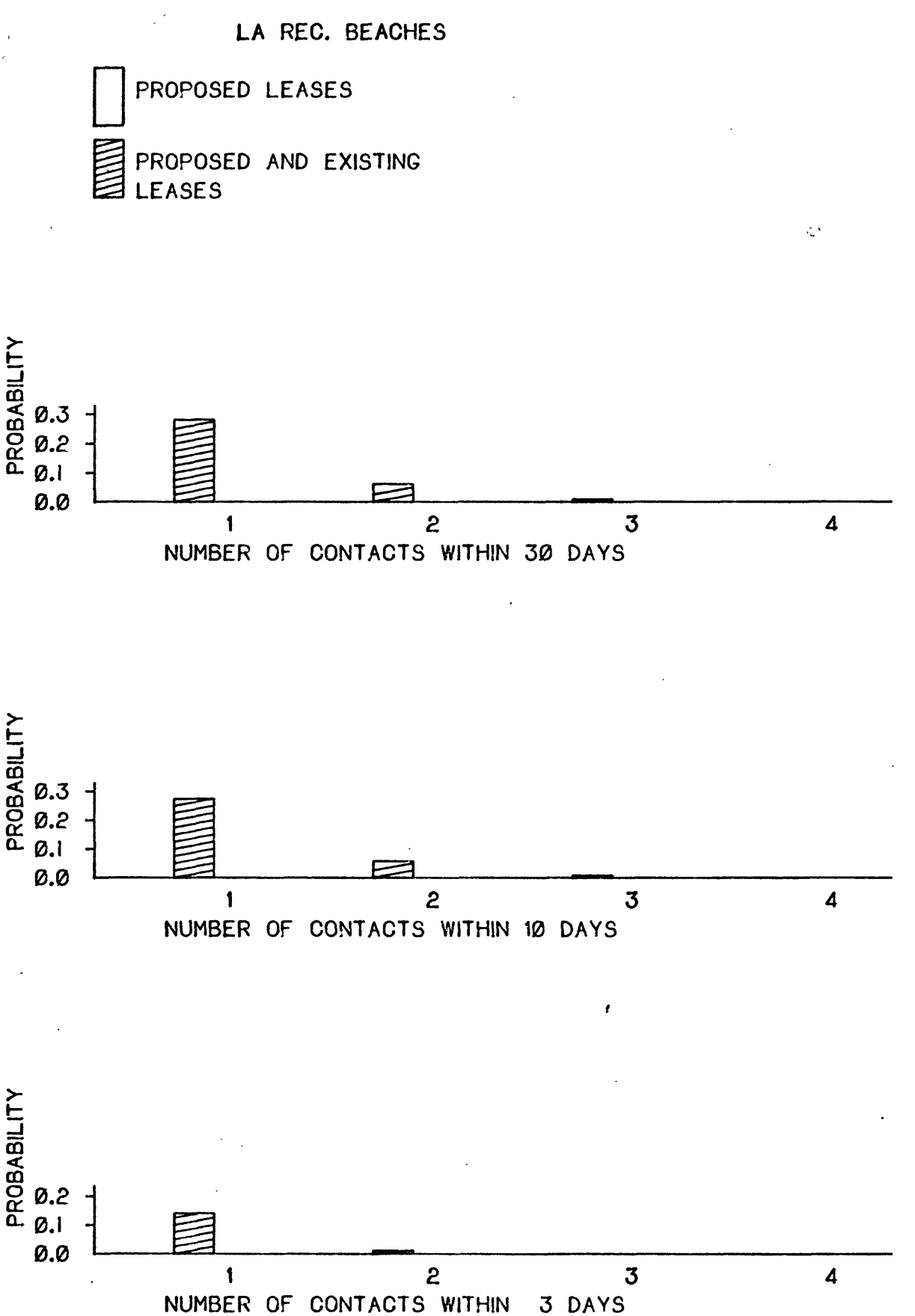

Figure C-6.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting Louisiana recreational beaches as a result of the proposed leasing action and the proposed and existing leases.

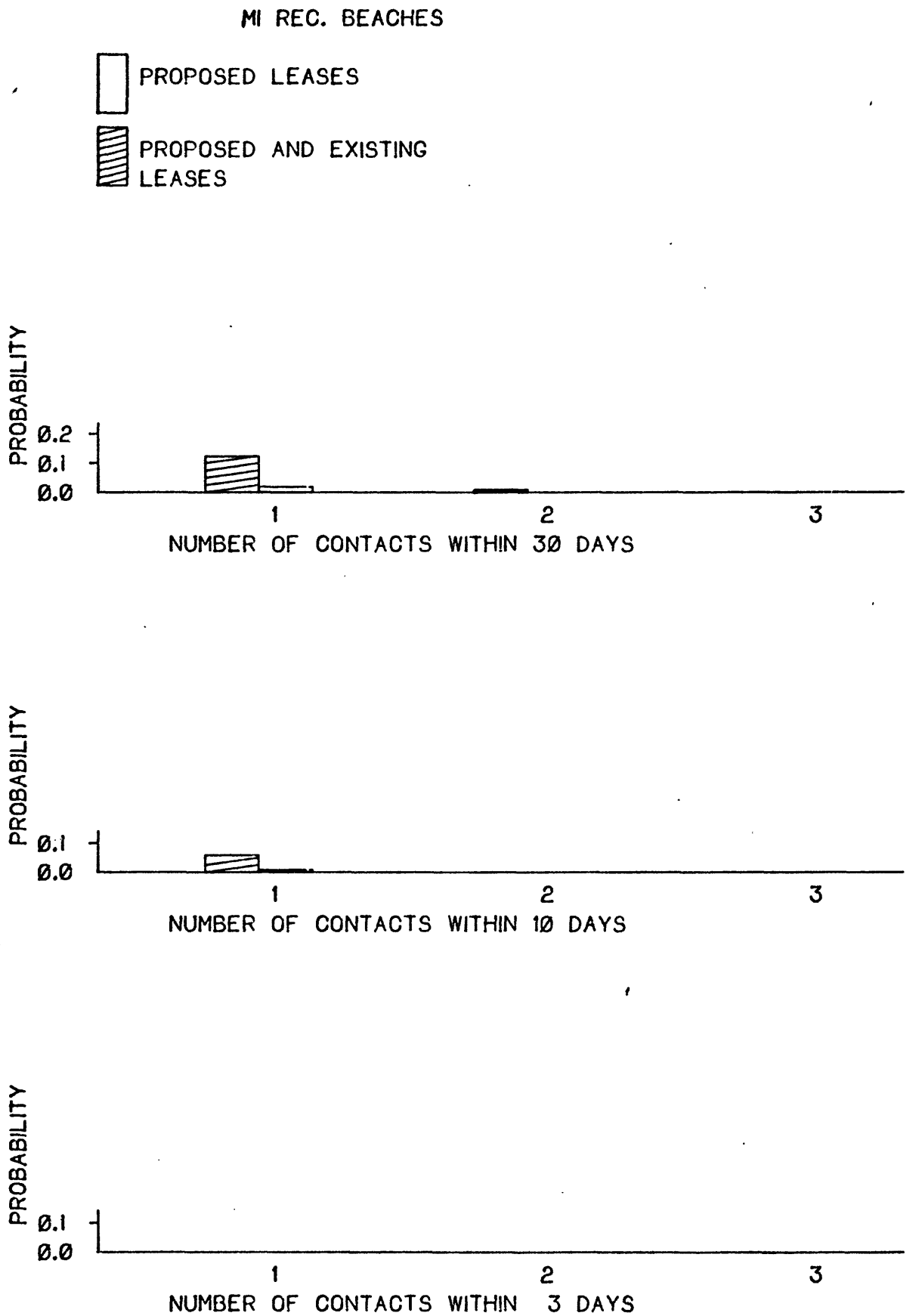

Figure C-7.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting Mississippi recreational beaches as a result of the proposed leasing action and the proposed and existing leases.

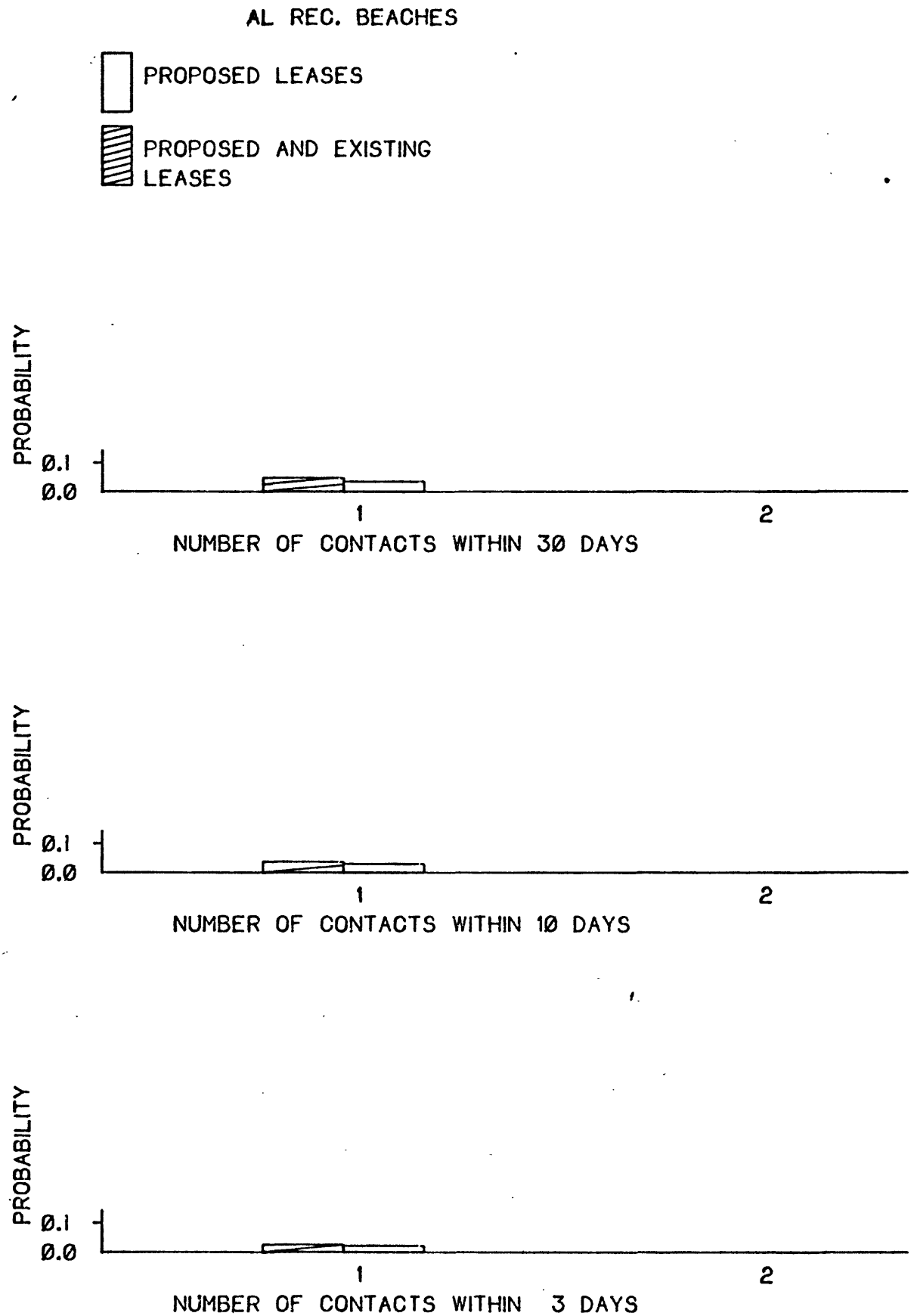

Figure C-8.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting Alabama recreational beaches as a result of the proposed leasing action and the proposed and existing leases.

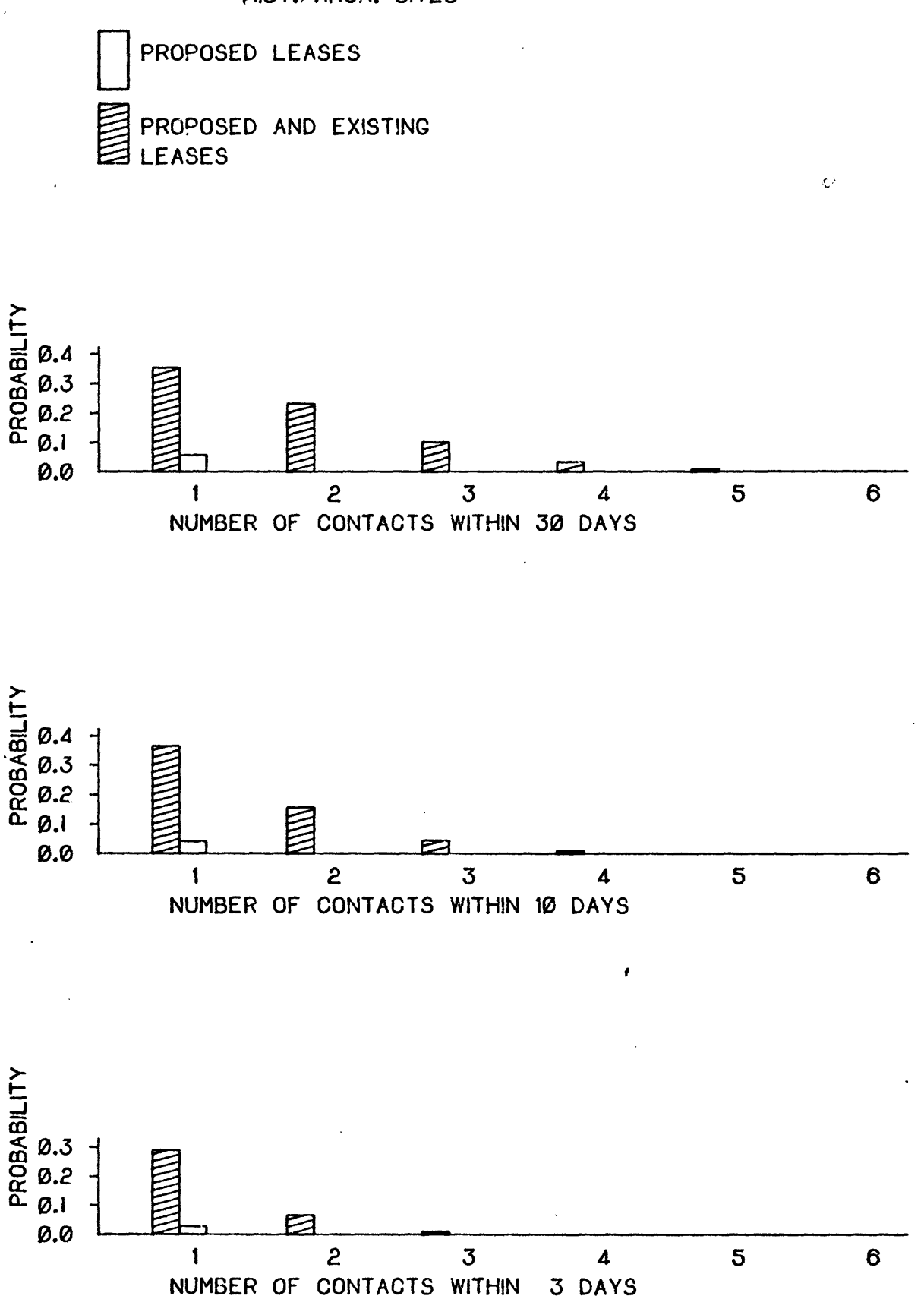

Figure C-9.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting historical/archeological sites as a result of the proposed leasing action and the proposed and existing leases.

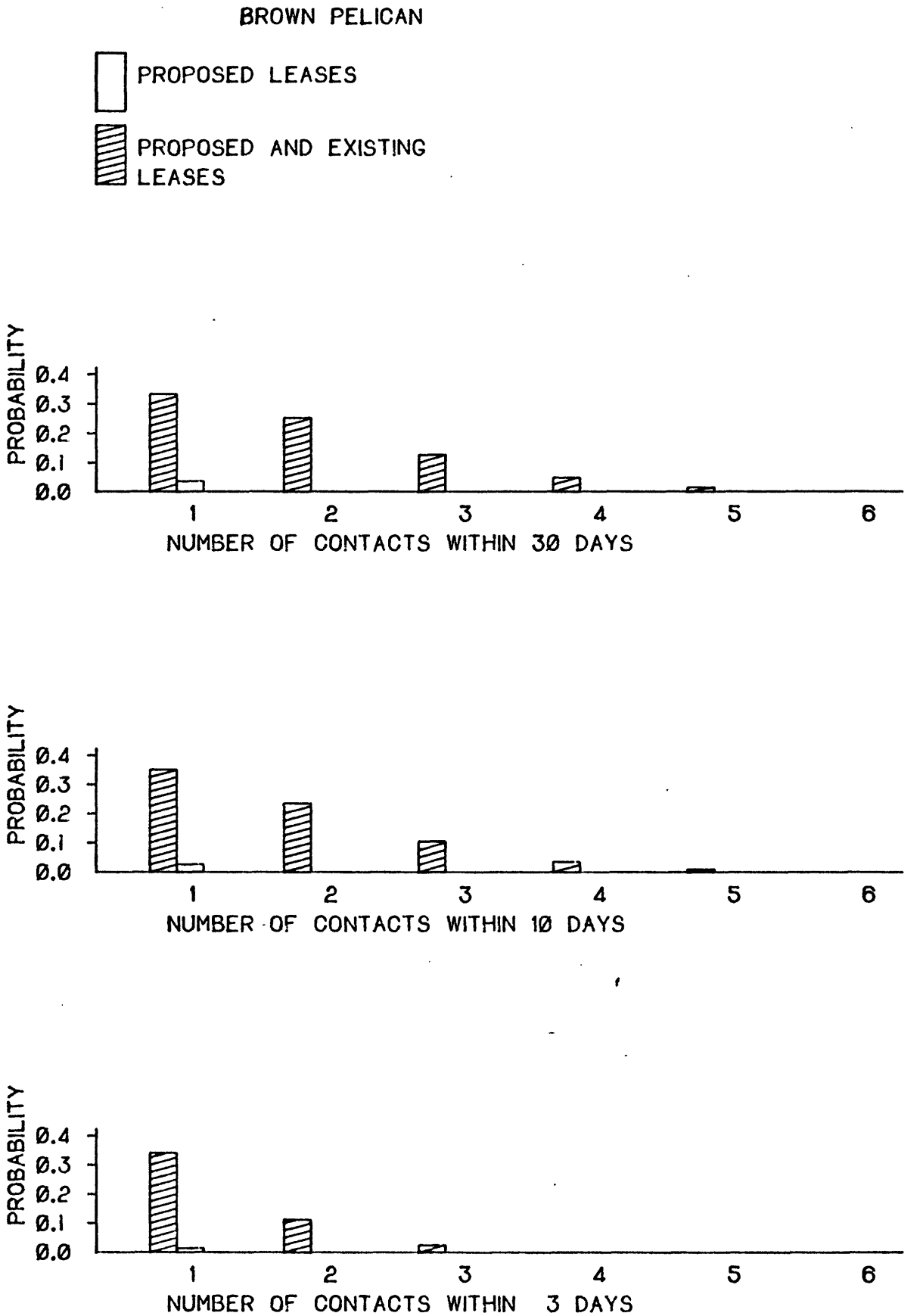

Figure C-10.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting brown pelican rookeries as a result of the proposed leasing action and the proposed and existing leases.

Appendix D

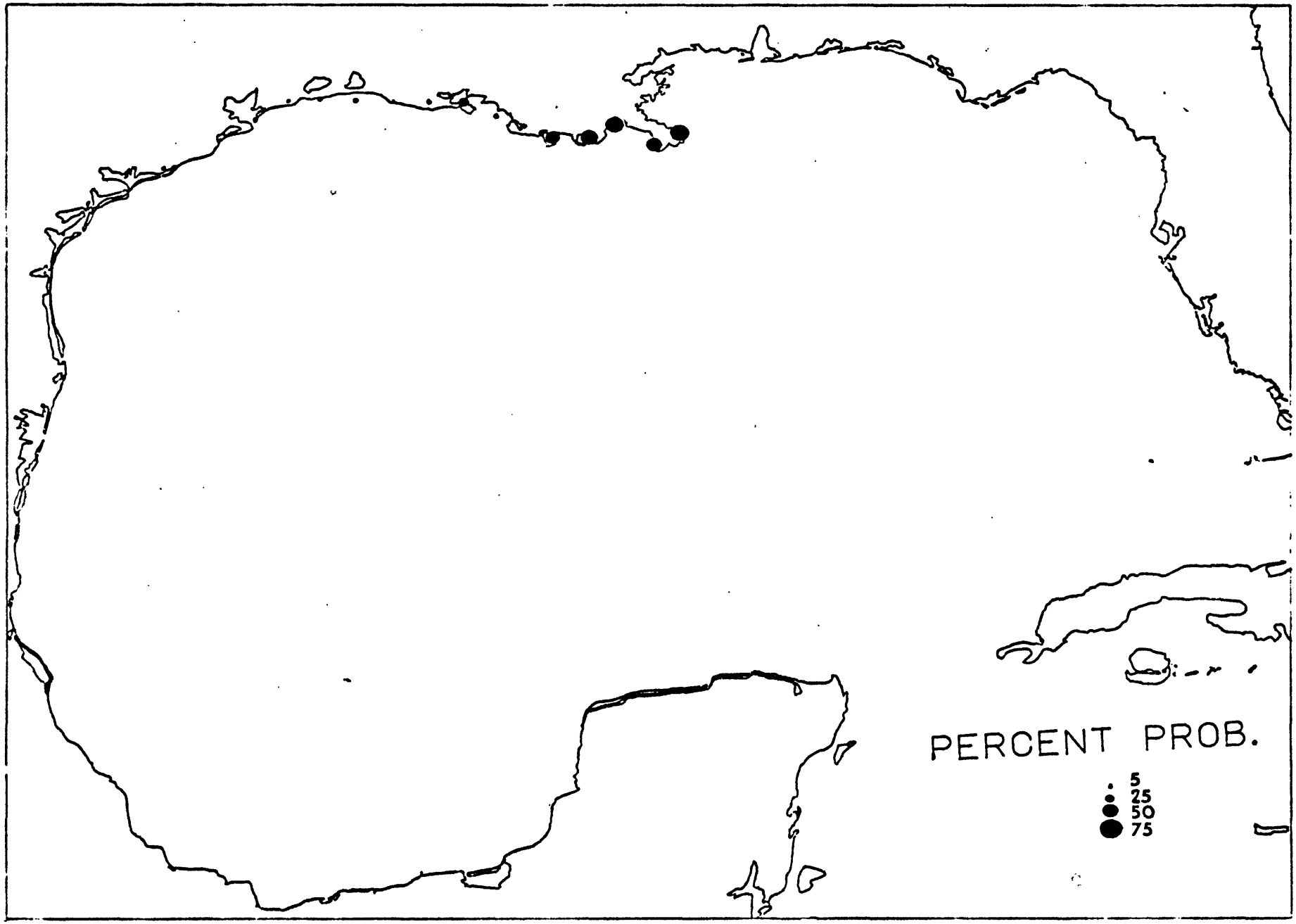

Figure D-1.--Map showing the probability (expressed as percent chance) of one or more spills occurring and contacting sections of the coastline (set 2) within 3 days (proposed and existing leases).

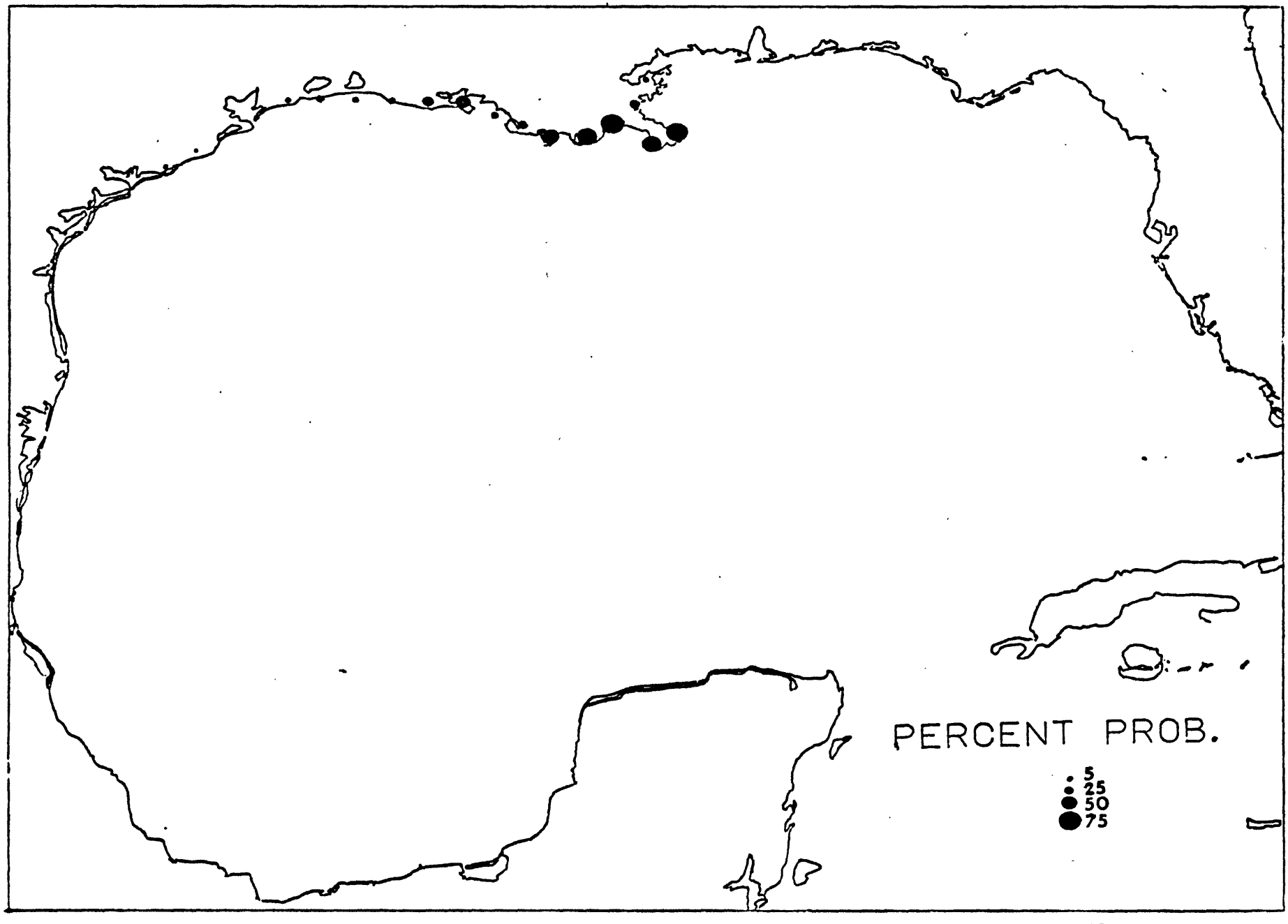

Figure D-2.--Map showing the probability (expressed as percent chance) of one or more spills occurring and contacting sections of the coastline (set 2) within 10 days (proposed and existing leases).

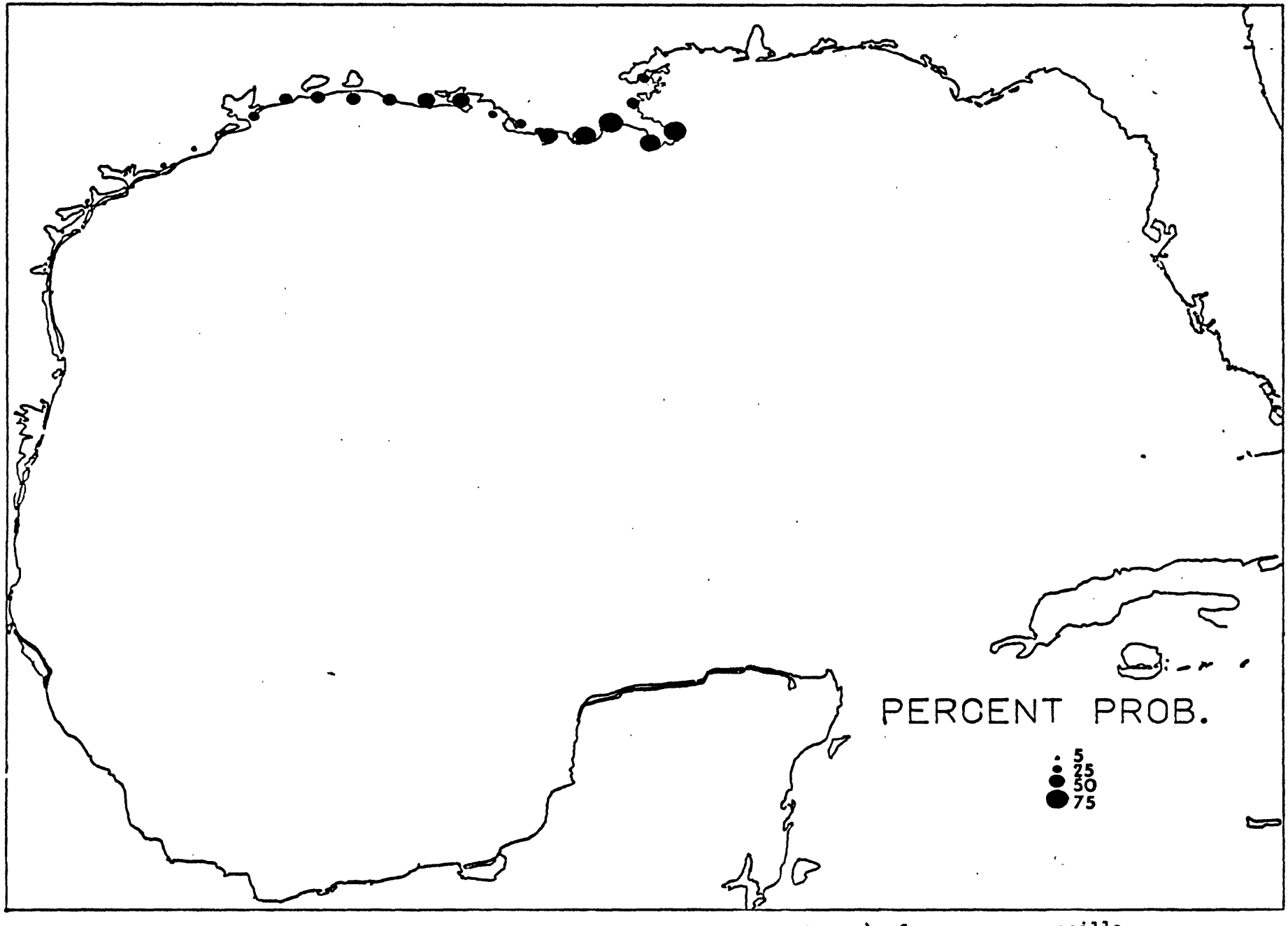

Figure D-3.--Map showing the probability (expressed as percent chance) of one or more spills occurring and contacting sections of the coastline (set 2) within 30 days (proposed and existing leases).

Appendix E

Changes in Oilspill Risks Between 1980 and 1999

Production from existing leases and proposed sales, including Sales 67 and 69, will gradually decline over the remainder of this century, as reserves become depleted. Since oilspill risks have been assumed to be a function of volume handled, the risks are expected to decrease accordingly.

Using estimated rates of production decline for each existing and proposed lease area in the Gulf of Mexico (information supplied by Conservation Division, U. S. Geological Survey), oilspill risks were estimated for the decades 1980-89 and 1990-99. The results are shown in table E-1. The estimated oil volumes corresponding to the two decades are 2.39 and 0.56 billion barrels, respectively.

Next, it was assumed that the 1.83-billion-barrel decline in production during the 1990's would be replaced by imported oil. The new imports were distributed among ports of entry in the same proportion as present imports. The comparison of risks between the two decades, now based upon the same amount of oil, is shown in table E-2.

The implication of the data in table E-2 is that replacing OCS production with imported oil will result in less risk. However, this does not consider the option of increasing leasing to make up the production decline. If many new leases sold are farther offshore than the old leases, oilspill risks to land and land-based targets would, presumably, be less. Since future lease areas have not been defined, this effect cannot be estimated at present.

Table E-1. -- Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting targets during the decades 1980-89 and 1990-99, for OCS leasing through Sale 69.

Target	Within 3 days						Within 10 days						Within 30 days					
	1980 - 1989			1990 - 1999			1980 - 1989			1990 - 1999			1980 - 1989			1990 - 1999		
	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean
Land	96	3	3.3	59	0	0.9	**	5	5.8	78	1	1.5	**	8	8.7	87	2	2.1
Coastal Inlet Areas	3	0	0.0	1	0	0.0	7	0	0.1	2	0	0.0	23	0	0.3	5	0	0.1
Sea Grass Beds	n	0	0.0	n	0	0.0	1	0	0.0	n	0	0.0	1	0	0.0	1	0	0.0
Flower Garden Banks	4	0	0.0	1	0	0.0	7	0	0.1	1	0	0.0	22	0	0.2	4	0	0.0
Env. Preser. Areas	22	0	0.2	9	0	0.1	50	0	0.7	20	0	0.2	55	0	0.8	22	0	0.2
TX Rec. Beaches	4	0	0.0	1	0	0.0	12	0	0.1	3	0	0.0	40	0	0.5	9	0	0.1
LA Rec. Beaches	9	0	0.1	3	0	0.0	21	0	0.2	7	0	0.1	23	0	0.3	8	0	0.1
MI Rec. Beaches	n	0	0.0	n	0	0.0	4	0	0.0	1	0	0.0	9	0	0.1	3	0	0.0
AL Rec. Beaches	2	0	0.0	1	0	0.0	2	0	0.0	1	0	0.0	3	0	0.0	1	0	0.0
FL Rec. Beaches	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Hist./Arch. Sites	27	0	0.3	6	0	0.1	44	0	0.6	13	0	0.1	60	0	0.9	18	0	0.2
Brown Pelican	32	0	0.4	12	0	0.1	56	0	0.8	22	0	0.3	61	0	1.0	24	0	0.3
MI Sandhill Crane	n	0	0.0	n	0	0.0	1	0	0.0	n	0	0.0	2	0	0.0	1	0	0.0
Whooping Crane	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	1	0	0.0	n	0	0.0
Sea Turtle	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Manatee	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Dry Tortugas	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Key West	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Straits of Florida	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Yucatan trait	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0

Note n = less than 0.5 percent; ** = greater than 99.5 percent.

Table E-2. -- Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting targets during the decades 1980-89 and 1990-99, with decreases in OCS production replaced by imported oil.

Target	Within 3 days						Within 10 days						Within 30 days					
	1980 - 1989			1990 - 1999			1980 - 1989			1990 - 1999			1980 - 1989			1990 - 1999		
	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean
Land	96	3	3.3	65	1	1.1	**	5	5.8	86	1	2.0	**	8	8.7	98	3	3.8
Coastal Inlet Areas	3	0	0.0	4	0	0.0	7	0	0.1	6	0	0.1	23	0	0.3	16	0	0.2
Sea Grass Beds	n	0	0.0	n	0	0.0	1	0	0.0	n	0	0.0	1	0	0.0	1	0	0.0
Flower Garden Banks	4	0	0.0	2	0	0.0	7	0	0.1	6	0	0.1	22	0	0.2	14	0	0.2
Env. Preser. Areas	22	0	0.2	13	0	0.1	50	0	0.7	25	0	0.3	55	0	0.8	30	0	0.4
TX Rec. Beaches	4	0	0.0	5	0	0.1	12	0	0.1	11	0	0.1	40	0	0.5	27	0	0.3
LA Rec. Beaches	9	0	0.1	3	0	0.0	21	0	0.2	8	0	0.1	23	0	0.3	12	0	0.1
MI Rec. Beaches	n	0	0.0	1	0	0.0	4	0	0.0	3	0	0.0	9	0	0.1	5	0	0.0
AL Rec. Beaches	2	0	0.0	1	0	0.0	2	0	0.0	1	0	0.0	3	0	0.0	1	0	0.0
FL Rec. Beaches	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Hist./Arch. Sites	27	0	0.3	9	0	0.1	44	0	0.6	20	0	0.2	60	0	0.9	41	0	0.5
Brown Pelican	32	0	0.4	14	0	0.2	56	0	0.8	27	0	0.3	61	0	1.0	37	0	0.5
MI Sandhill Crane	n	0	0.0	n	0	0.0	1	0	0.0	1	0	0.0	2	0	0.0	2	0	0.0
Whooping Crane	n	0	0.0	n	0	0.0	n	0	0.0	1	0	0.0	1	0	0.0	1	0	0.0
Sea Turtle	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Manatee	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Dry Tortugas	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Key West	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Straits of Florida	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Yucatan trait	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0

Note n = less than 0.5 percent; ** = greater than 99.5 percent.

Appendix F

Ixtoc I Conditional Probabilities

On June 3, 1979, the Petroleos Mexicanos Ixtoc I well blew out in the Bahia de Campeche. Approximately 140 million gallons of oil were lost before the well was capped on March 23, 1980 (Oil Spill Intelligence Report, 1980). Spilled oil from the Ixtoc I site entered U.S. territorial waters in early August, 1979, and tar balls began washing onto Padre Island beaches north of Port Mansfield, Texas, on August 6, 1979.

The duration of the Ixtoc I spill generated almost 10 months of data on wind- and current-driven oil slick movement. A spill continuing for as long as the Ixtoc I spill will begin to distribute oil in a climatological manner. That is, the duration of the event acts as a large number of independent spills, whose distribution can be predicted by a climatological model.

Five hundred hypothetical oilspill trajectories were simulated in Monte-Carlo fashion for each of the four seasons from the site of the Ixtoc I oilspill (see IX launch site, fig. 3). Surface transport of the slick was simulated with the same ocean current and wind data used previously in the analysis for Sales 67 and 69. Considering the observed persistence of oil from the Ixtoc I spill, however, simulated spill movements were allowed to continue up to 90 days.

Tables F-1 and F-2 show the conditional probabilities of oil contacting targets and land segments (set 2) within 90 days, given the spill occurrence. The data show a 1 percent chance of contact to Texas recreational beaches and to sea turtle nesting beaches within 90 days. All other simulated contacts occurred along the Mexican coast. Of the simulated contacts to Texas recreational beaches, 75 percent occurred in summer (June-August), while 25 percent occurred in spring (March-May). Thus, for summer, the months of heaviest oil spillage, the model predicted that about 3 percent of the oil would reach Texas, and that this probability would decrease in the winter months. Such a prediction appears consistent with observations.

Figures F-1 to F-3 depict the conditional probabilities of contact to the coastline for 30, 60, and 90 days, respectively.

The results of this simulation may be used as a source of further study of the Ixtoc I spill.

Table F-1. --Probabilities (expressed as percent chance) that an oilspill starting at the Ixtoc I site will contact a certain target within a specified number of days.

TARGET	3 DAYS	10 DAYS	30 DAYS	60 DAYS	90 DAYS
Land	n	5	9	69	97
Coastal Inlet Areas	n	n	n	n	n
Sea Grass Beds	n	n	n	n	n
Flower Garden	n	n	n	n	n
Env. Preser. Areas	n	n	n	n	n
TX Rec. Beaches	n	n	n	n	1
LA Rec. Beaches	n	n	n	n	n
MI Rec. Beaches	n	n	n	n	n
AL Rec. Beaches	n	n	n	n	n
FL Rec. Beaches	n	n	n	n	n
Hist./Arch. Sites	n	n	n	n	n
Brown Pelican	n	n	n	n	n
MI Sandhill Crane	n	n	n	n	n
Whooping Crane	n	n	n	n	n
Sea Turtle	n	n	n	n	1
Manatee	n	n	n	n	n
Dry Tortugas	n	n	n	n	n
Key West	n	n	n	n	n
Straits of Florida	n	n	n	n	n
Yucatan Strait	n	n	n	n	n

Note: ** = Greater than 99.5 percent; n = less than 0.5 percent

Table F-2. --Probabilities (expressed as percent chance) that an oilspill starting at the Ixtoc I site will contact a certain land segment (set 2) within a specified number of days.

LAND SEGMENT	3 DAYS	10 DAYS	30 DAYS	60 DAYS	90 DAYS
1					1
76		1	1	1	1
77		3	4	4	4
78			2	2	2
79			1	2	2
80				2	2
81				4	5
82				7	10
83				8	12
84				11	16
85				13	18
86				9	12
87				5	8

Note: ** = Greater than 99.5 percent; n = less than 0.5 percent.
Rows with all values less than 0.5 percent are not shown.

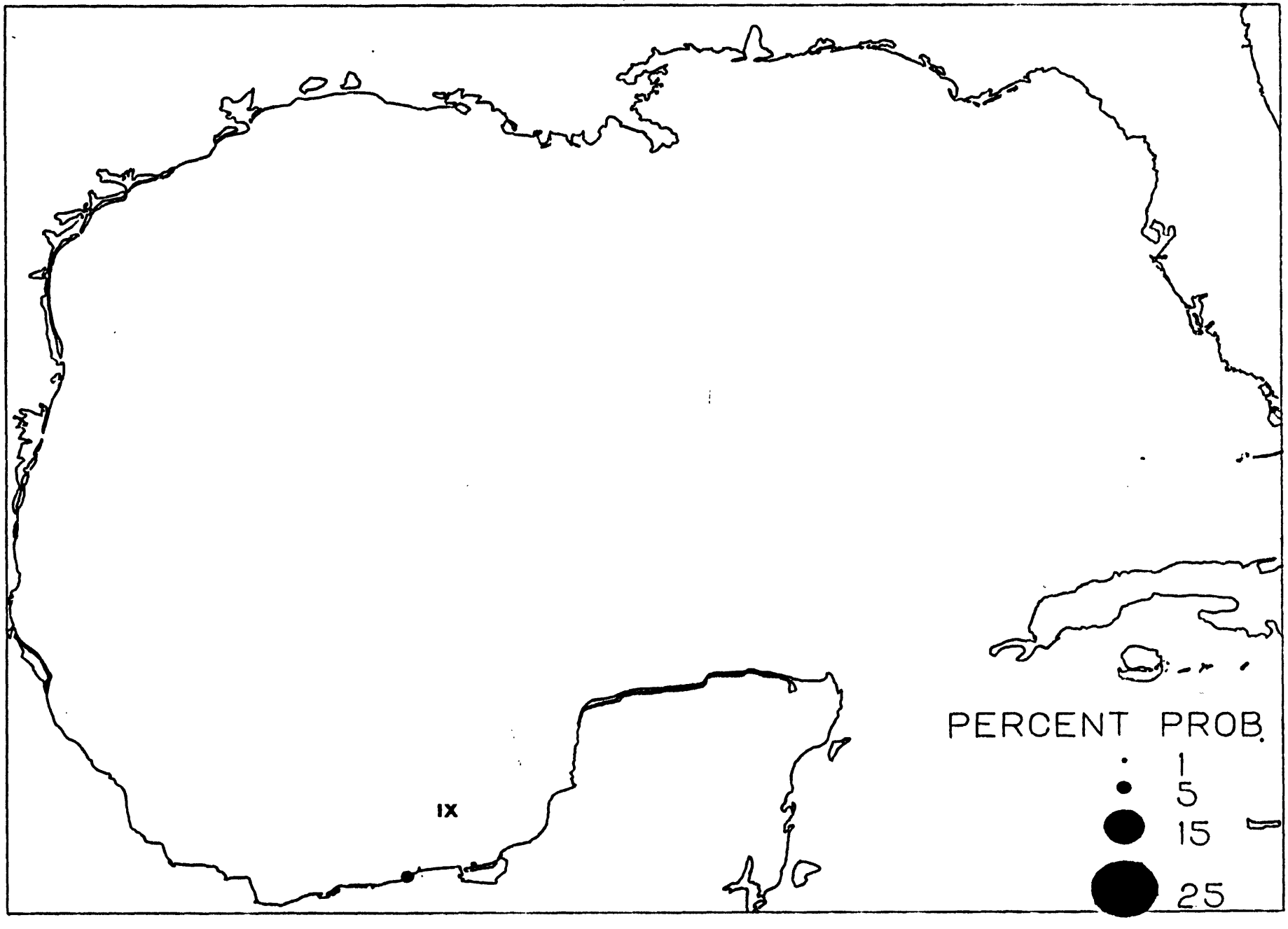

Figure F-1.--Map showing the probabilities (percent chance) that an oilspill starting at the Ixtoc I site will contact sections of the coastline within 30 days.

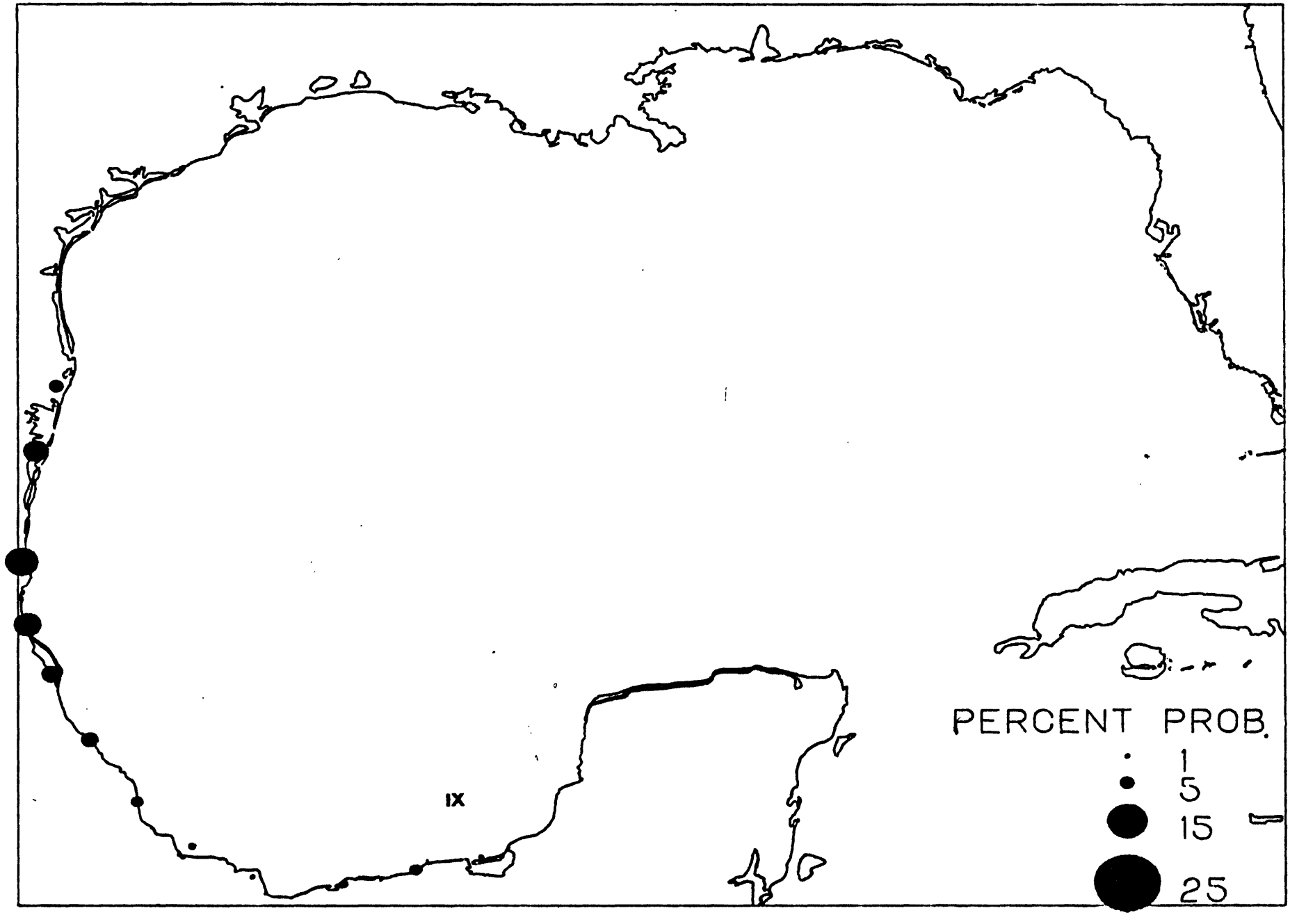

Figure F-2.--Map showing the probabilities (percent chance) that an oilspill starting at the Ixtoc I site will contact sections of the coastline within 60 days.

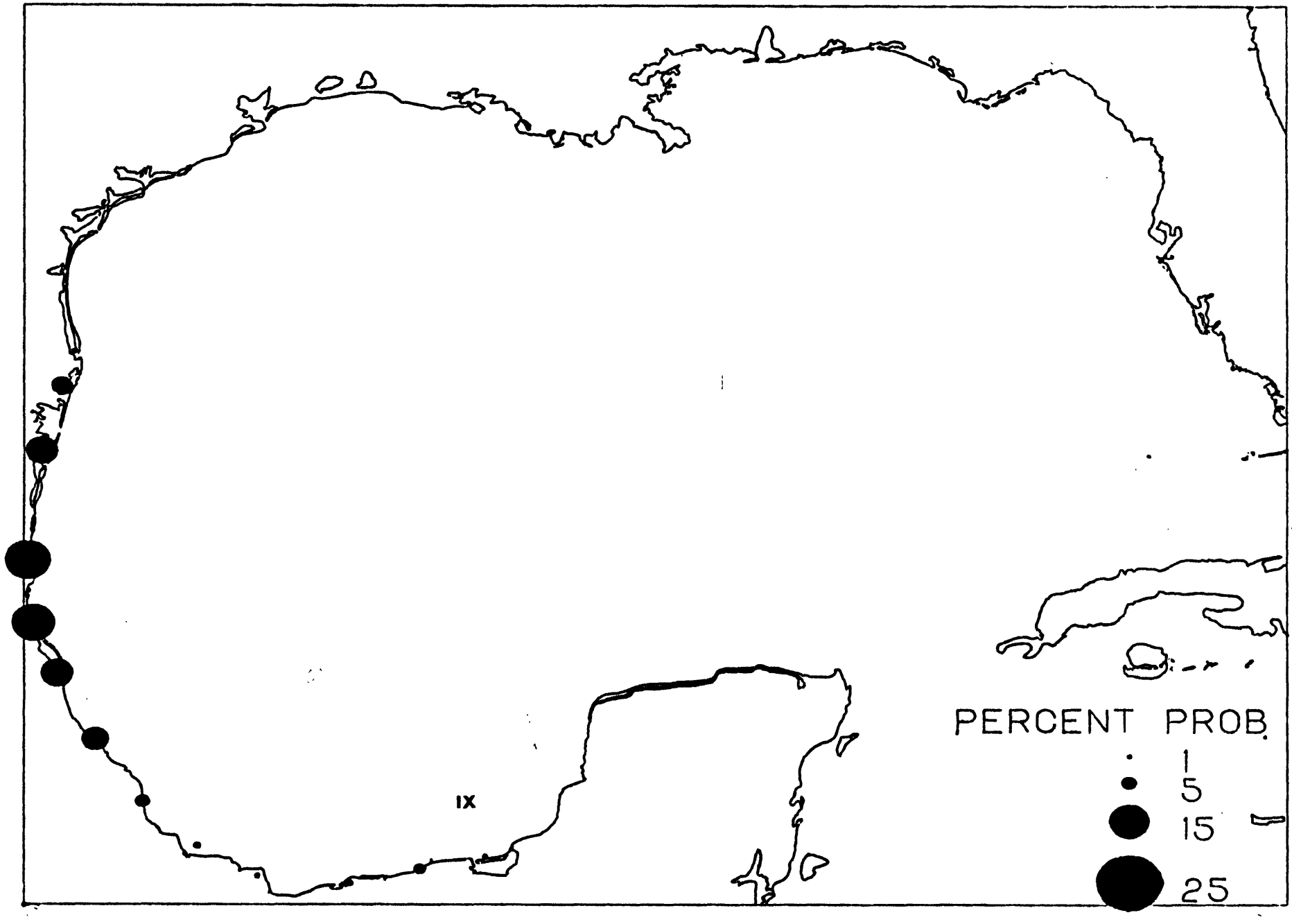

Figure F-3.--Map showing the probabilities (percent chance) that an oilspill starting at the Ixtoc I site will contact sections of the coastline within 90 days.