UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE

AN OILSPILL RISK ANALYSIS FOR THE NORTH ATLANTIC (FEBRUARY 1984) LEASE OFFERING

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Contents

Introduction

The Federal Government has proposed to offer Outer Continental Shelf (OCS) lands off the Northeastern coast for oil and gas leasing. This report examines what could happen if leases are issued and oil is found, and attempts to compare relative risks of the proposed leasing with risks of existing leases and transportation of imported oil in the study area.

Oilspills are a major concern associated with 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 occurrence and give speed and direction to the oil slick. Although some of the uncertainty reflects incomplete and imperfect data, considerable uncertainty is simply inherent in the problem of describing future events over which complete control cannot be exercised. Since it cannot be predicted with certainty that a probabilistic event such as an oilspill will occur, only the likelihood of occurrence can be quantified. The range of possible effects that may accompany a decision related to oil and gas production must be considered. In attempting to maintain perspective on the problem, one must associate each potential effect with a quantitative estimate of its probability of occurrence.

This report summarizes results of an oilspill-risk analysis conducted for the proposed North Atlantic Lease Offering (February 1984). 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 Statement (EIS), which is prepared for the area by the Minerals Management Service (MMS), formerly 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; Lanfear and Samuels, 1981; Smith and others, 1982). 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 dealt with the trajectories of oilspills from potential launch sites 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.

Summary of the Proposed Action

The proposed action is to offer for lease 4306 tracts on the Outer Continental Shelf off the Northeastern coast. The study area for this analysis includes all of these tracts and extends from latitude 35° N. to 44° N., and from longitude 64° W. to 76° W. (figure 1). The study area also includes existing leases in the North Atlantic and Mid-Atlantic Regions.

For purposes of this analysis, the leasing area was divided into the 45 proposed leasing sites shown numbered in figure 2. The 28 existing lease tract groups in the study area are shown in figure 3. This analysis also considers oil spills associated with Mid-Atlantic Lease Sale No. 76 held in April, 1983). The Sale 76 leasing area is shown in figure 4.

If oil is discovered and the area is developed for production, there are a number of ways in which oil may be transported to shore. Proposed and existing transportation routes are shown in figure 5. The following hypothetical transportation scheme is proposed for the purpose of impact assessment:

The oil from the proposed lease tracts will be tankered to shore to Raritan Bay and Delaware Bay. The relative volumes of oil being tankered to Raritan and Delaware Bays are dependent upon the volume produced (see Estimated Quantity of Oil Resources). In the mean volume case, 65% will go to Raritan Bay and 35% will go to Delaware Bay. In the high volume case, 50% will go to each of the Bays. Oil produced from existing leases in the North Atlantic (E19-E28) will be tankered to Raritan and Delaware Bays. Oil produced from existing Mid-Atlantic leases (E1-E18) will be brought by pipeline to Atlantic City. One third of the oil produced from leases offered in Sale 76 will be brought by pipeline to Atlantic City; the remaining two thirds will be tankered to Delaware Bay.

This analysis considers three alternative configurations of the proposal: (1) delete tracts within 50 miles of the shoreline (remove areas P1-P2); (2) delete tracts over Georges Bank in water depths less than 60 meters (remove areas P4-P7) and (3) delete tracts associated with submarine canyons (remove P8-P19). In addition, a request by the State of New York has been considered (remove P1 and P3), although it is not one of the alternatives to the proposed action discussed in the EIS.

Environmental Resources

The locations of 31 categories of environmental 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. Targets were selected by MMS analysts in the Atlantic Regional OCS office, who are preparing the EIS. Maps showing the digitized targets are shown in appendix A, figures A-1 to A-19. 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 in the area. All targets considered in this analysis are listed below, along with their

periods of potential vulnerability.

Coastal Waterbird Colonies (March - November)
Sea Duck Wintering Areas (October - April)
Osprey Nesting Areas (March - July)
Bald Eagle Nesting Areas (January - June)
Peregrine Falcon Nesting Areas (March - July)
Grey Seal Rookeries (year round)
Harbor Sea Rookeries (year round)
Georges Bank Crest (year round)
Peregrine Falcon Migratory Stopover Areas (February - March and September - November)
Loggerhead Turtle Nesting Areas (June - August)
State Marine Sanctuaries (year round)
Oyster Grounds (year round)
Blue Crab Grounds (year round)
Major Right Whale Feeding Grounds (April - June)
Inshore Lobster Grounds (year round)
Coastal Marshes (year round)
National Wildlife Refuges (year round)
State Wildlife and Natural Areas (year round)
Nongovernment Wildlife Areas (year round)
Gulf Stream Boundary Segments (1-4) (year round)
Nantucket Shoals Fish Spawning Area (year round)
Stellwagon Bank Fish Spawning Area (year round)
SE. Georges Bank Fish Spawning Area (April - July)
Major Humpback and Fin Whale Feeding Grounds (year round)
Hard Clam Grounds (year round)
Soft Clam Grounds (year round)

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 with a shoreline target, withdraws and continues on its way.

To provide a more detailed analysis of oil spill contacts to land or land-based targets, the model includes a feature that allows subdividing the coastline into segments. For this analysis the shoreline was divided into two sets of segments. The first set consists of segments (Figure 6) that are of approximately equal length; the second consists set of segments (Figure 7) that divide the shoreline by county boundaries. In some instances counties have been separated into two segments. For example, Washington County, Rhode Island contains Block Island; thus the mainland portion of the county is represented by land segment 20 (set 2), while Block Island is represented by land segment 30 (set 2). Nova Scotia has been divided arbitrarily into four separate segments (set 2). Conditional probabilities for contacting various land segments may be combined (see Oilspill Trajectory Simulation).

Estimated Quantity of Oil Resources

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 MMS in preparing the draft EIS for the lease sale. If oil is present in the proposed area, a conditional mean resource of 0.208 billion barrels is estimated (Truesdell, 1983). This volume is an estimate of the total undiscovered recoverable oil, given that hydrocarbons are indeed present, and excluding state waters, previously leased tracts (from Sale 42), and other areas excluded from the proposed call area. The high volume case, included in this analysis, considers an estimated 0.301 billion barrels of oil.

We cannot overemphasize that these estimates are based on the assumption that oil is present. If it is not present (then, obviously), no oilspill risks exist from the proposed lease offering. The remainder of this analysis is designed to answer the question, "What are the risks <u>if oil is found</u>?"

In addition to the crude oil estimated to be produced over the approximate 30-year expected life of the proposed leases, MMS estimates that 48.378 billion barrels of crude oil will be imported into the region by tankers from outside sources (including 0.228 billion barrels from the South Atlantic Lease Offering held in July, 1983).

Probability of Oilspills Occurring

The probability of oilspills occurring (given that oil is present) is based on the assumption that spills occur independently of each other as a Poisson process and with a rate derived from past OCS experience and dependent upon the volume of oil produced and transported. All types of accidental spills of 1,000 barrels or larger were considered in this analysis, including not only well blowouts, but also other accidents on platforms and transportation of oil to shore. These types of accidents were classified as either platform, pipeline, or tanker spills. By including all of these risks, the risks of the proposed OCS leasing can be compared to those of other oil spill sources.

Lanfear and Amstutz (1983) examined oilspill occurrence rates applicable to the U.S. OCS. Basing their results upon new, more recent, and more complete data bases than were available for earlier OSTA models, they

recommended updated spill rates for pipeline spills and some significant changes in the spill rates for platforms and tankers. This analysis uses the new spill rates for all accident categories.

Spill rates for OCS platforms are based on the record for the U.S. OCS (Gulf of Mexico, and California) from 1964 through 1980, in which 5 spills of 10,000 barrels or larger are noted, along with 7 spills of 1,000 to 10,000 barrels in size. Nakassis (1982) conducted a statistical analysis of the record, 1964-1979, and concluded that the platform spill rate did not remain constant since 1964, but had decreased significantly. Using this trend analysis and updating for the 1980 data, the spill rate for platform spills of 1,000 barrels or larger is 1.0 spills per billion barrels produced; and the spill rate for platform spills of 10,000 barrels or larger is 0.44 spills per billion barrels produced. The rate for spills 1,000 to 10,000 barrels in size can be found by subtraction, (0.56 spills per billion barrels produced).

As with platform spills, the spill rate for pipelines is based on the record for the U.S. OCS from 1964 through 1980. Two spills of 10,000 barrels or larger are in the data base, along with 6 spills of 1,000 to 10,000 barrels in size. No trend in the pipeline spill rate is evident. The spill rate for pipeline spills of 1,000 barrels or larger is 1.6 spills per billion barrels transported, and the rate for spills of 10,000 barrels or larger is 0.67 spills per billion barrels transported (based on a lognormal distribution of spill size).

For tanker spill rates, previous OSTA models for the North Atlantic (Smith and others, 1976, LaBelle, 1981) used data for years prior to 1973. Using a new data base (The Futures Group, and World Information Systems, 1982) covering the years 1974 through 1980, Lanfear and Amstutz (1983) concluded that the tanker spill rate (expressed as spills per billion barrels transported) since 1974 was only about a third of that found prior to 1973. Thus, this oilspill analysis uses a significantly lower tanker spill rate than the earlier models. From 1974 through 1980, the data base contains records of 57 tanker spills of crude oil of 10,000 barrels or larger and another 57 spills of 1,000 to 10,000 barrels. During this period, approximately 88 billion barrels of oil were transported. Therefore, the spill rate for tanker spills of 1,000 barrels or larger is 1.3 spills per billion barrels transported; and the rate for spills of 10,000 barrels or larger is 0.65 spills per billion barrels transported.

In summary, the spill rates, expressed as number of spills per billion barrels produced or transported, used in this report are:

	$\geq$1,000 bbl	$\geq$10,000 bbl	1,000-10,000 bbl
Platforms	1.0	0.44	0.56
Pipelines	1.6	0.67	0.93
Tankers	1.3	0.65	0.65
At Sea	0.9	0.50	0.40
In Port	0.4	0.15	0.25

Oilspill occurrence estimates for spills greater than 1,000 barrels and and greater than 10,000 barrels (Table 1) were calculated for production and transportation of oil over the 30-year expected production life of the proposed leases. Similar estimates were also calculated for production and transportation of oil from existing leases and for transportation of oil imported from other areas by tanker. The assumption was made that only one-half of the spills from tanker transportation of imported oil would occur within the study area and that the other half of the spills would occur outside the study area. Table 1 shows the "expected number" (or mean number) of spills estimated to occur in the study area over the expected production life of the lease area. Table 1 also shows the probability of one or more spills occurring. In this report the "at sea" tanker spill rate (noted above) has been used in all computations. Thus this oilspill risk analysis treats those tanker related spills which might occur within the oceanic portion of the study area only. Tanker spills "in port" include all of those which might occur within bays, estuaries, harbors and at pier sites. The expected number of spills and probabilities of one or more spills from tankers "in port" are:

Source	Expected Number ≥1,000 bbls	Expected Number ≥10,000 bbls	Probability of one or more ≥1,000	Probability of one or more ≥10,000
Imports	9.68	3.63	>.995	.97
Proposal, Mean Case	.04	.02	.04	.02
Proposal, High Case	.06	.02	.06	.02

Oilspills (≥1,000 bbls) are considered to be governed by a Poisson process (Smith, and others, 1982, Lanfear and Amstutz, 1983); thus the probability of a specific number of spills (p(n)) occurring is described by the Poisson distribution:

$$p(n) = e^{-\lambda}\lambda^{n}/n!,$$

where n is the specific number of spills (0, 1, 2, ..., n), e is the base of the natural logarithms and λ is the parameter of the Poisson distribution. The parameter of the Poisson distribution is equal to both the mean and the variance of the distribution. The mean of the distribution is more formally defined as the mathematical expectation or expected value; the latter deriving its name from games of chance (Hogg and Craig, 1965). In the case of oil spills the Poisson parameter is equal to the product of the spill rate and the volume of oil to be produced or transported. The spill rate has dimensions of number of spills per billion barrels and the volume is expressed in billion barrels. The dimensions of are number of spills. Therefore, λ denotes the expected (or mean) number of spills.

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 that can be described in statistical terms. Representations of the monthly surface water velocity fields were provided by Dynalysis, Inc., Princeton, N.J. using their characteristic tracing model (Kantha, 1981). Basically, the characteristic tracing model utilizes the geostrophic approximation to the governing equations of fluid motion in rotating coordinates. Their model provided data from the southern boundary of the study area as far north as 41.5° N. latitude, and as far east as 69.5° W. longitude. Surface current fields based upon the geostrophic assumptions for the remainder of the study area were provided by Godshall (1983).

Short-term patterns in wind variability were characterized by seasonal probability matrices for successive 6-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. The elements of this matrix are the probabilities, expressed as percent chance, that a particular wind velocity will be succeeded by another wind velocity in the next time step in a given season. If the present state of the wind is given, then the next wind state is derived by random sampling according to the percentages given in the appropriate row of the matrix. Seasonal wind transition matrices were calculated from the U.S. Weather Service records from environmental buoy number 44002 (located at latitude 40.1° N., longitude 73° W); Nantucket Shoals weather tower (station number 14658); Barnegat Light Ship (station number 0506); Westhampton Beach, New York (Station number 14719); and Floyd Bennett, New York (station number 14786). 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 each of the 45 proposed leasing areas shown in figure 2 (P1-P45); from each of the 28 existing lease tract groups shown in figure 3 (E1-E28); from the Mid-Atlantic lease Sale 76 area shown in figure 4 (S1-S24); and from along each of the 82 segments of the transportation network shown in figure 5 (1-82). Each potential spill site was represented as either a single point, a straight-line with the potential spill sources uniformly distributed along the line (for example, a transportation route), or as an area, the potential spill sources being uniformly distributed within the area. 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 in 6-hour increments. The assumptions used are as follows: (1) the effects of wind and currents act independently; (2) only a fraction of the velocity of the wind, as a result of surface shear stress, is imparted to the body of oil; and (3) the direction of oilspill motion induced by the wind is at some angle to the direction of the wind (a result of the combined effects of Ekman, Langmuir, and Stokes drifts). The seasonal wind transition probability matrix was randomly sampled each 6-hour period 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 variable drift angle ranging from 0 to 25° clockwise. The drift angle was computed as a function of wind speed according to the formula in Samuels and others (1982); (the drift angle is inversely related to wind speed). As the simulated oilspill was moved, any contacts with one or more targets were recorded. Spill movement continued until the spill hit land, moved off the map, or aged more than 30 days.

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 quality 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, 10, and 30 days, to represent implicit measures of oil weathering, as well as matters relating to containment and cleanup.

When calculating probabilities from Monte Carlo trials it is desirable to estimate the error associated with this technique. The standard deviation, s, for a particular binomial probability, p, is calculated as follows:

$$s = \mathrm{SQRT}(p(1-p)/N)$$

where N = number of trials. The shape of this distribution approximates the normal curve. Table 2 shows, for the 90-percent confidence level of this distribution, values of s as a function of p and N. For practical purposes, the Monte Carlo error is insignificant when $N = 2{,}000$, as in this analysis.

The probability that, if an oilspill occurs at a certain location, or launch sight, it will contact a specific target within a given time-of-travel (under the circumstances described above) is termed a conditional probability, because it is conditioned on oilspill occurrence. Each entry in tables 3, 4, and 5 represents the probability (expressed as percent chance) that, if a spill occurs at a certain launch point, it will contact a particular target within 3, 10, or 30 days, respectively. Tables 6, 7, and 8, and tables 9, 10 and 11, present similar probabilities for land segments, sets 1 and 2, respectively. (These conditional probabilities allow for the possibility that the targets may not be vulnerable to oilspills for the entire year; a target that is vulnerable for only 1 month, for example, could have a conditional probability no higher than about 0.08).

Conditional probabilities of contacting land from a single launch site may be combined by addition. As noted in a previous section, Washington County is represented in the model by land segment numbers 20 and 30 (set 2). From table 10, the conditional probabilities of a spill from T23 contacting segments 20 and 30 are 1% and 2%, respectively. Thus the probability of a spill from transportation segment 23 contacting any portion of Washington County, Rhode Island within 10 days is 3%.

The conditional probabilities shown in Tables 3 through 11 represent the combined results of seasonal trajectories, as previously described. Conditional probabilities (for thirty day simulations) for the seasons: winter (December - February), Spring (March - May), Summer (June - August) and Autumn (September - November) are presented in Appendix B. Tables B-1 through B-4 are each based on 500 simulations per launch sight, and if combined give the year-round conditional probabilities which are based on 2,000 simulations per launch sight.

Combined Analysis of Oilspill Occurrence and Oilspill Trajectory Simulations

In calculating the combined or "overall" probabilities of both spill occurrence and contact, the following steps are taken:

(1) For a set of nt targets and nl launch points, the conditional probabilities can be represented in a matrix form. Let [C] be an nt x nl matrix, where each element c(i,j) is the probability that an oilspill will hit target i, given that a spill occurs at launch point j. Note that launch points can represent potential spill starting points from production areas or transportation routes.

(2) Spill occurrence can be represented by another matrix [S]. With nl launch points and ns production sites; the dimensions of [S] are nl x ns. Let each element s(j,k) be the expected number of spills occurring at launch point j due to production of a unit volume of oil at site k. These spills can result from either production or transportation. The s(j,k) can be determined as functions of the volume of oil (spills per billion barrels). Each column of [S] corresponds to one production site and one transportation route. If alternative and mutually exclusive transportation routes are considered for the same production site, they can be represented by additional columns of [S], effectively increasing ns.

(3) Define matrix [U] as:

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

Matrix [U], which has dimensions nt x ns, is termed the unit risk matrix because each element u(i,k) corresponds to the expected number of spills occurring and contacting target i due to the production of a unit volume of oil at site k.

(4) With [U], it is a relatively simple matter to find the expected contacts to each target, given a set of oil volumes at each site. Let [V] be a vector of dimension ns, where each element v(k) responds to the volume of oil expected to be found at production site k. Then, if [L] is a vector of dimension nt, where each element l(i) corresponds to the expected number of contacts to target i:

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

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

Using Bayesian techniques, Devanney and Stewart (1974) showed that the probability of n oilspill contacts can be described by a negative binomial distribution. Smith and others (1982), however, noted that when actual

exposure is much less than historical exposure, as is the case for most oilspill risk analyses, the negative binomial distribution can be approximated by a Poisson distribution. The Poisson distribution has a significant advantage in calculations because it is defined by only one parameter, the expected number of spills. The matrix [L] thus contains all the information needed to use the Poisson distribution: if $P(n,i)$ is the probability of exactly n contacts to target i, then:

$$P(n,i) = [l(i)^n * \exp(-l(i))]/n!$$

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. The overall probabilities for this analysis are presented in the following tables:

Tables 12 through 16 compare the probabilities of one or more oilspills (greater than 1,000 barrels) and the expected numbers (means) of such oilspills occurring and contacting the various targets within 3, 10, and 30 days over the expected 30 year production life of the lease area. Tables 17 through 21 compare similiar cirumstances but for oilspills greater than 10,000 barrels. Tables 22 through 26 compare the probabilities of one or more oilspills (greater than 1,000 barrels) and the expected numbers (means) of such oilspills occurring and contacting the various land segments (set 1) within 3, 10, and 30 days over the expected 30 year production life of the lease area. Tables 27 through 31 compare similiar circumstances but for oil spills greater than 10,000 barrels. Tables 32 through 36 compare the probabilities of one or more oilspills (greater than 1,000 barrels) and the expected numbers (means) of such oil spills occurring and contacting the various land segments (set 2) within 3, 10, and 30 days over the expected 30 year production life of the lease area. Tables 37 through 41 compare similiar circumstances but for oilspills greater than 10,000 barrels.

The columns of tables 13 through 41 are arranged to allow comparison of the proposal and its alternatives using both the mean and high volume estimates. The cumulative circumstances presented by the proposal, existing leases, Sale 76 and imports are also included. Recall that the transportation scenarios for the proposal differ between the mean and high volume cases (see Summary of Proposed Action).

Conclusions

This analysis characterizes the oilspill risks involved in the leasing of proposed areas off the Northeastern coast. Assuming the high volume scenario, in which 0.301 billion barrels of oil are estimated to be present and produced, the probability that one or more oilspills of 1,000 barrels or larger will occur and contact land within 30 days travel time is 5 percent (95 percent chance that this will not happen). The probability that one or more oilspills of 1,000 barrels or greater will occur and contact

land within 30 days from production and transportation from existing leases and imports is 89 percent. Thus, spills from the proposed action are dwarfed by those associated with oil imports.

Examination of the probabilities for spills ($\geq$1,000 bbls and $\geq$10,000 bbls) occurring and contacting land and the 29 targets within 30 days travel time reveals no statistically significant difference among the proposal and the four deletion alternatives. Similiarily, there is no statistically significant difference between the mean and high volume cases.

From the proposed lease area, the highest conditional probabilities to contact land within 30 days occur for Nova Scotia (approximately 30 percent). The highest conditional probabilities to contact the United States coastline within 30 days are to Nantucket Island (8 percent). The risks from spills, however small, would be mitigated to the extent that weathering and decay of oil occurs at sea, and by the success of any spill countermeasures which would be attempted. These effects were not directly included in this oilspill model, but should be considered in translating the spill contacts predicted by this study into spill impacts for environmental analysis.

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List of Illustrations

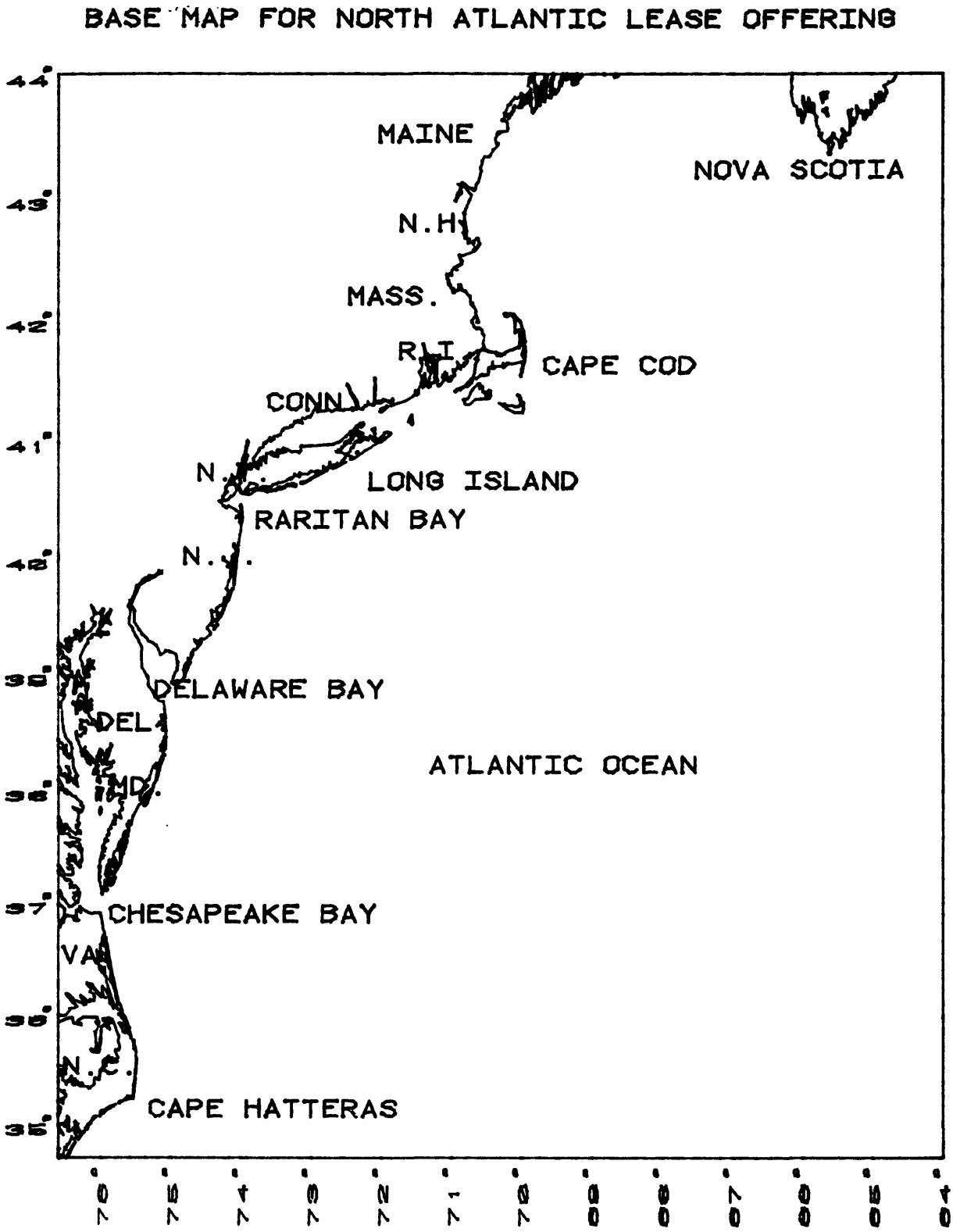

Figure 1. -- Map showing the North Atlantic study area.

LAUNCH AREAS FOR NORTH ATLANTIC LEASE OFFERING

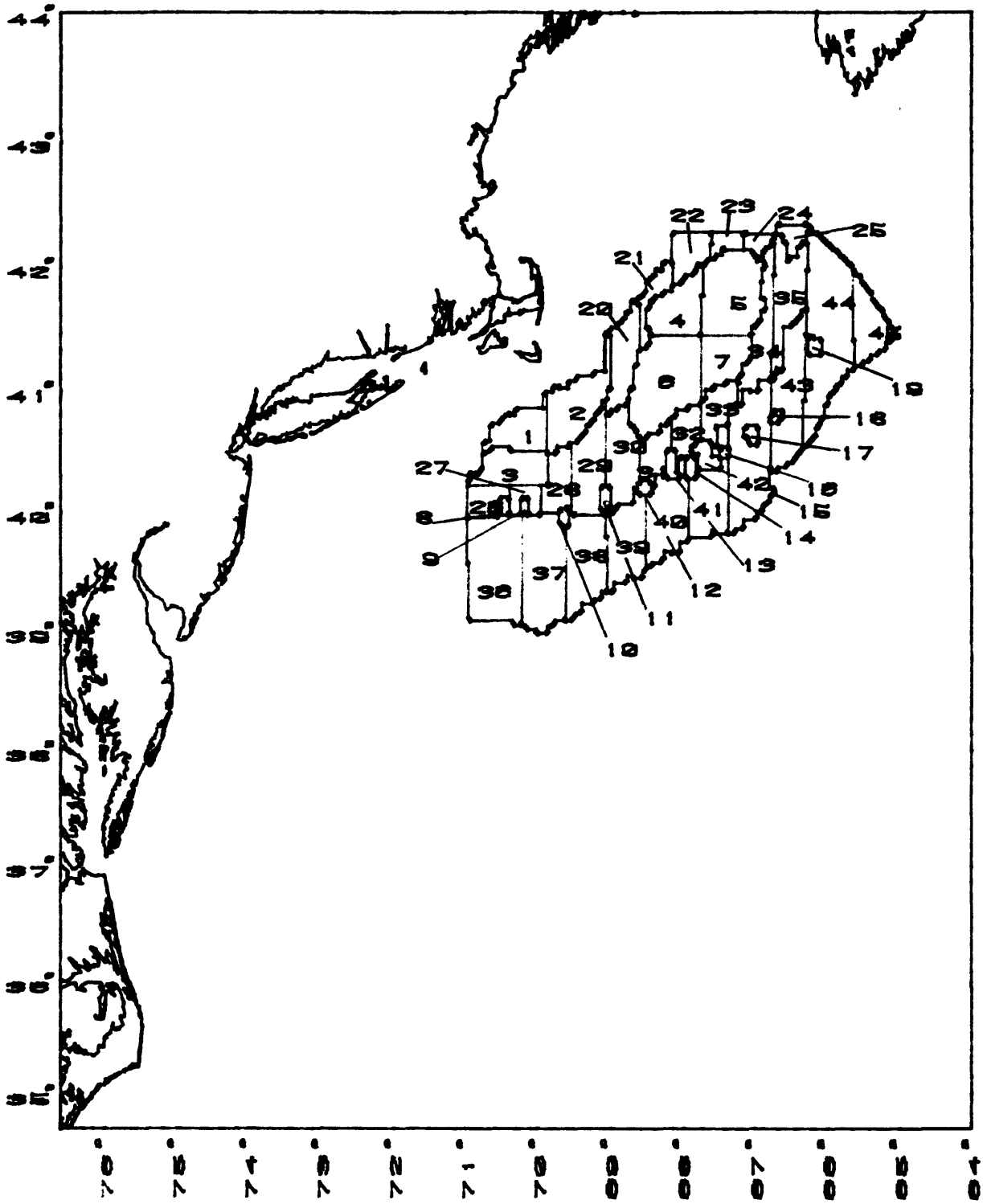

Figure 2. -- Map showing the proposed leasing areas (numbered P1-P45) for the North Atlantic Lease Offering.

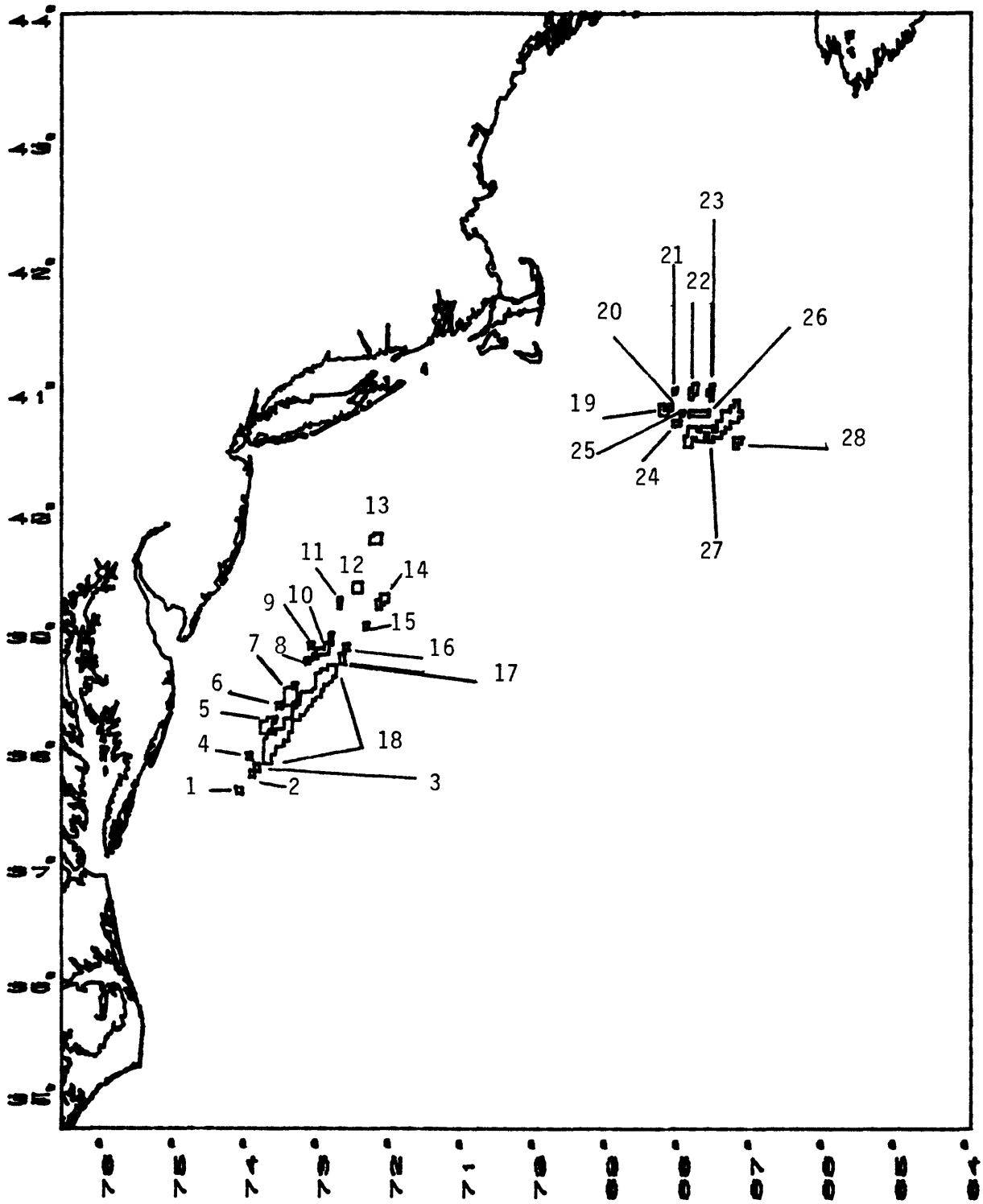

Figure 3. -- Map showing the existing lease tract groups (E1-E18 and E19-E28) in the study area.

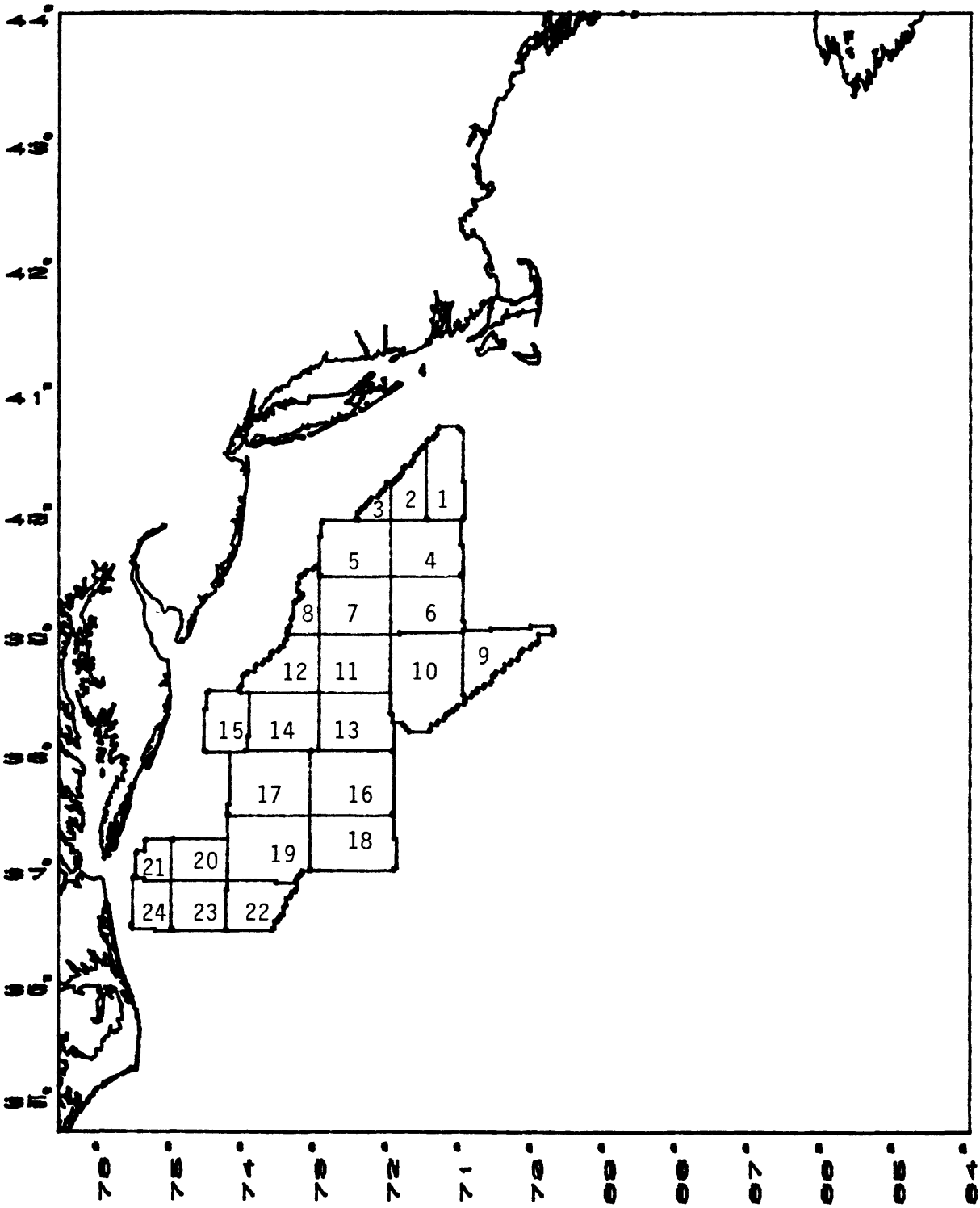

Figure 4. -- Map showing leasing areas offered in Mid-Atlantic Lease Sale 76 (April 1983).

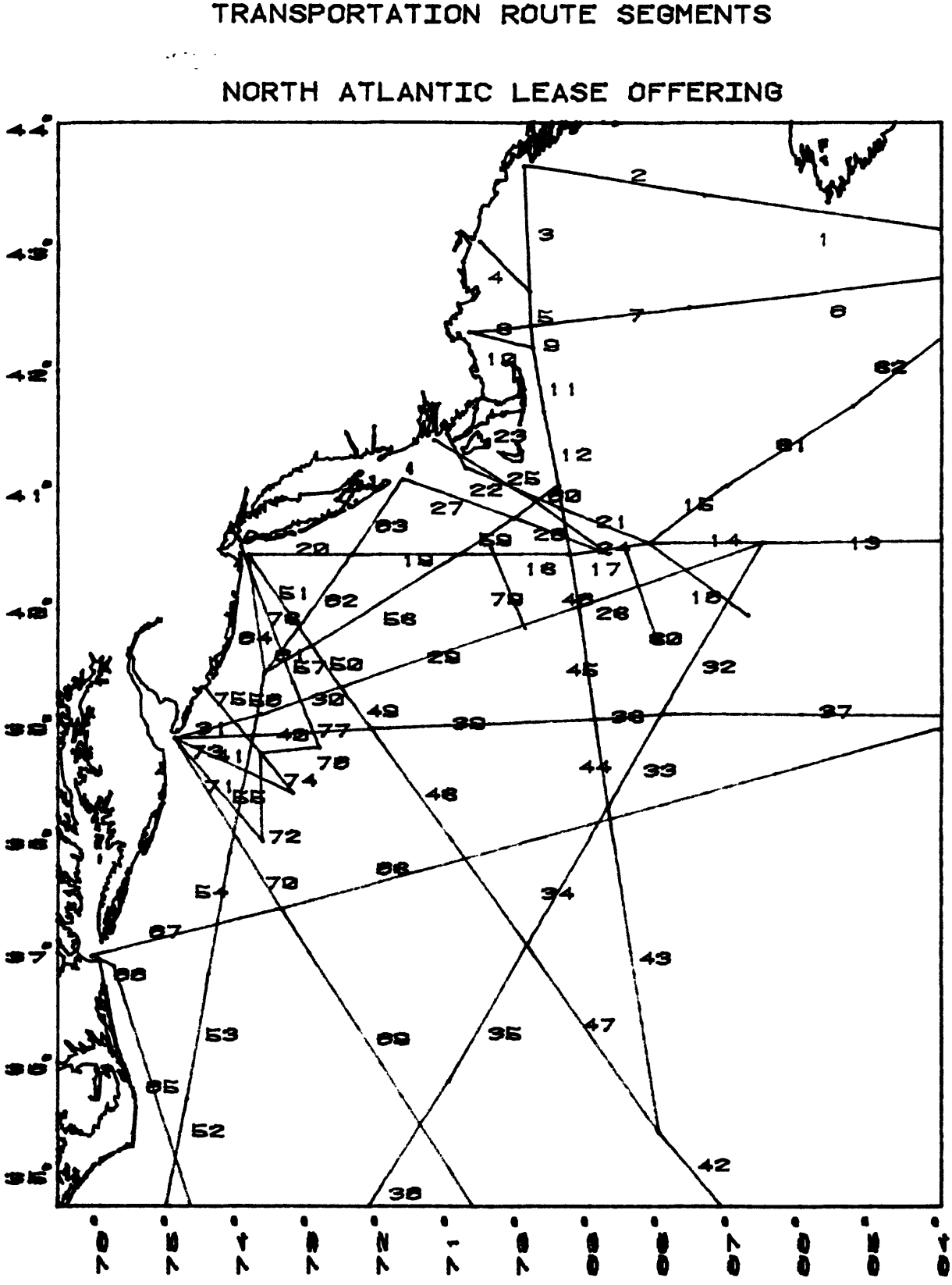

Figure 5. -- Map showing transportation route segments (numbered 1-82).

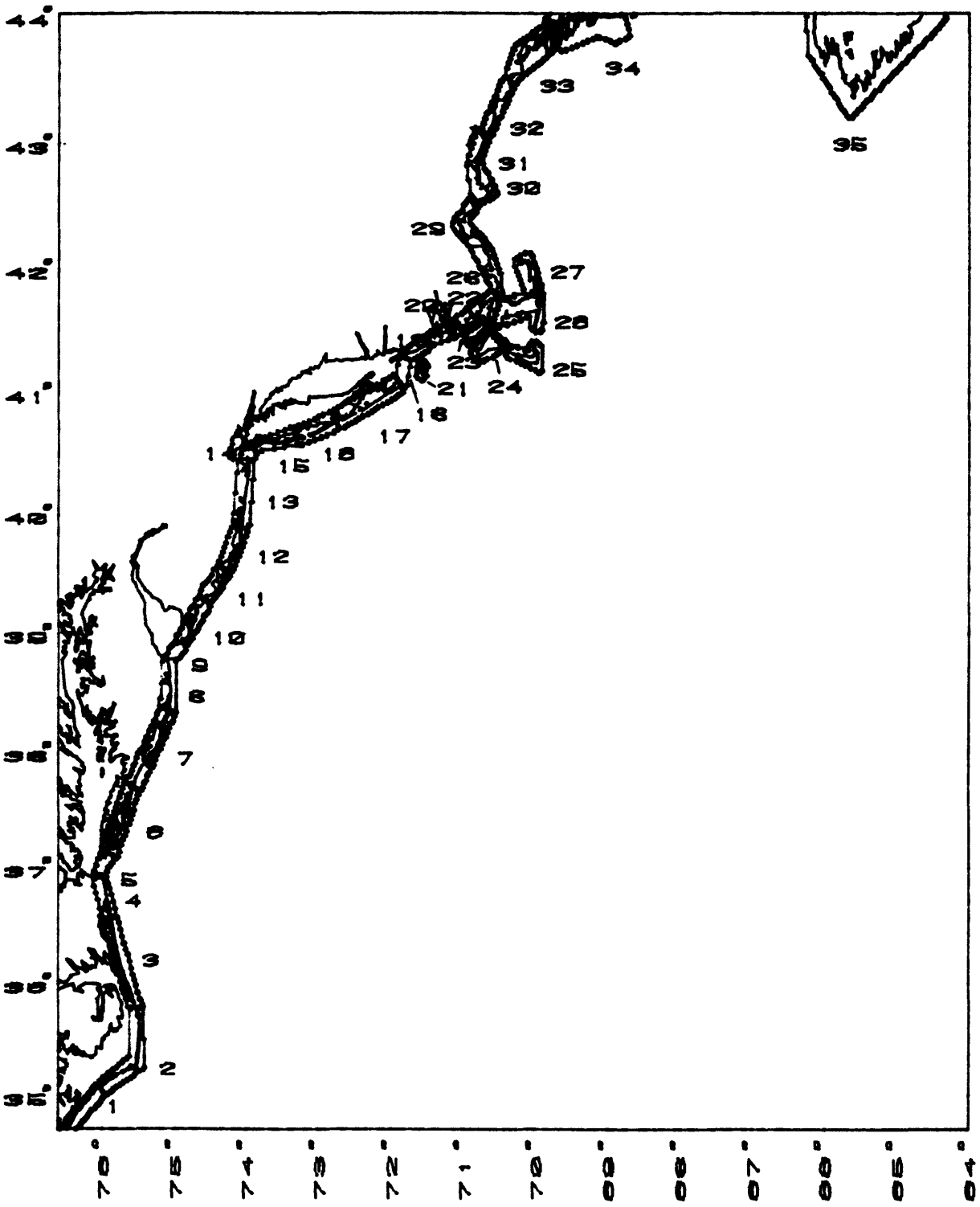

Figure 6. -- Map showing division of the shoreline into segments of approximately equal length (numbered 1-35).

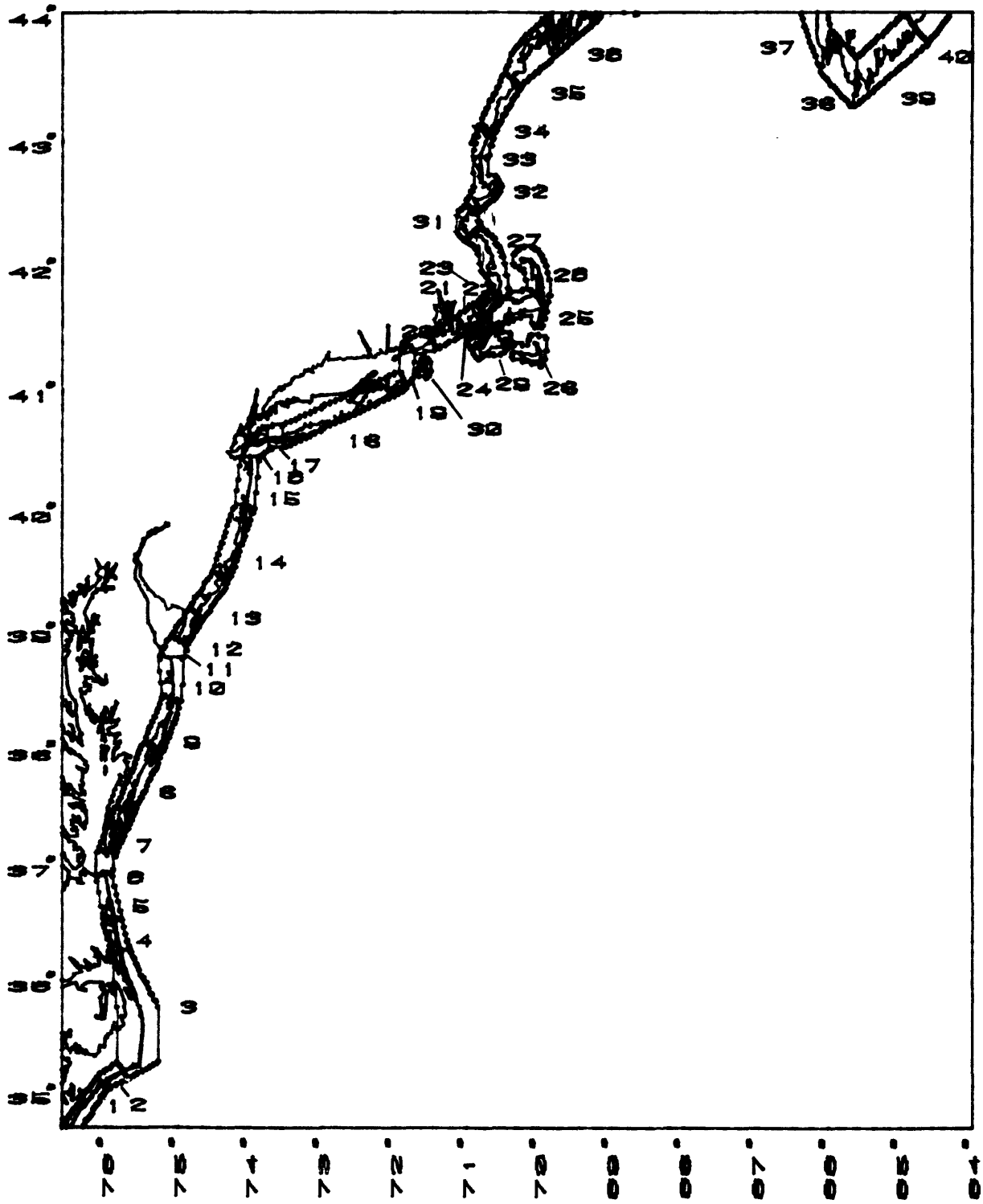

Figure 7. -- Map showing division of the shoreline into segments based upon county boundaries (numbered 1-40).

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Table 1. -- Expected number of spills and probability of one or more spills

Source	Volume (Bbbls)	Expected Number of Spills: Platforms >1K	Platforms >10K	Transportation[6] >1K	Transportation[6] >10K	Total[6] >1K	Total[6] >10K	Probability of one or More: Platforms >1K	Platforms >10K	Transportation[6] >1K	Transportation[6] >10K
Existing Leases	.250[1]	.25	.11	.40	.17	.65	.28	.22	.10	.33	.16
Sale 76 (4/25/83)	.700[2]	.70	.31	.79	.38	1.49	.69	.50	.27	.55	.32
Imports (Incl. S-78)	48.378[3]	-	-	21.77	12.09	21.77	12.09	-	-	>99.5	>99.5
Proposal, Mean	.208[4]	.21	.09	.19	.10	.40	.19	.19	.09	.17	.10
w/50 Mi del	.190	.19	.08	.17	.10	.36	.18	.17	.08	.16	.10
w/60 M del	.186	.19	.08	.17	.09	.36	.17	.17	.08	.16	.09
w/Canyon del	.179	.18	.08	.16	.09	.34	.17	.16	.08	.15	.09
Proposal, High	.301[5]	.30	.13	.27	.15	.57	.28	.26	.12	.24	.14
w/50 Mi del	.274	.27	.12	.24	.14	.51	.26	.24	.11	.21	.13
w/60 M Del	.271	.27	.12	.24	.14	.51	.26	.24	.11	.21	.13
w/Canyon Del	.259	.26	.11	.23	.13	.49	.24	.23	.11	.20	.12

NOTES

1. N. Atl. Existing Leases have zero volume, Mid-Atl. leases pipeline to Atlantic City.
2. 1/3 pipeline to Atlantic City, 2/3 tankered to Delaware Bay.
3. Sale 78 portion (.228), 20% tankered to Chesapeake Bay, 80% tankered to Delaware Bay; assume 1/2 tanker spill outside of NATL82 area.
4. In mean case, 65% tankered to Raritan Bay, 35% tankered to Delaware Bay.
5. In high case, 50% tankered to Raritan Bay, 50% tankered to Delaware Bay.
6. Excluding tanker related spills which occur on landward side of shoreline.

Table 2.--Monte Carlo error as a function of the number of trials and the estimated probability.

PROBABILITY	NUMBER OF TRIALS 50	100	200	500	1000	2000
0.05	0.05	0.04	0.03	0.02	0.01	0.01
0.10	0.07	0.05	0.04	0.02	0.02	0.01
0.15	0.08	0.06	0.04	0.03	0.02	0.01
0.20	0.09	0.07	0.05	0.03	0.02	0.01
0.25	0.10	0.07	0.05	0.03	0.02	0.02
0.30	0.11	0.08	0.05	0.03	0.02	0.02
0.35	0.11	0.08	0.06	0.04	0.02	0.02
0.40	0.11	0.08	0.06	0.04	0.03	0.02
0.45	0.12	0.08	0.06	0.04	0.03	0.02
0.50	0.12	0.08	0.06	0.04	0.03	0.02

Level of significance = 90 percent.

Table 3. -- 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	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
Coastal Waterbirds	n	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 Duck Wintering	35	52	4	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	9	1	n	n	n	n
Osprey Nesting 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
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Loggerhead 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
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Natl. Wldlfe. Refug.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Georges Bank Crest	n	11	n	99	92	97	90	n	n	n	n	1	7	3	4	2	1	1	1	55	63	42	34	19	5
Gulf Strm. Bd. Sg. 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	38	14	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
SE Georges Bank	n	n	n	2	14	14	26	n	n	n	n	5	30	18	20	9	5	4	5	1	n	1	2	2	1
Mj. Hmp./Fn. Whl. Fd	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Hard Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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 3 days.

Target	Hypothetical Spill Location																								
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	G1	G2	G3	G4	G5
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Waterbirds	n	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 Duck Wintering	n	n	6	10	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Osprey Nesting 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
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Loggerhead 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
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Natl. Wldlfe. Refug.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
St. Wlolf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Georges Bank Crest	n	n	n	6	19	20	31	30	25	11	n	n	n	n	n	1	2	1	1	n	n	n	1	4	2
Gulf Strm. Bd. Sg. 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georges Bank	n	n	n	n	4	20	34	32	28	20	n	n	n	n	2	3	6	9	2	n	n	n	3	17	7
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hard Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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 3 days.

Target	Hypothetical Spill Location																								
	S6	S7	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Waterbirds	n	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 Duck Wintering	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n
Osprey Nesting 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
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Loggerhead 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
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Natl. Wldlfe. Refug.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Georges Bank Crest	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	**	**	**	71
Gulf Strm. Bd. Sg. 1	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
Gulf Strm. Bd. Sg. 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georges Bank	12	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	35	34	35	35	34
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hard Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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 3 days.

Target	Hypothetical Spill Location																								
	E24	E25	E26	E27	E28	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1
Coastal Waterbirds	n	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 Duck Wintering	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Osprey Nesting 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
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Loggerhead 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
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Natl. Wldlfe. Refug.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Georges Bank Crest	55	72	42	15	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	2
Gulf Strm. Bd. Sg. 2	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
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	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
SE Georges Bank	34	34	35	27	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	n	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hard Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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 3 days.

Target	Hypothetical Spill Location																								
	S21	S22	S23	S24	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21
Land	4	n	1	6	20	13	14	9	5	n	2	22	14	33	21	9	n	n	n	n	n	n	n	8	n
Coastal Waterbirds	2	n	n	4	n	10	9	8	1	n	n	3	1	4	4	1	n	n	n	n	n	n	n	8	n
Sea Duck Wintering	2	n	n	n	n	7	5	2	2	n	n	15	3	18	11	53	n	n	n	n	5	11	1	18	17
Osprey Nesting Areas	1	n	n	1	n	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bald Eagle Nesting	1	n	n	n	n	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	1	n	n	1	n	2	2	1	1	n	n	2	n	4	2	4	n	n	n	n	n	n	n	n	n
Loggerhead 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
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	1	n	n	n	n	n	n	2	n	n	n	n	n	1	3	3	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	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
Inshore Lobster	n	n	n	n	n	12	18	17	6	n	2	34	14	43	20	3	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	18	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	1	n	n	n	n	n	2	3	1	n	n	6	n	6	n	n	n	n	n	n	n	n	n	5	n
Natl. Wldlfe. Refug.	2	n	n	4	n	7	8	5	n	n	n	n	n	n	3	4	n	n	n	n	n	n	n	n	n
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	1	3	n	n	n	1	1	2	7	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	n	n	n	2	7	10	n	2	28	22	46	32	15	n	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	1	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	n	n	n	n	n	n	5	16	4	n	1	18	4	18	16	21	n	n	n	n	n	n	n	n	n
Georges Bank Crest	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	5	n	5	25	3	17	n	n	n	36
Gulf Strm. Bd. Sg. 1	n	1	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwagen Bank	n	n	n	n	n	n	35	82	26	n	2	77	11	59	1	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	n	n	n	n	n	n	n	n	5	n	2	7	20	16	41	23	n	n	n	n	n	3	n	n	1
SE Georges Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	15	31	9	11	n	n	n	10
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	n	n	7	21	5	n	1	24	5	24	22	27	n	n	n	n	n	1	3	n	n
Hard Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	2	n	3	n	n	n	n	n	n	n	n	n	5	n
Soft Clam Grounds	n	n	n	n	n	1	3	4	n	n	n	5	n	5	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 3 days.

Target	Hypothetical Spill Location																								
	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46
Land	12	63	n	31	n	4	n	n	n	13	n	n	n	n	n	n	n	n	n	14	n	n	n	n	n
Coastal Waterbirds	4	35	n	14	n	3	n	n	n	12	n	n	n	n	n	n	n	n	n	11	n	n	n	n	n
Sea Duck Wintering	56	59	36	58	37	26	n	n	n	12	n	n	n	n	n	n	n	n	n	14	n	n	n	n	29
Osprey Nesting Areas	2	20	n	9	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	5	33	n	15	n	3	n	n	n	3	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n
Loggerhead 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
Grey Seal Rookeries	4	1	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	4	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	n	55	n	15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	5	n	7	n	n	n	n	n	10	n	n	n	n	n	n	n	n	n	11	n	n	n	n	n
Natl. Wldlfe. Refug.	n	3	n	3	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
St. Wldlf. & Nt. Ar.	n	28	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	44	**	1	74	1	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	n	1	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	2	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Georges Bank Crest	1	n	11	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4
Gulf Strm. Bd. Sg. 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 2	n	n	n	n	n	n	n	n	n	n	n	n	11	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	n	13	19	n	n	n	2	n	n	n	n	7	12	n	n
Gulf Strm. Bd. Sg. 4	n	n	n	n	n	n	n	n	n	n	2	5	n	n	n	20	4	n	n	n	n	n	3	n	n
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	79	67	8	88	12	40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
SE Georges Bank	n	n	1	n	1	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mj. Hmp./Fn. Whl. Fd	3	1	1	2	n	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Hard Clam Grounds	7	28	n	17	n	1	n	n	n	8	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n
Soft Clam Grounds	1	11	n	3	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 3 days.

Target	Hypothetical Spill Location																								
	T47	T48	T49	T50	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71
Land	n	n	n	n	8	n	n	n	n	n	n	n	n	2	1	n	8	18	11	72	12	n	n	6	7
Coastal Waterbirds	n	n	n	n	3	n	n	n	n	n	n	n	n	n	1	n	4	5	5	2	1	n	n	2	3
Sea Duck Wintering	n	n	n	n	6	n	n	n	n	n	n	n	17	59	n	n	17	7	n	2	5	n	n	8	11
Osprey Nesting Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	19	1	n	n	1	1
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	1	n	n	n	n
Pereg. Falc. Nest.	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
Pereg. Falc. Migr.	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	2	2	3	2	1	n	n	2	2
Loggerhead Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	1	n	n	n	n
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	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
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	67	11	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	2	4	n	31	1	n	n	3	3
Natl. Wldlfe. Refug.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	10	2	5	7	3	n	n	n	n
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	n	n	n	n	n	n	n	n	n	1	3	n	n	n	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	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
Maj. Right Whale Fd.	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
Georges Bank Crest	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 1	n	n	n	n	n	58	14	1	1	n	n	n	n	n	n	n	n	n	18	n	1	n	10	n	1
Gulf Strm. Bd. Sg. 2	n	15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	15	n	n	n
Gulf Strm. Bd. Sg. 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n	n	n
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	n	n	n	n	n	n	n	n	n	n	n	n	19	58	n	n	n	n	n	n	n	n	n	n	n
SE Georges Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	n	n	n	n	n	n	n	n	2	3	n	n	19	n	n	n	n	n	n	n	n
Hard Clam Grounds	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	2	2
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n

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 3 days.

Target	Hypothetical Spill Location										
	T72	T73	T74	T75	T76	T77	T78	T79	T80	T81	T82
Land	n	7	n	12	n	n	19	n	n	n	n
Coastal Waterbirds	n	3	n	10	n	n	7	n	n	n	n
Sea Duck Wintering	n	9	n	n	n	n	7	2	n	n	n
Osprey Nesting Areas	n	n	n	n	n	n	3	n	n	n	n
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	2	n	n	n	n	n	n	n
Pereg. Falc. Migr.	n	2	n	1	n	n	1	n	n	n	n
Loggerhead Turtle	n	n	n	n	n	n	n	n	n	n	n
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	3	n	1	n	n	2	n	n	n	n
Natl. Wldlfe. Refug.	n	n	n	6	n	n	1	n	n	n	n
St. Wldlf. & Nt. Ar.	n	n	n	3	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	n	n	n	n	n	n	n	n	n	n	n
Georges Bank Crest	n	n	n	n	n	n	n	n	4	3	n
Gulf Strm. Bd. Sg. 1	n	n	1	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 2	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 4	n	n	n	n	n	n	n	n	n	n	n
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	n	n	n	n	n	n	n	n	n	n	n
SE Georges Bank	n	n	n	n	n	n	n	n	5	13	n
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	n	n	n	n	n	n	n
Hard Clam Grounds	n	2	n	3	n	n	n	n	n	n	n
Soft Clam Grounds	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 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	5	3	1	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	4	8	9	10
Coastal Waterbirds	n	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 Duck Wintering	41	54	9	2	n	5	1	1	1	1	2	1	1	1	n	n	n	n	n	15	4	1	n	n	n
Osprey Nesting 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
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Loggerhead 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
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Natl. Wldlfe. Refug.	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
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	12	8	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1	n	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	2	3	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n
Georges Bank Crest	14	39	5	99	93	98	92	n	n	n	14	11	21	13	16	11	8	6	5	76	79	57	43	27	11
Gulf Strm. Bd. Sg. 1	1	n	2	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	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
Gulf Strm. Bd. Sg. 4	n	n	n	n	n	n	n	n	n	1	6	7	4	4	3	3	1	1	n	n	n	n	n	n	n
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	49	22	6	1	n	1	n	1	1	n	1	n	n	n	n	n	n	n	n	5	1	n	n	n	n
SE Georges Bank	1	4	n	11	21	21	31	n	n	n	7	14	32	24	25	17	12	10	10	6	7	6	6	6	5
Mj. Hmp./Fn. Whl. Fd	7	5	3	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n
Hard Clam Grounds	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
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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 10 days.

Target	Hypothetical Spill Location																							
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	G1	G2	G3	G4	G5
Land	n	n	1	1	n	n	n	n	1	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n
Coastal Waterbirds	n	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 Duck Wintering	1	2	10	15	8	3	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n
Osprey Nesting 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
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Loggerhead 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
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Natl. Wldlfe. Refug.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Georges Bank Crest	n	1	7	23	38	37	45	45	34	19	n	n	n	1	2	4	8	6	4	1	n	2	8	15	8
Gulf Strm. Bd. Sg. 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	n
Gulf Strm. Bd. Sg. 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	1	2	4	1	1	n	n	n	n	n	n	1	1	n	n
Gulf Strm. Bd. Sg. 4	n	n	1	3	3	3	1	1	n	n	n	3	14	18	14	10	5	1	n	n	n	5	10	5	1
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	3	1	4	5	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georges Bank	n	n	1	3	12	26	35	34	30	23	n	n	1	2	6	8	11	13	6	2	n	1	11	23	14
Mj. Hmp./Fn. Whl. Fd	1	1	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hard Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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 10 days.

Target	Hypothetical Spill Location																							
	G6	G7	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23
Land	n	n	2	2	1	3	1	2	1	1	2	1	1	1	1	n	1	n	n	1	n	n	n	n	n
Coastal Waterbirds	n	n	1	1	1	1	1	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Duck Wintering	n	n	n	n	n	n	1	1	1	1	1	1	1	1	2	n	n	n	n	n	5	3	3	2	1
Osprey Nesting 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
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Loggerhead 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
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Natl. Wldlfe. Refug.	n	n	1	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	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
Georges Bank Crest	6	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	**	**	**	78
Gulf Strm. Bd. Sg. 1	n	n	21	16	10	18	11	10	9	6	6	4	4	4	3	1	1	2	2	4	n	n	n	n	n
Gulf Strm. Bd. Sg. 2	n	n	n	1	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 4	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
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	n	n	n	n	n	n	n	n	n	n	1	n	n	1	1	n	n	n	n	n	1	1	1	n	n
SE Georges Bank	16	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	36	35	36	36	35
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	n	n
Hard Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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 10 days.

Target	Hypothetical Spill Location																								
	E24	E25	E26	E27	E28	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20
Land	n	n	n	n	n	2	1	1	n	1	n	1	2	n	n	n	2	n	1	4	n	1	n	n	4
Coastal Waterbirds	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	1	n	n	n	n	2
Sea Duck Wintering	2	2	1	1	n	6	3	2	n	2	n	1	2	n	n	n	2	n	n	4	n	n	n	n	n
Osprey Nesting Areas	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1
Loggerhead 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
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Natl. Wldlfe. Refug.	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	1	n	n	n	n	1
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	n	n	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Georges Bank Crest	68	80	57	33	10	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 1	n	n	n	n	n	2	3	3	1	3	n	2	5	n	n	1	7	1	6	8	3	10	16	13	28
Gulf Strm. Bd. Sg. 2	n	n	n	n	n	n	n	n	n	n	1	n	n	1	3	n	n	2	1	n	8	2	24	6	n
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	1	n	n	5	3	n	n	n	n	n	1	n	4	n	n
Gulf Strm. Bd. Sg. 4	n	n	1	1	2	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	1	1	n	n	n	11	6	2	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
SE Georges Bank	35	35	36	30	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	n	7	4	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Hard Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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 10 days.

Target	Hypothetical Spill Location																								
	S21	S22	S23	S24	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21
Land	17	n	3	18	42	25	28	24	20	17	9	44	28	52	31	17	n	n	n	n	n	1	1	19	1
Coastal Waterbirds	7	n	1	10	n	14	16	13	3	n	1	7	3	7	6	3	n	n	n	n	n	n	n	13	n
Sea Duck Wintering	3	n	n	n	n	10	10	8	8	n	3	24	9	26	19	56	n	1	1	n	9	18	6	20	20
Osprey Nesting Areas	4	n	n	1	n	4	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bald Eagle Nesting	2	n	n	1	n	4	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	4	n	n	3	n	4	5	3	2	n	1	5	2	6	5	6	n	n	n	n	n	n	n	n	n
Loggerhead Turtle	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Grey Seal Rookeries	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
Oyster Grounds	2	n	n	n	n	n	1	2	1	n	1	1	1	2	5	5	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	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
Inshore Lobster	n	n	n	n	n	16	31	31	19	n	5	49	25	54	27	6	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	23	20	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	3	n	n	1	n	1	5	5	2	n	n	9	1	9	n	n	n	n	n	n	n	n	n	9	n
Natl. Wldlfe. Refug.	8	n	1	3	n	10	13	9	1	n	n	1	1	n	6	6	n	n	n	n	n	n	n	1	n
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	3	7	2	n	1	3	3	4	9	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	n	n	1	9	21	22	n	7	45	34	58	41	25	n	n	n	n	n	3	2	n	1
Nongov. Wldlf. & Nt.	3	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	n	n	n	n	n	1	8	18	7	n	2	20	7	20	17	22	n	n	n	n	n	1	n	n	1
Georges Bank Crest	n	n	n	n	n	n	1	3	10	4	18	6	13	5	20	33	n	15	40	9	38	12	1	n	57
Gulf Strm. Bd. Sg. 1	13	23	38	21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	n	n
Gulf Strm. Bd. Sg. 2	n	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	1	8	1	1	n	n	1
Stellwagen Bank	n	n	n	n	n	3	42	86	31	n	3	79	14	61	2	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	n	n	n	n	n	n	2	5	14	n	6	16	29	24	50	35	n	n	n	n	2	11	9	n	5
SE Georges Bank	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	2	1	20	34	14	16	1	n	n	16
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	n	1	10	24	8	n	2	26	8	26	23	28	n	n	n	n	1	4	7	n	2
Hard Clam Grounds	n	n	n	n	n	n	n	n	1	n	n	4	n	5	n	1	n	n	n	n	n	n	n	10	n
Soft Clam Grounds	n	n	n	n	n	2	6	8	2	n	n	8	1	8	1	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 10 days.

Target	Hypothetical Spill Location																								
	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46
Land	24	78	2	47	2	21	n	n	2	22	n	n	n	n	n	n	n	n	1	21	n	n	n	n	2
Coastal Waterbirds	9	42	n	22	n	11	n	n	1	17	n	n	n	n	n	n	n	n	n	15	n	n	n	n	n
Sea Duck Wintering	58	60	39	59	41	41	n	n	2	16	n	n	n	n	n	n	n	n	1	18	n	n	n	n	32
Osprey Nesting Areas	3	23	n	12	n	4	n	n	n	3	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	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
Pereg. Falc. Migr.	10	34	1	19	1	8	n	n	n	5	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n
Loggerhead 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
Grey Seal Rookeries	7	4	n	3	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	4	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	1	57	n	18	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	6	n	7	n	1	n	n	n	13	n	n	n	n	n	n	n	n	n	13	n	n	n	n	n
Natl. Wldlfe. Refug.	1	5	n	4	n	8	n	n	n	2	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
St. Wldlf. & Nt. Ar.	n	30	n	6	n	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	52	**	4	78	4	28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
Nongov. Wldlf. & Nt.	n	1	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	5	n	2	3	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
Georges Bank Crest	17	1	37	8	30	5	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	28
Gulf Strm. Bd. Sg. 1	n	n	n	n	n	n	n	n	4	2	n	n	n	n	n	n	n	n	3	3	n	n	n	n	n
Gulf Strm. Bd. Sg. 2	n	n	n	n	n	n	n	n	n	n	n	n	11	1	n	n	n	1	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	n	15	23	n	n	n	4	4	n	n	n	8	16	3	n
Gulf Strm. Bd. Sg. 4	n	n	1	n	1	n	7	1	n	n	19	40	17	n	n	31	38	7	n	n	n	6	31	21	2
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	31	69	13	90	17	53	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9
SE Georges Bank	1	n	6	n	5	n	11	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	4
Mj. Hmp./Fn. Whl. Fd	9	2	3	6	3	19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4
Hard Clam Grounds	12	34	n	25	n	8	n	n	n	12	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n
Soft Clam Grounds	2	13	n	5	n	2	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 10 days.

Target	Hypothetical Spill Location																								
	T47	T48	T49	T50	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71
Land	n	n	n	2	20	1	1	2	3	4	3	1	4	7	5	2	15	31	21	80	18	n	n	10	14
Coastal Waterbirds	n	n	n	1	10	n	n	1	1	2	2	n	1	1	3	1	8	13	9	6	4	n	n	4	5
Sea Duck Wintering	n	n	n	2	10	n	n	n	1	3	2	4	27	60	2	2	22	13	n	2	5	n	n	10	14
Osprey Nesting Areas	n	n	n	n	2	n	n	n	n	1	n	n	n	n	n	n	2	3	1	21	2	n	n	2	3
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	1	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	1	n	n	n	n	n	1	n	n	n	1	n	n	3	n	n	n	n	n	n	n
Pereg. Falc. Migr.	n	n	n	n	2	n	n	n	n	1	1	n	1	3	2	n	4	5	4	3	2	n	n	3	4
Loggerhead Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	1	n	n	n	n
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	1	1	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	63	12	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	3	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	6	n	n	n	n	1	1	n	n	n	1	n	4	7	1	32	2	n	n	3	5
Natl. Wldlfe. Refug.	n	n	n	1	2	n	n	1	1	2	2	n	n	1	4	1	14	6	7	12	6	n	n	1	2
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	n	n	n	n	n	n	n	n	1	9	16	n	n	4	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n
Maj. Right Whale Fd.	n	n	n	n	n	n	n	n	n	n	n	n	1	6	n	n	n	n	n	n	n	n	n	n	n
Georges Bank Crest	n	n	n	n	n	n	n	n	n	n	n	1	8	27	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 1	n	n	2	4	1	76	51	22	10	2	2	4	1	n	2	2	1	n	38	1	14	1	16	7	7
Gulf Strm. Bd. Sq. 2	n	21	n	n	n	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	1	9	11	1	n
Gulf Strm. Bd. Sq. 3	n	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	19	1	n	n
Gulf Strm. Bd. Sq. 4	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20	n	n	n
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	n	n	n	1	n	n	n	n	n	n	n	4	34	63	n	1	6	n	n	n	n	n	n	n	n
SE Georges Bank	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
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	n	n	n	n	n	n	n	2	7	9	n	1	24	n	n	n	n	n	n	n	n
Hard Clam Grounds	n	n	n	n	5	n	n	n	n	1	1	n	1	1	1	n	4	3	n	n	n	n	n	3	3
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	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 10 days.

Target	Hypothetical Spill Location										
	T72	T73	T74	T75	T76	T77	T78	T79	T80	T81	T82
Land	2	12	2	18	2	2	28	n	n	n	n
Coastal Waterbirds	1	5	n	15	n	1	11	n	n	n	n
Sea Duck Wintering	1	12	1	3	2	1	11	5	1	n	n
Osprey Nesting Areas	n	1	n	1	n	n	4	n	n	n	n
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	3	n	n	1	n	n	n	n
Pereg. Falc. Migr.	n	3	n	2	n	n	3	n	n	n	n
Loggerhead Turtle	n	n	n	n	n	n	n	n	n	n	n
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	4	n	4	n	n	5	n	n	n	n
Natl. Wldlfe. Refug.	1	1	1	8	1	n	3	n	n	n	n
St. Wldlf. & Nt. Ar.	n	n	n	4	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	n	n	n	n	1	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	n	n	n	n	n	n	n	n	n	n	n
Georges Bank Crest	n	n	n	n	n	n	n	2	10	8	n
Gulf Strm. Bd. Sg. 1	10	6	9	2	7	4	1	1	n	n	n
Gulf Strm. Bd. Sg. 2	1	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 4	n	n	n	n	n	n	n	n	10	n	n
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	n	n	n	n	n	1	n	4	n	n	n
SE Georges Bank	n	n	n	n	n	n	n	n	10	15	n
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	n	n	n	2	n	n	n
Hard Clam Grounds	n	4	n	6	n	n	3	n	n	n	n
Soft Clam Grounds	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 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	15	15	7	20	19	10	7	3	3	3	3	1	1	1	1	1	1	1	2	18	22	29	33	32	31
Coastal Waterbirds	3	2	2	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Sea Duck Wintering	43	55	13	4	1	8	2	2	2	2	4	2	2	2	1	1	n	n	n	19	6	2	1	n	n
Osprey Nesting Areas	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
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	3	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Loggerhead 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
Grey Seal Rookeries	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Natl. Wldlfe. Refug.	1	1	1	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	19	12	6	1	n	2	1	2	3	2	1	n	n	n	n	n	n	n	n	6	2	1	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	4	5	2	n	n	2	1	n	n	n	1	n	n	n	n	n	n	n	n	4	1	n	n	n	n
Georges Bank Crest	33	57	19	99	93	98	92	7	6	5	26	23	31	21	26	19	13	10	9	84	83	62	46	30	14
Gulf Strm. Bd. Sg. 1	4	2	9	n	n	n	n	9	9	8	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 2	2	1	4	n	n	n	n	7	6	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	2	1	3	n	n	n	n	7	5	6	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 4	8	9	7	4	2	8	5	4	4	7	20	20	17	16	14	12	8	6	2	8	3	1	1	1	1
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	54	27	13	2	1	4	1	5	6	4	3	1	1	1	1	1	n	n	n	8	3	1	1	n	n
SE Georges Bank	6	11	4	13	24	26	34	1	1	n	15	21	35	29	30	22	17	15	13	13	14	12	10	10	8
Mj. Hmp./Fn. Whl. Fd	11	7	6	n	n	2	1	2	2	2	2	1	1	1	n	n	n	n	n	4	1	n	n	n	n
Hard Clam Grounds	2	1	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Soft Clam Grounds	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

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

Table 5. (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																								
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	G1	G2	G3	G4	G5
Land	4	3	6	7	4	2	3	3	8	13	1	1	n	n	n	n	1	1	6	2	2	1	1	1	1
Coastal Waterbirds	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
Sea Duck Wintering	3	4	12	17	10	5	3	3	1	1	1	1	n	n	1	1	n	n	n	n	1	1	2	2	1
Osprey Nesting Areas	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
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Loggerhead 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
Grey Seal Rookeries	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
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	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
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Natl. Wldlfe. Refug.	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	3	2	4	4	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	1	n	2	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Georges Bank Crest	8	9	17	33	49	46	52	51	37	22	n	1	2	3	7	9	13	9	6	2	1	7	17	23	14
Gulf Strm. Bd. Sg. 1	11	8	7	2	1	n	n	n	n	n	6	4	n	n	n	n	n	n	n	n	9	4	n	n	n
Gulf Strm. Bd. Sg. 2	8	6	3	1	n	n	n	n	n	n	3	3	n	n	n	n	n	n	n	n	7	2	n	n	n
Gulf Strm. Bd. Sg. 3	6	5	4	2	1	1	n	n	n	n	7	6	5	1	1	n	n	n	n	n	7	5	2	n	n
Gulf Strm. Bd. Sg. 4	4	5	7	15	18	15	12	9	3	1	10	17	26	25	20	16	11	4	1	n	6	14	21	15	7
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	8	6	10	9	5	2	1	1	n	n	1	1	n	n	n	n	n	n	n	n	1	2	1	1	n
SE Georges Bank	1	1	5	11	20	31	37	36	32	25	n	n	2	5	11	14	16	17	9	4	n	4	16	27	19
Mj. Hmp./Fn. Whl. Fd	3	2	5	4	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n
Hard Clam Grounds	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 5. (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																								
	36	37	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23
Land	2	5	3	4	2	5	3	4	4	4	5	3	3	5	5	1	2	1	1	2	6	6	9	7	5
Coastal Waterbirds	n	n	1	2	1	2	2	2	1	2	2	1	2	2	2	1	1	1	1	1	n	n	n	n	n
Sea Duck Wintering	1	n	n	n	n	1	1	1	1	4	4	2	3	4	4	1	1	1	n	n	8	6	5	4	3
Osprey Nesting 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
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	n	n	1	1	n	1	1	1	1	1	1	1	n	1	1	n	n	1	n	1	n	n	n	n	n
Loggerhead 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
Grey Seal Rookeries	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
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Natl. Wldlfe. Refug.	n	n	1	1	1	2	1	1	1	2	1	1	1	1	1	n	1	1	1	1	n	n	n	n	n
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	n	n	n	n	n	n	1	1	n	n	3	5	n	n	n	n	n	2	1	1	1	1
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	1
Georges Bank Crest	10	7	n	n	n	n	n	n	n	2	2	n	2	4	6	n	n	n	n	n	**	**	**	**	80
Gulf Strm. Bd. Sg. 1	n	n	45	41	31	45	35	34	34	28	26	25	25	19	18	12	14	17	16	20	n	n	n	n	n
Gulf Strm. Bd. Sg. 2	n	n	26	25	24	23	25	24	23	16	12	17	13	11	9	13	16	17	16	21	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	n	n	10	10	10	8	9	8	9	7	3	7	5	4	4	9	9	8	9	10	n	n	n	n	n
Gulf Strm. Bd. Sg. 4	3	1	6	5	5	5	4	4	4	4	3	4	4	3	3	3	3	4	4	4	11	10	9	8	8
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	n	n	n	n	n	n	n	n	n	2	3	1	2	3	11	n	n	n	n	n	3	2	3	3	2
SE Georges Bank	20	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	39	38	39	38	37
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	n	n	n	n	n	2	1	1	1	1
Hard Clam Grounds	n	n	n	n	n	n	n	n	n	1	1	n	n	1	1	n	n	n	n	n	n	n	n	n	n
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 5. (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																								
	E24	E25	E26	E27	E28	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20
Land	4	4	3	2	1	9	7	8	3	7	n	3	6	n	n	1	6	n	3	9	n	2	n	n	6
Coastal Waterbirds	n	n	n	n	n	3	3	3	1	3	n	1	2	n	n	n	2	n	1	4	n	1	n	n	3
Sea Duck Wintering	5	5	3	3	1	10	8	6	2	6	n	2	6	n	n	n	4	n	1	5	n	n	n	n	1
Osprey Nesting Areas	n	n	n	n	n	1	2	1	n	1	n	1	1	n	n	n	1	n	n	1	n	n	n	n	n
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Migr.	n	n	n	n	n	1	1	1	1	2	n	1	1	n	n	n	1	n	n	2	n	n	n	n	1
Loggerhead 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
Grey Seal Rookeries	n	n	n	n	n	1	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	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
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	n	n	n	1	1	n	1	n	n	1	n	n	n	1	n	n	1	n	n	n	n	n
Natl. Wldlfe. Refug.	n	n	n	n	n	1	1	2	1	2	n	1	2	n	n	n	2	n	1	3	n	n	n	n	2
St. Wldlf. & Nt. Ar.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
State Marine Sanc.	1	1	1	1	n	10	8	6	1	5	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n
Maj. Right Whale Fd.	1	1	1	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Georges Bank Crest	72	32	61	40	13	12	9	3	1	5	n	1	3	n	n	n	1	n	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 1	n	n	n	n	n	10	12	13	13	16	6	15	21	1	2	12	27	4	23	35	5	24	17	22	51
Gulf Strm. Bd. Sg. 2	n	n	n	n	n	5	6	7	10	8	7	13	9	3	8	15	14	14	22	12	22	25	31	28	24
Gulf Strm. Bd. Sg. 3	n	n	n	n	n	4	4	3	8	3	10	7	3	13	15	10	5	13	9	4	15	12	16	11	9
Gulf Strm. Bd. Sg. 4	12	10	11	10	10	4	3	3	4	3	6	3	2	22	12	5	3	7	4	2	14	7	20	9	7
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	2	2	2	1	n	19	16	13	2	10	n	2	4	n	n	n	2	n	n	1	n	n	n	n	n
SE Georges Bank	38	38	38	34	22	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Mj. Hmp./Fn. Whl. Fd	1	1	1	n	n	9	7	6	1	3	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n
Hard Clam Grounds	n	n	n	n	n	3	2	2	n	2	n	n	1	n	n	n	1	n	n	2	n	n	n	n	n
Soft Clam Grounds	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 5. (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																								
	S21	S22	S23	S24	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21
Land	25	n	3	24	49	39	45	42	36	31	30	56	42	61	43	30	n	1	2	1	6	8	9	28	8
Coastal Waterbirds	11	n	1	13	n	16	20	16	5	n	1	8	4	9	6	4	n	n	n	n	n	2	4	17	1
Sea Duck Wintering	4	n	n	n	n	12	14	12	12	n	5	27	13	29	23	57	n	1	2	1	11	21	12	24	22
Osprey Nesting Areas	5	n	n	2	n	5	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n
Bald Eagle Nesting	2	n	n	1	n	4	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	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
Pereg. Falc. Migr.	6	n	n	4	n	4	6	5	4	n	1	6	4	7	6	7	n	n	n	n	n	1	2	2	1
Loggerhead Turtle	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	1	n	n
Oyster Grounds	3	n	n	n	n	n	1	3	1	n	1	2	2	3	6	5	n	n	n	n	n	n	1	1	n
Blue Crab Grounds	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
Inshore Lobster	n	n	n	n	n	18	36	39	23	n	7	52	28	56	28	7	n	n	n	n	n	1	1	n	n
Harbor Seal Rook.	n	n	n	n	n	25	23	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	4	n	n	1	n	1	6	7	3	n	1	10	2	9	n	n	n	n	n	n	n	n	1	13	n
Natl. Wldlfe. Refug.	12	n	1	10	n	11	15	11	2	n	1	1	2	1	7	6	n	n	n	n	n	1	2	3	n
St. Wldlf. & Nt. Ar.	n	n	n	n	n	1	4	9	3	n	1	4	4	5	9	1	n	n	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	n	n	3	15	30	27	n	3	49	33	61	44	28	n	n	n	n	2	3	11	2	4
Nongov. Wldlf. & Nt.	5	n	n	n	n	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	n	n	n	n	n	2	9	19	8	n	2	21	8	20	18	22	n	n	n	n	2	2	1	n	2
Georges Bank Crest	n	n	n	n	1	4	11	17	27	6	29	16	27	16	35	51	1	22	47	16	49	29	11	1	67
Gulf Strm. Bd. Sg. 1	44	31	55	52	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	7	9	6	n
Gulf Strm. Bd. Sg. 2	14	29	26	18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	4	1	n
Gulf Strm. Bd. Sg. 3	4	12	9	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	2	1	1
Gulf Strm. Bd. Sg. 4	2	12	9	3	n	n	n	n	1	n	1	n	1	1	3	7	2	11	10	13	16	8	4	2	13
Stellwagen Bank	n	n	n	n	n	5	43	86	32	n	4	79	14	61	2	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	n	n	n	n	n	1	6	11	18	n	7	20	32	27	52	39	n	1	1	n	6	17	20	4	9
SE Georges Bank	n	n	n	n	n	1	2	2	4	2	6	2	4	2	5	8	2	25	36	20	24	6	1	n	22
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	n	2	11	24	9	n	3	27	9	26	24	29	n	n	1	n	3	7	13	4	3
Hard Clam Grounds	n	n	n	n	n	n	1	1	2	n	n	4	1	5	1	2	n	n	n	n	n	2	3	14	1
Soft Clam Grounds	n	n	n	n	n	3	7	10	3	n	1	9	1	9	1	1	n	n	n	n	n	1	1	2	n

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

Table 5. (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																							
	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46
Land	35	83	10	55	11	35	1	2	6	29	n	n	n	n	n	n	n	n	3	28	n	n	n	n	10
Coastal Waterbirds	11	44	1	24	1	17	n	1	3	21	n	n	n	n	n	n	n	n	1	17	n	n	n	n	1
Sea Duck Wintering	60	61	41	60	42	46	1	1	5	19	n	n	n	n	n	n	n	n	3	21	n	n	n	n	33
Osprey Nesting Areas	4	24	n	13	n	7	n	n	1	4	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Pereg. Falc. Migr.	11	35	1	20	2	10	n	n	1	7	n	n	n	n	n	n	n	n	1	7	n	n	n	n	1
Loggerhead 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
Grey Seal Rookeries	8	5	n	10	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Oyster Grounds	1	5	n	4	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	2	57	n	18	1	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	7	n	7	n	2	n	n	1	14	n	n	n	n	n	n	n	n	n	14	n	n	n	n	n
Natl. Wldlfe. Refug.	2	6	n	5	1	9	n	n	2	4	n	n	n	n	n	n	n	n	1	4	n	n	n	n	1
St. Wldlf. & Nt. Ar.	n	30	n	7	n	3	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
State Marine Sanc.	54	**	7	79	8	38	n	1	2	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	7
Nongov. Wldlf. & Nt.	n	1	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
Maj. Right Whale Fd.	7	n	4	4	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4
Georges Bank Crest	32	5	53	20	47	18	14	2	3	1	1	n	n	n	n	n	n	n	1	1	n	n	n	2	43
Gulf Strm. Bd. Sg. 1	1	1	1	1	2	4	n	10	21	15	n	n	n	n	n	n	n	2	20	17	n	n	n	n	1
Gulf Strm. Bd. Sg. 2	n	n	n	1	1	1	n	6	11	4	n	n	11	1	n	n	n	3	12	5	n	n	n	n	n
Gulf Strm. Bd. Sg. 3	1	n	2	1	2	1	n	7	3	1	n	15	23	1	n	n	4	11	6	1	n	8	16	4	1
Gulf Strm. Bd. Sg. 4	9	2	13	5	13	6	17	7	2	1	20	43	22	1	n	32	43	21	3	1	n	7	40	29	15
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	83	69	18	90	21	65	1	1	6	1	n	n	n	n	n	n	n	n	1	1	n	n	n	n	14
SE Georges Bank	5	n	14	3	13	3	16	1	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	2	11
Mj. Hmp./Fn. Whl. Fd	11	3	5	3	5	21	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6
Hard Clam Grounds	14	36	1	27	1	14	n	n	2	14	n	n	n	n	n	n	n	n	n	10	n	n	n	n	1
Soft Clam Grounds	3	14	n	5	n	4	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. (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																								
	T47	T48	T49	T50	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71
Land	n	n	2	6	28	1	1	3	6	11	9	7	14	18	11	8	26	39	24	83	21	n	n	14	19
Coastal Waterbirds	n	n	1	3	13	n	n	1	2	6	6	3	3	2	7	3	13	17	11	8	6	n	n	6	7
Sea Duck Wintering	n	n	1	5	14	n	n	n	4	6	6	7	30	61	7	8	28	16	n	3	5	n	n	11	16
Osprey Nesting Areas	n	n	n	1	2	n	n	n	1	2	1	1	1	1	2	1	4	4	1	21	3	n	n	3	4
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	1	n	n	n	1
Pereg. Falc. Nest.	n	n	n	1	2	n	n	n	n	1	2	n	n	n	2	1	n	4	n	n	n	n	n	n	n
Pereg. Falc. Migr.	n	n	n	1	4	n	n	1	1	3	3	1	2	4	4	2	6	6	5	4	3	n	n	4	6
Loggerhead Turtle	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	1	n	n	n	n
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	2	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	n	n	1	1	n	n	1	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	68	12	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	5	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	n	n	1	9	n	n	n	1	3	2	n	n	n	2	1	6	10	1	32	2	n	n	4	5
Natl. Wldlfe. Refug.	n	n	1	2	4	n	n	1	2	4	5	1	1	2	6	3	17	9	8	13	7	n	n	2	3
St. Wldlf. & Nt. Ar.	n	n	n	n	1	n	n	n	n	1	n	n	n	n	1	n	2	1	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	4	1	n	n	n	n	1	2	7	16	20	1	3	13	n	n	n	n	n	n	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	2	n	n	1	n
Maj. Right Whale Fd.	n	n	n	n	n	n	n	n	n	n	n	1	2	7	n	n	n	n	n	n	n	n	n	n	n
Georges Bank Crest	n	n	n	4	1	n	n	n	1	1	2	10	26	48	1	3	6	1	n	n	n	n	n	n	n
Gulf Strm. Bd. Sg. 1	n	1	14	19	10	79	63	45	34	19	16	13	5	2	13	11	6	7	54	9	33	1	16	25	28
Gulf Strm. Bd. Sg. 2	n	24	13	3	2	23	30	28	14	6	5	5	2	1	4	3	1	2	16	2	18	12	15	16	11
Gulf Strm. Bd. Sg. 3	n	15	8	3	1	9	12	10	5	2	2	4	3	1	1	2	1	1	6	n	6	22	7	7	3
Gulf Strm. Bd. Sg. 4	n	19	3	3	1	12	13	7	3	2	2	3	7	9	2	2	3	1	5	n	5	28	8	4	2
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	n	n	1	9	3	n	n	n	1	3	4	14	40	65	3	7	13	1	n	n	n	n	n	n	1
SE Georges Bank	n	n	n	n	n	n	n	n	n	n	n	1	4	9	n	n	1	n	n	n	n	n	n	n	n
Mj. Hmp./Fn. Whl. Fd	n	n	n	2	2	n	n	n	n	1	1	5	10	12	1	5	28	n	n	n	n	n	n	n	n
Hard Clam Grounds	n	n	n	2	7	n	n	n	1	3	3	2	3	2	3	2	9	6	n	n	n	n	n	4	5
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n

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

Table 5. (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										
	T72	T73	T74	T75	T76	T77	T78	T79	T80	T81	T82
Land	4	16	5	24	5	5	36	5	1	2	2
Coastal Waterbirds	2	7	2	18	2	2	16	1	n	n	n
Sea Duck Wintering	3	14	2	7	4	3	15	7	2	n	n
Osprey Nesting Areas	n	2	1	3	1	1	5	1	n	n	n
Bald Eagle Nesting	n	n	n	n	n	n	n	n	n	n	n
Pereg. Falc. Nest.	n	n	n	4	n	n	2	n	n	n	n
Pereg. Falc. Migr.	1	4	1	4	1	1	5	1	n	n	n
Loggerhead Turtle	n	n	n	n	n	n	n	n	n	n	n
Grey Seal Rookeries	n	n	n	n	n	n	n	n	n	n	n
Oyster Grounds	n	n	n	n	n	n	n	n	n	n	n
Blue Crab Grounds	n	n	n	n	n	n	n	n	n	n	n
Inshore Lobster	n	n	n	n	n	n	n	n	n	n	n
Harbor Seal Rook.	n	n	n	n	n	n	n	n	n	n	n
Coastal Marshes	n	4	n	5	1	1	8	n	n	n	n
Natl. Wldlfe. Refug.	1	2	1	10	2	1	5	1	n	n	n
St. Wldlf. & Nt. Ar.	n	n	n	4	n	n	n	n	n	n	n
State Marine Sanc.	n	n	n	1	1	1	1	4	1	n	n
Nongov. Wldlf. & Nt.	n	n	n	n	n	n	n	n	n	n	n
Maj. Right Whale Fd.	n	n	n	n	n	n	n	1	n	n	n
Georges Bank Crest	1	1	1	1	2	2	1	12	16	11	1
Gulf Strm. Bd. Sg. 1	33	24	29	17	29	23	8	8	n	n	n
Gulf Strm. Bd. Sg. 2	21	13	17	5	14	12	3	5	n	n	n
Gulf Strm. Bd. Sg. 3	7	3	6	1	6	4	1	4	n	n	n
Gulf Strm. Bd. Sg. 4	4	2	3	1	3	3	1	6	19	2	n
Stellwagen Bank	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shoals	1	1	1	1	2	3	2	9	1	n	n
SE Georges Bank	n	n	n	n	n	n	n	2	15	17	2
Mj. Hmp./Fn. Whl. Fd	n	n	n	n	1	1	1	4	n	n	n
Hard Clam Grounds	n	5	n	7	1	1	6	1	n	n	n
Soft Clam Grounds	n	n	n	n	n	n	n	n	n	n	n

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

Table 6. -- 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
25	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

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 3 days.

Land Segment	Hypothetical Spill Location																							
	S21	S22	S23	S24	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21
2	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
3	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	2	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	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
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n
15	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
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	1	1	9	4	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	4	n	1	11	13	20	11	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	1	n	n	6	1	8	n	n	n	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	4	n	3	n	n	n	n	n	n	n	n	n	n	n
30	n	n	n	n	n	n	1	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	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
32	n	n	n	n	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	5	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	7	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	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

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 3 days.

Land Segment	Hypothetical Spill Location																							
	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46
8	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n
17	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
20	n	1	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	1	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	7	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	23	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	3	28	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	9	1	n	10	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 6. (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																							
	T47	T48	T49	T50	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71
2	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
3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	1	n	n	n	n	n
4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	46	3	n	n	n	n
5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	23	7	n	n	n	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	2	3
9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
12	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n
13	n	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	14	n	n	n	n	n	n	n
15	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	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	3	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n
25	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

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 3 days.

Land Segment	Hypothetical Spill Location										
	T72	T73	T74	T75	T76	T77	T78	T79	T80	T81	T82
8	n	2	n	n	n	n	n	n	n	n	n
9	n	4	n	n	n	n	n	n	n	n	n
10	n	1	n	3	n	n	n	n	n	n	n
11	n	n	n	9	n	n	n	n	n	n	n
12	n	n	n	n	n	n	1	n	n	n	n
13	n	n	n	n	n	n	11	n	n	n	n
14	n	n	n	n	n	n	7	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 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
25	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
26	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
35	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	8	9	10

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 10 days.

Land Segment	Hypothetical Spill Location																			
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45
25	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	1	1	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.

Table 7. (Continued) 1/ 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																						
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23
2	1	1	n	1	n	1	1	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n
3	1	1	n	1	n	1	n	n	1	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 10 days.

Land Segment	Hypothetical Spill Location																							
	E24	E25	E26	E27	E28	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20
2	n	n	n	n	n	n	n	1	n	n	n	n	1	n	n	n	1	n	1	1	n	n	n	n	1
3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n

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 10 days.

Land Segment	Hypothetical Spill Location																							
	S21	S22	S23	S24	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21
2	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	3	n	1	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	8	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	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
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n
14	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
15	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
16	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
25	n	n	n	n	n	n	n	n	n	n	n	n	1	1	4	10	n	n	n	n	n	1	1	n	1
26	n	n	n	n	n	n	n	1	2	n	1	3	4	4	13	6	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	2	6	12	n	3	24	20	31	13	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	1	2	3	n	1	11	3	12	n	n	n	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	1	2	1	n	n	6	n	4	n	n	n	n	n	n	n	n	n	n	n
30	n	n	n	n	n	n	3	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	n	n	n	n	n	n	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	1	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	7	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	11	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	42	5	n	n	n	17	3	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 10 days.

Land Segment	Hypothetical Spill Location																							
	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46
2	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	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
8	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	9	n	n	n	n	n	n	n	n	n	9	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n
11	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
17	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
18	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
19	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	2	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	2	n	1	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	8	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	25	n	6	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	5	33	n	17	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	18	5	2	18	1	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
26	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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 10 days.

Land Segment	Hypothetical Spill Location																							
	T47	T48	T49	T50	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71
2	n	n	n	1	n	1	n	1	1	n	n	n	n	n	n	n	n	n	4	n	1	n	n	n	1
3	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	14	4	2	n	n	n	n
4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	50	6	n	n	n	n
5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	8	n	n	n	n
6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n
7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2
8	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	4	5
9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	4
10	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
11	n	n	n	n	n	n	n	n	n	1	1	n	n	n	1	n	n	1	n	n	n	n	n	n	n
12	n	n	n	n	3	n	n	n	n	1	1	n	n	n	2	1	n	7	n	n	n	n	n	n	n
13	n	n	n	n	10	n	n	n	n	n	n	n	n	n	n	1	n	18	n	n	n	n	n	n	n
14	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	4	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	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	6	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	3	6	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 10 days.

Land Segment	Hypothetical Spill Location										
	T72	T73	T74	T75	T76	T77	T78	T79	T80	T81	T82
2	n	1	1	n	n	n	n	n	n	n	n
7	n	1	n	n	n	n	n	n	n	n	n
8	n	4	n	1	n	n	n	n	n	n	n
9	n	4	n	n	n	n	n	n	n	n	n
10	n	2	n	5	n	n	n	n	n	n	n
11	n	n	n	10	n	n	1	n	n	n	n
12	n	n	n	n	n	n	4	n	n	n	n
13	n	n	n	n	n	n	14	n	n	n	n
14	n	n	n	n	n	n	7	n	n	n	n
15	n	n	n	n	n	n	2	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 8. -- 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
2	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
3	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
24	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
25	8	5	3	1	n	1	n	1	1	1	1	n	n	n	n	n	n	n	n	3	1	n	n	n	n
26	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
35	4	8	2	19	19	9	7	n	n	n	2	n	1	1	1	n	1	n	2	15	20	29	33	32	31

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 1) within 30 days.

Land Segment	Hypothetical Spill Location																			
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45
2	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	2	1	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	2	4	3	2	3	3	8	12	n	n	n	n	n	n	1	1	6	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 8. (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																					
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23
2	1	1	1	2	1	1	1	1	1	1	1	1	1	n	1	n	n	n	n	n	n	n	n
3	2	2	1	2	1	2	1	1	1	1	1	1	1	n	1	n	n	1	n	n	n	n	n
25	n	n	n	n	n	n	n	n	n	n	n	2	2	n	n	n	n	n	1	1	1	n	n
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	5	9	6	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 1) within 30 days.

Land Segment	Hypothetical Spill Location																								
	E24	E25	E26	E27	E28	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20
2	n	n	n	n	n	1	1	1	1	1	n	n	1	n	n	n	1	n	1	2	n	n	n	n	2
3	n	n	n	n	n	n	n	1	n	1	n	1	1	n	n	n	1	n	1	2	n	1	n	n	3
4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	n	n	n	n	n
8	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	2	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	4	3	3	n	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
35	4	4	3	1	1	1	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 8. (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																							
	S21	S22	S23	S24	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21
2	2	n	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n
3	7	n	2	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	10	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	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	n	n	n
12	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
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n
14	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
15	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
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n
24	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
25	n	n	n	n	n	n	n	1	1	n	1	1	2	1	5	13	n	n	n	n	1	3	4	n	2
26	n	n	n	n	n	n	1	2	3	n	2	4	6	5	14	7	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	1	5	11	15	n	4	27	22	33	13	1	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	3	4	4	n	1	12	3	13	n	n	n	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	1	3	2	n	n	6	n	4	n	n	n	n	n	n	n	n	n	n	n
30	n	n	n	n	n	1	4	9	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	n	n	n	n	n	n	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	1	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	7	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	12	7	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	49	17	8	6	10	31	22	6	9	4	10	9	n	1	2	1	4	2	n	n	5

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) [5-4] 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																							
	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46
2	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n
3	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n
7	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n
8	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	9	n	n	n	n	n	n	n	n	n	10	n	n	n	n	n
10	n	n	n	n	n	n	n	n	1	8	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
17	n	1	n	n	n	1	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	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	2	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	2	n	1	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	8	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	26	n	6	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	6	34	n	18	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	22	7	3	21	4	14	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
26	1	1	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	4	n	6	2	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	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 8. (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																								
	T47	T48	T49	T50	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71
2	n	n	1	1	1	1	1	1	2	1	1	1	n	n	1	1	n	n	4	1	1	n	n	1	1
3	n	n	1	1	n	n	n	2	2	1	n	1	n	n	1	n	n	n	16	6	4	n	n	1	1
4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	51	6	n	n	n	n
5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	8	n	n	n	n
6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	n
7	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3
8	n	n	n	n	n	n	n	n	n	2	1	n	n	n	1	n	n	n	n	n	n	n	n	4	6
9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	4
10	n	n	n	n	n	n	n	n	n	2	1	n	n	n	1	n	n	1	n	n	n	n	n	1	2
11	n	n	n	n	1	n	n	n	n	2	1	n	n	n	2	n	n	2	n	n	n	n	n	n	n
12	n	n	n	n	5	n	n	n	n	1	2	n	n	n	4	2	n	9	n	n	n	n	n	n	n
13	n	n	n	n	12	n	n	n	n	n	n	n	n	n	1	1	n	20	n	n	n	n	n	n	n
14	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	5	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n
16	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	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	6	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	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	7	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
24	n	n	n	1	n	n	n	n	n	n	n	n	1	1	n	n	4	n	n	n	n	n	n	n	n
25	n	n	n	2	1	n	n	n	n	n	1	3	8	9	n	1	3	n	n	n	n	n	n	n	n
26	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
35	n	n	n	n	n	n	n	n	n	n	n	n	3	7	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 8. (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										
	T72	T73	T74	T75	T76	T77	T78	T79	T80	T81	T82
2	1	1	1	1	1	1	n	n	n	n	n
3	1	1	1	1	1	1	n	n	n	n	n
4	1	n	1	n	n	n	n	n	n	n	n
7	n	2	1	1	1	n	n	n	n	n	n
8	n	4	n	2	n	n	n	n	n	n	n
9	n	4	n	1	n	n	n	n	n	n	n
10	n	2	n	6	n	n	1	n	n	n	n
11	n	n	n	11	n	n	2	n	n	n	n
12	n	n	n	1	n	n	5	n	n	n	n
13	n	n	n	n	n	n	16	n	n	n	n
14	n	n	n	n	n	n	7	n	n	n	n
15	n	n	n	n	n	n	3	n	n	n	n
16	n	n	n	n	n	n	1	n	n	n	n
25	n	n	n	n	n	n	n	2	n	n	n
35	n	n	n	n	n	n	n	1	n	2	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 9. -- 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
28	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

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 3 days.

Land Segment	Hypothetical Spill Location																								
	E24	E25	E26	E27	E28	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20
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	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 9. (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																							
	S21	S22	S23	S24	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21
3	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	2	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	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	3	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	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	n	3	n
18	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
25	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	4	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	4	n	1	11	13	21	16	n	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	1	1	n	n	10	1	11	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	1	5	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	n	1	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	5	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
36	n	n	n	n	n	7	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
38	n	n	n	n	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	n	n	n	n	7	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 3 days.

Land Segment	Hypothetical Spill Location																							
	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46
10	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n
18	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
21	n	3	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	5	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	21	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	9	1	n	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	3	28	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	1	n	n	n	2	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 3 days.

Land Segment	Hypothetical Spill Location																							
	T47	T48	T49	T50	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71
3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	n
4	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
5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	47	3	n	n	n	n
6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	24	8	n	n	n	n
9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3
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	1
14	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	5	n	n	n	n	n	n	n
15	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	11	n	n	n	n	n	n	n
16	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
28	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
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n

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 3 days.

Land Segment	Hypothetical Spill Location										
	T72	T73	T74	T75	T76	T77	T78	T79	T80	T81	T82
10	n	2	n	n	n	n	n	n	n	n	n
11	n	4	n	n	n	n	n	n	n	n	n
12	n	1	n	1	n	n	n	n	n	n	n
13	n	n	n	11	n	n	n	n	n	n	n
14	n	n	n	n	n	n	2	n	n	n	n
15	n	n	n	n	n	n	9	n	n	n	n
16	n	n	n	n	n	n	7	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 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
25	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
28	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	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	n	1	2	1	1
38	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	6	6	5
39	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	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 10 days.

Land Segment	Hypothetical Spill Location																			
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45
28	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
38	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n
39	n	n	n	n	n	n	n	n	1	1	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 10 days.

Land Segment	Hypothetical Spill Location																						
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23
3	1	2	1	2	1	1	1	1	1	1	n	n	1	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 10 days.

Land Segment	Hypothetical Spill Location																								
	E24	E25	E26	E27	E28	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20
3	n	n	n	n	n	n	n	1	n	n	n	n	1	n	n	n	1	n	1	1	n	n	n	n	2
4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n

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 10 days.

Land Segment	Hypothetical Spill Location																							
	S21	S22	S23	S24	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21
3	2	n	3	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
4	2	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	9	n	n	5	n	n	n	n	n	n	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	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	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
14	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
15	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
16	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
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n
25	n	n	n	n	n	n	n	n	1	n	1	1	2	2	7	6	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	2	6	13	n	4	25	22	33	20	1	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	2	4	4	n	1	16	3	16	n	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	1	1	4	10	n	n	n	n	n	1	1	n	1
31	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	n	3	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	n	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	1	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	6	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
36	n	n	n	n	n	11	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	n	n	n	n	10	3	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
38	n	n	n	n	18	2	n	n	n	9	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	n	n	n	n	14	n	n	n	n	6	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 10 days.

Land Segment	Hypothetical Spill Location																								
	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46
3	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
9	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n
13	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
18	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
19	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
20	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	4	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	6	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	22	n	5	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	18	5	2	18	1	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
29	5	33	n	17	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	2	n	1	n	3	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 10 days.

Land Segment	Hypothetical Spill Location																								
	T47	T48	T49	T50	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71
3	n	n	n	1	n	1	n	1	2	1	n	n	n	n	n	n	n	n	13	1	1	n	n	1	1
4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	1	n	n	n	n
5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	50	6	n	n	n	n
6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	9	n	n	n	n
7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3
10	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	3	4
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	4
12	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
13	n	n	n	n	n	n	n	n	n	1	1	n	n	n	1	n	n	1	n	n	n	n	n	n	n
14	n	n	n	n	5	n	n	n	n	1	1	n	n	n	2	1	n	10	n	n	n	n	n	n	n
15	n	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	13	n	n	n	n	n	n	n
16	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n
17	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
18	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	5	1	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	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	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	3	6	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	n	n	1	n	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	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 10 days.

Land Segment	Hypothetical Spill Location										
	T72	T73	T74	T75	T76	T77	T78	T79	T80	T81	T82
3	n	1	1	n	1	1	n	n	n	n	n
9	n	1	n	n	n	n	n	n	n	n	n
10	n	3	n	1	n	n	n	n	n	n	n
11	n	4	n	n	n	n	n	n	n	n	n
12	n	2	n	2	n	n	n	n	n	n	n
13	n	n	n	13	n	n	n	n	n	n	n
14	n	n	n	1	n	n	5	n	n	n	n
15	n	n	n	n	n	n	11	n	n	n	n
16	n	n	n	n	n	n	7	n	n	n	n
17	n	n	n	n	n	n	1	n	n	n	n
18	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 11. -- 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
3	1	n	1	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
28	8	5	3	1	n	1	n	1	1	1	1	n	n	n	n	n	n	n	n	3	1	n	n	n	n
29	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
37	1	2	n	4	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	3	4	8	6	4	4
38	2	5	1	11	10	5	3	n	n	n	1	n	n	n	n	n	n	n	1	9	13	17	20	18	15
39	n	1	n	5	7	2	3	n	n	n	n	n	n	n	n	n	n	n	1	3	3	4	7	10	12

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 11. (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																			
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45
3	1	1	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
28	2	1	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n
38	n	n	1	3	2	1	1	2	3	5	n	n	n	n	n	n	n	n	2	1
39	n	n	n	1	n	1	1	1	4	6	n	n	n	n	n	n	n	1	3	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 11. (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																						
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23
3	2	3	2	3	1	2	2	2	2	2	1	2	2	1	1	1	1	1	n	n	n	n	n
4	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	2	2	n	n	n	n	n	1	1	1	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	1
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3	4	3	2
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	3	2	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 11. (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																							
	E24	E25	E26	E27	E28	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20
3	n	n	n	n	n	1	1	1	1	2	n	1	2	n	n	1	2	n	1	3	n	1	n	n	4
4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
5	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1
8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
13	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	4	3	3	n	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
29	n	n	n	n	n	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	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
38	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	1	1	1	1	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 11. (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																							
	S21	S22	S23	S24	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21
3	5	n	3	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n
4	3	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	11	n	n	6	n	n	n	n	n	n	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	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
7	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
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n
16	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
17	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
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	6	n
25	n	n	n	n	n	n	1	1	2	n	1	2	3	3	8	6	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	1	6	12	16	n	5	29	24	35	20	1	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	1	3	6	5	n	1	17	3	17	n	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	1	1	n	1	1	2	1	5	13	n	n	n	n	1	3	4	n	2
29	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
31	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	1	4	9	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	n	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	1	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	6	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
36	n	n	n	n	n	12	8	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	n	n	n	n	12	8	3	3	5	5	9	3	5	2	5	3	n	n	n	n	1	1	n	n	1
38	n	n	n	n	21	7	4	3	4	14	11	2	3	2	4	5	n	n	1	n	2	1	n	n	3
39	n	n	n	n	16	1	1	n	1	12	3	n	1	n	1	1	n	n	1	n	1	1	n	n	1

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

Table 11. (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																							
	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46
3	n	n	n	n	n	n	n	1	2	1	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n
8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n
10	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n
11	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	9	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n
13	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
14	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
18	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	4	n	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	6	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	23	n	6	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	1	1	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	22	7	3	21	4	14	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
29	6	34	n	18	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	2	n	1	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	1	n	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
38	3	n	3	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
39	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1

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

Table 11. (Continued) ½/ 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																								
	T47	T48	T49	T50	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71
3	n	n	1	2	1	1	1	2	3	2	1	1	n	n	1	1	1	1	15	2	3	n	n	1	2
4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	1	n	n	n	n
5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	51	7	n	n	n	1
6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	26	9	n	n	n	n
7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n
8	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
9	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	3	4
10	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	4	5
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	4
12	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1
13	n	n	n	n	1	n	n	n	n	2	1	n	n	n	2	n	n	2	n	n	n	n	n	n	1
14	n	n	n	1	7	n	n	n	n	2	2	n	n	n	4	2	n	13	n	n	n	n	n	n	n
15	n	n	n	n	9	n	n	n	n	n	n	n	n	n	n	1	n	14	n	n	n	n	n	n	n
16	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n
17	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
18	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	1	6	1	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
25	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
28	n	n	n	2	1	n	n	n	n	n	1	3	8	9	n	1	3	n	n	n	n	n	n	n	n
29	n	n	n	1	n	n	n	n	n	n	n	n	1	1	n	n	4	n	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n
38	n	n	n	n	n	n	n	n	n	n	n	n	2	4	n	n	n	n	n	n	n	n	n	n	n
39	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

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 11. (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										
	T72	T73	T74	T75	T76	T77	T78	T79	T80	T81	T82
3	2	2	2	2	2	2	1	n	n	n	n
4	n	n	n	n	1	n	n	n	n	n	n
5	1	n	1	n	n	n	n	n	n	n	n
8	n	1	n	n	n	n	n	n	n	n	n
9	n	2	1	1	n	n	n	n	n	n	n
10	n	4	n	2	n	n	n	n	n	n	n
11	n	4	n	n	n	n	n	n	n	n	n
12	n	2	n	3	n	n	1	n	n	n	n
13	n	n	n	13	n	n	1	n	n	n	n
14	n	n	n	1	n	n	8	n	n	n	n
15	n	n	n	n	n	n	12	n	n	n	n
16	n	n	n	n	n	n	7	n	n	n	n
17	n	n	n	n	n	n	1	n	n	n	n
18	n	n	n	n	n	n	1	n	n	n	n
28	n	n	n	n	n	n	n	?	n	n	n
38	n	n	n	n	n	n	n	n	n	1	n
39	n	n	n	n	n	n	n	n	n	1	1

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

Table 12. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, proposed lease offering (mean estimate), vs. proposed lease offering (high estimate) vs. existing leases and imports. Probabilities are for spills 1,000 barrels and greater.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop. mean		prop. high		exist. imports		prop. mean		prop. high		exist. imports		prop. mean		prop. high		exist. imports	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	n	0.0	1	0.0	52	0.7	1	0.0	2	0.0	78	1.5	4	0.0	5	0.0	89	2.3
Coastal waterbirds	n	0.0	1	0.0	25	0.3	1	0.0	1	0.0	43	0.6	1	0.0	2	0.0	55	0.8
Sea Duck Wintering	2	0.0	3	0.0	65	1.0	3	0.0	4	0.0	75	1.4	4	0.0	5	0.0	80	1.6
Osprey Nesting Areas	n	0.0	n	0.0	7	0.1	n	0.0	n	0.0	15	0.2	n	0.0	n	0.0	22	0.2
Bald Eagle Nesting	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	4	0.0
Peregr. Falc. Nest.	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	5	0.0
Peregr. Falc. Migr.	n	0.0	n	0.0	14	0.1	n	0.0	n	0.0	26	0.3	n	0.0	n	0.0	35	0.4
Loggerhead Turtle	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0
Grey Seal Rookeries	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	5	0.0
Oyster Grounds	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	7	0.1
Blue Crab Grounds	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0
Inshore Lobster	n	0.0	n	0.0	19	0.2	n	0.0	n	0.0	27	0.3	n	0.0	n	0.0	30	0.4
Harbor Seal Rook.	n	0.0	n	0.0	8	0.1	n	0.0	n	0.0	11	0.1	n	0.0	n	0.0	12	0.1
Coastal Marshes	n	0.0	n	0.0	17	0.2	n	0.0	1	0.0	24	0.3	1	0.0	1	0.0	30	0.4
Natl. Wldlfe. Refug.	n	0.0	n	0.0	11	0.1	n	0.0	n	0.0	23	0.3	n	0.0	n	0.0	34	0.4
St. Wldlf. & Nt. Ar.	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	6	0.1	n	0.0	n	0.0	8	0.1
State Marine Sanc.	n	0.0	n	0.0	28	0.3	n	0.0	n	0.0	40	0.5	1	0.0	2	0.0	50	0.7
Nongov. Wldlf. & Nt.	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	6	0.1
Maj. Right Whale Fd.	n	0.0	n	0.0	11	0.1	n	0.0	n	0.0	15	0.2	n	0.0	n	0.0	17	0.2
Georges Bank Crest	5	0.1	7	0.1	14	0.1	7	0.1	10	0.1	45	0.6	9	0.1	13	0.1	68	1.1
Gulf Strm. Bd. Sg. 1	n	0.0	n	0.0	30	1.6	n	0.0	n	0.0	97	3.7	2	0.0	3	0.0	**	5.8
Gulf Strm. Bd. Sg. 2	n	0.0	n	0.0	8	0.1	n	0.0	n	0.0	41	0.5	1	0.0	1	0.0	95	3.1
Gulf Strm. Bd. Sg. 3	n	0.0	n	0.0	5	0.0	n	0.0	n	0.0	16	0.2	1	0.0	1	0.0	76	1.4
Gulf Strm. Bd. Sg. 4	n	0.0	n	0.0	10	0.1	1	0.0	1	0.0	31	0.4	3	0.0	4	0.0	85	1.9
Stellwagen Bank	n	0.0	n	0.0	16	0.2	n	0.0	n	0.0	18	0.2	n	0.0	n	0.0	19	0.2
Nantucket Shoals	n	0.0	1	0.0	40	0.5	1	0.0	2	0.0	52	0.7	2	0.0	3	0.0	63	1.0
SE Georges Bank	2	0.0	2	0.0	12	0.1	3	0.0	4	0.0	19	0.2	4	0.0	5	0.1	32	0.4
Mj. Hmp./Fn. Whl. Fd	n	0.0	n	0.0	20	0.2	1	0.0	1	0.0	26	0.3	1	0.0	1	0.0	33	0.4
Hard Clam Grounds	n	0.0	n	0.0	12	0.1	n	0.0	1	0.0	23	0.3	1	0.0	1	0.0	32	0.4
Soft Clam Grounds	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	5	0.1	n	0.0	n	0.0	7	0.1

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

Table 13. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, proposed lease offering (mean estimate) fifty mile deletion alternative, vs. proposed lease offering (mean estimate) sixty meter deletion alternative, vs. proposed lease offering (mean estimate) Canyon deletion alternative.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop. mean 50 mile		prop. mean 60 meter		prop. mean Canyon		prop. mean 50 mile		prop. mean 60 meter		prop. mean Canyon		prop. mean 50 mile		prop. mean 60 meter		prop. mean Canyon	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0
Coastal Waterbirds	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Sea Duck Wintering	1	0.0	2	0.0	2	0.0	2	0.0	3	0.0	2	0.0	3	0.0	3	0.0	3	0.0
Osprey Nesting Areas	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Bald Eagle Nesting	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Pereg. Falc. Nest.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Pereg. Falc. Migr.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Loggerhead Turtle	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Grey Seal Rookeries	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Oyster Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Blue Crab Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Inshore Lobster	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Harbor Seal Rook.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Coastal Marshes	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Natl. Wldlfe. Refug.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
St. Wldlf. & Nt. Ar.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
State Marine Sanc.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Nongov. Wldlf. & Nt.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Maj. Right Whale Fd.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Georges Bank Crest	5	0.1	2	0.0	5	0.0	7	0.1	4	0.0	6	0.1	8	0.1	6	0.1	8	0.1
Gulf Strm. Bd. Sg. 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0	1	0.0
Gulf Strm. Bd. Sg. 2	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Gulf Strm. Bd. Sg. 3	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Gulf Strm. Bd. Sg. 4	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0
Stellwagen Bank	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Nantucket Shoals	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
SE Georges Bank	2	0.0	1	0.0	1	0.0	3	0.0	2	0.0	2	0.0	4	0.0	3	0.0	3	0.0
Mj. Hmp./Fn. Whl. Fd	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Hard Clam Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Soft Clam Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table 14. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, proposed lease offering (high estimate) fifty mile deletion alternative, vs. proposed lease offering (high estimate) sixty meter deletion alternative, vs. proposed lease offering (high estimate) Canyon deletion alternative. Probabilities are for spills 1,000 barrels and greater.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop. high 50 mile		prop. high 60 meter		prop. high Canyon		prop. high 50 mile		prop. high 60 meter		prop. high Canyon		prop. high 50 mile		prop. high 60 meter		prop. high Canyon	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	4	0.0	4	0.0	4	0.0
Coastal Waterbirds	n	0.0	1	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Sea Duck Wintering	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0
Osprey Nesting Areas	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Bald Eagle Nesting	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Pereg. Falc. Nest.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Pereg. Falc. Migr.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Loggerhead Turtle	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Grey Seal Rookeries	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Oyster Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Blue Crab Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Inshore Lobster	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Harbor Seal Rook.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Coastal Marshes	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Natl. Wldlfe. Refug.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
St. Wldlf. & Nt. Ar.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
State Marine Sanc.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Nongov. Wldlf. & Nt.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Maj. Right Whale Fd.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Georges Bank Crest	7	0.1	3	0.0	6	0.1	9	0.1	6	0.1	9	0.1	12	0.1	8	0.1	11	0.1
Gulf Strm. Bd. Sg. 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0	2	0.0
Gulf Strm. Bd. Sg. 2	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Gulf Strm. Bd. Sg. 3	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Gulf Strm. Bd. Sg. 4	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	4	0.0	4	0.0	4	0.0
Stellwagen Bank	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Nantucket Shoals	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	1	0.0	2	0.0	3	0.0	3	0.0
SE Georges Bank	2	0.0	2	0.0	2	0.0	4	0.0	3	0.0	3	0.0	5	0.1	4	0.0	5	0.0
Mj. Hmp./Fn. Whl. Fd	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Hard Clam Grounds	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Soft Clam Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table 15. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, existing leases and imports, vs. proposed lease offering (mean estimate) existing leases, and imports, vs. proposed lease offering (high estimate) existing leases, and imports. Probabilities are for spills 1,000 barrels and greater.

Target	Within 3 days						Within 10 days						Within 30 days					
	exist. imports		prop. mean ex. imp.		prop. high ex. imp.		exist. imports		prop. mean ex. imp.		prop. high ex. imp.		exist. imports		prop. mean ex. imp.		prop. high ex. imp.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	52	0.7	52	0.7	52	0.7	78	1.5	78	1.5	78	1.5	89	2.3	90	2.3	90	2.3
Coastal Waterbirds	25	0.3	26	0.3	26	0.3	43	0.6	43	0.6	43	0.6	55	0.8	55	0.8	55	0.8
Sea Duck Wintering	65	1.0	65	1.1	66	1.1	75	1.4	75	1.4	76	1.4	80	1.6	81	1.7	81	1.7
Osprey Nesting Areas	7	0.1	7	0.1	7	0.1	15	0.2	15	0.2	15	0.2	22	0.2	22	0.2	22	0.2
Bald Eagle Nesting	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0
Pereg. Falc. Nest.	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	5	0.0	5	0.0	5	0.0
Pereg. Falc. Migr.	14	0.1	14	0.1	14	0.1	26	0.3	26	0.3	26	0.3	35	0.4	35	0.4	35	0.4
Loggerhead Turtle	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
Grey Seal Rookeries	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	5	0.0	5	0.0	5	0.0
Oyster Grounds	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0	7	0.1	7	0.1	7	0.1
Blue Crab Grounds	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
Inshore Lobster	19	0.2	19	0.2	19	0.2	27	0.3	27	0.3	27	0.3	30	0.4	30	0.4	30	0.4
Harbor Seal Rook.	8	0.1	8	0.1	8	0.1	11	0.1	11	0.1	11	0.1	12	0.1	12	0.1	12	0.1
Coastal Marshes	17	0.2	17	0.2	17	0.2	24	0.3	25	0.3	25	0.3	30	0.4	30	0.4	31	0.4
Natl. Wldlfe. Refug.	11	0.1	11	0.1	11	0.1	23	0.3	24	0.3	24	0.3	34	0.4	34	0.4	35	0.4
St. Wldlf. & Nt. Ar.	4	0.0	4	0.0	4	0.0	6	0.1	6	0.1	6	0.1	8	0.1	8	0.1	8	0.1
State Marine Sanc.	28	0.3	28	0.3	28	0.3	40	0.5	40	0.5	40	0.5	50	0.7	51	0.7	51	0.7
Nongov. Wldlf. & Nt.	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	6	0.1	6	0.1	6	0.1
Maj. Right Whale Fd.	11	0.1	11	0.1	11	0.1	15	0.2	15	0.2	15	0.2	17	0.2	18	0.2	18	0.2
Georges Bank Crest	14	0.1	18	0.2	20	0.2	45	0.6	49	0.7	51	0.7	68	1.1	71	1.2	72	1.3
Gulf Strm. Bd. Sg. 1	80	1.6	80	1.6	80	1.6	97	3.7	97	3.7	97	3.7	**	5.8	**	5.8	**	5.8
Gulf Strm. Bd. Sg. 2	8	0.1	8	0.1	8	0.1	41	0.5	41	0.5	41	0.5	95	3.1	95	3.1	95	3.1
Gulf Strm. Bd. Sg. 3	5	0.0	5	0.0	5	0.0	16	0.2	16	0.2	16	0.2	76	1.4	76	1.4	76	1.4
Gulf Strm. Bd. Sg. 4	10	0.1	10	0.1	10	0.1	31	0.4	32	0.4	32	0.4	85	1.9	85	1.9	86	1.9
Stellwagen Bank	16	0.2	16	0.2	16	0.2	18	0.2	18	0.2	18	0.2	19	0.2	19	0.2	19	0.2
Nantucket Shoals	40	0.5	41	0.5	41	0.5	52	0.7	53	0.8	53	0.8	63	1.0	64	1.0	64	1.0
SE Georges Bank	12	0.1	14	0.1	14	0.2	19	0.2	21	0.2	22	0.3	32	0.4	35	0.4	36	0.4
Mj. Hmp./Fn. Whl. Fd	20	0.2	20	0.2	20	0.2	26	0.3	26	0.3	26	0.3	33	0.4	34	0.4	34	0.4
Hard Clam Grounds	12	0.1	12	0.1	12	0.1	23	0.3	24	0.3	24	0.3	32	0.4	33	0.4	33	0.4
Soft Clam Grounds	2	0.0	2	0.0	2	0.0	5	0.1	5	0.1	5	0.1	7	0.1	7	0.1	7	0.1

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

Table 16. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, proposed lease offering (mean estimate), vs. proposed lease offering (mean estimate) New York deletion alternative, vs. proposed lease offering (high estimate) New York deletion alternative. Probabilities are for spills 1,000 barrels and greater.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop. mean		prop. mean N. Y.		prop. high N. Y.		prop. mean		prop. mean N. Y.		prop. high N. Y.		prop. mean		prop. mean N. Y.		prop. high N. Y.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	4	0.0	3	0.0	5	0.0
Coastal Waterbirds	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Sea Duck Wintering	2	0.0	2	0.0	2	0.0	3	0.0	2	0.0	3	0.0	4	0.0	3	0.0	4	0.0
Osprey Nesting Areas	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Bald Eagle Nesting	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Peregr. Falc. Nest.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Peregr. Falc. Migr.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Loggerhead Turtle	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Grey Seal Rookeries	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Oyster Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Blue Crab Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Inshore Lobster	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Harbor Seal Rook.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Coastal Marshes	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Natl. Wldlfe. Refug.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
St. Wldlf. & Nt. Ar.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
State Marine Sanc.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Nongov. wldlf. & Nt.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Maj. Right Whale Fd.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Georges Bank Crest	5	0.1	5	0.1	7	0.1	7	0.1	7	0.1	10	0.1	9	0.1	9	0.1	12	0.1
Gulf Strm. Bd. Sg. 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0	2	0.0
Gulf Strm. Bd. Sg. 2	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Gulf Strm. Bd. Sg. 3	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Gulf Strm. Bd. Sg. 4	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	4	0.0
Stellwagen Bank	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Nantucket Shoals	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	3	0.0
St Georges Bank	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0	5	0.1
Mj. Amp./Fn. Whl. Fd	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Hard Clam Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Soft Clam Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table 17. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, proposed lease offering (mean estimate), vs. proposed lease offering (high estimate) vs. existing leases and imports. Probabilities are for spills 10,000 barrels and greater.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop. mean		prop. high		exist. imports		prop. mean		prop. high		exist. imports		prop. mean		prop. high		exist. imports	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	n	0.0	n	0.0	33	0.4	1	0.0	1	0.0	56	0.8	2	0.0	2	0.0	71	1.2
Coastal Waterbirds	n	0.0	n	0.0	14	0.2	n	0.0	1	0.0	26	0.3	1	0.0	1	0.0	35	0.4
Sea Duck Wintering	1	0.0	1	0.0	44	0.6	1	0.0	2	0.0	53	0.8	2	0.0	2	0.0	59	0.9
Osprey Nesting Areas	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	9	0.1	n	0.0	n	0.0	13	0.1
Bald Eagle Nesting	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	2	0.0
Pereg. Falc. Nest.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	2	0.0
Pereg. Falc. Migr.	n	0.0	n	0.0	3	0.1	n	0.0	n	0.0	15	0.2	n	0.0	n	0.0	21	0.2
Loggerhead Turtle	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
Grey Seal Rookeries	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0
Oyster Grounds	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	4	0.0
Blue Crab Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
Inshore Lobster	n	0.0	n	0.0	11	0.1	n	0.0	n	0.0	16	0.2	n	0.0	n	0.0	18	0.2
Harbor Seal Rook.	n	0.0	n	0.0	5	0.0	n	0.0	n	0.0	6	0.1	n	0.0	n	0.0	7	0.1
Coastal Marshes	n	0.0	n	0.0	10	0.1	n	0.0	n	0.0	14	0.2	n	0.0	n	0.0	18	0.2
Natl. Wldlfe. Refug.	n	0.0	n	0.0	6	0.1	n	0.0	n	0.0	13	0.1	n	0.0	n	0.0	20	0.2
St. Wldlf. & Nt. Ar.	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	4	0.0
State Marine Sanc.	n	0.0	n	0.0	16	0.2	n	0.0	n	0.0	25	0.3	1	0.0	1	0.0	32	0.4
Nongov. Wldlf. & Nt.	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0
Maj. Right Whale Fd.	n	0.0	n	0.0	7	0.1	n	0.0	n	0.0	3	0.1	n	0.0	n	0.0	10	0.1
Georges Bank Crest	2	0.0	3	0.0	3	0.1	3	0.0	5	0.0	29	0.3	5	0.0	6	0.1	47	0.6
Gulf Strm. Bd. Sg. 1	n	0.0	n	0.0	59	0.9	n	0.0	n	0.0	87	2.0	1	0.0	1	0.0	96	3.2
Gulf Strm. Bd. Sg. 2	n	0.0	n	0.0	5	0.0	n	0.0	n	0.0	25	0.3	n	0.0	1	0.0	81	1.7
Gulf Strm. Bd. Sg. 3	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	9	0.1	n	0.0	1	0.0	54	0.8
Gulf Strm. Bd. Sg. 4	n	0.0	n	0.0	6	0.1	n	0.0	1	0.0	19	0.2	2	0.0	2	0.0	65	1.0
Stellwagen Bank	n	0.0	n	0.0	9	0.1	n	0.0	n	0.0	11	0.1	n	0.0	n	0.0	11	0.1
Nantucket Shoals	n	0.0	n	0.0	25	0.3	1	0.0	1	0.0	34	0.4	1	0.0	2	0.0	42	0.6
SE Georges Bank	1	0.0	1	0.0	7	0.1	1	0.0	2	0.0	11	0.1	2	0.0	3	0.0	19	0.2
Mj. Hmp./Fn. Whl. Fd	n	0.0	n	0.0	11	0.1	n	0.0	n	0.0	15	0.2	1	0.0	1	0.0	20	0.2
Hard Clam Grounds	n	0.0	n	0.0	7	0.1	n	0.0	n	0.0	14	0.1	n	0.0	1	0.0	19	0.2
Soft Clam Grounds	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	4	0.0

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

Table 18. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, proposed lease offering (mean estimate) fifty mile deletion alternative, vs. proposed lease offering (mean estimate) sixty meter deletion alternative, vs. proposed lease offering (mean estimate) Canyon deletion alternative. Probabilities are spills 10,000 barrels and greater.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop. mean 50 mile		prop. mean 60 meter		prop. mean Canyon		prop. mean 50 mile		prop. mean 60 meter		prop. mean Canyon		prop. mean 50 mile		prop. mean 60 meter		prop. mean Canyon	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
Coastal Waterbirds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Sea Duck Wintering	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0
Osprey Nesting Areas	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Bald Eagle Nesting	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Pereg. Falc. Nest.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Pereg. Falc. Migr.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Loggerhead Turtle	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Grey Seal Rookeries	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Oyster Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Blue Crab Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Inshore Lobster	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Harbor Seal Rook.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Coastal Marshes	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Natl. Wldlfe. Refug.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
St. Wldlf. & Nt. Ar.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
State Marine Sanc.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0
Nongov. Wldlf. & Nt.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Maj. Right Whale Fd.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Georges Bank Crest	2	0.0	1	0.0	2	0.0	3	0.0	2	0.0	3	0.0	4	0.0	3	0.0	4	0.0
Gulf Strm. Bd. Sg. 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Gulf Strm. Bd. Sg. 2	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Gulf Strm. Bd. Sg. 3	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Gulf Strm. Bd. Sg. 4	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Stellwagen Bank	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Nantucket Shoals	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
SE Georges Bank	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	1	0.0	2	0.0
Mj. Hmp./Fn. Whl. Fd	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Hard Clam Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Soft Clam Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table 19. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, proposed lease offering (high estimate) fifty mile deletion alternative, vs. proposed lease offering (high estimate) sixty meter deletion alternative, vs. proposed lease offering (high estimate) Canyon deletion alternative. Probabilities are for spills 10,000 barrels and greater.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop. high 50 mile		prop. high 60 meter		prop. high Canyon		prop. high 50 mile		prop. high 60 meter		prop. high Canyon		prop. high 50 mile		prop. high 60 meter		prop. high Canyon	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
Coastal waterbirds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Sea Duck wintering	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
Osprey Nesting Areas	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Bald Eagle Nesting	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Perey. Falc. Nest.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Perey. Falc. Migr.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Loggerhead Turtle	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Grey Seal Rookeries	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Oyster Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Blue Crab Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Inshore Lobster	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Harbor Seal Rook.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Coastal Marshes	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Natl. Wldlfe. Refug.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
St. Wldlf. & Nt. Ar.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
State Marine Sanc.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Nongov. wldlf. & Nt.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Maj. Rignt Whale Fd.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Georges Bank Crest	3	0.0	1	0.0	3	0.0	4	0.0	3	0.0	4	0.0	6	0.1	4	0.0	5	0.1
Gulf Strm. Bd. Sg. 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Gulf Strm. Bd. Sg. 2	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Gulf Strm. Bd. Sg. 3	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Gulf Strm. Bd. Sg. 4	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	2	0.0	2	0.0	2	0.0
Stellwagen Bank	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Nantucket Shoals	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	1	0.0
SE Georges Bank	1	0.0	1	0.0	1	0.0	2	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0
Mj. Rmp./Fn. Whl. Fd	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Hard Clam Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Soft Clam Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table 20. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, existing lease and imports, vs. proposed lease offering (mean estimate) existing leases, and imports, vs. proposed lease offering (high estimate) existing leases, and imports. Probabilities are for spills 10,000 barrels and greater.

Target	Within 3 days						Within 10 days						Within 30 days					
	exist. imports		prop. mean ex. imp.		prop. high ex. imp.		exist. imports		prop. mean ex. imp.		prop. high ex. imp.		exist. imports		prop. mean ex. imp.		prop. high ex. imp.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	33	0.4	33	0.4	33	0.4	56	0.8	56	0.8	56	0.8	71	1.2	71	1.3	72	1.3
Coastal Waterbirds	14	0.2	15	0.2	15	0.2	26	0.3	26	0.3	26	0.3	35	0.4	35	0.4	35	0.4
Sea Duck Wintering	44	0.6	44	0.6	45	0.6	53	0.8	54	0.8	54	0.8	59	0.9	60	0.9	60	0.9
Osprey Nesting Areas	4	0.0	4	0.0	4	0.0	9	0.1	9	0.1	9	0.1	13	0.1	13	0.1	13	0.1
Bald Eagle Nesting	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
Pereg. Falc. Nest.	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0
Pereg. Falc. Migr.	8	0.1	8	0.1	8	0.1	15	0.2	16	0.2	16	0.2	21	0.2	21	0.2	21	0.2
Loggernead Turtle	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Grey Seal Rookeries	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0
Oyster Grounds	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0
Blue Crab Grounds	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Inshore Lobster	11	0.1	11	0.1	11	0.1	16	0.2	16	0.2	16	0.2	18	0.2	18	0.2	18	0.2
Harbor Seal Rook.	5	0.0	5	0.0	5	0.0	6	0.1	6	0.1	6	0.1	7	0.1	7	0.1	7	0.1
Coastal Marshes	10	0.1	10	0.1	10	0.1	14	0.2	14	0.2	14	0.2	13	0.2	18	0.2	18	0.2
Natl. Wldlfe. Refug.	6	0.1	6	0.1	6	0.1	13	0.1	13	0.1	13	0.1	20	0.2	20	0.2	20	0.2
St. Wldlf. & Nt. Ar.	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0
State Marine Sanc.	16	0.2	16	0.2	16	0.2	25	0.3	25	0.3	25	0.3	32	0.4	32	0.4	32	0.4
Nongov. Wldlf. & Nt.	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0
Maj. Right Whale Fd.	7	0.1	7	0.1	7	0.1	8	0.1	8	0.1	8	0.1	10	0.1	10	0.1	10	0.1
Georges Bank Crest	8	0.1	10	0.1	11	0.1	29	0.3	31	0.4	32	0.4	47	0.6	49	0.7	50	0.7
Gulf Strm. Bd. Sg. 1	59	0.9	59	0.9	59	0.9	87	2.0	87	2.0	87	2.0	96	3.2	96	3.2	96	3.2
Gulf Strm. Bd. Sg. 2	5	0.0	5	0.0	5	0.0	25	0.3	25	0.3	25	0.3	81	1.7	81	1.7	81	1.7
Gulf Strm. Bd. Sg. 3	3	0.0	3	0.0	3	0.0	9	0.1	9	0.1	9	0.1	54	0.8	54	0.8	54	0.8
Gulf Strm. Bd. Sg. 4	6	0.1	6	0.1	6	0.1	19	0.2	19	0.2	19	0.2	65	1.0	65	1.1	65	1.1
Stellwagen Bank	9	0.1	9	0.1	9	0.1	11	0.1	11	0.1	11	0.1	11	0.1	11	0.1	11	0.1
Nantucket Shoals	25	0.3	25	0.3	25	0.3	34	0.4	34	0.4	34	0.4	42	0.6	43	0.6	43	0.6
SE Georges Bank	7	0.1	8	0.1	8	0.1	11	0.1	12	0.1	13	0.1	19	0.2	21	0.2	22	0.2
Mj. Hmp./Fn. Whl. Fd	11	0.1	12	0.1	12	0.1	15	0.2	16	0.2	16	0.2	20	0.2	20	0.2	21	0.2
Hard Clam Grounds	7	0.1	7	0.1	7	0.1	14	0.1	14	0.1	14	0.1	19	0.2	19	0.2	19	0.2
Soft Clam Grounds	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0

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

Table 21. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, propose lease offering (mean estimate), vs. proposed lease offering (mean estimate) New York deletion alternative, vs. proposed lease offering (high estimate) New York deletion alternative. Probilities are for spills 10,000 barrels and greater.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop. mean		prop. mean N. Y.		prop. high N. Y.		prop. mean		prop. mean N. Y.		prop. high N. Y.		prop. mean		prop. mean N. Y.		prop. high N. Y.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
Coastal Waterbirds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Sea Duck Wintering	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0
Osprey Nesting Areas	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Bald Eagle Nesting	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Perey. Falc. Nest.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Perey. Falc. Migr.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Loggerhead Turtle	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Grey Seal Rookeries	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Oyster Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Blue Crab Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Inshore Lobster	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Harbor Seal Rook.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Coastal Marshes	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Natl. wldlfe. Refug.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
St. wldlf. & Nt. Ar.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
State Marine Sanc.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Nongov. wlulf. & Nt.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Maj. Right Whale Fd.	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Georges Bank Crest	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	5	0.0	5	0.0	4	0.0	6	0.1
Gulf Strm. Bd. Sg. 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Gulf Strm. Bd. Sg. 2	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
Gulf Strm. Bd. Sg. 3	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
Gulf Strm. Bd. Sg. 4	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	2	0.0	1	0.0	2	0.0
Stellwagen Bank	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Nantucket Shoals	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
SE Georges Bank	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	3	0.0
Mj. Hmp./Fn. Whl. Fd	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Haro Clam Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
Soft Clam Grounds	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table 22. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 1) over the expected production life of the lease area, proposed lease offering (mean estimate), vs. lease offering (high estimate) vs. existing leases and imports. Probabilities are for spills 1,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	prop. mean		prop. high		exist. imports		prop. mean		prop. high		exist. imports		prop. mean		prop. high		exist. imports	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
2	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	8	0.1	n	0.0	n	0.0	13	0.1
3	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	6	0.1	n	0.0	n	0.0	12	0.1
4	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	4	0.0
5	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
6	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0
7	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	7	0.1	n	0.0	n	0.0	11	0.1
8	n	0.0	n	0.0	7	0.1	n	0.0	n	0.0	14	0.1	n	0.0	n	0.0	17	0.2
9	n	0.0	n	0.0	11	0.1	n	0.0	n	0.0	13	0.1	n	0.0	n	0.0	13	0.1
10	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	5	0.1	n	0.0	n	0.0	7	0.1
11	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	5	0.1	n	0.0	n	0.0	7	0.1
12	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	5	0.0	n	0.0	n	0.0	7	0.1
13	n	0.0	n	0.0	8	0.1	n	0.0	n	0.0	11	0.1	n	0.0	n	0.0	12	0.1
15	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	4	0.0
16	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
17	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
20	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
21	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	2	0.0
22	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
23	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0
24	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	6	0.1
25	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	9	0.1	n	0.0	1	0.0	17	0.2
26	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	5	0.0	n	0.0	n	0.0	6	0.1
27	n	0.0	n	0.0	5	0.1	n	0.0	n	0.0	9	0.1	n	0.0	n	0.0	10	0.1
28	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	3	0.0
29	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
30	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
32	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
33	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	4	0.0
34	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	5	0.0	n	0.0	n	0.0	5	0.1
35	n	0.0	n	0.0	7	0.1	n	0.0	n	0.0	17	0.2	1	0.0	2	0.0	34	0.4

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

Table 23. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 1) over the expected production life of the lease area, proposed lease offering (mean estimate) fifty mile deletion alternative, vs. proposed lease offering (mean estimate) sixty meter deletion alternative, vs. proposed lease offering (mean estimate) Canyon deletion alternative. Propabilities are for spills 1,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	prop. mean 50 mile		prop. mean 60 meter		prop. mean Canyon		prop. mean 50 mile		prop. mean 60 meter		prop. mean Canyon		prop. mean 50 mile		prop. mean 60 meter		prop. mean Canyon	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
35	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0

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

Table 24. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 1) over the expected production life of the lease area, proposed lease offering (high estimate) fifty mile deletion alternative, vs. proposed lease offering (high estimate) sixty meter deletion alternative, vs. proposed lease offering (high estimate) Canyon deletion alternative. Probabilities are for spills 1,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	prop. high 50 mile		prop. high 60 meter		prop. high Canyon		prop. high 50 mile		prop. high 60 meter		prop. high Canyon		prop. high 50 mile		prop. high 60 meter		prop. high Canyon	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
25	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0
35	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	1	0.0	2	0.0

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

Table 25. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 1) over the expected production life of the lease area, existing leases and imports, vs. proposed lease offering (mean estimate) existing leases, and imports, vs. proposed lease offering (high estimate) existing leases, and imports. Probabilities are for spills 1,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	exist. imports		prop. mean ex. imp.		prop. high ex. imp.		exist. imports		prop. mean ex. imp.		prop. high ex. imp.		exist. imports		prop. mean ex. imp.		prop. high ex. imp.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
2	2	0.0	2	0.0	2	0.0	8	0.1	8	0.1	8	0.1	13	0.1	13	0.1	13	0.1
3	1	0.0	1	0.0	1	0.0	6	0.1	6	0.1	6	0.1	12	0.1	12	0.1	12	0.1
4	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0
5	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
6	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0
7	1	0.0	1	0.0	1	0.0	7	0.1	7	0.1	7	0.1	11	0.1	11	0.1	11	0.1
8	7	0.1	7	0.1	7	0.1	14	0.1	14	0.1	14	0.1	17	0.2	17	0.2	17	0.2
9	11	0.1	11	0.1	11	0.1	13	0.1	13	0.1	13	0.1	13	0.1	13	0.1	13	0.1
10	3	0.0	3	0.0	3	0.0	5	0.1	6	0.1	6	0.1	7	0.1	7	0.1	7	0.1
11	3	0.0	3	0.0	3	0.0	5	0.1	5	0.1	5	0.1	7	0.1	7	0.1	7	0.1
12	1	0.0	1	0.0	1	0.0	5	0.0	5	0.0	5	0.0	7	0.1	7	0.1	7	0.1
13	8	0.1	8	0.1	8	0.1	11	0.1	11	0.1	11	0.1	12	0.1	13	0.1	13	0.1
15	1	0.0	1	0.0	2	0.0	4	0.0	4	0.0	4	0.0	4	0.0	5	0.0	5	0.0
16	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
17	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
20	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
21	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
22	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
23	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
24	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0	6	0.1	6	0.1	6	0.1
25	3	0.0	3	0.0	3	0.0	9	0.1	9	0.1	10	0.1	17	0.2	17	0.2	17	0.2
26	2	0.0	2	0.0	2	0.0	5	0.0	5	0.0	5	0.0	6	0.1	6	0.1	6	0.1
27	5	0.1	5	0.1	5	0.1	9	0.1	9	0.1	9	0.1	10	0.1	10	0.1	10	0.1
28	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0
29	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
30	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
32	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
33	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0	4	0.0	4	0.0	4	0.0
34	3	0.0	3	0.0	3	0.0	5	0.0	5	0.0	5	0.0	5	0.1	5	0.1	5	0.1
35	7	0.1	7	0.1	7	0.1	17	0.2	17	0.2	17	0.2	34	0.4	35	0.4	35	0.4

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

Table 26. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 1) over the expected production life of the lease area, proposed lease offering (mean estimate), vs. proposed lease offering (mean estimate) New York deletion alternative, vs. proposed lease offering (high estimate) New York deletion alternative. Probabilities are spills 1,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	prop. mean		prop. mean N. Y.		prop. high N. Y.		prop. mean		prop. mean N. Y.		prop. high N. Y.		prop. mean		prop. mean N. Y.		prop. high N. Y.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
25	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
35	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	2	0.0

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

Table 27. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 1) over the expected production life of the lease area, proposed lease offering (mean estimate), vs. proposed lease offering (high estimate) vs. existing leases and imports. Probabilities are for spills 10,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	prop. mean		prop. high		exist. imports		prop. mean		prop. high		exist. imports		prop. mean		prop. high		exist. imports	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
2	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	5	0.0	n	0.0	n	0.0	7	0.1
3	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	7	0.1
4	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0
6	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0
7	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	6	0.1
8	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	8	0.1	n	0.0	n	0.0	10	0.1
9	n	0.0	n	0.0	6	0.1	n	0.0	n	0.0	7	0.1	n	0.0	n	0.0	7	0.1
10	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	4	0.0
11	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	3	0.0
12	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	4	0.0
13	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	6	0.1	n	0.0	n	0.0	7	0.1
15	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	2	0.0
16	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
17	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
21	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
23	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
24	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	4	0.0
25	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	5	0.1	n	0.0	n	0.0	10	0.1
26	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	4	0.0
27	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	5	0.0	n	0.0	n	0.0	6	0.1
28	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0
29	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
30	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
33	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	2	0.0
34	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	3	0.0
35	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	10	0.1	1	0.0	1	0.0	21	0.2

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

Table 28. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 1) over the expected production life of the lease area, proposed lease offering (mean estimate) fifty mile deletion alternative, vs. proposed lease offering (mean estimate) sixty meter deletion alternative, vs. proposed lease offering (mean estimate) Canyon deletion alternative. Probabilities are for spills 10,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	prop. mean 50 mile Prob	Mean	prop. mean 60 meter Prob	Mean	prop. mean Canyon Prob	Mean	prop. mean 50 mile Prob	Mean	prop. mean 60 meter Prob	Mean	prop. mean Canyon Prob	Mean	prop. mean 50 mile Prob	Mean	prop. mean 60 meter Prob	Mean	prop. mean Canyon Prob	Mean
35	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0

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

Table 29. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 1) over the expected production life of the lease area, proposed lease offering (high estimate) fifty mile deletion alternative, vs. proposed lease offering (high estimate) sixty meter deletion alternative, vs. proposed lease offering (high estimate) Canyon deletion alternative. Probabilities are for spills 10,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	prop. high 50 mile		prop. high 60 meter		prop. high Canyon		prop. high 50 mile		prop. high 60 meter		prop. high Canyon		prop. high 50 mile		prop. high 60 meter		prop. high Canyon	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
35	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0

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

Table 30. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 1) over the expected production life of the lease area, existingg leases and imports, vs. proposed lease offering (mean estimate) existing leases, and imports, vs. proposed lease offering (high estimate) existing leases and imports. Probabilities are for spills 10,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	exist. imports		prop. mean ex. imp.		prop. high ex. imp.		exist. imports		prop. mean ex. imp.		prop. high ex. imp.		exist. imports		prop. mean ex. imp.		prop. high ex. imp.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
2	1	0.0	1	0.0	1	0.0	5	0.0	5	0.0	5	0.0	7	0.1	7	0.1	7	0.1
3	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	7	0.1	7	0.1	7	0.1
4	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
5	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0	2	0.0
7	1	0.0	1	0.0	1	0.0	4	0.0	4	0.0	4	0.0	6	0.1	6	0.1	6	0.1
8	4	0.0	4	0.0	4	0.0	8	0.1	8	0.1	8	0.1	10	0.1	10	0.1	10	0.1
9	6	0.1	6	0.1	6	0.1	7	0.1	7	0.1	7	0.1	7	0.1	8	0.1	8	0.1
10	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0
11	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0
12	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0
13	4	0.0	4	0.0	4	0.0	6	0.1	6	0.1	6	0.1	7	0.1	7	0.1	7	0.1
15	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0
16	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
17	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
21	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
23	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
24	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0
25	2	0.0	2	0.0	2	0.0	5	0.1	5	0.1	5	0.1	10	0.1	10	0.1	10	0.1
26	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0
27	3	0.0	3	0.0	3	0.0	5	0.0	5	0.0	5	0.0	6	0.1	6	0.1	6	0.1
28	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
29	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
30	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
33	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
34	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0
35	4	0.0	4	0.0	4	0.0	10	0.1	10	0.1	10	0.1	21	0.2	21	0.2	21	0.2

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

Table 31. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 1) over the expected production life of the lease area, proposed lease offering (mean estimate), vs. proposed lease offering (mean estimate) New York deletion alternative, vs. proposed lease offering (high estimate) New York deletion alternative. Probabilities are for spills 10,000 barrels and greater.

Land Segment	Within 3 days				Within 10 days				Within 30 days			
	prop. mean		prop. mean N. Y.		prop. high N. Y.		prop. mean		prop. mean N. Y.		prop. high N. Y.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
35	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0

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

Table 32. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 2) over the expected production life of the lease area, proposed lease offering (mean estimate), vs. proposed lease offering (high estimate) vs. existing leases and imports. Probabilities are for spills 1,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	prop. mean		prop. high		exist. imports		prop. mean		prop. high		exist. imports		prop. mean		prop. high		exist. imports	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
2	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
3	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	12	0.1	n	0.0	n	0.0	20	0.2
4	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0
5	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	4	0.0
6	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
7	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
8	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	4	0.0
9	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	7	0.1	n	0.0	n	0.0	11	0.1
10	n	0.0	n	0.0	7	0.1	n	0.0	n	0.0	12	0.1	n	0.0	n	0.0	15	0.2
11	n	0.0	n	0.0	10	0.1	n	0.0	n	0.0	12	0.1	n	0.0	n	0.0	12	0.1
12	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	5	0.1	n	0.0	n	0.0	7	0.1
13	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	6	0.1	n	0.0	n	0.0	7	0.1
14	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	7	0.1	n	0.0	n	0.0	10	0.1
15	n	0.0	n	0.0	6	0.1	n	0.0	n	0.0	8	0.1	n	0.0	n	0.0	9	0.1
16	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0
17	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	2	0.0
18	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	3	0.0
21	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
24	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0
25	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	4	0.0
26	n	0.0	n	0.0	6	0.1	n	0.0	n	0.0	10	0.1	n	0.0	n	0.0	12	0.1
27	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	4	0.0
28	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	9	0.1	n	0.0	1	0.0	17	0.2
29	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	6	0.1
30	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	2	0.0
32	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
34	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
35	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	3	0.0
36	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	5	0.1	n	0.0	n	0.0	6	0.1
37	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	5	0.1	n	0.0	n	0.0	12	0.1
38	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	8	0.1	1	0.0	1	0.0	17	0.2
39	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	5	0.1	n	0.0	1	0.0	9	0.1

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

Table 33. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 2) over the expected production life of the lease area, proposed lease offering (mean estimate) fifty mile deletion alternative, vs. proposed lease offering (mean estimate) sixty meter deletion alternative, vs. proposed lease offering (mean estimate) Canyon deletion alternative. Probabilities are for spills 1,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	prop. mean 50 mile Prob	Mean	prop. mean 60 meter Prob	Mean	prop. mean Canyon Prob	Mean	prop. mean 50 mile Prob	Mean	prop. mean 60 meter Prob	Mean	prop. mean Canyon Prob	Mean	prop. mean 50 mile Prob	Mean	prop. mean 60 meter Prob	Mean	prop. mean Canyon Prob	Mean
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0

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

Table 54. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 2) over the expected production life of the lease area, proposed lease offering (high estimate) fifty m ile deletion alternative, vs. proposed lease offering (high estimate) sixty meter deletion alternative, vs. proposed lease offering (high estimate) Canyon deletion alternative. Probabilities are for spills 1,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	prop. high 50 mile		prop. high 60 meter		prop. high Canyon		prop. high 50 mile		prop. high 60 meter		prop. high Canyon		prop. high 50 mile		prop. high 60 meter		prop. high Canyon	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
28	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
39	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0

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

Table 35. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 2) over the expected production life of the lease area, existing leases and imports, vs. proposed lease offering (mean estimate) existing leases, and imports, vs. proposed lease offering (high estimate) existing leases, and imports. Probabilities are for spills 1,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	exist. imports		prop. mean ex. imp.		prop. high ex. imp.		exist. imports		prop. mean ex. imp.		prop. high ex. imp.		exist. imports		prop. mean ex. imp.		prop. high ex. imp.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
2	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
3	3	0.0	3	0.0	3	0.0	12	0.1	12	0.1	12	0.1	20	0.2	21	0.2	21	0.2
4	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0
5	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0
6	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
7	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
8	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0
9	2	0.0	2	0.0	2	0.0	7	0.1	7	0.1	7	0.1	11	0.1	11	0.1	11	0.1
10	7	0.1	7	0.1	7	0.1	12	0.1	12	0.1	12	0.1	15	0.2	15	0.2	15	0.2
11	10	0.1	10	0.1	10	0.1	12	0.1	12	0.1	12	0.1	12	0.1	12	0.1	12	0.1
12	3	0.0	3	0.0	3	0.0	5	0.1	5	0.1	5	0.1	7	0.1	7	0.1	7	0.1
13	4	0.0	4	0.0	4	0.0	6	0.1	6	0.1	6	0.1	7	0.1	8	0.1	8	0.1
14	3	0.0	3	0.0	3	0.0	7	0.1	7	0.1	7	0.1	10	0.1	10	0.1	10	0.1
15	6	0.1	6	0.1	6	0.1	8	0.1	9	0.1	9	0.1	9	0.1	9	0.1	9	0.1
16	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
17	n	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
18	n	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0
21	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
24	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
25	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0
26	6	0.1	6	0.1	6	0.1	10	0.1	10	0.1	10	0.1	12	0.1	12	0.1	12	0.1
27	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0
28	3	0.0	3	0.0	3	0.0	9	0.1	9	0.1	10	0.1	17	0.2	17	0.2	17	0.2
29	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0	6	0.1	6	0.1	6	0.1
30	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
32	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
34	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
35	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0
36	3	0.0	3	0.0	3	0.0	5	0.1	5	0.1	5	0.1	6	0.1	6	0.1	6	0.1
37	1	0.0	1	0.0	1	0.0	5	0.1	5	0.1	5	0.1	12	0.1	13	0.1	13	0.1
38	3	0.0	3	0.0	3	0.0	8	0.1	8	0.1	8	0.1	17	0.2	18	0.2	18	0.2
39	2	0.0	2	0.0	2	0.0	5	0.1	5	0.1	5	0.1	9	0.1	9	0.1	9	0.1

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

Table 36. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 2) over the expected production life of the lease area, proposed lease offering (mean estimate), vs. proposed lease offering (mean estimate) New York deletion alternative, vs. proposed lease offering (high estimate) New York deletion alternative. Probabilities are for spills 1,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	prop. mean		prop. mean N. Y.		prop. high N. Y.		prop. mean		prop. mean N. Y.		prop. high N. Y.		prop. mean		prop. mean N. Y.		prop. high N. Y.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
28	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
33	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
37	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0

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

Table 37. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 2) over the expected production life of the lease area, proposed lease offering (mean estimate), vs. proposed lease offering (high estimate) vs. existing leases and imports. Probabilities are for spills 10,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	prop. mean		prop. high		exist. imports		prop. mean		prop. high		exist. imports		prop. mean		prop. high		exist. imports	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
3	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	7	0.1	n	0.0	n	0.0	12	0.1
4	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0
5	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0
7	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
8	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0
9	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	6	0.1
10	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	7	0.1	n	0.0	n	0.0	8	0.1
11	n	0.0	n	0.0	6	0.1	n	0.0	n	0.0	7	0.1	n	0.0	n	0.0	7	0.1
12	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	4	0.0
13	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	4	0.0
14	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	6	0.1
15	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	5	0.0	n	0.0	n	0.0	5	0.1
16	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
17	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
18	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0
24	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
25	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	2	0.0
26	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	6	0.1	n	0.0	n	0.0	7	0.1
27	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	2	0.0
28	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	5	0.1	n	0.0	n	0.0	10	0.1
29	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	4	0.0
30	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0
32	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
35	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	2	0.0
36	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	3	0.0
37	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	7	0.1
38	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	10	0.1
39	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	5	0.1

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

Table 38. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 2) over the expected production life of the lease area, proposed lease offering (mean estimate) fifty mile deletion alternative, vs. proposed lease offering (mean estimate) sixty meter deletion alternative, vs. proposed lease offering (mean estimate) Canyon deletion alternative. Probabilities are for spills 10,000 barrels and greater.

Land Segment	Within 3 days			Within 10 days			Within 30 days		
	prop. mean 50 mile Prob Mean	prop. mean 60 meter Prob Mean	prop. mean Canyon Prob Mean	prop. mean 50 mile Prob Mean	prop. mean 60 meter Prob Mean	prop. mean Canyon Prob Mean	prop. mean 50 mile Prob Mean	prop. mean 60 meter Prob Mean	prop. mean Canyon Prob Mean

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

Table 39. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 2) over the expected production life of the lease area, proposed lease offering (high estimate) fifty mile deletion alternative, vs. proposed lease offering (high estimate) sixty meter deletion alternative, vs. proposed lease offering (high estimate) Canyon deletion alternative. Probabilities are for spills 10,000 barrels and greater.

	Within 3 days				Within 10 days				Within 30 days			
Land Segment	prop. high 50 mile Prob	Mean	prop. high 60 meter Prob	Mean	prop. high Canyon Prob	Mean	prop. high 50 mile Prob	Mean	prop. high 60 meter Prob	Mean	prop. high Canyon Prob	Mean	prop. high 50 mile Prob	Mean	prop. high 60 meter Prob	Mean	prop. high Canyon Prob	Mean

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

Table 40. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 2) over the expected production life of the lease area, existing leases and imports, vs. proposed lease offering (mean estimate) existing leases, and imports, vs. proposed lease offering (high estimate) existing leases, and imports. Probabilities are for spills 10,000 barrels and greater.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	exist. imports		prop. mean ex. imp.		prop. high ex. imp.		exist. imports		prop. mean ex. imp.		prop. high ex. imp.		exist. imports		prop. mean ex. imp.		prop. high ex. imp.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
3	1	0.0	1	0.0	1	0.0	7	0.1	7	0.1	7	0.1	12	0.1	12	0.1	12	0.1
4	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
5	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
7	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
8	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
9	1	0.0	1	0.0	1	0.0	4	0.0	4	0.0	4	0.0	6	0.1	6	0.1	6	0.1
10	4	0.0	4	0.0	4	0.0	7	0.1	7	0.1	7	0.1	8	0.1	8	0.1	8	0.1
11	6	0.1	6	0.1	6	0.1	7	0.1	7	0.1	7	0.1	7	0.1	7	0.1	7	0.1
12	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0
13	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0
14	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0	6	0.1	6	0.1	6	0.1
15	4	0.0	4	0.0	4	0.0	5	0.0	5	0.1	5	0.1	5	0.1	5	0.1	5	0.1
16	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
17	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
18	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
24	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
25	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
26	4	0.0	4	0.0	4	0.0	6	0.1	6	0.1	6	0.1	7	0.1	7	0.1	7	0.1
27	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
28	2	0.0	2	0.0	2	0.0	5	0.1	5	0.1	5	0.1	10	0.1	10	0.1	10	0.1
29	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0
30	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
32	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
35	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
36	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0
37	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	7	0.1	7	0.1	7	0.1
38	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0	10	0.1	10	0.1	11	0.1
39	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	5	0.1	5	0.1	5	0.1

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

Table 41. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) occurring and contacting land segments (set 2) over the expected production life of the lease area, proposed lease offering (mean estimate), vs. proposed lease offering (mean estimate) New York deletion alternative, vs. proposed lease offering (high estimate) New York deletion alternative. Probabilities are for spills 10,000 barrels and greater.

Land Segment	Within 3 days			Within 10 days			Within 30 days		
	prop. mean	prop. mean N. Y.	prop. high N. Y.	prop. mean	prop. mean N. Y.	prop. high N. Y.	prop. mean	prop. mean N. Y.	prop. high N. Y.
	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean

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

Appendix A

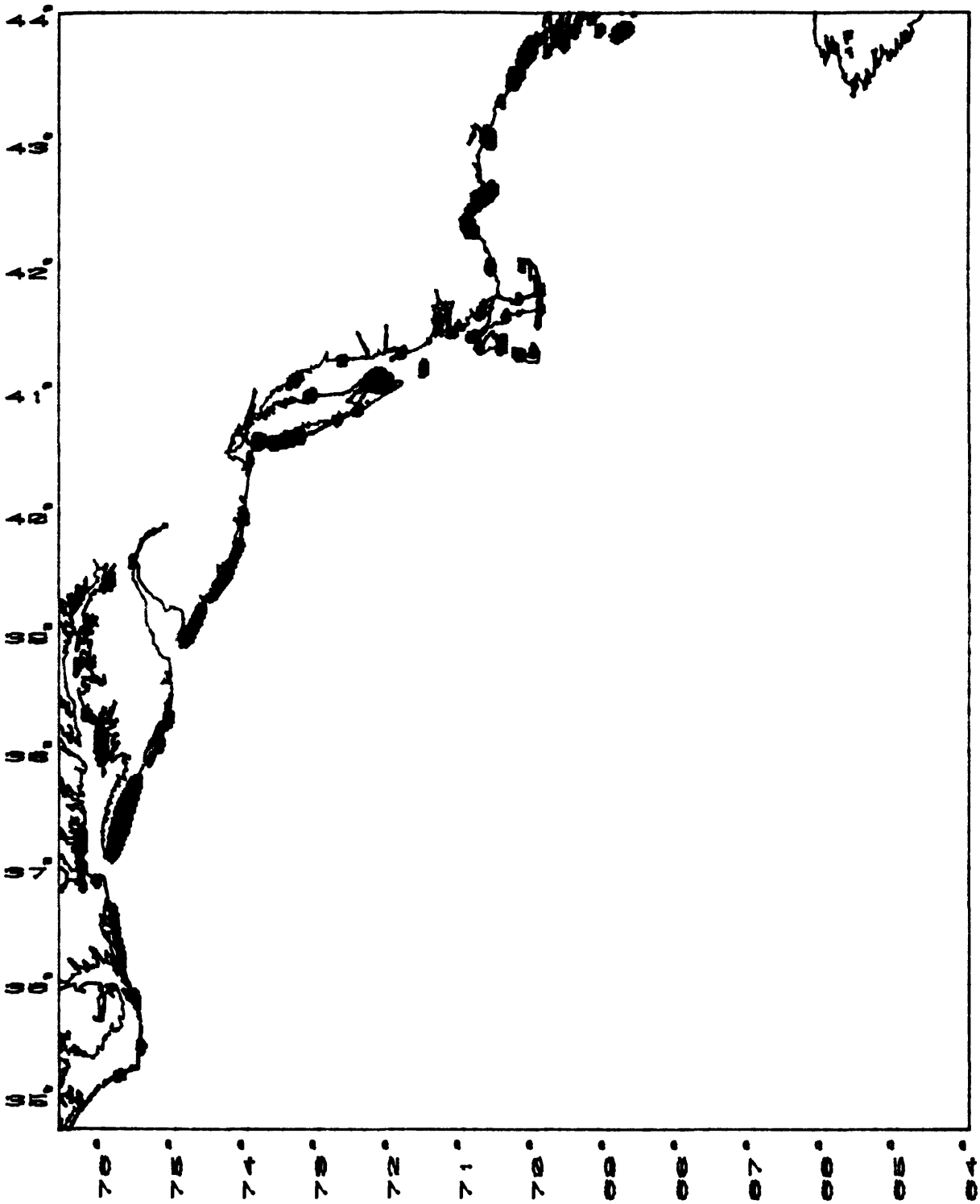

Figure A-1. -- Map showing the location of coastal waterbird colonies; crosshatching indicates areal extent.

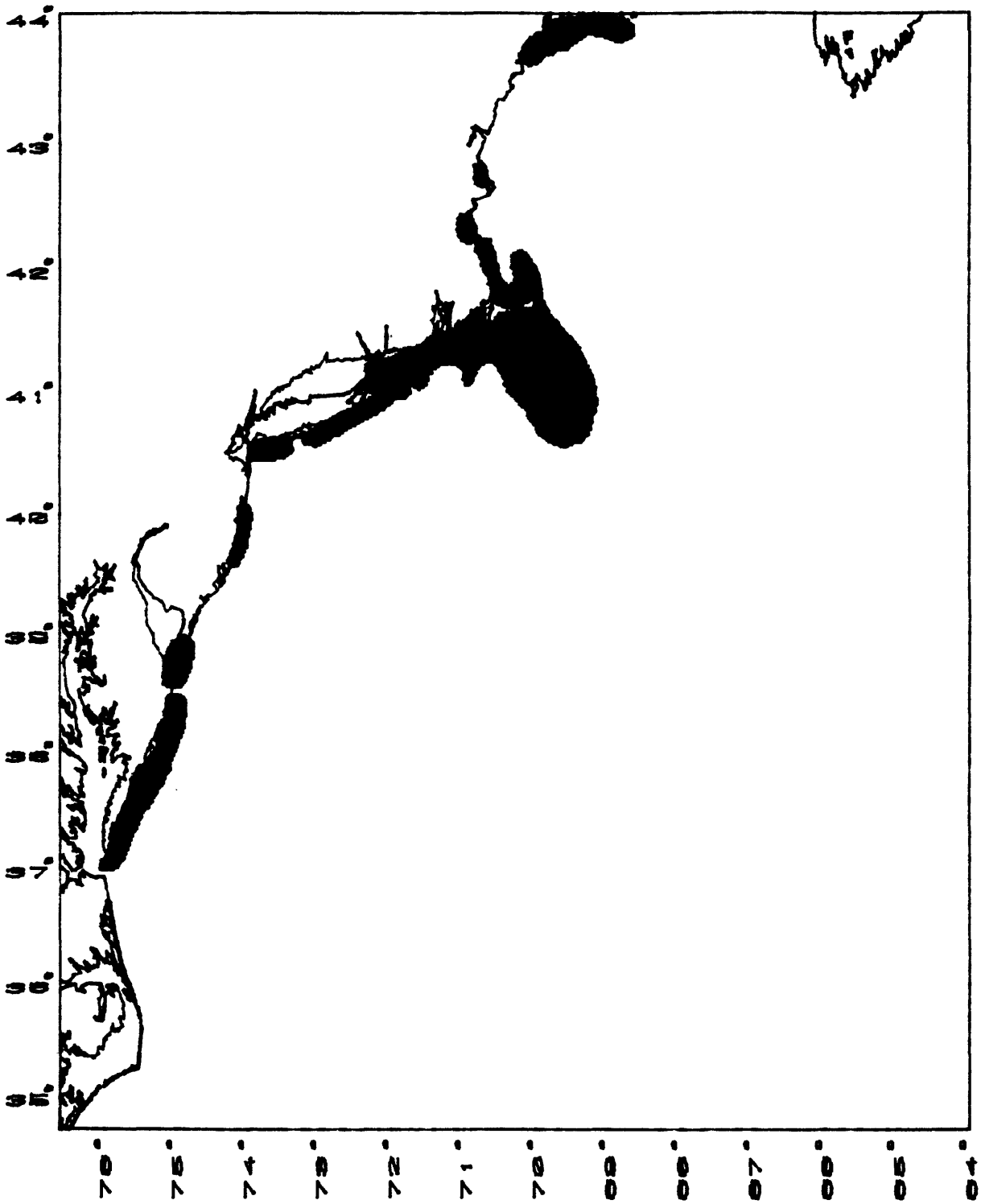

Figure A-2. -- Map showing the location of sea duck wintering areas; crosshatching indicates areal extent.

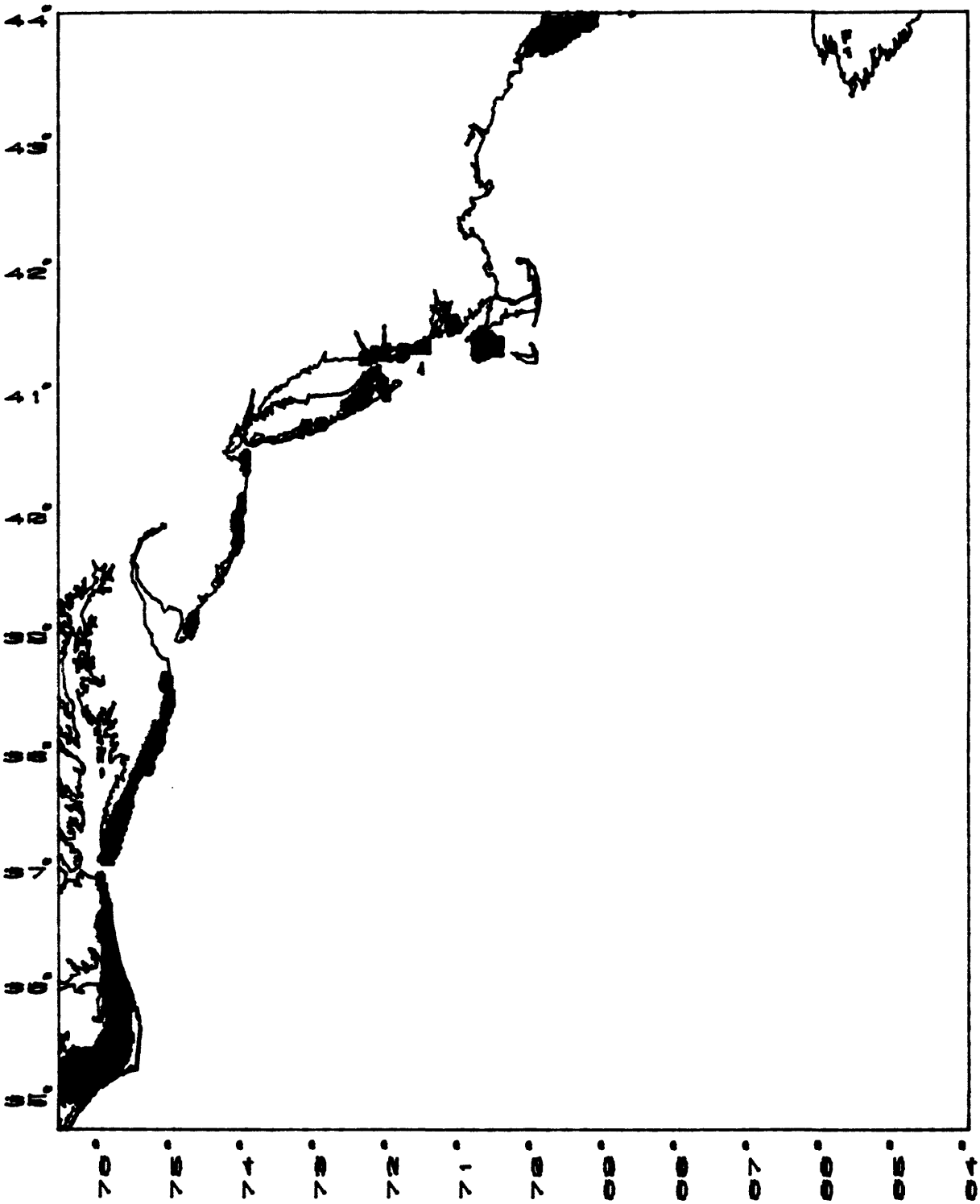

Figure A-3. -- Map showing the location of osprey nesting areas; crosshatching indicates areal extent.

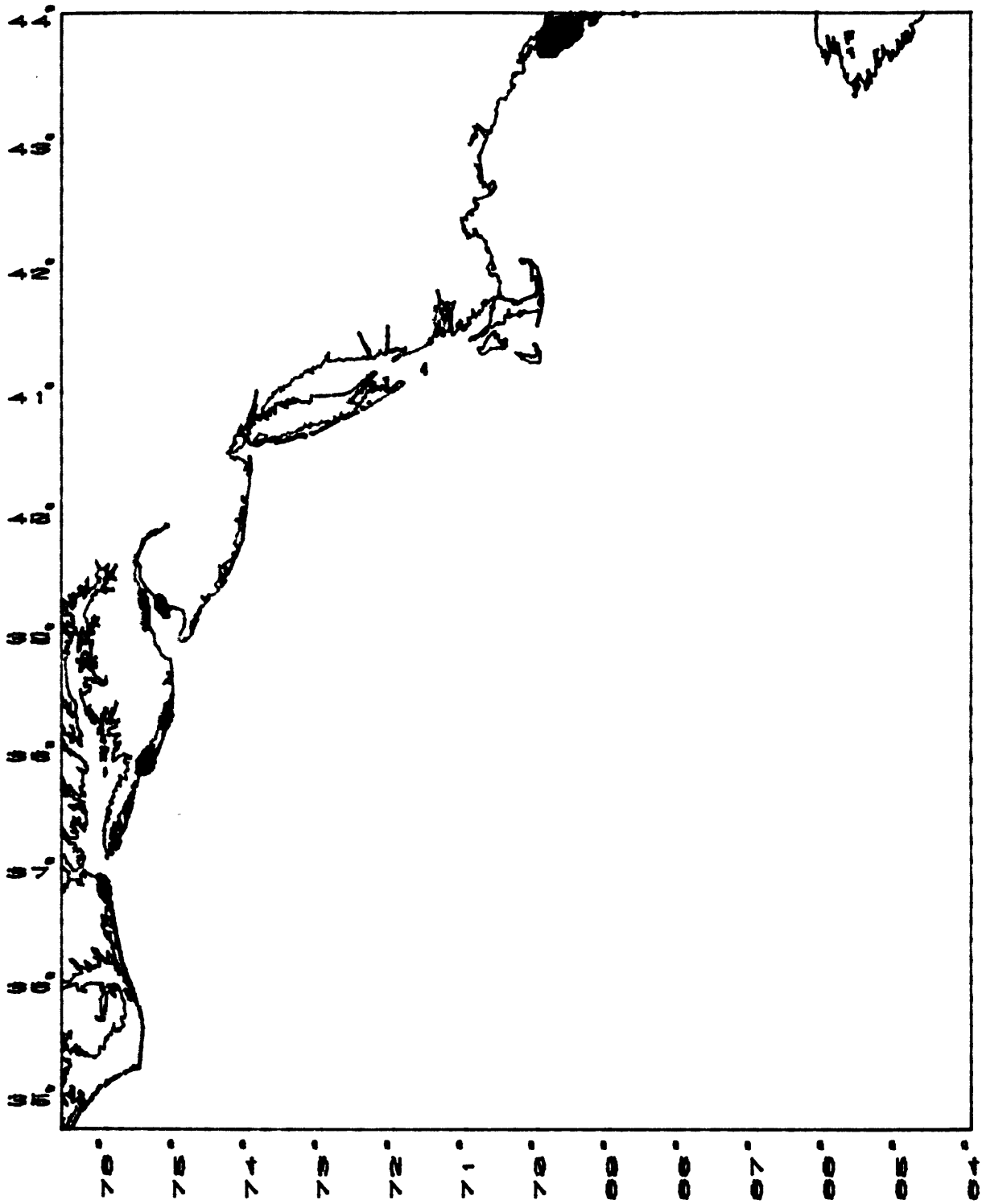

Figure A-4. -- Map showing the location of Bald Eagle nesting areas; crosshatching indicates areal extent.

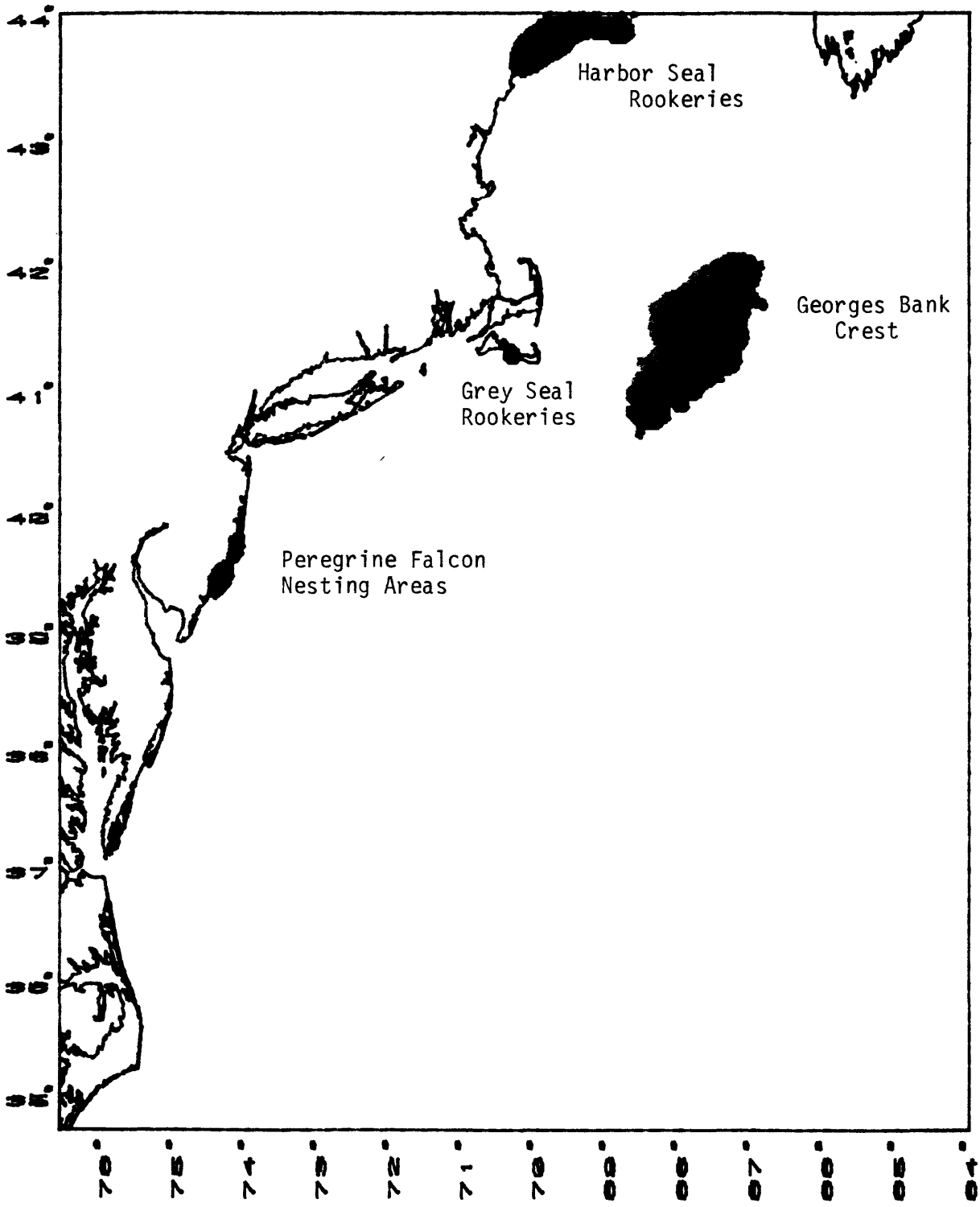

Figure A-5. -- Map showing the locations of four targets; crosshatching indicates areal extent.

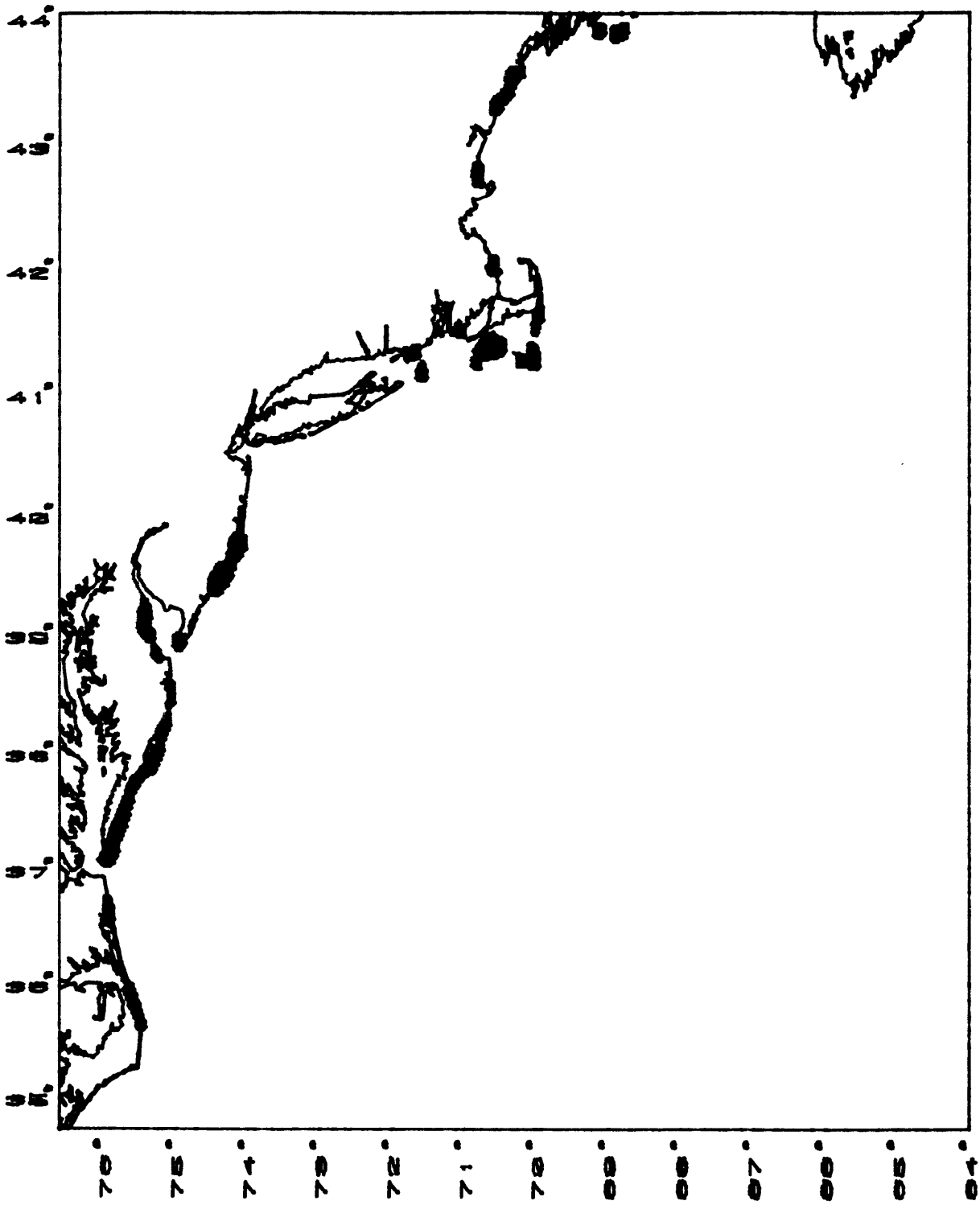

Figure A-6. -- Map showing the locations of Peregrine Falcon migratory stopover areas; crosshatching indicates areal extent.

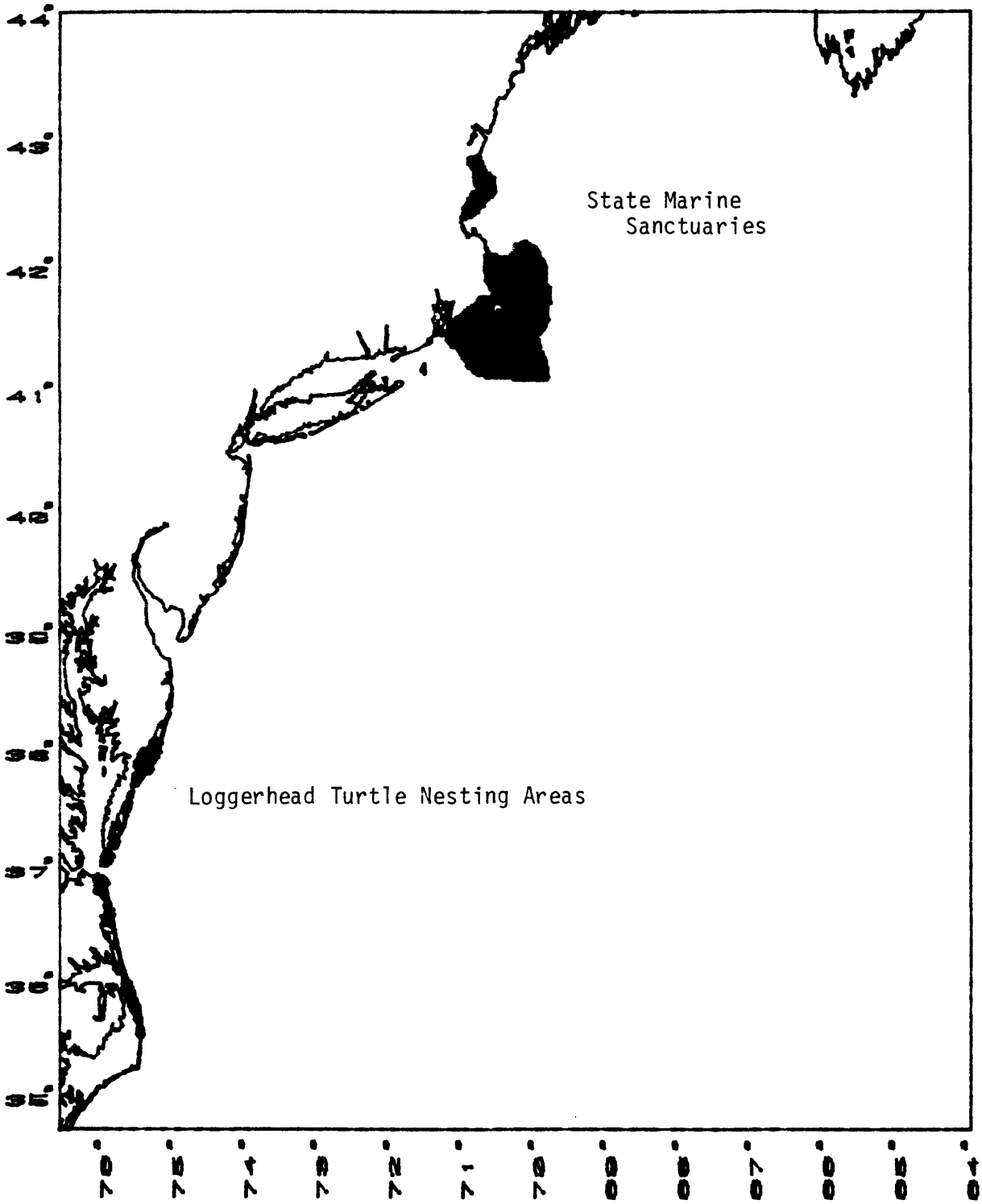

Figure A-7. -- Map showing the location of two targets; crosshatching indicates areal extent.

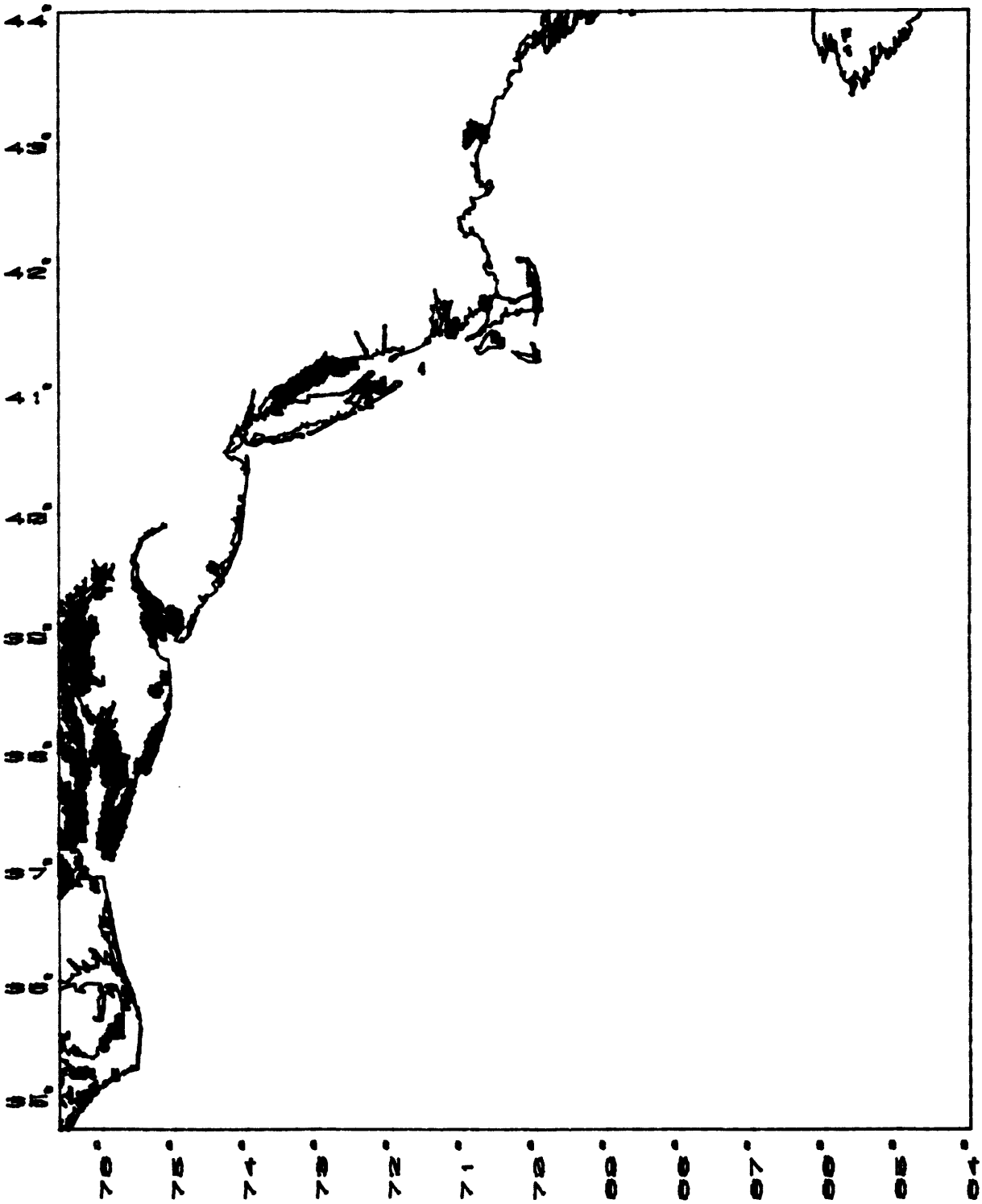

Figure A-8. -- Map showing the locations of oyster grounds; crosshatching indicates areal extent.

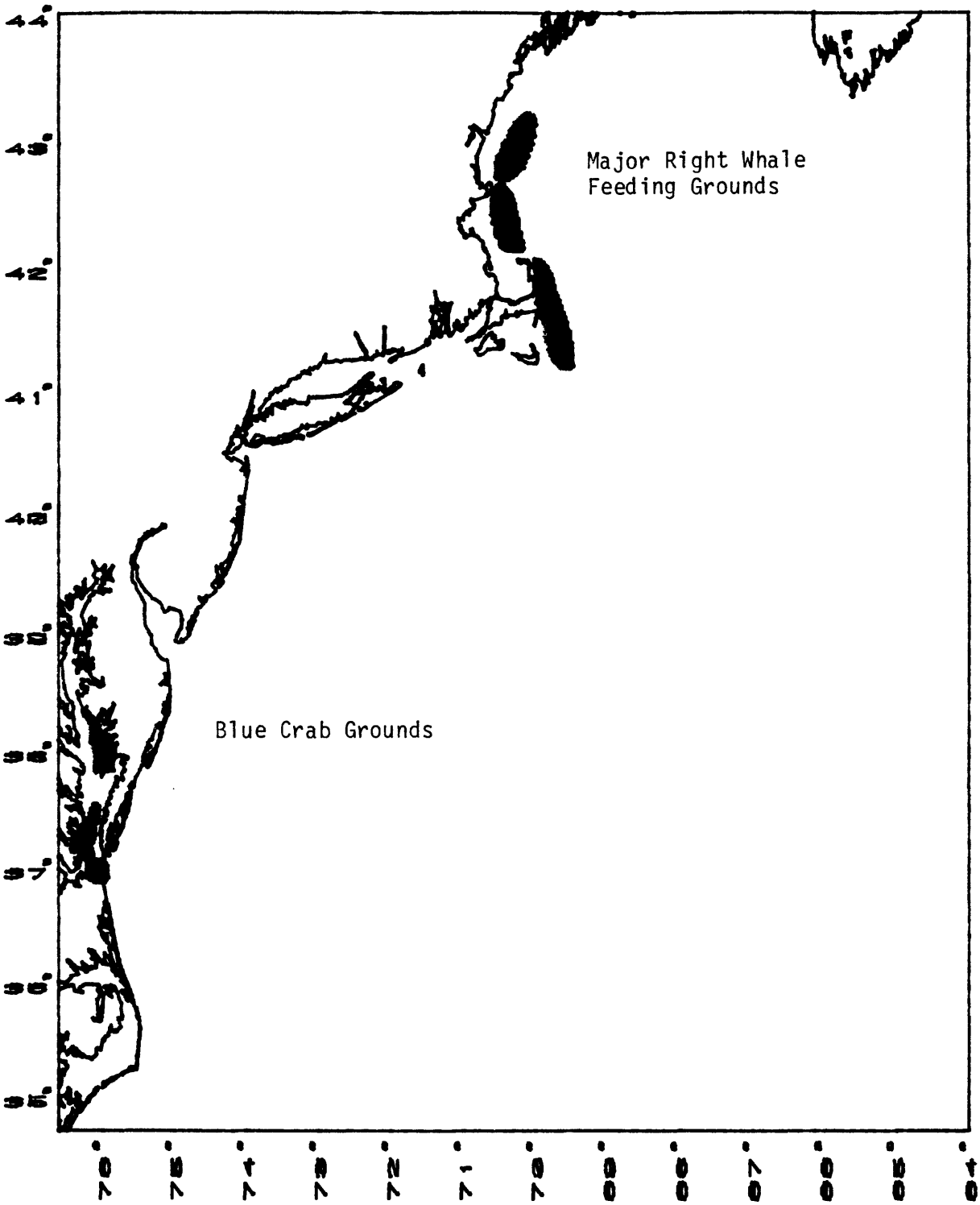

Figure A-9. -- Map showing the locations of two targets; crosshatching indicates areal extent.

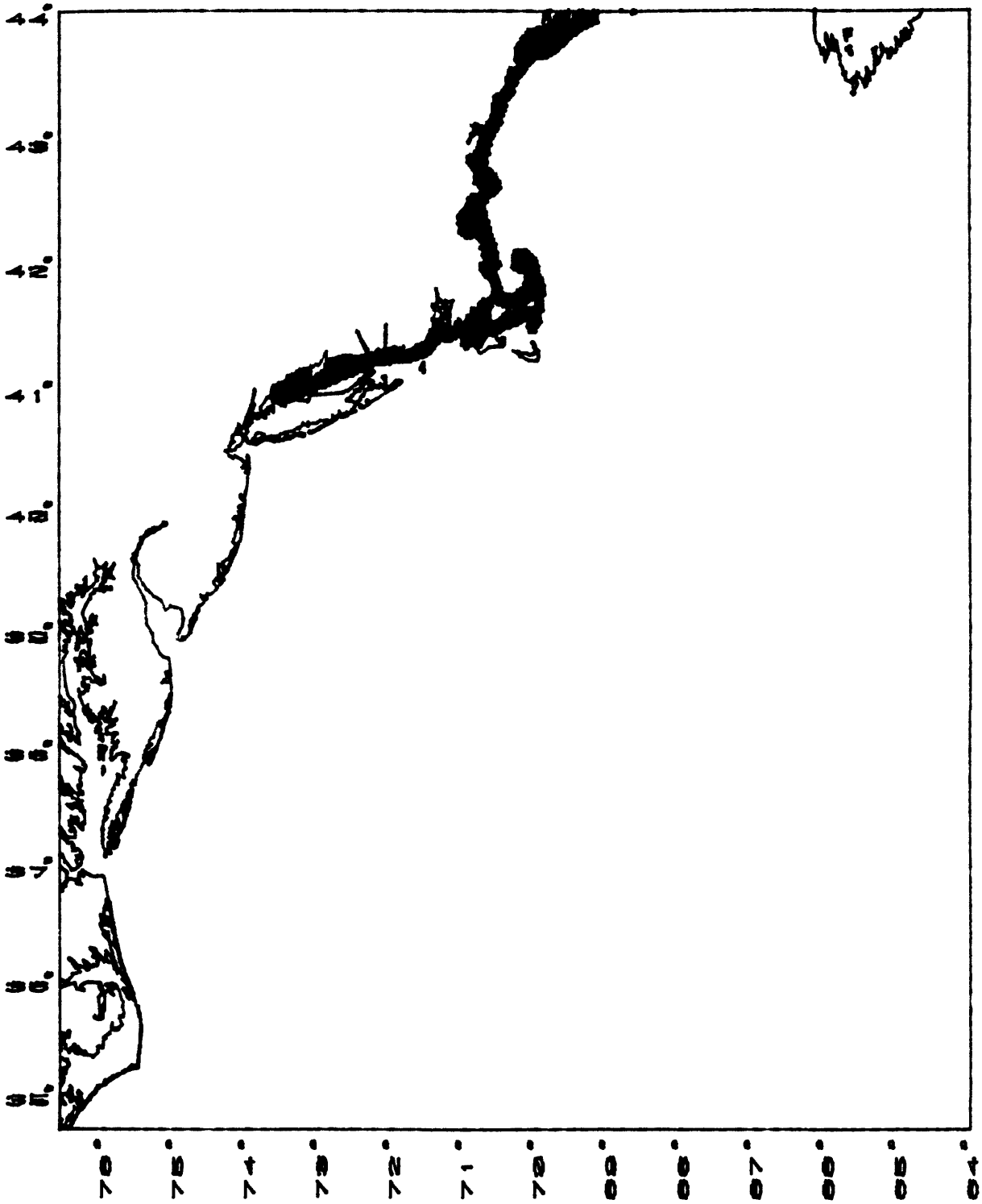

Figure A-10. -- Map showing the locations of inshore lobster grounds; crosshatching indicates areal extent.

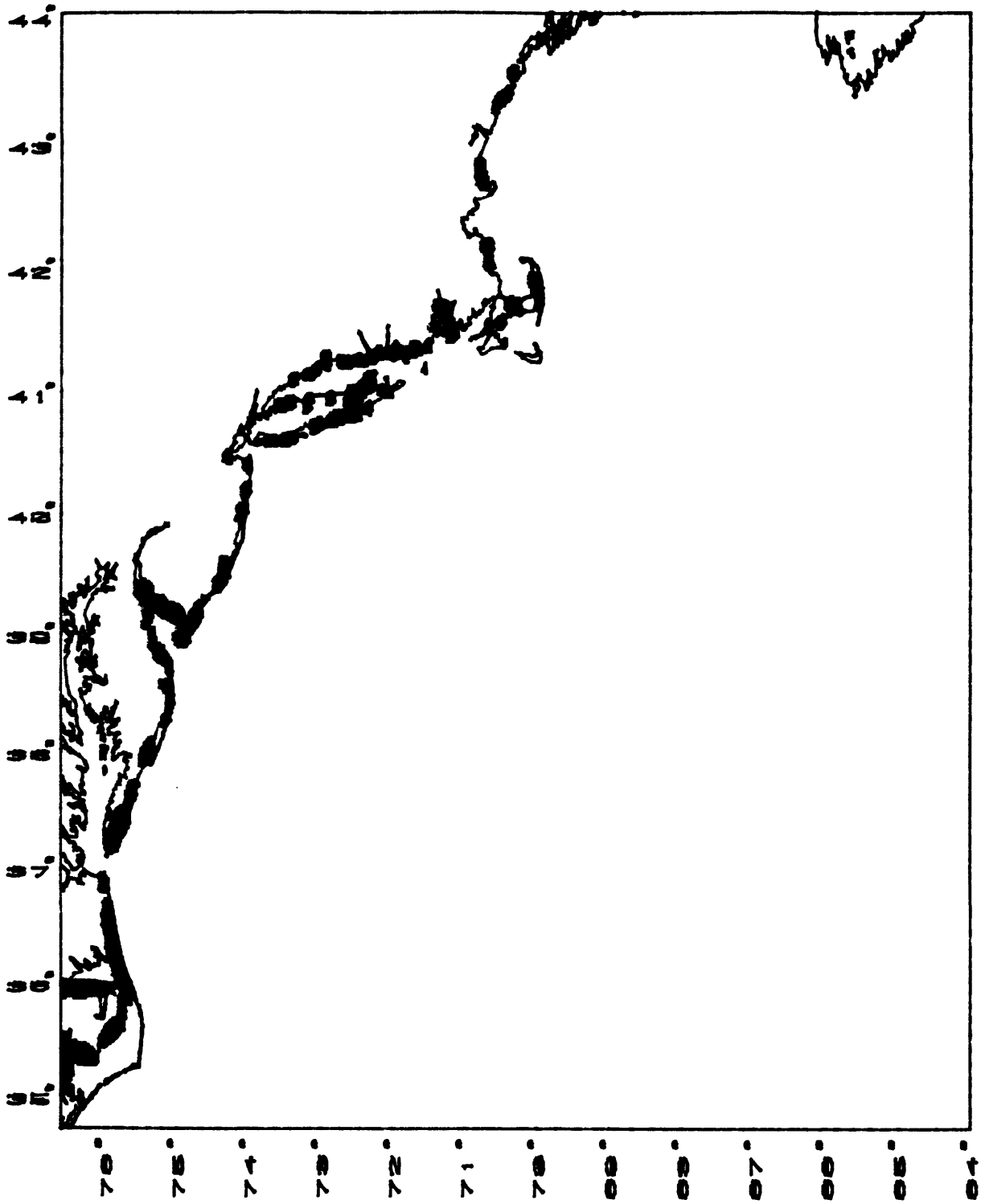

Figure A-11. - Map showing the locations of coastal marshes; crosshatching indicates areal extent.

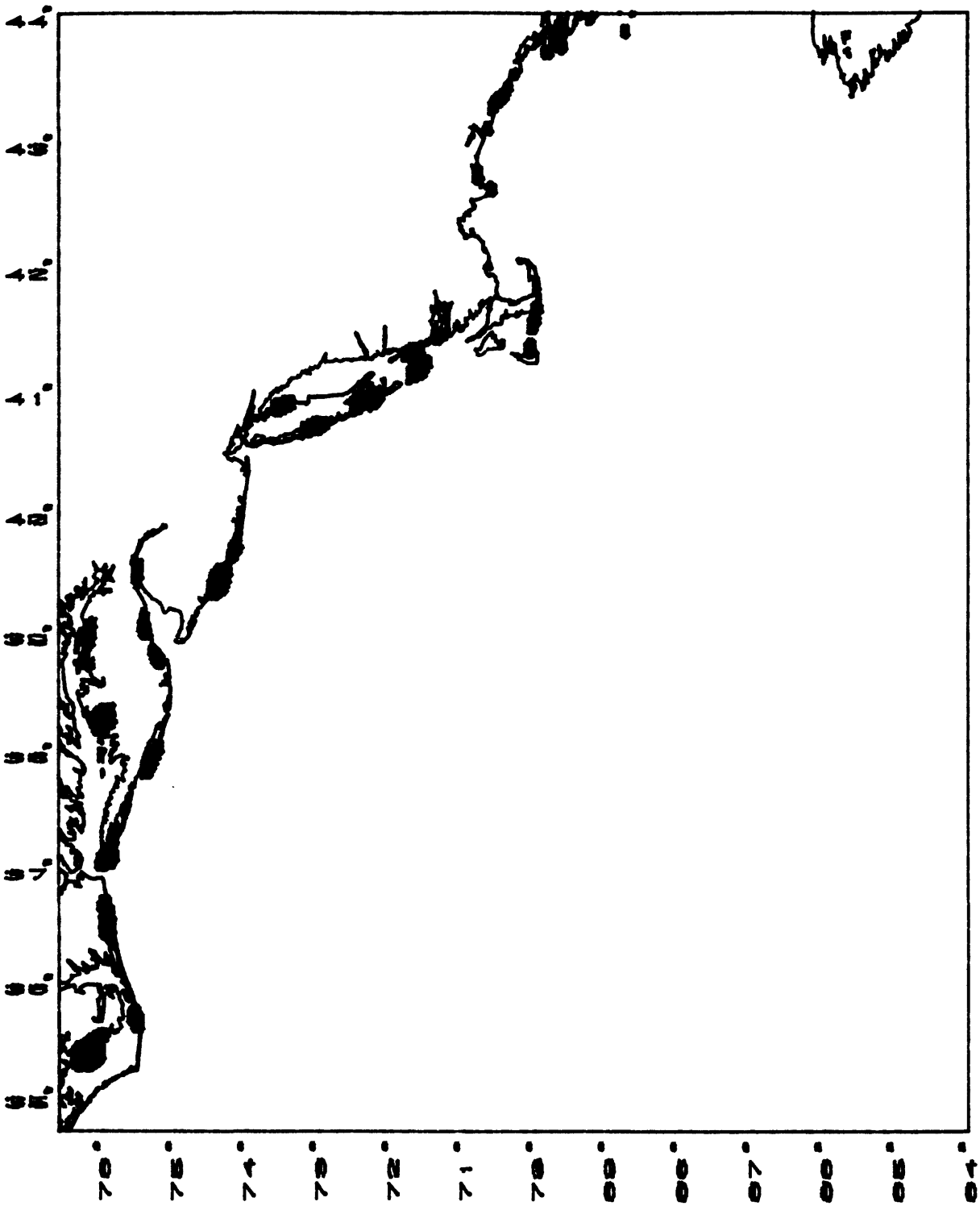

Figure A-12. -- Map showing the locations of National wildlife refuges; crosshatching indicates areal extent.

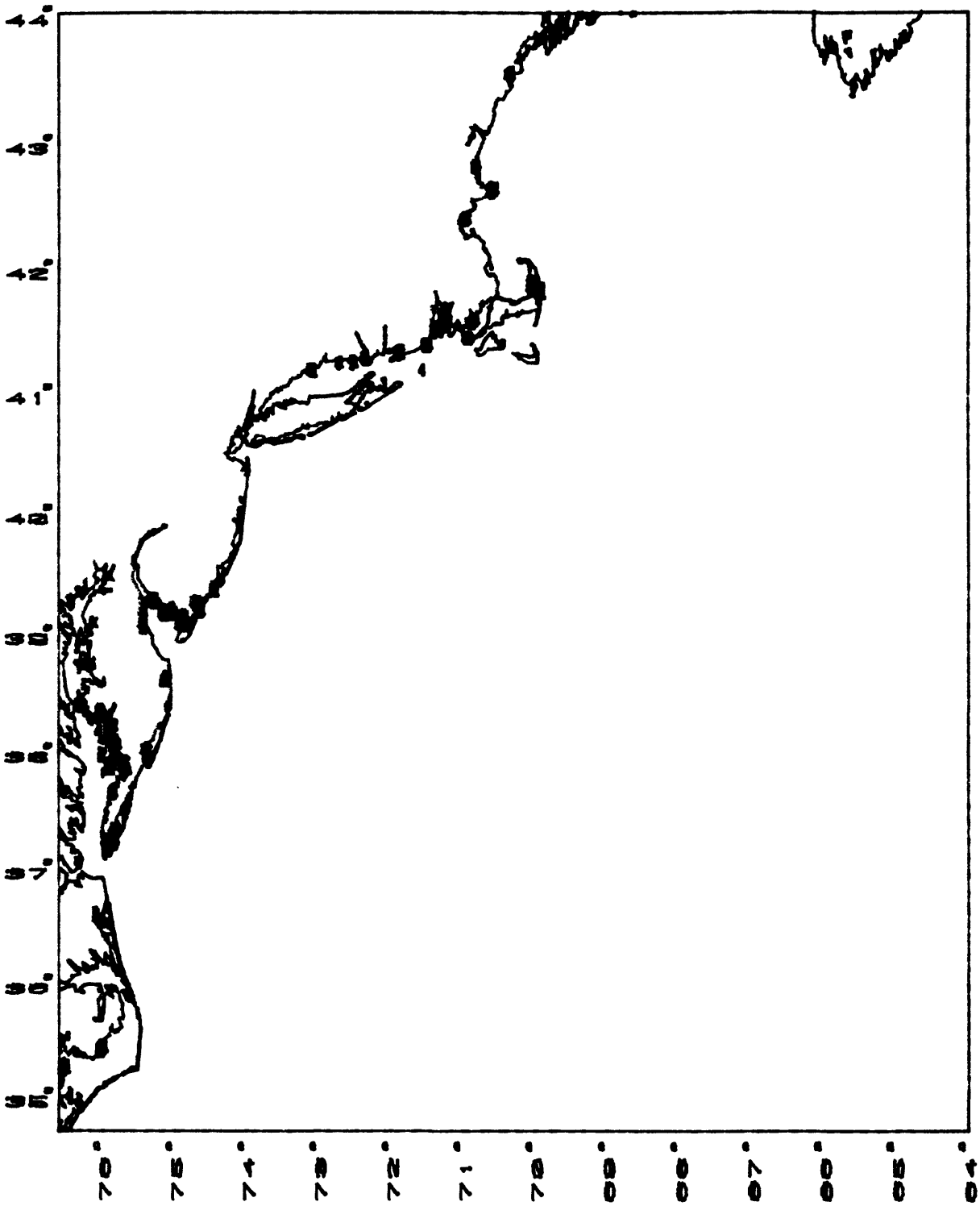

Figure A-13. -- Map showing the locations of State wildlife and natural areas; crosshatching indicates areal extent.

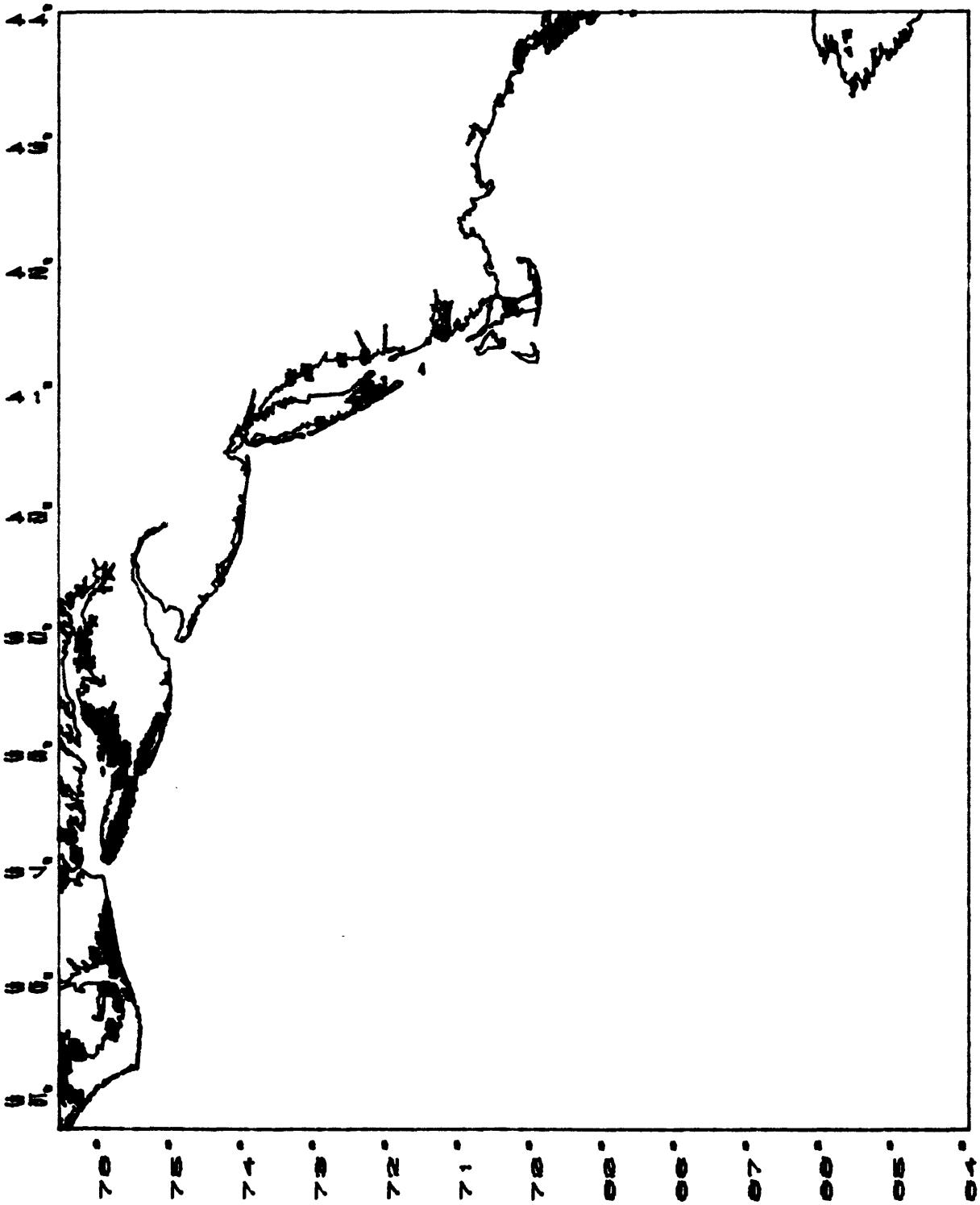

Figure A-14. -- Map showing the locations of nongovernment wildlife and natural areas; crosshatching indicates areal extent.

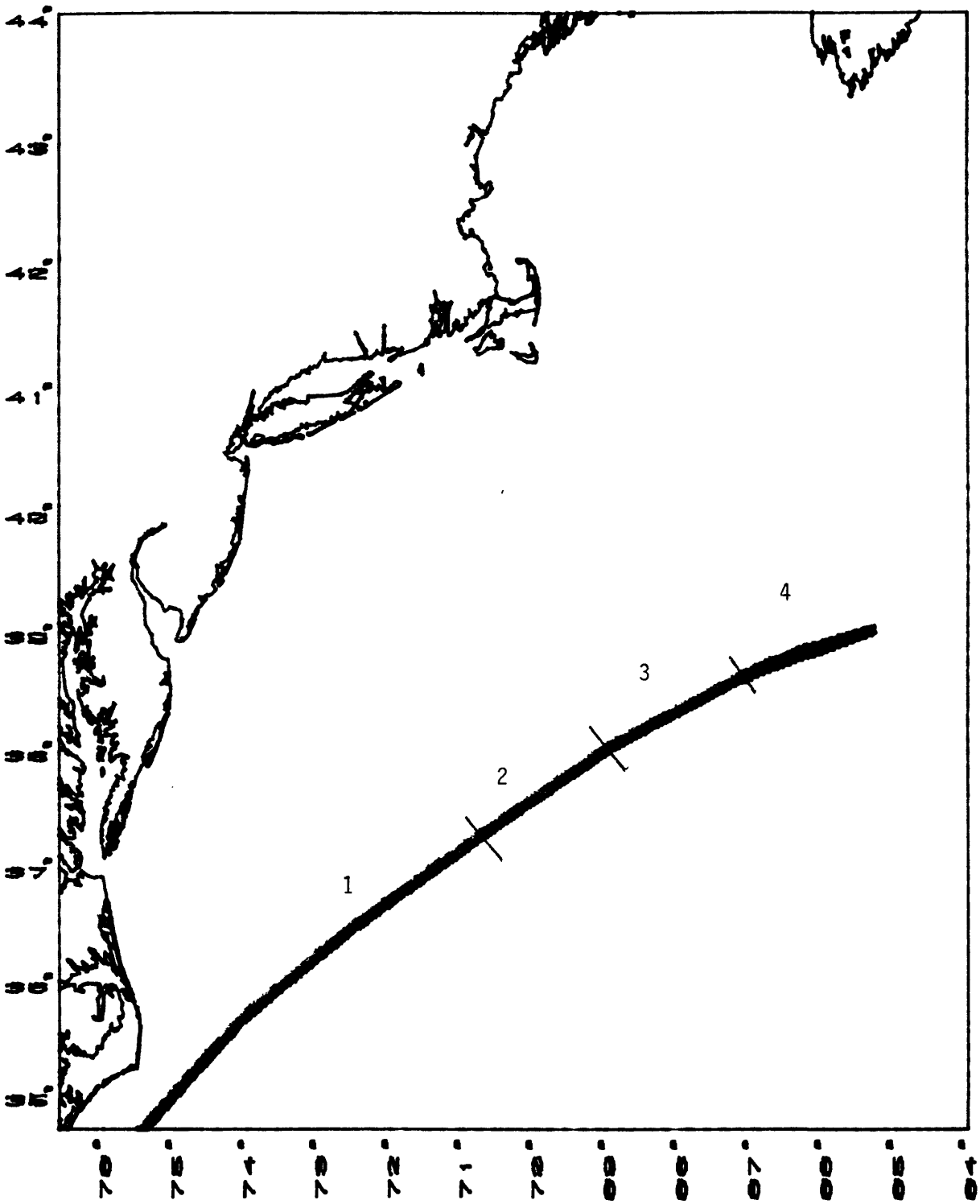

Figure A-15. -- Map showing the locations of Gulf Stream boundary segments (numbered 1-4).

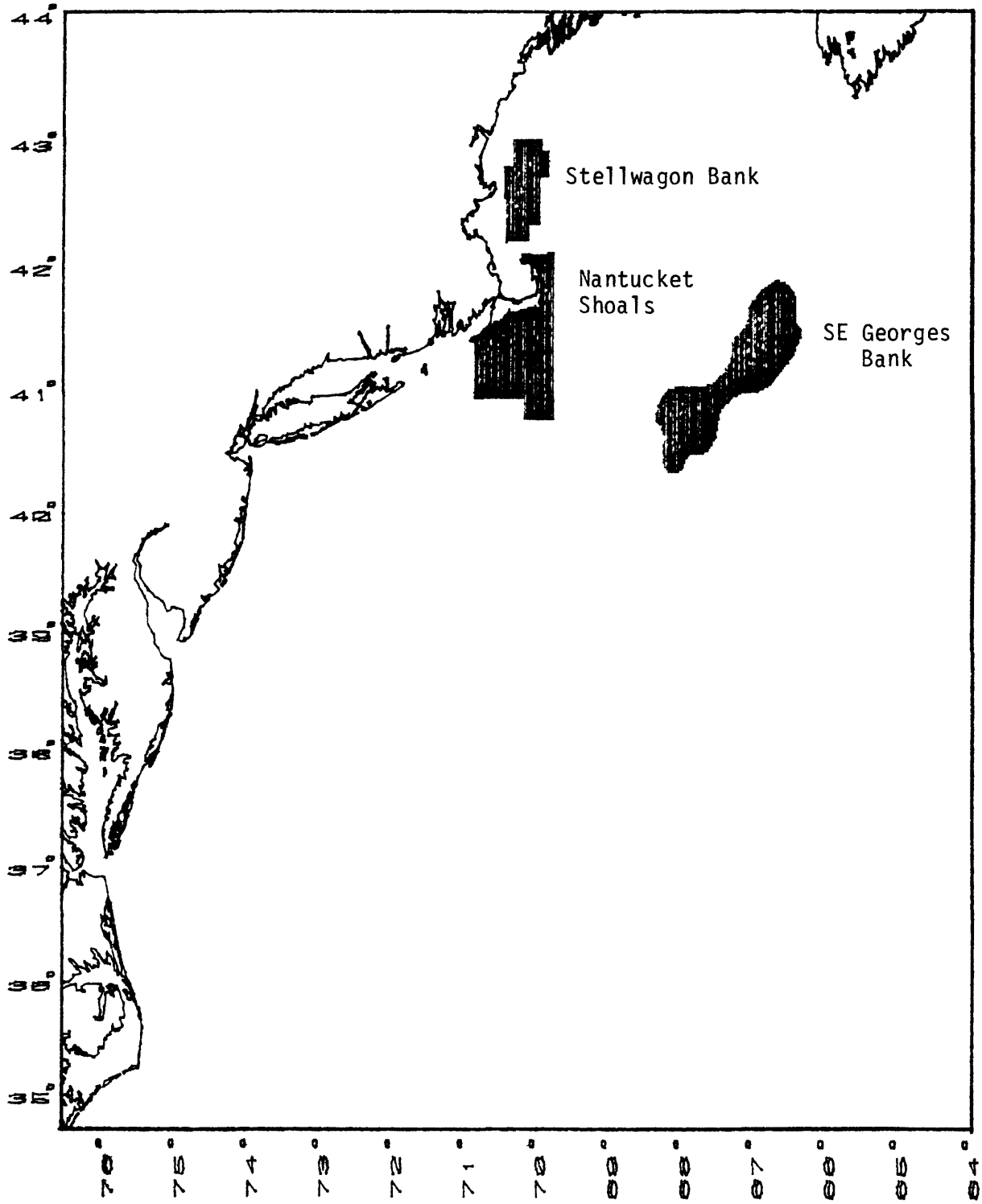

Figure A-16. -- Map showing the location of three fish spawning areas: crosshatching indicates areal extent.

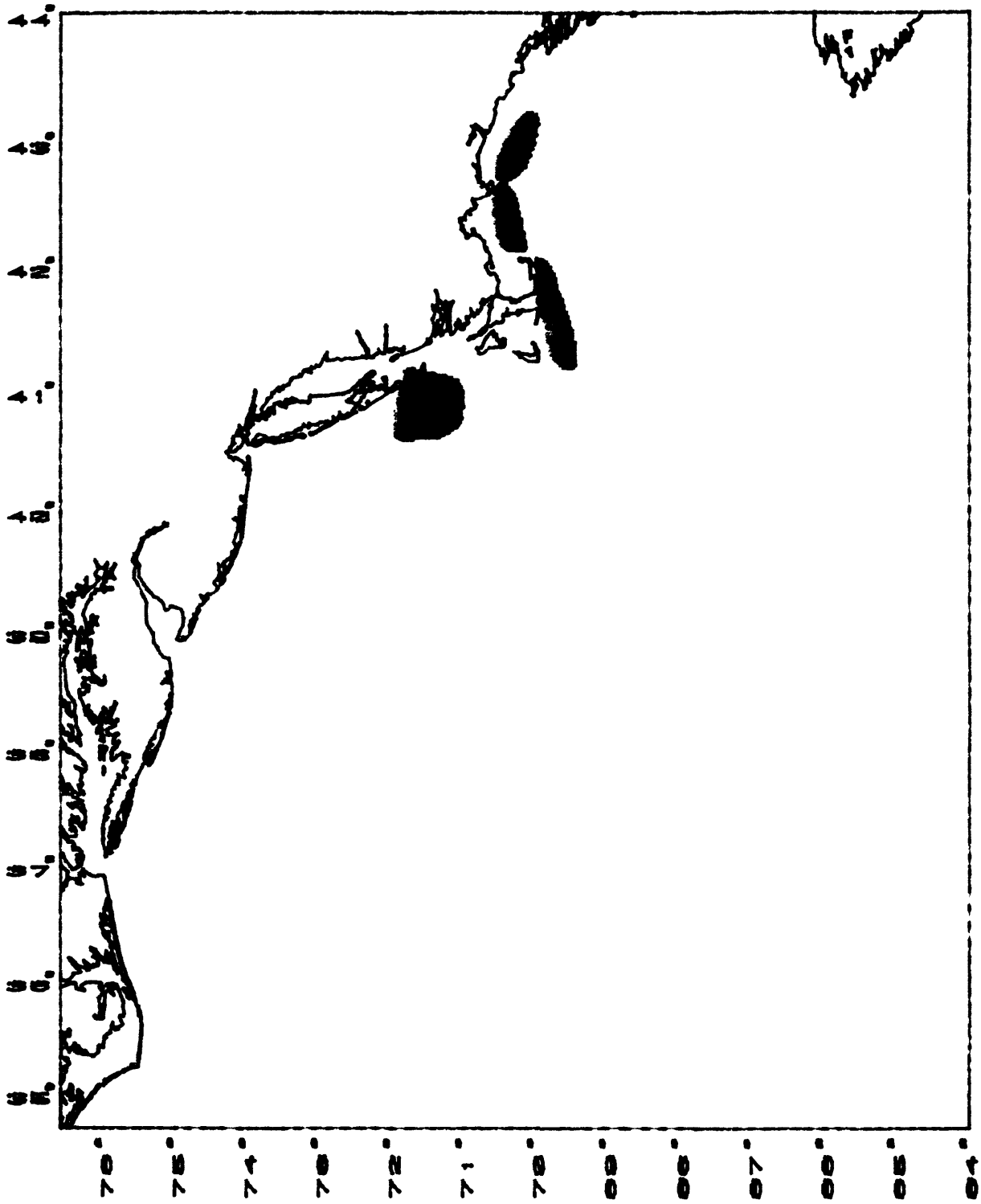

Figure A-17. -- Map showing the locations of Major Humpback and Fin whale feeding grounds; crosshatching indicates areal extent.

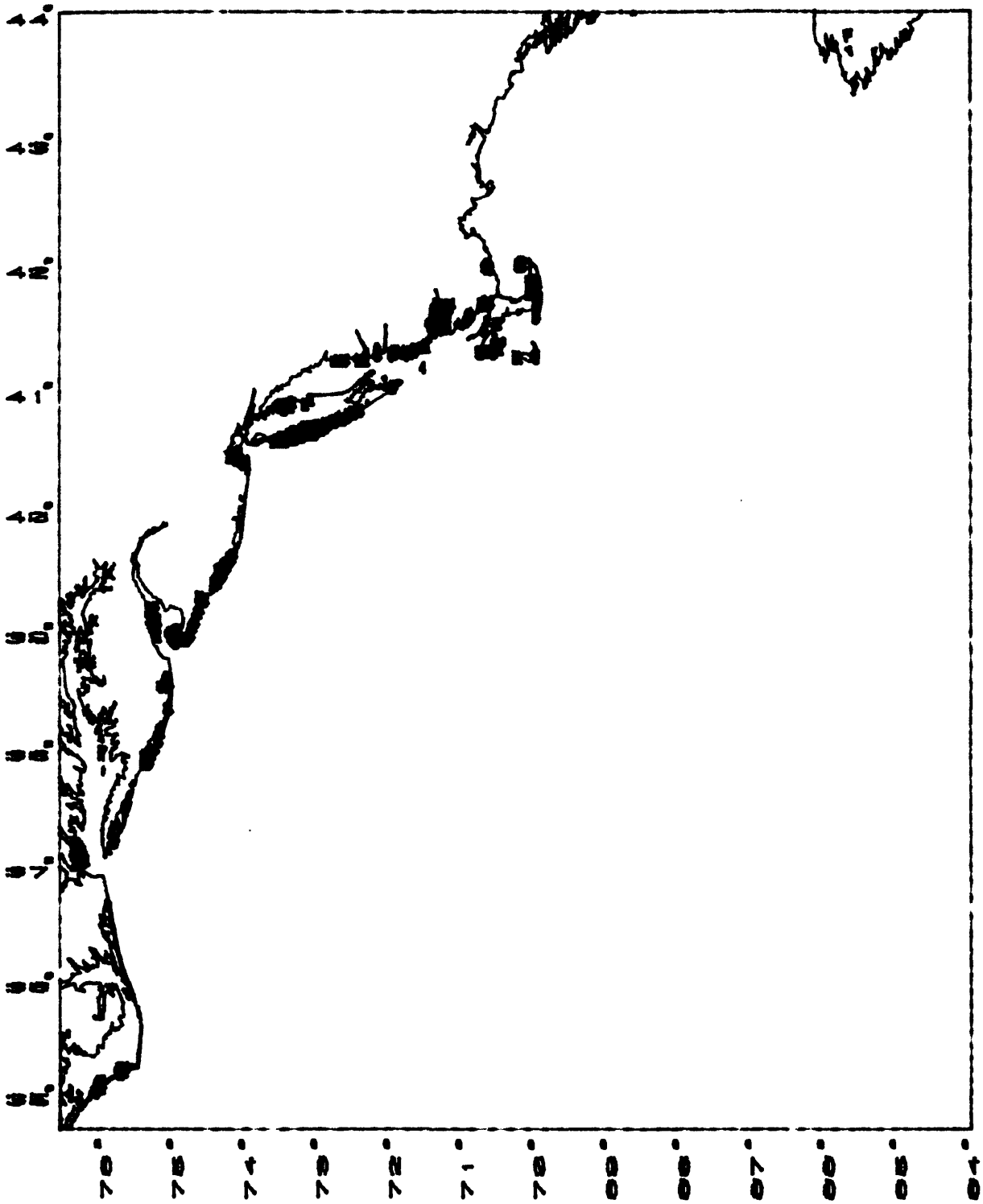

Figure A-18. -- Map showing locations of hard clam grounds; crosshatching indicates areal extent.

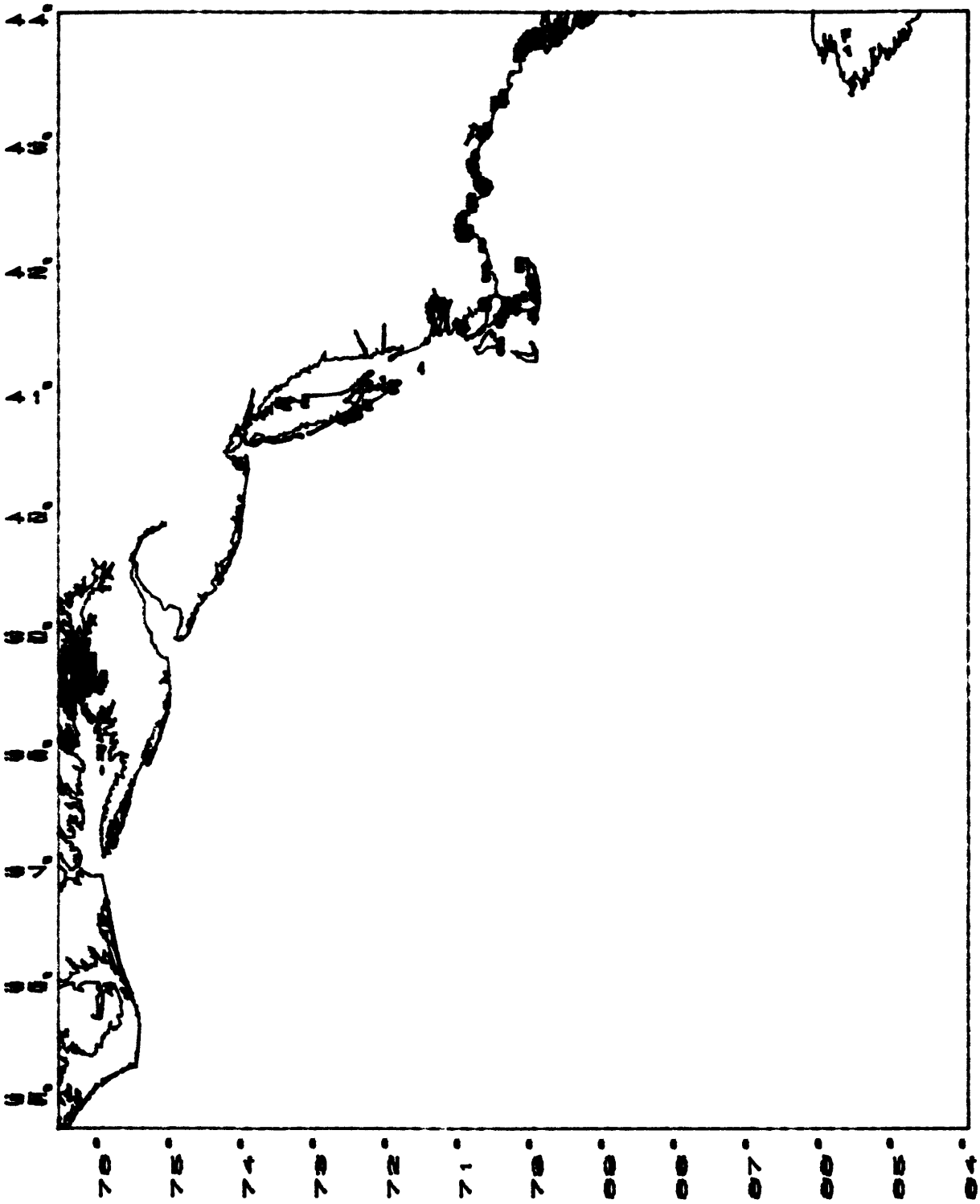

Figure A-19. -- Map showing locations of soft clam grounds; crosshatching indicates areal extent.

Appendix B

Table B-1. -- 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
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	8	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JFM)	n	1	n	6	15	16	21	n	n	n	n	1	20	9	13	7	4	2	4	3	1	3	2	2	2
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	9	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (AMJ)	n	n	n	2	12	11	18	n	n	n	n	4	22	12	16	5	3	4	6	n	n	n	1	2	1
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	9	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JAS)	n	n	n	1	9	10	22	n	n	n	n	2	19	12	13	5	2	1	3	n	n	n	n	n	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	9	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	n	1	n	4	14	17	26	n	n	n	n	1	21	8	12	5	2	2	4	3	1	2	2	3	1

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

Table B-1. (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																			
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JFM)	n	n	n	n	3	13	26	22	22	16	n	n	n	n	1	1	3	5	3	n
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (AMJ)	n	n	n	n	3	16	24	24	22	17	n	n	n	n	2	3	4	7	2	n
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JAS)	n	n	n	n	2	16	27	26	21	12	n	n	n	n	1	2	4	6	1	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	n	n	n	n	2	15	25	21	25	15	n	n	n	n	1	1	2	4	1	n

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

Table B-2. -- 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
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	9	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
SE Georg. Bank (JFM)	4	8	n	19	20	22	23	n	n	n	n	2	21	12	15	12	6	6	6	15	15	11	10	10	5
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	15	9	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n
SE Georg. Bank (AMJ)	1	4	1	9	17	18	22	n	n	n	5	11	24	17	19	12	7	7	10	7	5	4	6	4	5
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	13	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
SE Georg. Bank (JAS)	n	2	n	7	13	15	26	n	n	n	6	8	20	16	16	12	4	5	5	3	4	1	n	1	1
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	11	5	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n
SE Georg. Bank (DON)	2	7	1	15	20	25	29	n	n	n	n	3	22	10	14	8	4	4	5	15	13	7	4	5	4

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

Table B-2. (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																			
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JFM)	n	n	1	3	9	16	26	23	23	18	n	n	n	n	2	3	5	7	4	1
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (AMJ)	n	n	1	4	9	21	25	27	23	20	n	n	n	2	5	8	7	11	4	1
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JAS)	n	n	1	3	9	21	28	29	22	13	n	n	n	1	2	4	7	9	2	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	n	n	1	4	7	18	25	23	26	16	n	n	n	n	1	2	4	6	2	1

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

Table B-3. -- 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
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	10	6	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n
SE Georg. Bank (JFM)	6	12	2	23	23	23	24	n	n	n	1	4	21	12	16	13	7	7	6	18	19	17	12	11	6
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	17	11	5	1	n	1	1	1	1	2	2	1	n	n	1	1	n	n	n	2	2	1	1	n	n
SE Georg. Bank (AMJ)	5	10	3	15	20	21	25	n	1	n	10	16	27	22	22	16	13	13	11	13	13	11	11	10	7
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	16	4	6	n	n	1	n	3	5	3	1	1	n	n	n	n	n	n	n	1	n	n	n	n	n
SE Georg. Bank (JAS)	2	5	3	11	14	18	28	1	1	1	12	15	23	20	19	16	7	7	6	8	7	3	1	2	1
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	12	6	3	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n
SE Georg. Bank (DON)	5	14	4	22	21	29	30	n	1	n	n	3	23	11	15	9	5	5	6	22	19	14	6	8	6

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

Table B-3. (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																			
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JFM)	n	n	1	5	10	16	26	23	23	19	n	n	n	n	2	3	6	8	5	2
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	2	2	4	5	2	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (AMJ)	n	2	5	11	16	26	29	29	25	22	n	n	1	4	9	12	9	14	6	3
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	5	3	4	3	1	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n
SE Georg. Bank (JAS)	1	1	2	7	15	25	30	30	23	13	n	1	1	4	5	9	9	10	3	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	1	1	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	n	n	3	7	8	19	27	25	27	17	n	n	n	n	2	3	5	7	2	1

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

Table B-4. -- 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																								
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	23	27	23	26	23	24	25
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	25	30	26	26	29	26
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	26	25	21	23	28	24	24
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	26	24	27	26	26	26	27

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

Table B-4. (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																							
	E26	E27	E28	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JFM)	22	22	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (AMJ)	27	21	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JAS)	27	21	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	26	19	6	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 B-4. (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	
	S23	S24
Stellwgn. Bank (JFM)	n	n
Nantucket Shl. (JFM)	n	n
SE Georg. Bank (JFM)	n	n
Stellwgn. Bank (AMJ)	n	n
Nantucket Shl. (AMJ)	n	n
SE Georg. Bank (AMJ)	n	n
Stellwgn. Bank (JAS)	n	n
Nantucket Shl. (JAS)	n	n
SE Georg. Bank (JAS)	n	n
Stellwgn. Bank (OON)	n	n
Nantucket Shl. (OON)	n	n
SE Georg. Bank (OON)	n	n

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

Table B-5. -- 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																								
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	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
SE Georg. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	24	27	24	27	24	25	26
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	1	1
SE Georg. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	27	26	31	27	26	30	28
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	28	26	22	25	29	25	25
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	28	25	28	26	28	26	29

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

Table B-5. (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																								
	E26	E27	E28	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	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
SE Georg. Bank (JFM)	23	22	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	n	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (AMJ)	29	23	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	n	5	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JAS)	28	24	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	26	21	9	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 B-5. (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	
	S23	S24
Stellwgn. Bank (JFM)	n	n
Nantucket Shl. (JFM)	n	n
SE Georg. Bank (JFM)	n	n
Stellwgn. Bank (AMJ)	n	n
Nantucket Shl. (AMJ)	n	n
SE Georg. Bank (AMJ)	n	n
Stellwgn. Bank (JAS)	n	n
Nantucket Shl. (JAS)	n	n
SE Georg. Bank (JAS)	n	n
Stellwgn. Bank (OON)	n	n
Nantucket Shl. (OON)	n	n
SE Georg. Bank (OON)	n	n

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

Table B-6. -- 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																								
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n
SE Georg. Bank (JFM)	n	n	n	n	n	n	n	1	1	n	n	n	1	n	n	n	n	n	25	28	24	27	25	25	27
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	n	n	n	n	n	1	n	n	n	1	2	n	n	n	n	n	2	n	3	2	1	1	1
SE Georg. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	30	30	32	30	28	33	30
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	n	n	n	n	n	n	2	n	1	5	9	n	n	n	n	n	n	n	n	n	n	1	n
SE Georg. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	29	28	22	27	30	27	27
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	n	n	n	n	n	n	1	n	n	1	1	n	n	n	n	n	n	n	n	n	n	1	n
SE Georg. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	30	27	29	27	30	27	30

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

Table B-6. (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																								
	E26	E27	E28	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	n	2	1	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JFM)	25	22	8	2	1	1	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	1	1	n	6	3	2	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (AMJ)	30	27	17	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	n	9	9	8	1	7	n	1	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JAS)	51	26	13	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	n	3	2	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	29	22	10	1	1	n	n	1	n	1	1	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 B-6. (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	
	S23	S24
Stellwgn. Bank (JFM)	n	n
Nantucket Shl. (JFM)	n	n
SE Georg. Bank (JFM)	n	n
Stellwgn. Bank (AMJ)	n	n
Nantucket Shl. (AMJ)	n	n
SE Georg. Bank (AMJ)	n	n
Stellwgn. Bank (JAS)	n	n
Nantucket Shl. (JAS)	n	n
SE Georg. Bank (JAS)	n	n
Stellwgn. Bank (DON)	n	n
Nantucket Shl. (DON)	n	n
SE Georg. Bank (DON)	n	n

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

Table B-7. -- 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
Stellwgn. Bank (JFM)	n	n	10	19	6	n	1	17	3	17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	n	n	2	n	n	2	9	5	9	7	n	n	n	n	n	n	n	n	n	20	18	2	23
SE Georg. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	13	24	5	7	n	n	n	10	n	n	2	n
Stellwgn. Bank (AMJ)	n	n	8	21	5	n	n	21	1	18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	n	n	2	n	n	1	4	4	10	7	n	n	n	n	n	n	n	n	n	22	16	4	24
SE Georg. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	11	23	7	8	n	n	n	9	n	n	n	n
Stellwgn. Bank (JAS)	n	n	9	23	5	n	n	21	2	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	n	n	1	n	n	n	4	2	10	6	n	n	n	n	n	n	n	n	n	22	16	2	20
SE Georg. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	9	22	7	8	n	n	n	6	n	n	n	n
Stellwgn. Bank (DON)	n	n	9	21	8	n	n	20	4	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	n	n	1	n	1	2	7	3	11	6	n	n	n	n	n	n	n	n	n	18	16	1	22
SE Georg. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	13	25	5	8	n	n	n	7	n	n	1	n

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

Table B-7. (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																							
	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46	T47	T48	T49
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	2	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
SE Georg. Bank (JFM)	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	5	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
SE Georg. Bank (AMJ)	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	4	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
SE Georg. Bank (JAS)	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	3	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n

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

Table B-7. (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																								
	T50	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71	T72	T73	T74
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	n	n	n	n	n	n	n	3	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	n	n	n	n	n	n	n	4	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	n	n	n	n	n	n	n	7	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	n	n	n	n	n	n	n	3	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	n	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 B-7. (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							
	T75	T76	T77	T78	T79	T80	T81	T82
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	n	n	n	n	n	n
SE Georg. Bank (JFM)	n	n	n	n	n	3	8	n
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	n	n	n	n	n	n
SE Georg. Bank (AMJ)	n	n	n	n	n	4	11	n
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	n	n	n	n	n	n
SE Georg. Bank (JAS)	n	n	n	n	n	3	9	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	n	n	n	n	n	2	9	n

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

Table B-8. -- 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
Stellwgn. Bank (JFM)	n	n	11	20	7	n	1	17	4	17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	1	1	4	n	1	5	11	8	12	8	n	n	n	n	n	2	1	n	2	20	19	3	24
SE Georg. Bank (JFM)	n	n	n	n	2	1	2	n	1	n	3	8	n	15	25	6	12	1	1	n	15	4	n	7	1
Stellwgn. Bank (AMJ)	n	1	11	22	7	n	n	21	3	18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	1	2	3	n	1	4	5	8	12	10	n	n	n	n	2	5	2	n	2	24	16	5	26
SE Georg. Bank (AMJ)	n	n	n	n	n	1	1	n	n	n	n	2	1	15	25	11	14	n	n	n	13	1	n	3	n
Stellwgn. Bank (JAS)	n	n	11	25	6	n	n	22	2	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	n	1	2	n	2	2	5	3	12	8	n	n	n	n	n	2	4	n	1	22	17	2	21
SE Georg. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	2	n	13	25	9	12	n	n	n	11	n	n	5	n
Stellwgn. Bank (DON)	n	1	11	22	10	n	n	21	5	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	1	2	4	n	2	5	9	6	15	11	n	n	n	n	n	2	1	n	n	19	17	2	22
SE Georg. Bank (DON)	n	n	n	n	1	n	1	n	1	n	2	5	1	14	26	6	13	2	n	n	12	2	n	5	1

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

Table B-8. (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																							
	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46	T47	T48	T49
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	2	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n
SE Georg. Bank (JFM)	5	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	6	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n
SE Georg. Bank (AMJ)	5	n	9	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	4	18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n
SE Georg. Bank (JAS)	2	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	4	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
SE Georg. Bank (DON)	5	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n

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

Table B-8. (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																							
	T50	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71	T72	T73	T74
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	n	n	n	n	n	n	n	6	14	n	1	1	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JFM)	n	n	n	n	n	n	n	n	n	2	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	n	n	n	n	n	n	1	9	18	n	n	n	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (AMJ)	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	n	n	n	n	n	n	3	12	15	n	n	1	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JAS)	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
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	n	n	n	n	n	n	1	6	16	n	n	2	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	n	n	n	n	n	n	n	n	n	1	5	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 B-8. (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							
	T75	T76	T77	T78	T79	T80	T81	T82
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	n	n	1	n	n	n
SE Georg. Bank (JFM)	n	n	n	n	1	5	11	n
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	n	n	2	n	n	n
SE Georg. Bank (AMJ)	n	n	n	n	n	7	14	n
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	n	n	1	n	n	n
SE Georg. Bank (JAS)	n	n	n	n	n	4	9	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	n	n	n	n	n	5	12	n

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

Table B-9. -- 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
Stellwgn. Bank (JFM)	n	1	11	20	8	n	1	17	4	17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	1	2	6	n	2	6	11	9	12	9	n	n	n	n	1	2	3	n	2	20	19	3	24
SE Georg. Bank (JFM)	n	n	4	6	10	3	10	7	9	7	12	14	n	15	25	7	13	2	2	n	17	8	3	9	5
Stellwgn. Bank (AMJ)	n	1	11	23	7	n	n	21	3	19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	2	3	4	n	1	5	5	10	13	12	n	n	1	n	5	7	7	n	5	24	16	8	26
SE Georg. Bank (AMJ)	n	1	2	3	3	2	6	2	4	2	4	9	1	18	28	15	21	5	1	n	19	6	n	10	2
Stellwgn. Bank (JAS)	n	n	11	25	7	n	n	22	2	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	n	n	1	3	3	n	2	3	5	4	12	8	n	n	n	n	1	5	9	2	2	23	17	4	22
SE Georg. Bank (JAS)	n	n	n	n	n	n	1	n	1	n	1	5	n	16	27	14	16	4	1	n	13	3	1	8	1
Stellwgn. Bank (DON)	n	1	12	22	10	n	n	21	5	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	1	3	3	5	n	2	6	11	6	15	13	n	n	n	n	n	3	2	1	2	20	18	3	23
SE Georg. Bank (DON)	n	1	1	2	6	1	6	3	7	3	9	12	1	14	26	7	14	5	3	n	16	7	1	13	4

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

Table B-9. (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																							
	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39	T40	T41	T42	T43	T44	T45	T46	T47	T48	T49
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	2	13	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	3	n	n	n
SE Georg. Bank (JFM)	8	4	4	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	7	n	n	n
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	7	18	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n
SE Georg. Bank (AMJ)	13	2	15	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	1	9	n	n	n
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	o	19	n	n	4	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	3	n	n	n
SE Georg. Bank (JAS)	o	2	11	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	2	6	n	n	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	5	18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n
SE Georg. Bank (DON)	10	6	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n	n	n

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

Table B-9. (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																								
	T50	T51	T52	T53	T54	T55	T56	T57	T58	T59	T60	T61	T62	T63	T64	T65	T66	T67	T68	T69	T70	T71	T72	T73	T74
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	n	n	n	n	n	n	1	6	14	1	1	3	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JFM)	1	1	n	n	n	n	n	n	1	4	11	1	2	2	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	1	n	n	n	n	n	n	n	4	13	20	n	1	5	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (AMJ)	n	n	n	n	n	n	n	n	1	5	8	n	n	1	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	5	2	n	n	n	1	3	3	8	16	16	2	3	8	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (JAS)	1	n	n	n	n	n	n	n	2	4	4	n	n	1	n	n	n	n	n	n	n	n	n	n	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	1	n	n	n	n	n	n	1	3	7	17	n	n	4	n	n	n	n	n	n	n	n	n	n	n
SE Georg. Bank (DON)	n	n	n	n	n	n	n	n	2	5	12	n	1	2	n	n	n	n	n	n	n	n	1	n	n

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

Table B9. (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							
	T75	T76	T77	T78	T79	T80	T81	T82
Stellwgn. Bank (JFM)	n	n	n	n	n	n	n	n
Nantucket Shl. (JFM)	n	n	1	n	1	n	n	n
SE Georg. Bank (JFM)	n	n	1	n	1	6	11	n
Stellwgn. Bank (AMJ)	n	n	n	n	n	n	n	n
Nantucket Shl. (AMJ)	n	n	n	n	3	n	n	n
SE Georg. Bank (AMJ)	n	n	n	n	3	12	16	1
Stellwgn. Bank (JAS)	n	n	n	n	n	n	n	n
Nantucket Shl. (JAS)	1	2	3	1	4	n	n	n
SE Georg. Bank (JAS)	n	n	n	n	3	8	10	n
Stellwgn. Bank (DON)	n	n	n	n	n	n	n	n
Nantucket Shl. (DON)	n	n	n	n	1	n	n	n
SE Georg. Bank (DON)	n	n	n	n	2	5	12	n

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