## 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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#### 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 significance of accidental oilspills is that the problem is fundamentally 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 Since it cannot be predicted with certainty be exercised. 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.

summarizes results of an oilspill-risk analysis conducted This report 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; 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 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 if oil is found?"

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 rate (expressed as spills per billion barrels spill tanker 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 From 1974 through 1980, the data base contains than the earlier models. 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 perbillion barrels produced or transported, used in this report are:

	$\geq 1,000$ bbl	≥10,000 bb1	1,000-10,000 bb1
Platforms	1.0	0.44	0.56
Pipelines	1.6	0.67	0.93
Tankers	1.3	0.65	0.65
At Sea In Port	0.9 0.4	0.50 0.15	0.40 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 Similar estimates were also calculated for production and proposed leases. transportation of oil from existing leases and for transportation of oil The assumption was made that only imported from other areas by tanker. 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 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 spills and probabilities of one or more spills from expected number of tankers "in port" are:

	Expected Number		Probability of	
Source	<u>&gt;</u> 1,000 bbls	<u>&gt;</u> 10,000 bbls	one or >1,000	more <u>&gt;</u> 10,000
Imports	9.68	3.63	>.995	•97
Proposal, Mean Case	.04	•02	.04	•02
Proposal, High Case	•06	•02	•06	•02

Oilspills ( $\geq 1,000$  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  $\lambda$  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,  $\lambda$  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. 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 the appropriate row of the matrix. given in 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.

hypothetical oilspill trajectories were simulated in Monte Five hundred 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 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 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. (1) the effects of wind and currents The assumptions used are as follows: 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 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.

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:

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

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 =  $\frac{1}{2}$ ,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 <u>nt</u> targets and <u>nl</u> launch points, the conditional probabilities can be represented in a matrix form. Let [C] be an <u>nt</u> x <u>nl</u> matrix, where each element  $\underline{c(i,j)}$  is the probability that an oilspill will hit target  $\underline{i}$ , given that a spill occurs at launch point  $\underline{j}$ . 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  $\underline{nl}$  launch points and  $\underline{ns}$  production sites; the dimensions of [S] are  $\underline{nl}$  x  $\underline{ns}$ . Let each element  $\underline{s(j,k)}$  be the expected number of spills occurring at launch point  $\underline{j}$  due to production of a unit volume of oil at site  $\underline{k}$ . These spills can result from either production or transportation. The  $\underline{s(j,k)}$  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  $\underline{nt}$  x  $\underline{ns}$ , is termed the unit risk matrix because each element  $\underline{u(i,k)}$  corresponds to the expected number of spills occurring and contacting target  $\underline{i}$  due to the production of a unit volume of oil at site  $\underline{k}$ .

(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  $\underline{v(k)}$  responds to the volume of oil expected to be found at production site  $\underline{k}$ . Then, if [L] is a vector of dimension  $\underline{nt}$ , where each element  $\underline{l(i)}$  corresponds to the expected number of contacts  $\underline{to}$  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  $\underline{n}$  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  $\underline{P(n,i)}$  is the probability of exactly  $\underline{n}$  contacts to target  $\underline{i}$ , then:

$$P(n,i) = [1(i)^{n} * exp(-1(i))]/n!$$

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 decision-maker 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. 17 through 21 compare similiar cirumstances but for oilspills greater than Tables 22 through 26 compare the probabilities of one or 10,000 barrels. 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 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 <u>high</u> 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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#### BASE MAP FOR NORTH ATLANTIC LEASE OFFERING

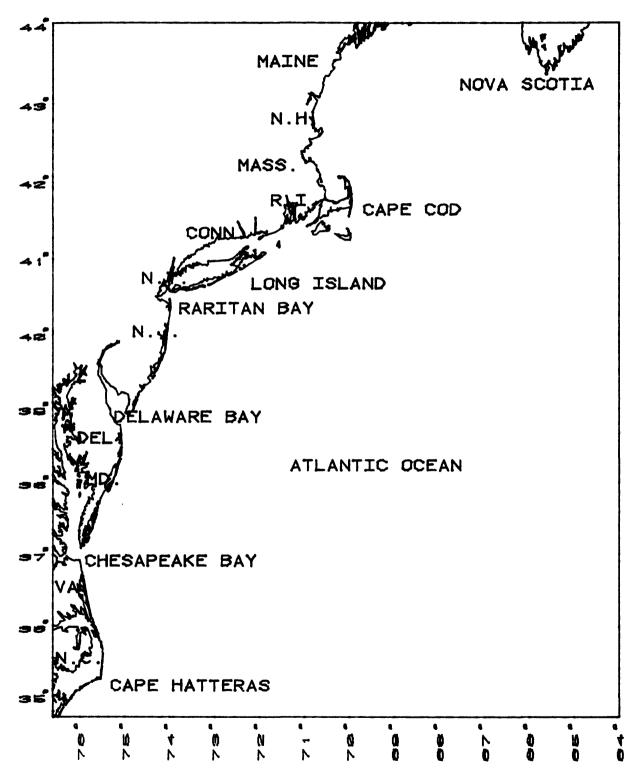


Figure 1. -- Map showing the North Atlantic study area.

#### LAUNCH AREAS FOR NORTH ATLANTIC LEASE OFFERING

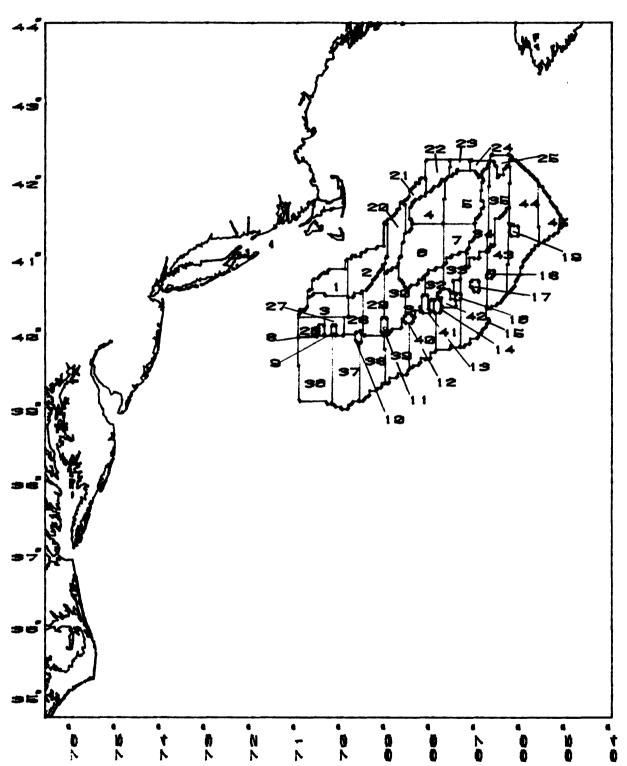


Figure 2. -- Map showing the proposed leasing areas (numbered P1-P45) for the North Atlantic Lease Offering.

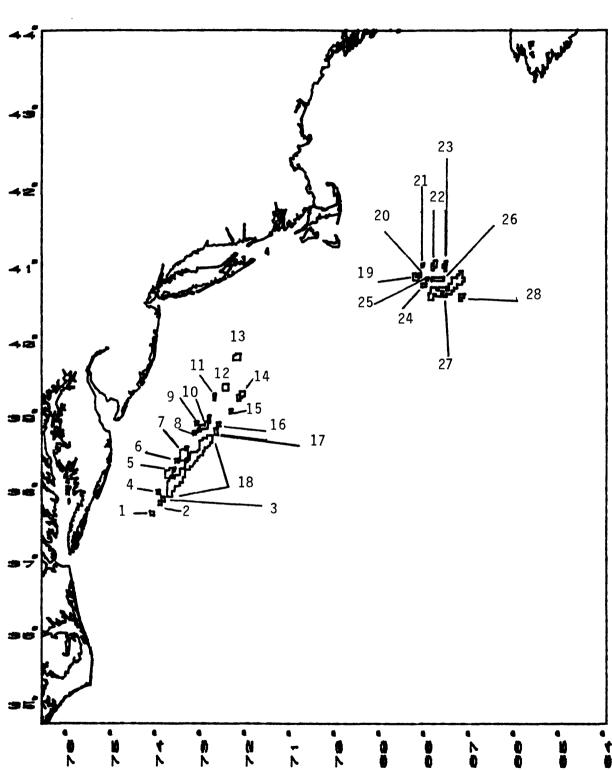


Figure 3. -- Map showing the existing lease tract groups (E1-E18 and E19-E28) in the study area.

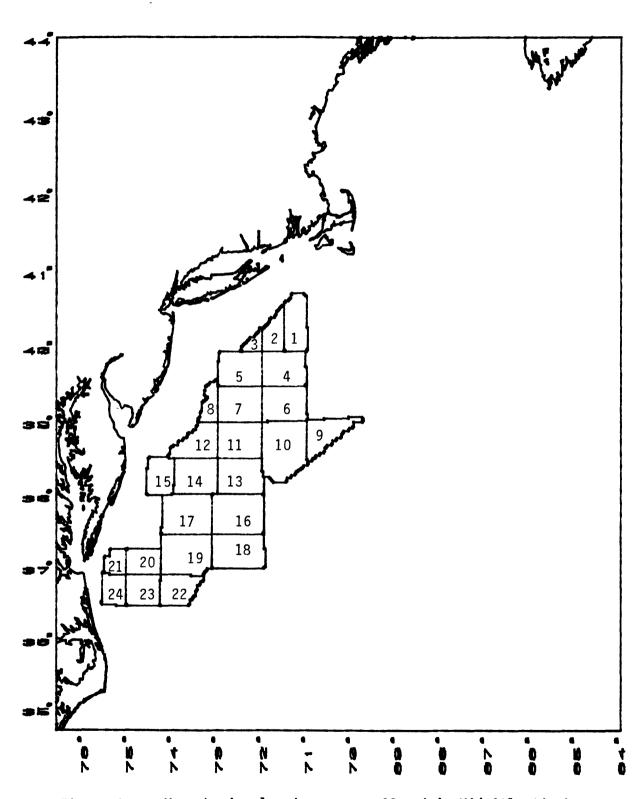


Figure 4. -- Map showing leasing areas offered in Mid-Atlantic Lease Sale 76 (April 1983).

#### TRANSPORTATION ROUTE SEGMENTS

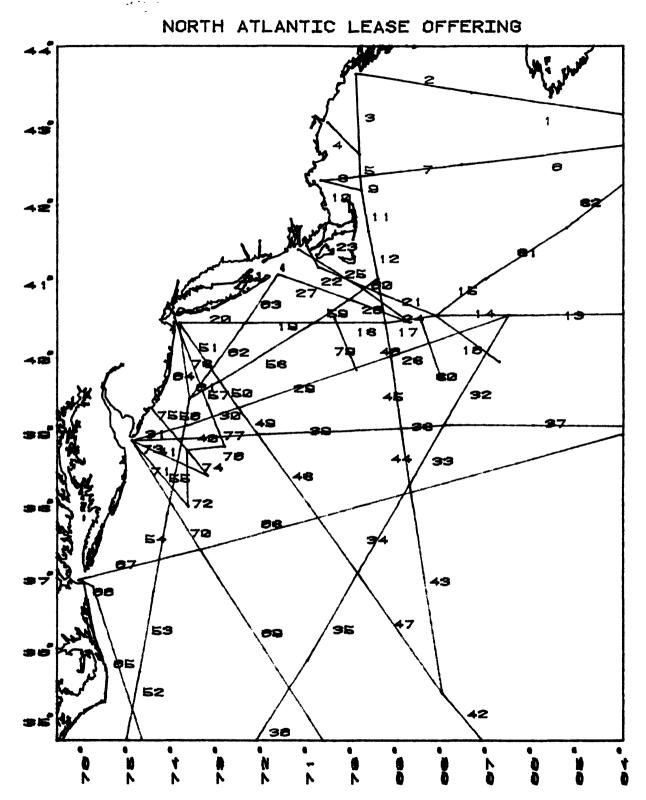


Figure 5. -- Map showing transportation route segments (numbered 1-82).

#### LAND SEGMENTS (SET 1)

## NORTH ATLANTIC LEASE OFFERING

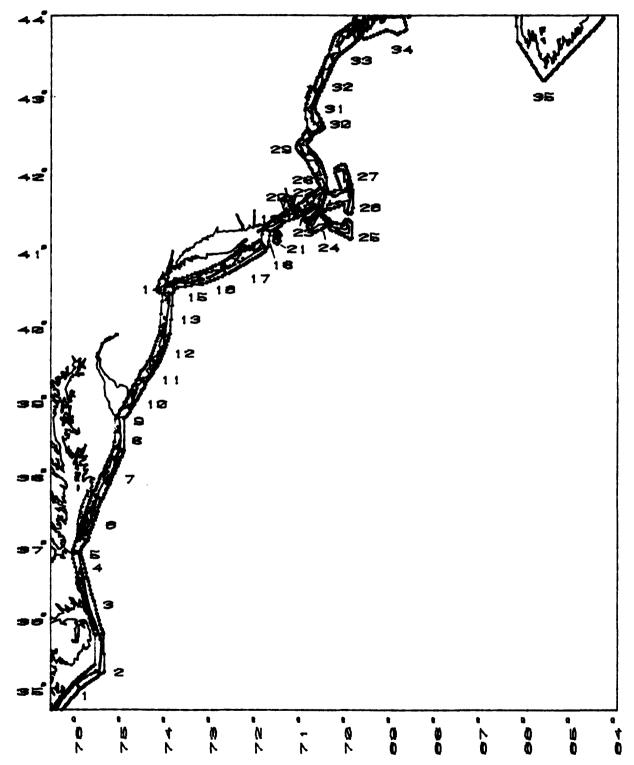


Figure 6. -- Map showing division of the shoreline into segments of approximately equal length (numbered 1-35).

#### LAND SEGMENTS (SET 2)

## NORTH ATLANTIC LEASE OFFERING

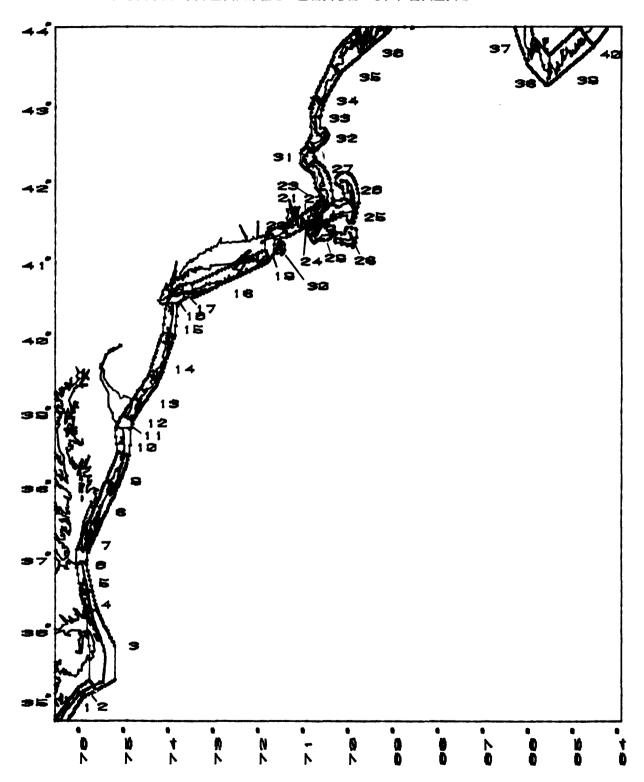


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Table 1. -- Expected number of spills and probability of one or more spills

Expected Number of Spills	$\frac{\text{Platforms}}{\text{>1K} \text{>}10K} \frac{\text{Transportation}(6)}{\text{>}1K} \frac{\text{Total}(6)}{\text{>}1K} \frac{\text{Platforms}}{\text{>}1K} \frac{\text{Transportation}(6)}{\text{>}1K} \frac{\text{Transportation}(6)}{\text{>}1K} \frac{\text{Transportation}(6)}{\text{>}1K}$	.25 .11 .40 .17 .65 .28 .22 .10 .33	, .70 .31 .79 .38 1.49 .69 .50 .27 .55 .32	) .21 .09 .19 .10 .40 .19 .19 .09 .17 .10 .19 .09 .17 .10 .19 .08 .17 .10 .10 .19 .08 .17 .08 .16 .10 .19 .08 .17 .09 .36 .17 .17 .08 .16 .09 .18 .08 .16 .09 .34 .17 .17 .08 .15 .09	) .30 .13 .27 .15 .57 .28 .26 .12 .24 .14 .27 .12 .24 .14 .21 .27 .12 .24 .11 .21 .13 .27 .12 .24 .11 .21 .13 .27 .12 .24 .11 .21 .13 .26 .24 .11 .21 .13 .26 .11 .26 .24 .11 .20 .12	
ed Number of Spills		.11	0 .31 .79	60.00.00.00.00.00.00.00.00.00.00.00.00.0	.13 .12 .11	
Expect	Volume (Bbbls)		48.378(3)		.301(5) .3(274 .271 .259	
	Source	Existing Leases	Sale /6 (4/25/83) Imports (Incl. S-78)	Proposal, Mean w/50 Mi del w/60 M del w/Canyon del	Proposal, High w/50 Mi del w/60 M Del w/Canyon Del	NOTES

N. Atl. Existing Leases have zero volume, Mid-Atl. leases pipeline to Atlantic City. 1/3 pipeline to Atlantic City, 2/3 tankered to Delaware Bay. 35.5

Sale 78 portion (.228), 20% tankered to Chesapeake Bay, 80% tankered to Delaware Bay; assume 1/2 tanker spill outside of NATL82 area.

In mean case, 65% tankered to Raritan Bay, 35% tankered to Delaware Bay.

In high case, 50% tankered to Raritan Bay, 50% tankered to Delaware Bay. 5.

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	50	NUMBER 100	BER OF TRIALS 200	ALS 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	0.62	0.01
13 0	0.08	90.0	0.04	0 .0 .0	6.02	0.01
Ú.20	0.09	0.07	0.05	0.03	0.02	0.01
0.25	0.10	0.07	90.0	0.03	0.62	0.02
0.30	0.11	0.08	0.05	0.03	0.02	0.02
0.35	0.11	0.08	90.0	0.04	0.02	0.02
0.40	0.11	0.08	90.0	0.04	0.03	0.02
0.45	0.12	0.08	90.0	0.04	0.03	0.02
0.50	0.12	0.08	0.00	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							Нуро		ical	Spi	ב ב		u o											
•	P.	P 2	P 3	<b>b</b> 4	PS	P 6	P 7	P 8	ь 6	P10	111	P12 F	Р13 Р	P14 P1	5 P1	6 P1	7 P18	P19	P 20	P21	P 2 2	P 2 3	P 2 4	P 2
Land	-	-	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	_
Coastal Waterbirds	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	<b>C</b>
Sea Duck Wintering	35	52	4	c	c	~	c	c	c	c	c		c				c	c	٥	<b>-</b>	c	c	c	c
Z	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	<u>د</u> . ،	c
S	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	ç	C
c. Nest	c	c	c	c	c	c	c	c	د	۲.	c		c				c	c	c	c	c	c	۲	C
. Fal	c	c	c	_	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	c
head Tu	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	c
a l	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	c
Oyster Srounds	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	c
Blue Crab Grounds	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	C
	c	c	c	c	c	c	c	c	c	c	c		·c				c	c	c	c	c	c	c	C
Harbor Seal Rook.	<b>c</b>	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	C
Coastal Marshes	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	<b>C</b>
Natl. Widife. Refug.	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	c
St. Widif. & Nt. Ar.	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	c
Sanc	~	~	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	c
Nongov. Widif. & Nt.	c	c	c	c	c	c	c	c	c	<b>c</b>	c		c				c	c	c	c	c	c	c	Ç
Right W	c	~	c	c	c	c	c	c	c	c	c		c				c	c	-	c	c	c	c	C
Georges Bank Crest	c	=	c	66	6	26	06	_	c	c	c		~				_	-	25	63	27	34	19	S
Strm. Bd. Sg.	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	c
Strm. Bd. Sg.	c	c	c	c	<b>c</b>	<b>c</b>	c	c	c	c	c		c				c	c	c	c	c	c	c	c
Strm. Bd.	c	c	c	<b>c</b>	c	c	c	c	c	<b>c</b>	c		c				c	c	c	c	c	c	c	C
Strm. Bd. Sg.	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	c
Stellwagen Bank	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	C
Nantucket Shoals	3.8	14	_	c	c	c	c	c	c	c	c		c				c	c	_	c	c	c	c	c
ŝ	c	c	c	7	14	14	56	c	c	c	c		. 03	2			4	S	-	c	_	2	2	_
<b>/</b> F	~	~	-	c	c	c	c	c	c	c	c		c				c	c	_	c	c	c	c	c
Clam	c	ב	_	c	c	c	c	<b>c</b>	c	c	c	_	c	c	c -	<b>c</b>	c	c	c	c	c	c	c	c
Soft Clam Grounds	c	c	c	c	c	c	c	c	c	c	c		c				c	c	c	c	c	c	c	c

Note: \*\* = Sreater 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	P 2 6	P27	P 28	P29	P30	P31	нуроt F32 Р	thetic P33 P3	al S	pill 5 P3	Loca 6 P37	tion P38	P39	D 7 0	P41 P	4 S P	43 P	d 77	7 2 6	1 62	63	79	6.5
Land	c	c	c	c	c						c		c	c	c						c	c	c
Coastal Waterbirds	c	c	c	c	c						c	C	c	c	c						c	c	c
Sea Duck Wintering	c	c	9	10	4						c	c	c	c	c						c	c	c
ey Nesting	c	c	c	c	c						c	c	c	c	c						c	c .,	c
Ē	c	c	c	c	c						c	c	c	c	c						c	c	c
•	c	۲	c	c	c						c	c	c	c	c						c	c	c
. Fal	c	c	c	c	c						c	c	c	c	c						c	c	c
erhead Tu	c	۲	c	c	¢						c	c	c	c	c						c	c	c
	c	c	c	c	c						c	c	c	c	c						c	c	c
	c	c	c	c	c						c	c	c	c	c						c	c	c
Blue Crab Srounds	c	c	c	c	c						c	c	c	c	c						c	c	c
Inshore Lobster	c	c	c	c	c						c	c	c	c	c						c	c	c
Harbor Seal Rook.	c	c	c	c	c						c	c	c	c	c						c	c	c
tal Mars	c	c	c	c	c						c	c	c	c	c						c	c	c
ıte.	c	c	c	c	c						c	c	c	c	c		,				c	c	c
wiblf. 8	c	۲	c	c	c						c	c	c	c	c						c	c	c
e Marine Sa	c	c	c	c	c						c	c	c	c	c						c	c	c
ov. widif. &	c	c	c	c	c						c	c	c	c	c						c	c	ç
Right w	c	c	c	c	c						c	c	c	c	c						c	c	c
ges Ban	c	c	c	9	19			~	_		c	c	c	c	_						-	4	~
. Bd. Sg.	c	c	c	c	c	c	c	c c	c	c	c	c	c	c	c	_	٠.	<u>د</u>	c c	c	c	c	c
Strm. Bd. S	c	c	c	c	c						c	c	c	c	c						c	c	c
Strm. Bd. Sg.	c	c	¢	c	c						c	c	c	c	c						c	c	c
lf Strm. Bd	c	<b>c</b>	c	c	c						c	c	c	c	c						c	c	c
c	c	c	c	c	c						c	c	c	c	c						c	c	c
e	c	c	-	<b>-</b>	c						c	c	c	c	C						c	c	c
E Georges Ban	c	c	c	c	7			~			c	c	c	~	~						m	17	7
j. Hmp./F	c	c	c	c	c						c	c	c	c	c						c	c	c
ard Clam	c	r	c	c	c						c	c	c	c	c						c	c	c
Soft Clam Grounds	c	c	c	c	c						c	c	c	c	c						c	c	c

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.

Taryet							нуро		c a l	Spill		atio											
	36	37	F 1	E2	E3	£ 4	ES E6	ш	7 E		E1(	0	E12	E13	E14	E15 E	E16 E	E17 E	E18 E1	19 E2	0 E21	1 E2	2 E23
Land	c	_	c	c	c	c	c						c	c	c	c	c	c			•	c	c
astal Waterb	_	c	c	_	c	c	c						c	c	c	c	c	c				c	c
Sea Duck Wintering	c	c	c	c	c	c	_						c	c	c	c	c	c				c	c
Osprey Nesting Areas	c	c	c	c	c	c	c						c	c	c	c	c	c				<u>د</u> ۰۰	c
Bald Eagle Nesting	c	c	<b>c</b>	c	c	c	c						c	c	c	c	c	د				<b>د</b> 	c
Pereg. Falc. Nest.	<b>c</b>	<b>c</b>	c	<b>c</b>	c	c	c						c	c	c	c	c	c				۲.	c
Pereg. Falc. Migr.	c	_	c	c	c	c	_						c	c	c	c	_	c				c	c
rhead Tu	c	c	c	_	c	c	c						c	c	c	c	<b>c</b>	c				c	c
Srey Seal Rookeries	c	c	c	<b>c</b>	c	c	c						c	c	c	c	c	c				c	c
	c	c	c	<b>c</b>	<b>c</b>	c	c						c	c	c	c	c	c				c	c
Blue Crab Grounds	c	<b>c</b>	c	c	c	c	_						c	c	c	c	_	c				_	c
Inshore Lobster	c	c	c	c	c	c	_						c	c	<b>c</b>	c	c	c				c	c
Harbor Seal Rook.	c	c	_	c	c	c	c						c	c	c	c	c	c				c	c
Coastal Marshes	<b>c</b>	c	c	c	c	c	c						_	c	c	c	c	c				c	c
Nati. Aldife. Refug.	_	c	c	c	<b>c</b>	c	c						c	<b>c</b>	c	c	_	c				c	c
	c	_	c	c	c	c	_						c	c	c	c	c	c				. C	c
State Marine Sanc.	c	c	c	c	c	c	c		1				_	c	c	c	c	c				c	c
	c	c	c	c	c	c	<b>c</b>						c	c	c	c	c	c				c	ċ
ghtw	c	c	c	c	_	_	c						<b>c</b>	c	c	c	c	c				c	c
eorg	2	-	c	c	c	c	c						c	c	c	_	c	<b>c</b>	*	*	*	#	71
Strm. Bd. Sg.	c	c	-	c	c	-	c						c	c	c	c	c	c				c	c
Strm. Bd. Sg.	c	<b>c</b>	c	c	c	_	c						c	c	c	_	_	c				c	c
Strm.	c	<b>c</b>	c	c	<b>c</b>	c	c						c	c	c	c	c	c				c	c
Gulf Strm. Bd. Sg. 4	c	c	c	c	<b>c</b>	c	<b>c</b>						c	c	c	c	c	c				C	c
Stellwagen Bank	c	_	_	c	c	c	c						c	c	<b>c</b>	c	c	c				c	c
Nantucket Shoals	c	c	c	c	c	c	c						c	c	_	c	c	_				c	c
99	12	7	c	c	c	c	c	c	c	c		c	c	c	c	c	c	c	n 35	5 34	35	35	34
p. / F	c	c	<b>c</b>	c	c	c	c						_	c	c	c	c	c				c	c
rd Clam	c	c	c	c	c	<b>c</b>	c						c	c	c	c	c	c				c	c
Soft Clam Srounds	c	_	c	c	c	_	د						c	c	c	c	c	c				c	c

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						I	0	. <u>.</u> .	al Sp	11:	•	-											
	E 24	E 2 S	E 2 6	E27 E	28 S	_		23 84	\$ \$	86	25	88	68	S10	S 118	12	S 1 3 S	14 S,	15 51	6 51	7 518	\$19	s 20
Land	c	c	c	c	c	c			c	c	c	c	c	c	c							c	-
Coastal Waterbirds	c	c	c	c	c	c			c	c	c	c	c	c	c						c	۵	c
Sea Duck Wintering	c	c	c	c	c	_			c	c	c	c	c	c	c						c	c	c
sprey N	c	c	c	c	c	c			c	c	c	c	c	c	c						c	د . ،	c
d Eagle Ne	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c • .	c
ereg. Falc.	c	c	c	c	c	c			c	c	c	c	c	c	c						c	۵,	c
Pereg. falc. Migr.	c	c	c	c	c	c			c	c	c	c	c	c	c						c	<b>C</b>	c
Turtl	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	c
<b>Grey Seal Rookeries</b>	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	c
Oyster Grounds	c	c	c	c	د	c			c	c	c	c	c	c	c						c	c	c
Blue Crab Grounds	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	c
bste	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	د
l Ro	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	c
Coastal Marshes	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	<b>c</b>
fe.	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	c
රු	c	۲	c	c	c	c			c	c	c	c	c	c	c						c	<b>C</b>	c
ne Sa	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	c
dif. &	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	ç
Whale	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	c
č	25	25	7 7	15	2	c			c	c	c	c	c	c	c						c	c	c
. Sg.	c	c	c	c	c	c	د د	c	c	c	c	c	c	c	c	c	c	c	c	c	∞	د	7
Bd. S	c	c	c	c	c	c			c	c	c	c	c	c	c						_	c	c
Bd. Sg.	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	c
Bd. S	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	c
30	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	c
Shoa	c	c	c	c	c	_			c	c	c	c	c	c.	c						c	c	c
ō	34	34	35	22	œ	c			c	c	c	c	c	c	c						c	c	c
<pre>J. Hmp./f</pre>	c	c	c	c	c	2			c	c	c	c	c	c	c						c	c	c
ard Clam Ground	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	c
Soft Clam Grounds	c	c	c	c	c	c			c	c	c	c	c	c	c						c	c	c

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							Hypoth	et i c	al Sp	pill	Loca	tion									-		
	S21	<b>S</b> 2 2	\$23	S 2 4 1	_	2.			16	17	- -	61	110		112	113 1	7	15 1	16 T	17 11	8 11	9 12	0 121
Land	4	c	-	,	0.	3			c	2	22	14	33	21	٥			c				œ	c
Coastal Waterbirds	2	c	c	4	c	0			c	c	M	-	4	4	-			_				∞	c
Sea Duck Wintering	~	c	c	c	c	~			c	c	15	~	18	=	53			c		_		-	17
Osprey Nesting Areas	-	c	c	-	c	~			c	c	c	c	c	c	c			c				c	c
ag Le	-	c	c	c	c	~			c	c	c	c	c	c	c			c				c	c
alc.	c	c	c	c	c	c			c	c	_	c	c	c	c			c				c	c
Fal	-	c	c	-	c	~			c	c	~	c	4	~	7			c				c	c
head 1	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c	c	c	c	<b>c</b>	c	c	c	<b>c</b>	<b>C</b>	c
ء ۔	c	c	c	c	c	c			c	c	c	c	c	c	c			c				c	c
Oyster Grounds	-	c	c	c	c	c			c	c	c	c	-	M	M			c				<b>c</b>	c
Blue Crab Grounds	-	c	c	c	c	c			c	c	c	c	c	c	c			c				c	c
Inshore Lobster	c	c	c	c	c	12 1			c	7	34	14	<b>43</b>	20	~			c				c	c
Harbor Seal Rook.	c	c	c	c	c				c	c	c	c	c	c	c			c				c	c
Coastal Marshes	-	c	c	c	c	c			c	c	•	c	9	c	c			c				~	¢
Natl, Widife, Refug.	~	c	c	4	c	~			c	c	c	c	c	M	7			c				_	c
St. Widif. & Nt. Ar.	c	c	c	c	c	c			c	c	-	-	7	7	c			c				c	c
State Marine Sanc.	c	c	c	c	c	c			c	~	<b>5</b> 8	25	9 7	32	15			c				c	c
÷.	-	۲	c	c	c	2			c	c	c	c	c	c	c			c				_	ç
1ght W	c	c	c	c	c	c			c	-	18	4	<b>4</b>	16	21			c				c	c
C	c	c	c	c	c	c			_	2	c	c	c	c	~			~	_			c	36
Strm. Bd.	c	-	4	<b>,-</b> -	c	c			c	c	c	c	c	c	c			c				c	c
Strm. Bd.	c	c	c	c	c	c			c	c	c	c	c	c	c			c				c	<b>c</b>
ulf Strm. B	c	c	c	c	c	c			c	c	c	c	c	c	c			c				c	c
Gulf Strm, Bd. Sg. 4	c	c	c	c	c	c			c	c	c	c	c	c	c			c				_	c
Stellwagen Bank	c	c	c	c	c	<u>د</u>		-	c	~	22	_	29	-	c			c				c	c
antucket Sh	c	c	c	c	c	c			c	~	~	20	16	۲,	23			c				c	-
9	c	c	c	c	c	c			<b>c</b>	c	c	<b>c</b>	c	c	c	_		_				c	10
Hmp./F	c	c	c	c	c	_			c	-	54	~	54	25	2.2			c				c	c
Hard Clam Grounds	c	c	c	c	c	c			c	c	2	c	m	c	c			c				~	c
Soft Clam Grounds	c	c	c	c	c	_			c	c	ς.	c	~	c	c			c				c	<b>c</b>

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							Нуро	thet	ical	Spi	-	ocati	6											
	122	123	124	125	126	127	128	12		_	32	33 1		135 1	36 13	7 13	8 139	17	0 141	142	143	177	145	971
Land	12	63	c	31	c	4	c	c	c	13	c		c	c				c	17	c	c	c	c	c
Coastal Waterbirds	4	35	c	14	c	M	c	c	c	12	c		c	c				c	=	c	c	c	c	c
Sea Duck Wintering	99	29	36	28	37	92	c	c	c	12	c		c	c				c	14	c	c	c	c	5 6
Osprey Nesting Areas	~	<b>C 2</b>	c	٥	c	<b>c</b>	c	c	c	_	c	c	c	c	_	c	c	c	_	c	c	c	c	c
ald Eagle Ne	c	c	c	c	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c
ereg. Fa	c	۲	c	c	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c
. Falc. M	v	33	c	15	c	m	c	c	c	~	c		c	c				c	4	c	c	c	c	c
Loggerhead Turtle	c	c	c	c	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c
<b>Grey Seal Rookeries</b>	4	-	c	7	c	c	c	c	c	c	c		c	c				C	c	c	c	c	c	c
Ground	ב	7	c	2	c	c	c	c	_	c	_		c	c				c	c	c	c	c	c	c
	c	ב	c	c	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c
s	c	5 2	c	15	c	c	c	c	c	c	c		c	_				_	c	c	c	c	c	c
Seal Ro	c	c	c	c	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c
tal Marshes	c	S	c	7	c	c	c	c	c	10	c		c	c				c	=	c	c	c	c	c
ildife. Ref	c	~	c	~	c	9	c	c	c	c	c		c	c				c	c	c	c	c	c	c
	c	<b>5</b> 8	c	S	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c
larine Sa	77	*	-	7.4	-	œ	c	c	c	c	c		c	c				c	c	c	c	c	c	c
Nongov. Widif. & Nt.	c	<del>-</del>	c	~	c	c	c	c	c	c	_		c	c				c	c	c	c	c	c	ç
Maj. Right Whale Fd.	~	۲	_	-	c	c	c	c	c	c	c		c	c				_	c	c	c	c	c	-
Seorges Bank Crest	-	c	=	c	7	c	c	c	c	c	c		c	_				c	c	c	c	c	c	7
rm. Bd.	c	c	c	c	c	c	c	c	c	c	c		c	c				<b>C</b>	c	c	c	c	c	c
rm. B	c	c	c	c	c	c	c	c	c	c	c	_	_	c				c	c	c	c	c	c	c
rm. Bd. Sg.	c	c	c	c	c	c	c	c	c	c	_	_	6	c				c	c	c	7	12	c	c
rm. Bd. S	c	c	c	c	c	c	c	c	c	c	~		c	c	2			c	c	c	c	~	c	c
Stellwagen Bank	c	c	c	c	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c
antucket Sh	62	29	∞	88	12	40	c	c	c	c	c		c	c				C	c	c	c	c	c	₩
Ban	c	_	<del></del>	c	-	c	4	c	c	c	c		c	c				c	c	c	c	c	c	c
Mj. Hmp./Fn. Whl. Fd	~	-	<del>-</del>	~	c	16	c	c	c	c	c		_	c				c	c	c	c	c	c	-
rd Clam	7	28	c	17	c	-	c	c	c	œ	c		c	c				c	2	c	ç	c	c	c
Soft Clam Grounds	-	=	c	M	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c

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	,	i			;		Hypot	thetic		Spill	Loc	ation	,			,	;		,	'	ì	;	٠
	/ 5	7 7	651	150	151	- 751	9	<b>-</b>	^	-	2	<b>-</b>	100	161	791	591	70	691	00	0 - 0	0 - 0	2 - ^	-
Land	c	<b>c</b>	c	c	×	c	د						~	-	c	<b>∞</b>	80		.2	~		9	7
Coastal Waterbirds	c	c	c	c	M	c	c						c	-	c	4	S		~	_		2	~
	c	c	c	c	9	c	c					_	89	c	c	17	~		~	2		∞	-
-	c	c	c	c	c	c	c						c	c	c	_	<b>-</b>		0	_		_	-
Bald Eagle Nesting	c	c	c	c	c	c	c						c	c	c	c	c		•	1		c	c
Pereg. Falc. Nest.	c	c	c	c	c	c	c						c	c	c	c	<b>-</b>		_ _	c		c	c
Pereg. Falc. Migr.	د	c	c	c	c	c	<b>-</b>						-	-	c	2	2		~	_		2	~
Loggerhead Turtle	د	c	c	c	c	c	c						c	c	c	c	<b>c</b>					c	c
<b>Srey Seal Rookeries</b>	د	c	c	c	c	د	<b>c</b>						c	<b>c</b>	c	c	c					c	c
Oyster Grounds	c	c	c	c	c	, c	c						c	c	c	c	, c					c	c
Blue Crab Grounds	c	c	c	c	c	c	c						c	c	c	c	c	_	_			c	c
Inshore Lobster	c	c	c	c	c	c	c						c	c	c	_	c					c	c
Harbor Seal Rook.	c	c	c	c	c	c	c						c	د	c	c	c					c	c
Coastal Marshes	c	c	c	c	2	د	c						c	c	c	~	4					~	~
Natl, Widife, Refug.	c	c	c	c	c	c	c						c	_	c	0	2					c	c
St. Widif. & Nt. Ar.	c	c	c	c	c	c	c						c	c	c	c	c					c	c
State Marine Sanc.	c	c	c	c	د	c	c						'n	c	c	c	c					c	c
Nongov. Widif. & Nt.	c	ر	c	c	c	c	c						c	c	c	c	c					c	ċ
Maj. Right Whale Fd.	c	c	c	c	c	c	c						~	C	c	c	c					c	c
	c	c	c	c	c	c	c						~	c	c	c	c					c	c
	c	c	c	c	c	188	<b>J</b>						c	c	c	c	c				_	c	-
	c	15	c	c	c	c	c						c	c	c	c	c					c	c
Gulf Strm. Bd. Sg. 3	c	c	c	c	c	c	c						c	c	c	c	c			_		c	c
	c	c	c	c	c	c	c						c	c	c	c	c			_		c	c
Stellwagen Bank	c	c	c	c	c	c	c						c	c	c	c	c					c	c
Nantucket Shoals	c	c	c	c	c	c	c					_	5.3	c	c	c	c					c	c
	c	c	c	c	c	c	c						c	c	C	c	c					c	c
Mj. Hmp./Fn. Whl. Fd	c	c	c	c	c	c	c	c	c	c c	c	2	M	c	۔ د	6	c	c	c	c	c	c	c
Hard Clam Grounds	c	c	c	c	_	<b>c</b>	c						c	c	c	_	c					~	~
Soft Clam Grounds	c	c	c	c	c	c	c						c	c	c	~	c					c	c

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.

Land		•							•	a	
Land	- 27 -	2	7	175	176	177	178	<u>ر</u>	0	-	182
	c	7	c	12	c	c	19	c		c	c
Coastal Waterbirds	c	~	c	10	c		۷	c		c	c
Sea Duck Wintering	c	٥.	c	c	c		7	~		c	c
Osprey Nesting Areas		c	c	c	c		M	c		c	c
Eagle Ne	c	c	c	c	c		c	c		c	c
Pereg. Falc. Nest.		c	c	~	c		c	c		c	c
Pereg. Falc. Migr.		~	_	_	c		<del>-</del>	c		c	c
rhead Turt		c	c	c	c		c	c		c	c
Grey Seal Rookeries	c	c	c	c	c		c	c		c	c
Oyster Grounds		_	c	c	c		c	c		c	c
Blue Crab Srounds		c	c	c	c		c	c		c	c
Inshore Lobster		_	c	c	c		c	c		c	c
Harbor Seal Rook.	c	c	c	c	c		c	c		c	c
tal Marshe		~	c	-	c		7	c		c	c
Nati, Widife, Refug.		_	c	9	c		-	c		c	c
St. Widif. & Nt. Ar.	c	c	c	~	c	c	c	c <b>c</b>	c	c	c
State Marine Sanc.		_	c	c	c		c	c		c	c
Nongov. Widif. & Nt.		c	c	c	c		c	c		c	c
Maj. Right Whate Fd.		c	c	c	c		c	c		c	c
rges		c	c	c	c		c	c		~	c
Gulf Strm. Bd. Sg. 1		_	_	c	c		c	c		c	c
<b>±</b>		_	c	c	c		c	c		c	c
f Strm. Bd.		_	c	c	c		c	c		c	c
Sulf Strm. Bd. Sg. 4	c	c	c	c	c		c	c		c	c
Stellwagen Bank		_	_	c	c		c	c		c	c
Nantucket Shoals	c	c	c	<b>c</b>	c		c	c		c	c
SE Georges Bank	c	_	c	c	c		c	c		13	c
Mj. Hmp./fn. Whl. Fd	c	_	c	c	c		c	c		c	c
Hard Clam Grounds	c	٠.	c	~	c		c	c		c	c
Soft Clam Grounds	c	_	c	c	c	c	c	c	c	c	c

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	9	P 2	P 3	<b>7</b> d	P5	P 6	нуро Р7	thet P3	ical P9	Spil	11 LO	ocation P12 P13	n 3 P14	P15	P16	P17	P 1.8	P19	P20 P	21 P	22 P	23 P	24 P	2.5
Land	2	~	-	-	~	c	c	د	c					c	c	c	c	c					_	0
Coastal Waterbirds	c	c	C	c	c	c	c	c	c					c	c	c	c	c						_
Sea Duck Wintering	41	54	0	2	c	۷	-	-	-	-	~	-	-	c	c	c	c	c	15	4	-	c		c
prey Nestin	c	د	c	c	c	c	c	c	ے					c	c	c	c	c						_
Bald Eagle Nesting	_	c	c	c	c	c	c	c	c					c	c	c	c	c						_
Pereg. falc. Nest.	c	c	د	c	c	c	c	c	c					c	c	c	c	c				-		_
Pereg. Falc. Migr.	~	-	c	c	c	c	c	c	د					c	c	c	c	c						_
Loggerhead Turtle	c	c	c	c	c	c	c	c	c					c	c	c	c	c						_
_	c	c	c	c	c	c	c	c	c					c	c	c	c	c						۔
Oyster Grounds	c	c	c	c	د	c	c	c	c					c	c	c	c	c						_
Blue Crab Grounds	c	c	c	c	c	c	c	د	c					c	c	c	c	c						_
Inshore Lobster	c	c	c	c	c	c	c	c	c					c	c	c	c	c	,					_
Harbor Seal Rook.	c	۲	c	c	c	c	c	c	c					c	<b>c</b>	c	c	c						_
Coastal Marshes	c	c	c	c	c	c	c	c	c					c	c	c	c	c						_
Natl. Widife. Refug.	_	-	c	c	د	c	c	c	c					c	c	c	c	c						_
St. Wldlf. & Nt. Ar.	c	c	c	c	Ç	c	د	د	c					c	c	c	c	c						_
e Sa	12	<b>x</b> 0	-	c	c	c	c	c	c					c	c	c	c	c						_
Nongov. Widif. & Nt.	c	c	c	c	c	c	c	c	c					c	c	c	c	c						۔
Maj. Right Whale Fd.	~	*	c	c	c	-	c	c	c					c	c	c	c	c						_
Georges Bank Crest	14	39	2	66	93	86	26	c	c	_	_		_	16	Ξ	œ	9	S			3		_	_
Gulf Strm. Bd. Sg. 1	-	c	~	c	c	c	c	-	-					c	c	c	c	c						_
Gulf Strm. Bd. Sg. 2	c	c	c	c	c	<b>c</b>	c	c	c					c	c	c	c	c						_
Gulf Strm. Bd. Sg. 3	c	c	c	c	c	c	c	c	c					c	c	c	c	c						_
. Bd. Sg.	c	c	c	c	c	c	<b>c</b>	c	c					M	~	-	-	c						_
Stellwagen Bank	c	c	c	c	c	c	c	c	c					c	c	c	c	c						_
Nantucket Shoals	67	22	9	-	c	-	c	-	-					c	c	c	c	c						_
SE Georges Bank	-	7	c	11	21	21	31	c	د		_		~	5 2	17	12	10	0						
Mj. Hmp./fn. whl. fd	~	2	<b>~</b>	c	c	-	c	د	c					c	c	c	c	c						_
Hard Clam Grounds	-	c	c	c	c	c	c	c	c					c	c	c	c	c						_
Soft Clam Grounds	د	۲	<b>c</b>	c	c	c	c	c	c					c	c	c	c	c						_

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	P 2 6	P 2 7	P 28	P29	P 30	P31	Hypo P32	theti P33 P	cal 34 P	Spil P35 P	1 Lo	catio 37 P3	8 P3	07d 6	P41	P42	P43	7 7 d	P 4 5	61	62	63	99	65
Land	c	c	-	-	c	c	c		_	_				c	c	c	c	-	c	c	c	c	c	c
Coastal Waterbirds	<b>c</b>	c	c	c	c	c	c		c	c				<b>c</b>	c	c	c	c	c	c	c	c	c	c
Sea Duck Wintering	-	~	10	15	œ	M	-		_	c				c	c	c	c	c	c	c	-	_	_	c
Osprey Nesting Areas	c	c	c	c	c	c	c		c	c				c	c	<b>c</b>	c	c	c	c	c	c	ç	c
Baid Eagle Nesting	c	_	c	c	c	c	c		c	c				c	c	c	c	c	c	c	c	C	ç	c
	c	c	c	c	c	c	c		_	c				c	c	c	c	c	c	c	c	c	ç	c
Pereg. Falc. Migr.	c	۲	c	c	c	c	c		c	c				c	c	c	c	c	c	<b>c</b>	c	c	c	c
Loggerhead Turtle	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c	c	c	c	c
Srey Seat Rookeries	c	c	c	c	c	c	c		c	c				c	<b>c</b>	c	c	c	c	c	c	c	c	c
Oyster Grounds	c	c	c	c	c	c	c		c	c				c	<b>c</b>	c	c	c	c	c	c	c	c	c
Blue Crab Grounds	c	c	c	c	c	c	c		_	c				c	c	c	c	c	c	c	c	c	c	c
Inshore Lobster	c	c	c	c	c	c	c		c	c				c	<b>c</b>	<b>c</b>	c	c	c	c	c	c	c	c
Harbor Seat Rook.	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c	c	c	c	c
Coastal Marshes	c	c	c	c	c	c	c		c	<b>c</b>				c	c	<b>c</b>	c	c	c	c	c	c	c	c
Nati. Aldife. Refug.	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c	c	c	c	c
St. Wldlf. & Nt. Ar.	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c	c	c	c	c
State Marine Sanc.	c	c	-	-	c	c	<b>c</b>		c	c				c	c	c	c	c	c	c	c	c	c	c
Nongov. Widif. & Nt.	c	r	c	c	c	c	c		c	c				c	c	c	c	c	c	c	c	c	c	c
Maj. Right Whale Fd.	<b>c</b>	c	_	-	c	c	<b>c</b>		<b>c</b>	c				c	c	c	c	c	c	c	c	c	c	c
Georges Bank Crest	c	-	~	23	38	37	, 5	45 3	4	٥	c	c	-	~	7	œ	ø	7	_	c	~	· •0	2	∞
rm. Bd. Sg.	-	-	~	c	c	c	c		c	c				c	c	c	c	c	c	c	c	c	c	c
.rm. Bd.	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c	c	c	c	c
.rm. Bd. Sg.	c	c	c	c	c	c	c		<b>c</b>	c				-	c	c	c	c	c	c	-	-	c	c
:rm. 8d. Sg.	c	c	-	~	M	m	_		c	c		_	_	14	10	S	-	c	c	c	S	10	S	_
_	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c	c	c	c	c
Nantucket Shoals	~	-	7	2	~	_	c		c	c				c	c	ć	c	c	c	c	c	c	c	c
SE Georges Bank	c	c	<del>-</del>	m	12	92	3.5	M	2 0	m				9	œ	_	13	•	~	c	-	_	33	4
j. Hmp./fn. Wht	-	-	~	~	-	c	c		c	c				c	c	c	c	c	c	c	c	c	c	c
rd Clam Gro	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c	c	c	c	c
Soft Clam Srounds	c	c	c	c	c	c	c		c	c				c	c	c	c	c	c	c	c	c	c	c

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							0	theti	ical	ā	_	atio	c										
	99	67	E 1	E 2	E 3	E 4	E 5		E7 E	E8	E9 E	E10 E1	1 E12	£13	E14	E15	E16 E	E17 E	E18 E	19 E2	50 <b>€ 5</b> .	E 2	2 E 2 3
Land	c	c	2	~	-	8	-	2	_	_	2	1	_	-	c	-	c	<b>c</b>					c
Coastal Waterbirds	2	c	-	-	-	-	_	<b>-</b>	c	_	_			c	<b>c</b>	c	c	c					c
Sea Duck Wintering	<b>c</b>	c	c		c	c	-	-	-	-				~	c	c	c	c					-
Osprey Nesting Areas	c	c	c		c	٦	c	c	c	c				c	<b>c</b>	c	c	c					c
Bald Eagle Nesting	c	۲	<b>c</b>		c	د	c	c	c	c				<b>c</b>	c	c	c	c					c
Pereg, falc. Nest.	<b>c</b>	c	c		c	c	د	c	د	<b>c</b>				c	c	c	c	<b>c</b>					c
, fal	5	c	c	c	5	c	-	c	<b>c</b>	c	c	c	E	2	c	د	c	c	c	c	c	C	c
Loggerhead Turtle	c	c	c		c	c	<b>c</b>	c	د	<b>-</b>				د	<b>c</b>	c	c	c					c
<b>Grey Seal Rookeries</b>	c	c	c		c	c	<b>c</b>	c	c	c				<b>c</b>	c	c	c	c					c
Oyster Grounds	c	c	c		c	c	<b>c</b>	c	c	c				c	c	c	c	c					c
Blue Crab Srounds	c	c	c		c	c	c	c	c	د				c	c	c	c	<b>-</b>					c
Inshore Lobster	c	c	c		<b>c</b>	c	د	c	c	<b>-</b>				c	c	c	c	c					c
Harbor Seal Rook.	c	c	c		c	c	c	c	c	c				<b>c</b>	c	c	c	c					c
Coastal Marshes	c	c	c		c	c	<b>E</b>	c	c	c				c	د	<b>c</b>	c	c					c
Natl, Widife, Refug.	c	c	-		c	-	-	-	c	c				c	c	c	c	<b>c</b>					c
St. Widif. & Nt. Ar.	c	۲	c		c	c	c	c	c	<b>c</b>				c	c	c	c	c					c
e Sa	c	c	c		c	c	د	c	c	د				c	c	c	c	c					c
: t.	<b>c</b>	c	c		c	c	<b>c</b>	c	c	ح				c	c	c	c	c					c
Maj. Right Whale Fd.	c	r	c		c	c	<b>c</b>	c	د	c				c	c	c	c	c					c
Seorges Bank Crest	9	7	c		c	c	<b>c</b>	c	<b>c</b>	c				c	<b>c</b>	c	c	<b>-</b>	-	*	_		7 8
Strm. Bd.	c	c	21	-	0	18		10	6	9				٣	<b>-</b>	-	~	2					c
Strm. Bd. S	c	c	c		-	c	-	-	<b>c</b>	<b>c</b>				c	c	c	c	c					<b>c</b>
Strm. Bd. Sq.	c	c	c	<b>c</b>	c	c	c	c	c	<b>c</b>				c	c	<b>c</b>	د	c					c
Sulf Strm. Bd. Sg. 4	c	c	c	c	c	c	c	c	c	c				<b>c</b> .	c	c	c	c					c
Stellwagen Bank	c	c	c	<b>c</b>	c	c	c	<b>-</b>	c	c				c	c	c	c	c					c
Nantucket Shoals	c	c	c	c	c	c	<b>c</b>	<b>c</b>	c	c				-	c	c	c	<b>-</b>					<b>c</b>
SE Georges Bank	16	œ	c	c	c	c	c	c	c	c				<b>C</b>	c	c	c	c		<b>*</b> 0			35
. Hmp./F	د	c	c	c	c	c	c	c	c	c				-	c	c	c	<b>c</b>					c
ard Clam	c	c	c	c	c	c	<b>c</b>	c	c	c				c	c	c	c	c					c
Soft Clam Grounds	c	c	c	c	c	c	c	<b>c</b>	c	c				c	c	<b>c</b>	c	c					c

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.

-	arget '	763	F 2 S	£ 2 K	£23	E 2 8	5	Hypot	thetic	als s	pill	Locat	, o v	0	210	11 51	2 513	217	215	415	217 6	18 51	•	0
		1	J	J	J	J		J	,	י	2	;	,		•	; -	,	•		)		•	,	
_	and	c	c	c	c	c	2				c	-	~	c			c	-	4	c				•
ن	oastal Waterbirds	c	c	c	c	c	c				c	c	-	c			c	c	-	c	c			۸.
S	ea Duck Wi	~	~	_	-	c	9				c	-	7	c			c	c	7	c	c			_
0	sprey Nesting Ar	C	c	c	c	c	c				c	c	c	c			c	c	-	c	c	٠,		_
9	ald	c	c	c	c	c	c				c	c	c	c			c	c	c	c	c	-		_
مَ	ereg	c	c	c	c	c	c				c	c	c	c			c	c	c	c	c			_
<b>a</b>	ereg. Falc. Migr.	c	ر	c	c	c	c				c	c	c	c			c	c	-	c	c	•		<b>,</b>
ت	oggerhead Turtle	c	c	c	c	c	c				c	c	c	c			c	c	c	c	c			_
(3	Srey Seal Rookeries	c	c	c	c	c	c				c	c	c	c			c	c	c	c	c			_
0	yster Grounds	c	د	c	c	c	<b>c</b>				c	c	<b>~</b>	c			c	<b>c</b>	c	<b>c</b>	c			_
83	tue Crab Grounds	c	c	c	<u></u>	c	c				c	د	c	د			c	c	c	c	c			_
<b>-</b>	nshore Lobster	c	c	c	c	<b>c</b>	c				د	c	د	c			c	c	c	c	c			_
Ξ	Harbor Seal Rook.	c	c	c	د	c	c				c	c	د	c			c	c	c	د	c			c
ن	Coastal Marshes	c	د	د	د	د	د				c	c	د	c			c	c	-	c	c			c
Z	atl. Aldife. Refug.	c	c	c	د	c	د				د	c	-	د			c	c	-	c	c			_
S	St. Widif. & Nt. Ar.	c	c	c	c	c	د				c	c	c	c			c	د	c	c	c			_
S	tate Marine Sanc.	<b>c</b>	c	د	c	<b>c</b>	~				د	c	د	c			c	c	c	c	c			_
Ż	ongov. Widif. & Nt.	c	c	c	c	د	c				<b>c</b>	د	c	c			c	c	c	c	c			_
Σ	aj. Right Whale Fd.	د	c	c	د	c	c				د	c	د	c			c	c	c	c	c			_
ق	eorges Bank Crest	89	83	25	33	10	_				د	c	c	c			c	c	د	c	c			_
قَ	Sq.	c	c	c	c	c	2				`c	7	s	c			_	9	œ	m		9	~	<b>~</b>
ίŠ	. 6s	<b>c</b>	c	c	c	c	د				_	c	c	_			~	-	c	∞	2	<b>5</b>		_
ق	Strm. Bd.	د	c	<b>c</b>	c	c	د				_	c	د	S			c	c	c	-	c			_
5	Strm. Bd. Sg.	د	c	-	_	~	د				<b>c</b>	c	د	_			c	د	د	د	c			_
S	c	c	c	c	c	c	<b>c</b>				<b>c</b>	c	c	c			c	C,	c	c	c			_
ž	antucket Shoals	-	-	c	د	c	11				د	د	-	د			c	c	د	c	c			_
S	E Georges Bank	35	35	36	30	16	c				c	د	د	c			c	c	c	c	c			_
Σ	j. Hmp./Fn. Whl. Fd	c	c	c	c	<b>c</b>	~				د	c	c	د			c	c	c	c	c			_
Ĭ	clam G	c	c	c	c	c	د	_	د د	c	c	c	c	c	د	c c	c	c	-	c	c	_	c	c
Sc	Clam Ground	c	c	c	c	c	c				c	c	c	c			c	c	c	د	c			_

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.

-	Taryet	\$21	525	\$ 23	\$24	11	1.2.	Hypot T3 T	thetic T4 T5	al T	Spill 6 T7	Loc 18	ation 19	110	111	112	113	114	115	116 11	17 11	11	1 6	20 12	-
-	<b>T</b>	17	•	~	9					ſ				5.5		17	c	c	c						
• `		- '	-	٠,	0 0					-				,	, .	- ^	= -	:	:						
_	ē	_	c	-	0									•	0	^	_	c	_						
٠,	Sea Duck Wintering	~	c	c	c									92	10	26	c	_	_		_				
J		7	c	c	-									c	c	c	c	c	c						
	Bald Eagle Nesting	~	c	c	-									c	c	c	c	c	c				-		
_	Pereg. Falc. Nest.	c	c	c	c									c	c	c	c	c	c						
_	Fa	4	c	c	~	c								9	5	9	c	c	c						
	rhead I	-	c	c	-									c	c	c	c	c	c						
٠	<b>Grey Seal Rookeries</b>	c	c	c	c									c	c	-	c	c	c						
J	Oyster Grounds	2	c	c	c									2	~	2	c	c	c						
	3tue Crab Grounds	~	c	c	c									c	c	c	c	c	c						
7	Inshore Lobster	c	c	c	c									24	23	9	c	c	c						
_	Harbor Seal Rook.	c	c	c	c									c	c	c	c	c	c						
J	Coastal Marshes	~	c	c	-									Φ	c	c	c	c	c						
~	vatl. Widife. Refug.	œ	c	-	'n									c	9	٥	c	c	c						
S	St. Widif. & Nt. Ar.	c	c	c	c									4	٥	c	c	c	c						
S	State Marine Sanc.	c	c	c	c									28	۲٦	5 2	c	c	c						
	Nongov. Widif. & Nt.	~	c	c	c									c	c	c	c	c	c						
Σ 15	laj. Right Whale Fd.	c	c	c	c									50	17	22	c	c	c						
(7)	Seorges Bank Crest	c	c	c	c						_			~	50	33	c	15	70		~				
٣	Gulf Strm. Bd. Sg. 1	13	53	3 8	21	c	c	c	د د	c	<b>c</b>	_	c	c	c	c	c	c	c	c c	۷	m	c	c	
ۍ	Strm. Bd.	c	9	-	c									c	c	c	c	c	c						
9	Strm.	c	c	c	c									c	c	c	c	c	c						
ς,	Sulf Strm. Bd. Sg. 4	c	c	c	c	c								c	c	c	-	~							
S	Stellwagen Bank	c	c	c	c									61	7	c	c	c	c						
z	Vantucket Shoals	c	c	c	c									54	20	35	c	c	c						
S	E Georges 6	c	c	c	c									c	c	2	<b>-</b> -	<b>5</b> 0	34						
2.	j. Hmp./	c	c	c	c	c								56	23	23	c	c	c						
I	ard	c	c	c	c									~	c	<del></del>	<b>c</b>	د	c						
S	soft Clam Grounds	c	c	c	c									œ	<del></del>	c	c	c	c						

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	122	123	124	125	126	127	нуро 128	thet 129	i ca l T30	Spi 131	132 L	ocati 133 I	on 34 T	35 13	56 13	7 13	3 13	0 1 4 0	7 (	1 142	143	771	145	971
pued	54	7.8	2		^	2.1	c	c	~	22							c		2.1	c	c	, ح	c	7
Coastal Waterbirds	6	7 5	c		· c	-	c	c	-	17							_	c	15	c	c	c	c	c
Juck	5 8	9	39		. 41	4.1	c	c	2	16							_	-	18	c	c	c	c	32
iing Are	~	23	c		c	4	c	c	c	~							2	c	7	c	c	c	ċ,	c
Eagl	c	c	c		c	c	c	c	c	c							c	c	c	c	c	c	۲.	c
3. Falc.	c	c	c		c	c	c	c	c	<del>-</del>							c	c	c	c	c	c	ے.	c
Pereg. Falc. Migr.	10	3.4	-		-	œ	c	c	c	2							c	c	•	c	c	c	. c	c
Loggerhead Turtle	c	c	c		c	۵	c	c	c	c							c	c	c	c	c	c	د	c
Srey Seal Rookeries	7	7	c		c	M	c	c	c	c							c	c	c	c	c	c	c	c
Oyster Grounds	c	7	c		c	c	<b>c</b>	c	٥	c							c	c	_	c	c	c	c	c
Blue Crab Grounds	c	c	c		<b>c</b>	c	c	c	c	c							c	c	_	c	c	c	<b>c</b>	c
Inshore Lobster	-	25	c		c	~	c	c	c	c							c	c	_	c	c	c	c	c
Harbor Seal Rook.	c	c	c		c	c	c	c	c	c							c	c	c	c	c	c	<b>c</b>	c
Coastal Marshes	c	9	c		c	-	c	د	c	13							c	c	13	c	c	c	c	c
Nati. Aidife, Refug.	-	5	c		c	œ	c	c	c	2							c	c	-	c	c	c	c	c
St. Widif. & Nt. Ar.	c	30	c		c	7	c	c	c	-							c	c	c	c	c	c	c	c
State Marine Sanc.	25	*	7		4	28	c	c	c	c							c	c	_	c	c	c	c	~
Nongov. Widif. & Nt.	c	~	c		c	c	٦	c	c	c							c	c	<b>C</b>	c	c	c	c	c
Maj. Right Whale Fd.	2	c	2		2	-	c	c	c	c							E	c	_	c	c	c	c	~
Georges Bank Crest	17	-	3.7		30	~	9	<b>,-</b>	c	c							<b>C</b>	c	c	c	c.	c	<del></del>	<b>5</b> 8
	c	c	c		c	c	c	c	4	~							c	M	~	c	c	د	c	c
	c	c	c		c	c	c	c	c	c		_					_	c	c	<b>c</b>	c	c	c	c
Gulf Strm. Bd. Sg. 3	c	c	c		c	c	c	c	c	c		7					4	c	c	c	œ	16	m	c
	c	c	~		-	c	7	_	c	c		-				M	~	c	c	c	9	31	21	7
Stellwagen Bank	c	c	c		c	c	c	ح	c	c							c	c	c	c	c	c	c	c
Nantucket Shoals	31	69	13		17	53	c	د	c	٥							c	c	c	c	c	c	c	0
SE Georges Bank	-	c	9		S	c	=	c	c	د							c	c	c	c	c	c	<b>-</b>	3
Mj. Hmp./fn. Whl. Fd	۰ ٔ	~	~		M	19	د	c	<b>c</b>	c							<b>c</b>	د	<b>C</b>	c	c	c	c	4
Hard Clam Grounds	15	34	c	52	c	∞ (	c	c	c	15	c	_	_	_	c c	c	c	c	œ	c	c	c	c	c
Soft Clam Grounds	2	73	c		E	2	<b>c</b>	c	c	<b>c</b>							C	c	c	c	c	c	c	<b>c</b>

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	17.7	8 7 1	1 / 0	ر ا	121	531	Hypot	theti	cal	Spill	Loc	ation	140	141	143	147	147		1 44 1	1 2 4	148 1	109	70 17	- 5
	-				-	J	٦	,	-	- >		-		5	J.	,		,	-		-	-	•	•
Land	c	c	c	7	20								7	5	2		_		80 1				_	_
Coastal Waterbirds	c	c	c	-	10								_	~	-									_
Sea Duck Wintering	c	c	c	2	10							-	09	~	2		~					•	_	_
Osprey Nesting Areas	c	c	c	c	7								c	c	c	2								
Bald Eagle Nesting	c	c	c	c	c								c	c	c	c						-		_
Pereg. Falc. Nest.	c	c	c	c	-								c	-	c	c								_
Pereg. Falc. Migr.	c	c	c	c	7								~	~	c	4								
Loggerhead Turtle	c	c	c	c	c								c	c	c	c								_
<b>Grey Seal Rookeries</b>	c	c	c	c	c								c	c	c	c								_
Oyster Grounds	c	c	c	c	c								-	c	c	-								_
Blue Crab Srounds	c	c	c	c	c								c	c	c	c			_					_
Inshore Lobster	c	c	c	c	c								-	c	c	M								_
Harbor Seal Rook.	c	c	c	c	c								c	c	c	c								_
Coastal Marshes	c	c	c	c	9								c	-	c	7								_
Nati, widife, Refug.	c	c	c	-	~								-	7	-	14								
St. Widif. & Nt. Ar.	c	c	c	c	c								c	-	c	_								_
State Marine Sanc.	c	c	c	c	c								16	c	c	4								
Nongov. Widif. & Nt.	c	c	c	<b>c</b>	c								c	c	c	c								_
k i gh t	c	c	c	c	c								9	c	c	c								_
Seorges Bank Crest	c	c	c	c	c								27	c	c	c								_
Strm.	c	c	~	7	-			_					c	7	~	-			_		_			
Strm. B	c	21	c	c	c								c	c	c	c					_			
Strm. Bd.	c	10	c	c	c								c	c	c	c								
Sulf Strm. Bd. Sq. 4	c	2	c	c	c								c	c	c	c								
Stellwagen Bank	c	c	c	c	c								c	c	c	c								
Nantucket Shoals	c	c	c	-	c								63	c	-	9								
SE Georges Bank	c	c	c	c	c								~	c	c	۰								
٠,	c	c	c	c	c								6	c	_	54								
Clain	c	c	c	c	2	c	c	c	c	1	c	-	-	-	c	7	٣	c	c	c	c	n 3	M	
Soft Clam Grounds	c	c	c	c	c								c	c	c	~								

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.

	172	173	174	175	176	177	ເດດ	179	130	131	-	
Land	2	12	7	8 (	7	7	8 2	c		c	c	
Coastal Waterbirds	_	2	c	15	c	-	-	c		c	c	
Sea Duck Wintering	-	12	-	~	~	_	11	S		c	c	
Osprey Nesting Areas	c	-	c	-	c	c	4	<b>c</b>		c	c	
Eagle Ne	c	c	د	c	c	c	c	c		c	c	
:	c	c	c	M	c	c	-	c		c	c	
Pereg. Falc. Migr.	c	M	c	~	c	c	m	c		c	c	
Loggerhead Turtle	c	۲	c	c	c	c	c	c		c	c	
Srey Seal Rookeries	c	c	c	c	c	c	c	<b>c</b>		c	c	
Oyster Grounds	د	c	c	<b>c</b>	c	c	c	c		c	<b>c</b>	
Blue Crab Grounds	c	c	c	c	c	c	c	c		c	c	
Inshore Lobster	c	c	c	c	c	c	c	c		c	c	
or S	<b>c</b>	c	c	c	c	c	c	c		c	c	
tal Ma	c	7	c	7	c	c	v	c		c	c	
1018	-	-	_	œ	-	c	~	c	c	c	c	
St. Widlf. & Nt. Ar.	<b>c</b>	c	c	4	c	c	c	c		c	c	
Sa	c	c	c	c	c	c	c	-		<b>c</b>	c	
Nongov. Widif. & Nt.	<b>c</b>	c	c	c	c	c	c	c		c	c	
light Wh	د	c	c	c	c	c	c	c		c	c	
Georges Bank Crest	c	۲	c	c	c	c	c	7	•	œ	_	
d. Sg.	10	9	٥	7	7	4		-		c	c	
Strm. Bd. S	-	c	c	c	c	c	c	c		c	c	
itrm. Bd. Sg.	c	c	c	c	c	c	c	c		c	c	
trm.	c	c	c	c	c	c	c	c	_	c	c	
Stellwagen Bank	c	c	c	c	c	c	c	c		c	c	
antucket Sho	c	c	c	c	c	_	c	4		c	c	
SE Georges Bank	c	د	c	c	c	c	c	c	-	15	c	
Q E H	c	د	c	c	c	c	c	7		c	c	
ard C	c	4	c	9	c	c	~	c		c	c	
Charles and a bear	,											

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	19	P 2	P 3	<b>6</b>	P 5	P 6	нур( Р?	thet P8	ical P9	Spil P10 P	11 LO	ocatio P12 P1	3 P1	4 P1	5 P1	6 P17	P18	P19	P20	P 2 1	P 2 2	P 23	P 24	P 2 5
Land	15	15	7	20	19	0	7	~	~							-	-	7	80	22	59	33	32	31
			•					-	-							•	•	•	-	•				•
מפונים שפונים מון מ	, נ	J L	J P	= -	٠.	= 0	= ^		- (							: (	: 1	:	•	: `	: ^		: 1	: 1
ea Duck wint	4	^	-	3	-	×	~	7	~							<b>C</b>	c	c	-	0	7	-	_	c
sprey Nesting Ar	-	c	-	c	c	c	c	c	c							<b>c</b>	c	c	c	c	c	c	۲.	c
ald Eagle Ne	c	c	c	c	<b>c</b>	c	c	c	c							c	c	c	c	c	c	c	ć	c
lc. Nest	c	c	c	c	c	c	c	c	c							c	c	c	c	c	c	c	<u>.</u> د	c
ereg. Falc.	~	~	_	c	c		c	c	c							c	c	c	-	c	c	c	ح.	c
rhea	c	۲	c	c	c		c	c	c							c	c	<b>c</b>	c	c	c	c	c	c
rey Seat	-	-	_	c	c		<b>c</b>	c	c							c	c	c	c	c	c	c	c	c
Oyster Srounds	-	-	c	c	<b>c</b>		c	c	c							c	c	c	-	c	c	c	c	c
luec	c	c	c	c	c		c	c	c							c	c	c	c	c	c	c	c	c
Inshore Lobster	-	-	-	c	c		c	c	c							c	c	c	_	c	c	c	c	c
Harbor Seal Rook.	c	c	c	c	c		c	c	c							c	c	c	c	c	c	c	c	c
Marshe	c	c	c	c	c		c	c	c							c	c	c	c	c	c	c	c	c
Nati. Widife. Refug.	<b>-</b>	-	-	c	c		c	-	c							c	c	c	<b>-</b>	c	c	c	c	c
- 4	<b>c</b>	c	c	c	c		c	c	c							c	c	c	c	c	c	c	c	c
arine Sa	19	12	9	_	<b>c</b>		<del>-</del>	7	~							c	c	c	9	7	-	c	c	c
	c	c	c	•	c		c	c	c							c	c	c	c	c	c	c	c	c
tht Whale	7	S	~	c	c		-	c	c							c	c	c	4	-	c	c	c	c
ank Cre	33	23	19	66	93		85	~	9			3 31				13	10	0	84	83	9	9 7	30	14
.m. Bd. Sg.	7	^'	6	د	c		c	6	6							c	c	c	c	c	c	c	c	c
.m. Bd. Sg.	7	-	4	c	c	<b>c</b>	c	7	9							c	c	c	c	c	c	c	c	c
m. Bd. S	~	_	~	۵	c	c	c	7	S							c	c	<b>c</b>	c	c	c	c	c	c
.m. Bd. Sg.	∞	0	7	4	~	30	2	4	7							œ	9	~	œ	~	-	-	-	_
Stellwagen Bank	c	c	c	c	c	c	<b>c</b>	<b>c</b>	c							c	<b>c</b>	<b>C</b>	c	c	c	Ç	c	c
Nantucket Shoals	24	23	13	~	_	4	-	2	9							c	c	c	œ	M	_	-	c	c
SE Seorges Bank	9	11	7	13	54	56	34	_	-							17	15	13	13	14	12	10	10	∞
HMP./F	-	۷	9	c	c	7	-	7	2							c	c	c	7	-	c	c	c	c
rd Clam	~	-	-	c	c	c	c	د	-	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
t Clam Ground	-	c	c	c	c	c	c	c	c							c	c	_	c	c	c	c	c	c

Note: \*\* = Sreater 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							y po	~	U	pit	۲٥	atio												
	P26	P 2 7	P 28	P29	P30	P31	P32 P	33 P	34 P	35 P	36 P3	7 P38	P39	P40	P41	P 4 2	P43	5 7 d	P 4 5	61	6.2	63	9 79	2
Land	4	~	9	7	7	~							c	c	c	-	-	•	~	~	_			
Coastal Waterbirds	~	-	-	-	c	c							c	c	c	c	c	c	c	_	c			
a Duck Wint	~	4	12	17	10	2							c	-	_	c	c	<u>ر</u>	c	_	<b>-</b>			
sprey Nesting Ar	c	-	-	c	c	c							c	c	c	c	c	c	c	c	c	•		
ald Eagle Nest	c	c	c	c	c	c							c	c	c	c	c	c	c	c	c	-		
ereg. Falc. N	c	r	c	c	c	c							c	c	c	c	c	c	c	c	c			
ereg. Fal	-	-	c	<b></b>	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
oggerhead Turtl	c	c	c	c	c	c							c	c	c	c	c	c	c	c	c			
ey Seal Rooker	c	•	-	c	c	c							c	c	c	c	c	c	c	c	c			
ter Ground	c	c	c	c	c	c							c	c	c	c	c	c	c	c	c			
e Crab Sr	c	c	c	c	c	c							c	c	c	c	c	c	c	c	c			
nore Lobste	c	c	-	c	c	c							c	c	c	c	c	c	c	c	c			
0	c	c	c	c	c	c							c	c	c	c	c	c	c	c	c			
stal Marshe	c	c	c	c	c	c							c	c	c	c	c	c	c	c	c			
widife.	-	-	-	c	c	c							c	c	c	c	c	c	c	_	c			
widif. &	c	c	c	c	c	c							c	c	c	c	c	c	c	c	c			
te Marine Sa	~	~	7	7	~	-							c	c	c	c	c	c	c	c	_			
Jov. Widi	c	c	c	c	c	c							c	c	c	c	c	c	c	c	c			
. Right Whale	-	۲	~	~	_	-							c	c	c	c	c	c	c	c	c			
96	90	6	17	33	67	9 7							~	7	٥	13	٥	9	~	_	7	~	_	
f Strm. Bd. Sg.	-	ന	. ~	7	-	c							c	c	c	c	c	c	c	٥	7			
Strm. B	œ	\$	M	<del></del>	c	c							c	c	c	c	c	c	c	7	~			
Strm. Bd. S	9	~	4	2	_	_							-	_	c	c	c	c	c	7	S			
f Strm. Bd. S	4	^	7	15	33	15				_	-	~	52	50	16	-	7	_	c	9	7	_		
llwagen Ban	c	c	c	c	c	c							c	c	c	c	c	c	c	c	c			
ucket Sh	∞	9	10	6	2	7							c	c	c	c	c	c	c	_	~			٠
E Georges Ban	-	-	2	-	50	3.1							2	11	14	16	17	٥	7	c	7	~	_	
. Hmp./fn. whi	m	۰,	2	7	~	_							د	c	د	c	د	c	c	c	_			
ard Clam Gro	-	-	-	-	c	c							c	c	c	c	c	c	c	c	c			
oft Clam Ground	c	c	c	c	c	c							c	<b>c</b>	c	c	c	c	د	c	c			
	9					,	1			4														

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	36	37	E1	E 2	£3	E 4	нуро Е 5	thet E6	ical E7	Spi E3	11 LO	ocatio E10 E1	on 11 E1	2 E13	E14	E15	E16	E17	E18 6	E19 E	20 E	21 E	22 E	23
	r	·	٠	•	•			,	,						•	ŕ		•			,	٠		u
Land	7	^	^	3	~	^	^	4		J	^			^	-	v	-				٥			•
Coastal Waterbirds	c	c	_	~	-	2	2	~		~	2			~	-	-					c			c
Sea Duck Wintering	-	c	c	c	c	-	-	<b>-</b>		7	7			7	-	-					9			m
Osprey Nesting Areas	c	c	c	c	c	c	c	<b>c</b>		c	c			c	c	c					c			c
le Nesti	c	_	_	c	c	c	c	c		c	c			c	c	c					c	-		c
Falc. Nest	c	c	c	c	c	c	c	c		c	c			c	c	c					c			c
Falc.	c	ر	-	-	c	-	-	-		-	<b>,</b> -			-	c	c					c			_
rhead Turt	c	ر	_	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
<b>Srey Seal Rookeries</b>	c	c	c	c	c	c	c	c		c	c			-	c	c					c			_
Oyster Grounds	c	~	c	c	c	c	c	c		c	c			c	c	c					c			_
Blue Crab Grounds	c	_	c	c	c	c	c	<b>c</b>		c	c			c	c	c					c			c
Inshore Lobster	c	c	c	c	c	c	c	c		c	c			c	c	c					c			c
8	c	c	_	<b>c</b>	c	c	c	c		c	c			c	c	c					c			c
Coastal Marshes	c	c	c	c	c	c	c	c		c	c			c	c	c					c			c
11911	c	c	-	-	-	~	-	_		2	<b>-</b>			-	c	-					c			c
	c	c	_	c	c	c	c	c		c	c			c	c	c					c			c
Marin	c	c	c	_	c	c	c	c		-	-			2	c	c					_			_
ongov. Widif.	c	c	c	c	c	c	c	c		c	c			c	c	c					c			_
ight Whale	c	_	c	c	c	c	c	c		c	c			c	c	c					_			-
ges Ban	10	7	c	c	c	c	c	c		~	~			9	c	c					*	*	00	٥
Strm. Bd. Sg.	c	c	4 5	4 ا	31	4.5	3.5		4	. 82	.9	2	_	18	12	14					c			_
	c	<b>c</b>	92	52	54	23	5.5			9	2	_	_	٥	13	16					c			c
Strm. Bd. Sg.	<b>c</b>	c	10	10	10	œ	6	œ		7	~			4	٥	6					c			c
Bd. Sg.	~	-	9	2	5	5	4	7		4	~			~	M	~				•	0			<b>∞</b>
Stellwagen Bank	c	c	c	c	c	c	c	c		c	c			c	c	c					c			c
Nantucket Shoals	<b>c</b>	c	c	_	c	c	c	_		2	~			-	c	c					7			Λ,
SE Georges Bank	50	=	_	c	c	c	c	<b>c</b>		c	c			c	c	c					8	M	M	~
Mj. Hmp./fn. whl. fd	c	c	_	c	c	c	c	c		c	c			~	c	c					_			_
Hard Clam Grounds	c	c	_	c	c	c	c	c		_	<b>-</b>			-	c	c					c			c
Soft Clam Srounds	c	c	_	c	c	c	c	c		c	c			c	c	c					c			_

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						_	V D O	٩	cal	ē	40	at	c											
	E 24	E 2 S	E 2 6	E27	E 28	S 1		S 3 S	•	2	S	S	89	S 10	S11	S12	513	S14	s15 s	S 16 S	S 17 S	18 S1	9 82(	20
Land	7	4	~	~	-	٥	~	œ	~	~		\$	c	c	-	9	c	~	۰	c	2		•	_
Coastal Waterbirds	c	c	c	c	c	~	~	~	_	<b>~</b> ∩		1 2	c	c	c	7	c	-	4	c			m	
Sea Duck Wintering.	S	2	~	~	-	10	×o	9	2	•		9	c	c	c	7	c	-	2	c			_	
Osprey Nesting Areas	c	c	c	c	c	_	>						c	c	c	-	c	c	_	c		• ·		_
Bald Eagle Nesting	c	c	c	c	c	c	c	c				c c	c	c	c	<b>c</b>	c	c	c	c		-		
Pereg. Falc. Nest.	c	c	c	c	c	c	c						c	c	c	c	c	c	c	c				
Pereg. Falc. Migr.	_	c	c	c	c	-	-						c	c	c	-	c	c	2	c				
Loggerhead Turtle	c	c	c	c	c	c	c						c	c	c	c	c	c	c	c				
Grey Seal Rookeries	c	۲	c	_	c	-	-						c	c	c	c	c	c	c	c				
Oyster Grounds	c	c	c	Ċ	c	<b>c</b>	c						c	c	c	c	c	c	c	c				
Blue Crab Srounds	c	c	c	c	c	c	c						c	c	c	c	c	c	c	c				
Inshore Lobster	c	c	c	c	c	_	-						c	c	c	c	c	c	c	c				
Harbor Seal Rook.	c	c	c	c	c	c	c						c	c	c	c	c	c	c	c				
Coastal Marshes	c	c	c	c	c	c	-						c	c	c	-	c	c	-	c				
Nati, Widife, Refug.	c	c	c	c	c	_	_						c	c	c	~	c	-	~	c				
St. Wldlf. & Nt. Ar.	c	c	c	c	c	c	c						c	c	c	c	c	c	c	c				
State Marine Sanc.	-	-	-	-	c	10	∞						c	c	c	-	c	c	c	c				
Nongov. Widif. & Nt.	c	c	c	c	c	c	c						c	c	c	-	c	c		c				
hale	-	-	-	c	c	_	_						c	c	c	c	c	c	c	c				
Seorges Bank Crest	22	32	61	0.7	13	12	٥.						c	c	c	<del>-</del>	c	c	c	c				
d. Sg.	c	c	c	c	c	10	12 1	_	_		_	~	-	~	12	27	7	23		S	_	~	S	
d. Sg.	c	c	c	c	c	S	9	_					~	<b>0</b> 0	15	14	14	25		2 2	~	~	~	
	c	c	c	c	c	7	7			_			13	15	10	2	13	0	7	S	_	_		
Sg.	12	10	-	10	10	4	~						2.5	12	S	~	7	4		4	2			
Stellwagen Bank	c	c	c	c	c	c	c						c	c	c	c	c	c	c	c				
Nantucket Shoals	7	7	2	_		19	16 1		_				c	c	c	~	c	c	_	c				
E Geo	38	38	3.8	34	22	_	-						c	c	c	c	c	c	c	c				
Mj. Hmp./Fn. whl. Fd	-	-	-	<b>c</b>	c	٥	~						c	c	c	-	c	c	c	c				
ard (	c	ŗ	c	c	c	M	~	~	c	2	c	ر -	c	c	c	-	c	c	2	c	- c	c c	C	
Soft Clam Grounds	c	c	c	د	c	c	<b>-</b>						c	c	c	c	c	c	c	c				

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	621	( ( )	500	627	-	7.	Hypo	thet	icat	Spi	11 6	cation	1	1	112	113	114	7.15	114	117	4	110	1001	
	,	,	,		-	-	,	·					•			:	:					:	)	;
Land	52	c	~	77	67										30	c	<b>-</b>	2			∞			∞
Coastal Waterbirds	-	c	_	13	c										7	c	c	c			2			_
Sea Duck Wintering	7	c	<b>c</b>	c	<b>c</b>										22	c	-	7			21			~
lesting Ar	2	c	c	~	c										c	<b>c</b>	c	c			-			c
	~	c	<b>c</b>	<del>-</del>	c										c	c	c	c			c			c
Pereg. Falc. Nest.	c	c	<b>c</b>	<b>c</b>	c										c	c	c	c			c			c
Pereg. Falc. Migr.	•	c	c	4	<b>c</b>										7	c	c	c			_			_
Loggerhead Turtle	-	c	<b>c</b>	<del>-</del>	c										<b>c</b>	c	c	c			c			c
Grey Seal Rookeries	<b>c</b>	c	<b>c</b>	<b>c</b>	c										-	c	c	c			_			<b>c</b>
Oyster Grounds	~	۲	c	c	c	c	-	~	-	c	1 2	2 2	~	•	~	c	c	c	c	c	c	-	_	c
Blue Crab Grounds	<b>~</b>	c	<b>c</b>	c	<b>c</b>										c	c	c	c			c			<b>c</b>
Inshore Lobster	<b>c</b>	c	<b>c</b>	<b>c</b>	<b>c</b>										7	c	c	c			_			<b>c</b>
Harbor Seal Rook.	<b>c</b>	c	c	<b>c</b>	c										c	c	c	c			c			c
Coastal Marshes	7	c	<b>c</b>	_	c										c	c	c	c			c			c
Natl. Widife, Refug.	12	c	_	10	<b>c</b>										9	c	c	c			-			c
St. widlf. & Nt. Ar.	c	c	<b>c</b>	<b>c</b>	c										-	c	c	c			c			<b>c</b>
State Marine Sanc.	c	c	د	<b>c</b>	<b>c</b>										<b>5</b> 8	c	<b>c</b>	c			æ			4
Nongov. Widif. & Nt.	2	c	<b>c</b>	c	c										c	c	c	c			c			<b>E</b>
Maj. Right Whale Fd.	c	c	c	c	c										22	c	c	c			7			~
Georges Bank Crest	_	c	c	<b>c</b>	-										51	-	22	25			59			~
Sg.	77	31	2 2	25	<b>c</b>										-	c	c	c			7			c
sg.	14	58	9 2	30	c										c	c	c	c			~			c
Gulf Strm. Bd. Sg. 3	4	12	0	9	<b>c</b>										c	c	c	c			M			_
. 6s	2	15	Φ	m	c										~	2	-	10			œ			~
Stellwagen Bank	<b>c</b>	c	<b>c</b>	c	c										c	c	c	c			c			<b>c</b>
Nantucket Shoals	c	c	c	<b>c</b>	<b>c</b>										39	c	-	_			17			٥
SE Georges Bank	c	<b>c</b>	c	c	c										∞	~	52	36			9			~
j. Hmp./fn. Whl	c	c	c	<b>c</b>	<b>c</b>										59	c	c	_			~			~
rd Clam	د	c	c	c	c										· ~	c	c	c			~			_
Soft Clam Grounds	c	<b>c</b>	c	c	c		~	2						<b>-</b>	-	c	c	c			-			c

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	122	123	124	4 125	5 126	127	H y p 128	othet T29	tica ( T30	l Spi T31	132 132	Locat T33	ion T34	135	1 98 1	137 1	138 1	39 1	71 071	11 14	2 14	3 14	71 7	971 5
Land	35	83	10	55	11	35	-	7	•	62	c	c	c	c	c			c	3 28					10
Coastal Waterbirds	-	77	-	54	-	17	c	-	٣	21	c	c	c	c	c	c	_	c	1 17	۲	c	c	c	
Sea Duck Wintering	9	61	4.1		75	97	-	-	5	19	c	c	c	c	c			c	3 21					33
Osprey Nesting Areas	4	5 6	c		c	.~	c	c	-	7	c	c	c	c	c									
Bald Eagle Nesting	c	c	c		c	c	c	c	c	c	c	٤	c	c	c									c
Pereg. Falc. Nest.	c	c	c		c	c	c	c	٤	_	c	c	c	<b>c</b>	c									c
Pereg. Falc. Migr.	=	35	_		7	10	c	c	-	7	c	c	c	c	c									-
Loggerhead Turtle	c	c	_		c	c	c	c	c	c	c	c	c	c	c									
<b>Grey Seal Rookeries</b>	∞	5	c		c	9	c	c	٤	c	c	c	c	c	c									
Oyster Grounds	-	۷	c		c	-	c	c	c	c	c	c	c	c	c									
Blue Crab Srounds	c	c	c		c	c	c	c	c	c	c	c	c	c	c									
Inshore Lobster	7	25	c	<del>*</del>	-	7	c	٤	c	c	c	c	c	c	c									_
Harbor Seal Rook.	c	c	C		c	c	c	c	c	c	c	c	c	د	c									
Coastal Marshes	c	~	c		c	2	c	<b>c</b>	-	14	c	c	c	c	c				_					
-	7	9	c		-	٥	c	c	2	4	c	c	٤	c	c									
St. Widif. & Nt. Ar.	c	30	c		د	M	c	۵	c	-	c	c	c	c	c									
	24	*			∞	38	c	-	~	c	c	c	c	c	c									
Nongov. Widif. & Nt.	c	<b>,-</b> -			c	-	c	c	c	c	c	c	c	c	c									
1ght W	7	c			₩.	~	c	c	c	د	c	c	c	c	c									
Seorges Bank Crest	32	S			17	3	14	7	٣	-	_	c	c	c	c									•
Strm. Bd. Sg.	-	-			~	4	c	10	21	15	c	c	c	c	c			~	-					
Bd.	c	c		_	-	-	c	9	7	7	c	c	_	_	c			_	~					c
Strm. Bd. Sg.	-	c		_	2	-	c	۲.	~	-	c	15	23	_	c									
Bd. Sg.	6	~	13	2	13	•	12	~	~	-	<b>5</b> 0	<b>4</b> 3	2.5	-	۰ ۲	4			3			-		15
Stellwagen Bank	c	c		c	c	c	c	c	c	c	c	c	c	c	c									
Nantucket Shoals	83	69	_	06	21	9	_	-	9	-	c	c	c	c	c									7
SE Georges Bank	S	c	-	~	13	~	16	-	c	c	<b>~</b> ∩	c	c	c	c									-
Mj. Hmp./fn. whl. Fd	-	₩	S	'n	S	21	_	-	_	c	c	c	c	c	c									•
Hard Clam Grounds	7	36	-	27	-	14	c	c	2	7 7	c	c	c	c	c				_					-
Soft Clam Grounds	~	7 (	c	•	c	4	c	c	c	c	c	c	c	c	c									c

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							٥	theti		Spil	۱ ده	Ξ.	č											
	147	147 143	149 150	150	151	152	<b>~</b>	5	155	•	57 1	53 15	9 16	0 161	162	163	164	165	166	167	168	691	0 2 1	1.71
rand	c	c	7	9		-	-		•	=				_	œ	92	39	54	83	12	c	c	14	6
Coastal Waterbirds	c	c	-	M	13	c	c			9					M	13	17	11	∞	9	c	c	9	~
Sea Duck Wintering	c	r	-	5		c	<b>c</b>			9					œ	<b>5</b> 8	16	c	~	S	c	c		9
sprey Nesting Ar	c	c	c	-	7	c	c			2					-	4	7	Ξ.	21	m	c	c	63	4
Bald Eagle Nesting	c	c	c	c	c	c	c			c					c	c	c	c	10	-	c	c	۳.	_
ereg. Falc. Nest	c	c	c	-	~	c	c			_					-	c	7	c	c	c	c	c	c.	c
٦	c	c	c	-	7	c	c			~					~	9	9	2	7	~	c	c	7	9
oggerhea	c	c	c	c	c	c	c			c					c	c	c	-	S	-	c	c	c	c
_	c	c	c	c	c	c	c			c					c	7	c	c	c	c	c	c	c	c
yster Gro	c	c	c	c	c	c	c			c					c	~	c	c	-	-	c	c	_	c
Crab	c	c	c	c	c	c	c			c					c	c	c	c	68	12	c	c	c	c
e Lobste	c	c	c	c	c	c	c			c					c	2	c	c	c	c	c	c	c	c
arbor Seal Ro	c	c	c	c	c	c	c			c					c	c	c	c	c	c	c	c	c	c
Coastal Marshes	c	c	c	-	٥	c	c			~					-	9	10	-	32	~	c	c	4	S
Nati. Widife. Refug.	c	c	-	2	7	c	c			4					M	17	6	œ	13	~	c	c	~	~
St. widif. & Nt. Ar.	c	c	c	c	-	c	c			_					c	7	-	c	c	c	c	c	c	c
State Marine Sanc.	c	c	<b>c</b>	7	-	c	c			-					~	13	c	c	c	c	c	c	c	c
Nongov. Widif. & Nt.	<b>c</b>	c	<b>c</b>	c	c	c	c			c					c	-	c	c	~	~	c	c	_	C
, Right Whale	c	c	c	c	c	c	c			ċ					c	c	c	c	c	c	c	c	c	c
s Bank	c	c	c	4	-	c	c	c	-	-	2 10	9 7 6	7 48	-	~	9	-	c	c	c	c	c	c	c
f Strm. Bd. Sg.	c	-	14	19	10	_	~	~	•	- 6				_	_	9	7	24	0	33	_	9	52	œ
S	c	54	13	m	7					9					~	-	7	16	~	28	12		9	_
Strm. Bd. Sg.	c	15	×	~	-		2	0		7					~	-	-	9	c	9	25	7	~	~
lf Strm. Bd. Sg.	c	13	~	~	-	12	13			2					2	M	-	2	c	S	8 2	œ	4	~
Stellwagen Bank	c	c	c	c	c	c	c			c					c	c	c	c	c	c	c	c	c	c
ntucket Sho	c	c	-	6	~	c	c			~					7	13	<del>-</del>	c	c	c	c	c	c	_
Georges Ban	c	c	c	c	c	c	c			c					c	-	c	c	c	c	c	c	c	c
). Hmp.	c	c	c	7	~	c	c			_					5	<b>5</b> 8	c	c	c	c	c	c	c	c
rd Clam Gr	c	c	c	~	7	c	c			₩	•				~	٥	9	c	c	c	c	c	3	S
Soft Clam Srounds	c	c	c	<b>c</b>	c	c	c			c					c	2	c	c	c	c	c	c	<b>c</b>	c

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							Hypo	thet	C	Spi	-	Location
	172	173	4	175	176	177	178	179		181	182	
Land	4	16		54	S	2	36	8		~	~	
Coastal Waterbirds	2	~		18	7	~	16	-		c	c	
Sea Duck Wintering	~	14		7	4	~	15	7		c	c	
prey Nesting	c	2		~	-	-	S	<del>-</del>		c	c	
Bald Eagle Nesting	c	c		c	c	<b>c</b>	c	c		c	c	
Pereg. Falc. Nest.	c	c		4	c	c	2	c		c	c	
re	-	4		4	-	-	2	_		c	c	
Loggerhead Turtle	c	c		c	c	c	c	c		c	c	
<b>Grey Seal Rookeries</b>	c	r		c	c	c	c	c		c	c	
Oyster Grounds	c	c		c	c	c	c	c		c	c	
Blue Crab Srounds	<b>c</b>	c		c	c	<b>c</b>	c	c		c	c	
Inshore Lobster	c	כ		c	c	c	c	c		c	c	
Harbor Seal Rook.	c	c		c	c	c	c	c		c	c	
~	c	4		S	<del>-</del>	_	œ	c		c	c	
Natl, widife, Refug.	-	2		10	7	_	2	_		c	c	
St. Widlf. & Nt. Ar.	c	c		7	c	c	c	c		c	c	
State Marine Sanc.	c	c		<b>-</b> -	<b>-</b>	_	-	4		c	c	
Nongov. Widif. & Nt.	c	c		c	c	c	c	c		c	c	
Maj. Right Whale Fd.	c	c		c	c	c	c	-		c	c	
Seorges Bank Crest	_	-		-	7	2	_	12	•	11	-	
Strm. Bd. Sg.	33	54		17	59	23	œ	œ		c	c	
Strm. Bd. S	21	1	~	2	14	12	~	S		c	c	
Strm. Bd. Sg.	^	~		-	•	7	-	4		c	c	
Sulf Strm. Bd. Sg. 4	4	~		-	M	~	<b>-</b>	9	•	2	c	
Stellwagen Bank	c	ر		c	c	c	c	c		c	c	
Nantucket Shoals	<b>-</b>	_		-	>	~	~	٥		c	c	
SE Georges Bank	c	c		c	c	c	c	~	•	17	~	
p./fn.	c	c		c	_	_	-	7		c	c	
Hard Clam Grounds	c	2	c	7	-	_	,	_	c	c	c	
Soft Clam Grounds	c	c		c	c	c	c	c		c	c	

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							ZYDG	120	_ C a	Spi		ocati	50											
	٢4	P1 P2 P3 P4 P5	P3	P4	P 5	9 d	P 2	P 8	6 4	P10	P11	P12 F	13 1	14 P	15 P1	P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 P20 P21 P22 P23 P24 P25	2	3 P 1 S	P 20	P 21	P22	P23	<b>P</b> 24	P 2 5
2.5	-	<b>-</b> -	c	c	c	c	c	<b>c</b>	c	c	c	c	c	c	۰.		c	c	c	c	c	c	c	c
Notes: ** # Greater than 99.5 percent; n # less than 0.5 percent. Rows with all values less than 0.5 percent are not shown.	ter t all	han valu	99.5 ies L	peress	cent	0.5	= les	s th	are	on a less than 0.5 percent.	erce show	, t												

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.

	121	c	c	c	c	c	<b>c</b>	c	c	c	c	c	c	ے	c	c	c	c	c	
	120 1				•	, .	-	•		c										
	119 1																			
										c										
	118	c	c	c	c	c	c	c	C	c	C	c	<b>C</b>	_	c	_	c	c	C	
	117	c	c	c	_	c	c	c	C	c	c	c	c	c	c	_	c	c	C	
	116	c	c	_	c	c	c	2	<b>c</b>	c	<b>c</b>	c	c	c	c	c	c	c	c	
	115	c	c	c	c	_	c	c	c	c	c	c	c	c	c	c	c	c	c	
	114	c	c	c	c	c	c	c	c	c	c	c	c	c	c	_	c	c	c	
	113	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	112	c	c	c	c	c	c	c	٠	7	c	c	c	c	c	c	c	2	c	
	111	c	c	c	c	c	c	c	-	٥	11	c	c	c	c	c	c	c	c	
	110	c	c	_	c	c	c	c	c	_	20	∞	~	د	c	c	c	c	c	
ion	61	c	c	c	c	c	c	c	c	-	13	_	c	c	c	c	c	c	c	
=	18	c	c	c	c	c	c	c	c	c	=	9	7	c	c	c	c	c	c	
=	17	c	c	c	c	c	c	c	c	c	-	c	c	c	c	c	c	c	c	
Spi	9 1	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
etical	15	c	c	c	c	c	c	c	c	c	7	-	c	c	c	c	c	c	c	
thet	7.1	c	<b>c</b>	_	c	c	_	c	c	c	c	c	c	•	٣	_	c	_	c	
Нуро	13 14	c	c	c	c	c	c	c	c	c	_	c	c	-	_	~:	œ	2	c	
	12	c	c	c	c	c	c	c	c	c	c	c	c	c	c	-	٧	7	c	
	11	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	20	
	S 2 4	c	•	٣	c	c	c	c	c	c	c	c						c	c	
	\$23	-	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	S 2 2	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>	<b>c</b>	c	c	c	c	
	S 2 1	c	c	~	_	-	c	c	c	c	c	c	c	c	c	c	c	c	c	
Land Segment		2	M	7	2	9	13	15	25	56	2.7	28	59	30	31	3.2	33	34	3.5	

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 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	. 221	123	123 124 125 126	125	126	127	Hypo 128	thetical T29 T30		Sp1	ll Locat T32 T33	ocati 133 1	tion T34	135 1	136 1	137 1	138 1	139 14	140 141	1 142	2 143	3 7 7 4 4	5 7 1 5	9 7 1 9	-
∞	c	c	c	c	c	c	c	c	c	_	c	c	c	c	c	c	c		2 د	<b>C</b>	c	c	c	c	
6	c	c	c	c	c	c	c	c	c	<b>∞</b>	c	c	c	<b>c</b>	c	_	c	_	8	_	<b>c</b>	C	c	c	
10	c	c	c	c	c	c	c	c	c	4	c	c	c	c	c	_	_	_	۳ م	<b>C</b>	c	c	c	c	
17		c	c	c	c	-	c	c	c	c	c	c	c	c	c	۔ د	۔ د	_	c	c	c	c	c	c	
20	<b>c</b>	-	c	2	c	c	c	c	c	c	c	c	c	c	c	_ c	c	_ c	<u>د</u>	c	c	c	c	<b>د</b> . ، .	
12	c	-	c	<b>c</b>	c	~	c	c	c	c	c	c	c	c	c	c	_	۔ د	c	c	c	c	Ċ	<u>د</u>	
22	c	^	c	<b>,</b>	c	c	c	c	c	c	c	c	_	c	c	۔ د	۔ د	- c	د د	<b>c</b>	<b>c</b>	c	c	c	
23	c	23	c	S	c	c	c	c	c	c	c	c	_	c	c	_	_	_	c	<u>د</u>	c	c	c	c	
54	~	28	c	12	c	c	c	c	c	<b>c</b>	c	c	_	۲	- -	_	_	_	c	<b>c</b>	c	<b>c</b>	<b>c</b>	c	
52	6	_	c	10	c	c	c	c	c	c	c	c	c	c	<u> </u>	- c	c	_	<b>c</b>	د -	c	<b>C</b>	c	c	

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

	171	c	c	c	c	<b>~</b>	m	-	c	c	c	c	c	c	c
	170	c	c	c	c	~	m	c	c	c	c	c	c	c	c
	169	C	c	c	c	c	c	c	c	c	c	c	c	c	c
	168	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	167	c	c	٣	7	c	c	c	c	c	c	c	c	c	c
	166	c	-	9 7	23	c	c	c	c	c	c	c	c	c	c
	165	7	~	7	c	c	c	c	c	c	c	c	c	c	c
	164	c	c	c	c	c	c	c	~	14	-	c	c	c	c
	163	c	c	c	c	c	c	c	c	c	c	~	<b>-</b>	4	c
	162	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	161	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	160	c	c	c	د	c	<b>c</b>	c	c	c	<b>c</b>	c	c	c	2
ion	159	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Il Location	158	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	157	c	c	c	c	c	c	c	c	c	c	c	c	c	c
I Spil	156	c	c	c	c	c	c	c	c	c	c	c	c	c	c
ical	155	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Hypothet ical	154	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Нуро	153	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	152	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	151	c	c	c	c	c	c	c	-	9	-	c	c	c	c
	150	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	671	c	c	c	c	c	c	_	c	c	c	c	c	c	c
	148	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	147	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Land Segment		2	٣	7	\$	80	•	10	12	13	15	17	18	21	25

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							Hypc	thet	ical	Spi	Hypothetical Spill Location
	172	173	174	175	2 173 174 175 176 I	11	178 179 1	179	180 181 182	181	182
œ	c	~	c	c	c	c	c	c	c	c	c
6	c	7	c	c	c	_	c	c	c	c	c
10	c	<b>-</b> -	c	٣	c	c	c	c	c	c	c
11	c	c	c	٥	c	c	c	c	c	c	c
12	c	c	c	c	c	c	-	c	c	c	c
13	c	c	c	c	c	c	1	c	c	c	c
14	c	c	c	c	c	c	۷	c	c	c	c

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.

Hypothetical Spill Location

Land Segment

		c	<b>1</b> 0	
	c	c	0	-
:	c	c	∞	
	c	c	3	
3	c	c	c	
2	-	c	c	
_	c	c	c	
0	c	c	c	
-	c	c	c	
<u> </u>	c	c	c	
2	c	c	c	
<u>.</u>	c	c	c	
2	c	c	c	
7	c	c	c	. t.
-	c	c	c	erce
- -	c	c	c	. 5 p
r L	c	c	c	in m less than 0.5 percent. 0.5 percent are not shown.
0	c	c	c	ss th
70 F7 F8 F7 F10 F11 F12 F13 F14 F13 F10 F17 F10 F14 F20 F21 F22 F23 F24 F23	c	c	c	i les
S	c	c	c	
£	c	c	~	ent; han
<b>3</b>	c	c	c	perc ss t
2	c	c	c	9.5 s (e
r rc rs r4 r5	m	_	c	ian 9 'alue
-	7	c	<b>c</b>	** = Greater than 99.5 percent. Rows with all values less than
	25	92	35	Notes: ** = Greater than 99.5 percent; Rows with all values less than

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.

,	
<b>c</b>	
nt; n <b>*</b> an 0.5	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 7. (Continued) 21 Probabilities (expressed as percent chance) that an oilspill starting

	, ro 3	at a particular within 10 days.	n 10	yeb day	ָרָא אַ היא	ocat	0 0	7		tact	, e	rtai	, e	, p	at a particular location will contact a certain land segment (set 1) within 10 days.		÷	n				
Segment	£	E1 E2 E3		£ 4	НУ DC ES	thet E6	ical E7	Spi E8	t 1 L E9	ocati E10 E	0 n	12 E	₩		Hypothetical Spill Location E4 E5 E6 E7 E8 E9 E10 E11 E12 E13 E14 E15 E16 E17 E18 E19 E20 E21 E22 E23	6 E1.	r E18	£19	E20	E21	£23	£23
~ ~			<b>c</b> c	* *	<b>c</b> c	6 6	<b>←</b> c	СC	<b>.</b> .	сc	СC	сс	- c			cc	c c	c c	c c	c c	<b>c</b> c	<b>c</b> c

Land

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.

	S 2 0	<b>-</b>	~	<b>,</b> -	c	c
	S19	c	c	c	. , C	· ·
	S17 S18 S19 S20	c	c	c	c	c
	S17	c	c	c	c	c
	\$16	c	c	c	c	c
	<b>S15</b>	-	c	c		-
	\$14	<b>-</b>	c	c	c	c
	\$13 \$14		c	c	c	c
	<b>S12</b>	-	c	c	c	c
	S11	c	c	c	c	c
	\$10 \$11 \$12	c	c	c	c	c
	68	c	c	c	c	c
ion	88	-	c	c	c	c
Hypothetical Spill Location	87 88 89	c		c	c	c
=======================================	98	c	c	c	c	c
Spi	S S	c	c	c	c	c
ical	24	c	c	c	c	c
thet	\$1 \$2 \$3 \$4 \$5 \$6	<b>-</b>	c	c	<b>c</b> c c c c	c
Hypo	S 2	c	c	c	c	c
	21	c	c	c	c	c
		c	c	c	c	c
	E24 E25 E26 E27 E28	c	c	c	c	c
	E26	c	c	c	c	c
	E25	c	c	c	c	c
	E 2 4	c	c	c	c	c
Land Segment		7	8	7	7	<b>&amp;</b>

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.

	121	c	c	c	c	c	c	c	c	c	۴-	c	c	c	c	c	c	c	ה	c	c	
	120	c	c	c	. ' c	c	~	<b>-</b>	٥	~	c	c	c	c	c	c	c	c	c	c	c	
	119	c	c	c	c	c	c	c	c	c	<b>-</b>	c	c	c	c	c	c	c	c	c	c	
	118	c	c	c	c	c	c	c	c	c	<b>,</b>	c	c	c	c	c	c	c	c	c	c	
	117	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	116	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	115	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	114	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	113	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	112	c	c	c	c	c	c	c	c	c	10	9	c	c	c	c	c	c	c	c	c	
	111	c	c	c	c	c	c	c	c	c	7	13	13	c	c	c	c	c	c	c	c	
	110		c																			
ion	61		c																			
•	18	c	c	c	c	c	c	c	c	c	c	۳	54	11	9	c	c	c	c	c	c	
_	17	c	c	c	c	c	c	c	c	c	c	<b></b>	m	-	c	c	c	c	c	c	m	
Sp i	16	c	c	c	c	c	c	c	c	c	c	5	c	c	c	c	c	c	c	c		
_	15	c	c	c	c	c	c	c	c	c	c	~	12	~	-	c	c	c	c	c	c	•
het	4	c	c	c	c	c	c	c	c	c	c	-	9	7	~	80	m	-	c	c	c	
Нуро	13	c	c	c	c	c	c	c	c	c	c	c	~	-	<b>-</b>	۲,	_	~	10	S	c	-
	1.2	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<del>-</del>	~	-	~	
	1.1	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	7 5	•
	S 2 4	-	12	3	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	\$23	-	-	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	S 2 2	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	•
	S 2 1	-	M	œ	~	~	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	•
Land Segment		2	m	7	2	9	13	14	15	16	2.5	56	2.7	28	5.5	30	31	32	33	34	35	

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.

9																
146	<b>C</b>	c	c	c	. c	<b>c</b>	C	C	C	C	c	c	C	c	-	c
145		c	c	c	c	c	c	c	c	c	C	c	c	c	c	c
144	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
143	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
142	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
141	c	-	~	٥	S	c	c	c	c	c	c	c	c	c	c	c
140	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
139	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
138 1	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
137 1	c	c	٠ ح	c	c	c	c	c	c	c	c	c	c	c	c	c
136 1	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
135 1	c	c	c	_	c	c	c	c	c	c	c	c	c	c	c	c
	c							c								
Location T33 T34																
Loc 2 13	c	c	c	c	c	c	c	c	c	c	c	c	c	C	c	c
111	c	C	c	c	c	c	c	C	_	C	2	c	c	c	c	c
1 Sp T31	c	•	7	6	~	•-	c	c	c	c	c	c	c	c	c	c
Hypothetical 128 129 130	<b>,</b> -	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
thet 129	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
нуро 128	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
127	c	c	c	c	c	c	<b>,</b> -	-	c	c	₩	_	-	5	7	c
126	c	c	c	c	c	c	c	c	c	c	c	c	c	c	-	c
125	c	c	c	c	<b>c</b>	c	c	<b>c</b>	_	~	-	~	9		80	c
124	c	c	c	c	c	c	c	c	c	c	c	c	c	·	~	c
123	c	c	c	c	c	c	c	c	_	7	~	∞	5	33	5	c
122 1								c								<b>,-</b> -
-															_	
Land Segment	~	7	80	0	10	11	17	18	19	20	21	25	23	5.4	2.5	56

Notes: \*\*  $\approx$  Greater than 99.5 percent; n  $\approx$  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.

	171	<del>-</del>	c	c	c	c	~	S	7	<del>-</del>	c	<b>c</b>	c	c	c	c	c	c	<b>c</b>	c	c	
	170	c	c	c	c	, . c	N	•	8	<b>-</b>	c	c	c	c	c	c	c	c	c	c	c	
	169	c	<b>c</b>	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	168	c	<b>c</b>	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c	
	167	<b>-</b>	~	9	œ	-	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	166	c	4	20	25	<b>,-</b> -	c	c	c	c	¢	c	c	c	c	c	c	c	c	c	c	
	165	4	14	<b>4</b>	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	
	164	c	c	c	c	c	c	c	c	c	-	7	18	c	M	c	c	c	c	c	c	
	163	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>~</b>	-	<b>-</b>	9	-	c	
	162	c	c	c	c	c	c	c	c	c	c	-	-	c	c	c	c	c	c	c	c	
	161	c	c	c	c	c	c	c	c	c	<b>-</b> -	~	c	c	c	c	c	c	c	c	c	
	160	c	c	c	٦	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	۰	
ion		c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	٣	
ocat		c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
ر 1	157	c	c	c	c	c	c	c	c	c	<b>,</b>	-	c	c	c	c	c	c	c	c	c	
Spi	156	c	c	c	c	c	c	-	c	<b>-</b>	-	<b></b>	c	c	c	c	c	c	c	c	c	
_	155	<b>,</b> -	_	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
thet	1 5 4	<b>-</b>	-	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
Hypo	153	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	152	_	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	151	c	c	c	c	c	c	c	c	c	c	٣	10	_	4	c	c	c	c	c	c	
	150	-	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	671	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	148	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
	147	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	
d Segment		2	~	7	\$	9	2	80	٥	10	11	12	13	14	15	17	85	19	21	54	2.5	
Land																						

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							Нурс	thet	ical	Spi	Hypothetical Spill Location	
1	172	173	174	175	176		178	179	180	181	182	
~	c	-	_	c	c		c	c	<b>C</b>	c	c	
2	<b>E</b>	_	c	c	c		c		c	ε	c	
œ	c	7	c	_	c		c		c	c	c	
٥	c	•	c	c	c		c		c	c	c	
10	c	2	c	s	c		c		c	c	c	
11	<b>c</b>	c	=	10	c	c	-	c	c	c	c	
12	c	c	c	c	c		7		c	c	c	
13	c	c	c	c	c	c	14		c	c	c	
14	c	c	c	c	c		~	c	c	c	c	
15	c	c	c	c	c		2		c	c	c	

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							Hypo	thet	ical	Spil	ר ר	cati	<b>.</b> 0											
	<u> </u>	P 2	P3	ρ¢	P 5	P 6	2 d	8	66	P7 P8 P9 P10 P11 P12 P13	- -	12 P	13 P1	4 P1	P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 P20 P21 P22	P17	P18	P19	P 20	P 2 1	P22	P23 P24 P25	P 2 4	P25
~	c	c	c	c	c	c	c	c	c		c	c	c	c	c	c	c	c	c	c	c	c	c	c
m	c	c	c	c	c	c	c	-	-	_	c		2		c	c	c	c	c	c	c	c	c	c
54	-	c	-	c	c	c	c	<b>c</b>	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
25	∞	S	m	-	c	-	c	_	-	_	_	c	c	c	c	c	c	c	~	-	c	c	c	ċ
56	c	-	c	c	c	c	c	c	c	c	c			c	c	c	c	c	-	c		c	c	, c
35	4	œ	2	19	19	6	~	c	c	c	~	c			c	-	c	~	15	20	62	33		31

Table 8. (Continued) 2- Probabilities (expressed as percent chance) that an oilspill starting

Land Segment	P26		P 2 8	P 2 9	P 30	P31	Hypothetical Spill Location P27 P28 P29 P30 P31 P32 P33 P34 P35 P36 P37 P38 P39 P40 P41 P42 P43 P44 P45	hetic 33 P3	al S 4 P3	pill 5 P36	Loca P37	tion P38	P 39	0 7 d	P 4 1	P42	543 P	4 7 7	4.5
2	c	•-	<b>-</b>	c	c	c	c	c c	_	c	c	c	c		c	c	c	c	c
m	c	-	c	c		c	c	c	c	c	c	c	c	c	c	c	c	_	c
5.2	2	•	•	2	-	c	c	c	c	c	c	c	c	c	c	c	c	_	c
3.5	c	c	2 4 3 2	',	1-4	~	5 3 3	3 8 1	12	c		c	c	c	c	-	-	•	~

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					000	Avoothetical Soill Location	- P U	0	نَـ	משנו	5											
1	E1	E1 E2 E3 E4	E 3		ES	E 6	E 7	E 8 .	E 9	ES ES ET EB EP C10 E11 E12 E13 E14 E15 E16 E17 E18 E19 E20 E21 E22 E23	11 1	12 E'	3 6	4 E1	S E1	6 E1	7 E1	8 E1	9 E 2 O	E21	E22	E23
. 2	•	-	<b>,</b>	~	•-	•	-	<b>-</b>	-		· -	_	_	_	c	C	c	c	c	c	c	c
κ.	2	~	-	2	-	2	-	•	-		_		_	_	c	c	-	c	c	c	c	c
2.5	c.	c	c	c	c	c	c	c	c	c	c	~		_	<b>C</b>	C	C	-	-	<b>,</b>	c	c
35	c	c	c	c	c	c	c	c	c	c	c	- -	_	_	c	c	c	۸	S	6	\$	7

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.

6.2	9	~	~	<u>.</u> ,	C.	ے .	_	_	c	c	
0 1 2					c						
9			c			c				_	
		c	_	c	c	C	c	c	c	c	
713		c	c	c	c	c	c	c	c	c	
		2	~	c	7	~	c	c	c	c	
;	7	-	-	c	c	c	c	c	c	c	
7	2	c	c	c	c	c	c	c	c	c	
	9	-	<b>-</b>	c	<b>-</b>	c	c	c	c	c	
:	-	c	c	c	c	c	c	c	c	c	
5	2	c	c	c	c	c	c	c	c	c	
0	^	c	c	c	c	c	c	c	c	c	
ion	0	-	_	c	c	<b>-</b>	<b>,</b> -	c	-	c	
Hypothetical Spill Location	-	c	<del>-</del>	c	c	c	c	c	c	c	nt.
1 3	0	c	c	<b>c</b>	c	c	c	c	c	c	). S percent
Spi	<b>.</b>	-	-	c	c	c	c	c	2	c	2 · 5
ical	<b>3</b>	-	c	c	c	c	c	c	c	c	an O
thet	<b>1</b>	_	<b>-</b>	c	c	c	c	<del>-</del>	M	c	s th
Нуро	9	_	c	c	c	c	c	-	m	c	n = less than 0.5 percent
5		-	c	c	c	c	c	~	4	-	ر ا
		c	c	c	c	c	c	c	c	-	••
063 663 763 363 763		c	c	c	c	c	c	c	c	-	)erc(
7 7 6	0	c	c	c	c	c	c	c	c	~	3 5 -
200		c	c	c	c	c	c	c	c	7	26 u
7		<b>c</b>	c	c	c	c	c	c	c	ų.	tha
ű	نَ	-	_	_	_	_	_	_	_	•	Greater than 99.5 percent?
Land Segment		2	۶	4	۷	œ	11	54	25	35	Notes: ** = Greater than 99.5 percent

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.

,..

and Segment							Hypot	het	ě	Spill	Local	٦.	c											
	\$21	225	\$23	S 2 4	Ξ	15		1 7 1	2 16	71 9	18	19	110	111	112	113	114 1	115 1	116 1	117 1	118 1	119 12	- 0	21
2	2	c	-	₩	c	c	c						c	c	c	c	c	c	c	c				_
3	7	c	7	16	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c c	د د	_
7	10	c	c	2	c	c	c						c	c	c	c	c	_	c	c				_
2	~	c	c	c	c	c	c						c	c	c	c	c	c	c	c				٠.
•	~	c	c	c	c	c	c						c	c	c	c	c	c	c	c				
12	c	c	c	c	c	c	c						c	c	c	c	c	c	c	c				
13	c	c	c	c	c	c	c						c	c	c	c	c	c	c	c				
14	c	c	c	c	c	c	c						2	c	c	c	c	c	c	c				_
15	c	c	c	c	c	c	c						c	c	c	c	c	c	c	c		_		_
16	c	c	c	c	c	c	c						c	c	c	c	c	c	c	c				_
17	c	c	c	c	c	c	c						c	c	c	c	c	c	<b>c</b>	c				_
54	c	c	c	c	c	c	c						c	c	c	c	c	c	c	c				_
52	c	c	c	c	c	c	c						-	2	13	c	c	c	c	<b>,</b>				
92	c	c	c	c	c	c	<b>-</b> -						2	14	۷	c	c	c	c	<b>c</b>				_
27	c	c	c	c	c	-	2						33	13	<b>,-</b>	c	c	c	c	c				_
28	c	c	c	c	c	c	~						13	c	c	c	c	c	c	c				_
50	c	c	c	c	c	c	<b>,-</b>						7	c	c	c	c	c	c	c				_
30	c	c	c	c	c	-	3						c	c	c	c	c	c	c	c				_
31	c	c	c	c	c	c	<b>-</b>						c	c	c	c	c	c	c	c				_
32	c	c	c	c	c	<b>,-</b>	4						c	c	c	c	c	c	c	c				_
33	c	c	c	c	c	7	-						c	c	c	c	c	ء	c	c				_
34	c	c	c	c	c	12	~						c	c	c	c	c	c	c	c				_
35	c	c	c	c	63	17	∞		~				7	10	٥	c	_	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) <sup>--</sup> Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment (set 1) within 30 days.

146	c	c	c	c	ع.	٠.	c	c	c	c	c	<b>c</b>	c	c	c	c	M	c	9
145	c	c	c	c	c	c	c	c	c	c	c	c	٤	د	c	c	c	c	c
144	c	c	c	c	c	c	c	د	د	د	c	٤	٤	د	c	c	c	c	c
143	_	2	c	د	د	c	c	د	c	c	c	c	c	د	c	c	c	c	c
142	c	2	<b>c</b>	c	c	د	c	c	c	c	c	c	c	د	c	د	c	c	c
141	_	-	~	9	10	9	_	<b>,-</b> -	د	c	c	c	٤	٤	c	c	c	c	c
140	_	-	٤	c	د	c	٤	٤	c	c	c	c	٤	٤	c	c	c	c	c
139	٤	c	٤	c	٤	c	د	c	د	c	c	c	٤	د	c	c	د	c	c
138	c	c	c	د	د	٥	د	c	c	د	c	c	٤	c	c	٤	c	c	c
137	ε	<b>E</b>	٤	c	٤	٤	٦	c	c	E	c	د	c	٦	c	c	c	c	c
136	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	٤	c
135	c	c	c	٤	5	c	c	c	c	٦	c	c	c	2	c	c	c	c	c
ion 134	c	c	c	٤	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
ocat 133	c	c	٤	٤	٦	c	c	ε	د	٤	c	c	c	c	c	c	c	ح	c
132 132	2	c	c	c	c	c	c	د	c	c	٦	د	c	c	c	c	c	c	ε
Sp.i	-	<del></del>	~	4	6	œ	2	-	c	c	c	c	c	٤	c	٤	c	c	c
ical T30	-	-	c	د	c	-	c	د	٤	2	c	c	٦	د	c <sub>.</sub>	٤	<b>-</b>	c	c
Hypothetica T28 T29 T30	c	c	c	c	c	٤	٦	c	٤	c	c	c	c	c	c	c	c	c	c
нуро 128	_	2	c	۲	c	c	٤	c	c	c	c	c	c	د	c	c	c	c	c
127	c	2	c	ε	c	c	c	ε	-	_	c	c	7	<del>-</del>	~	œ	14	<del>,-</del>	-
126	c	2	c	c	c	c	د	٤	c	٤	٤	c	c	c	c	c	4	<b>-</b> -	v
125	2	2	٤	c	د	c	د	د	د	2	<del>-</del>	٨	-	~	9	18	21	-	2
124	2	2	c	٤	c	٤	ε	c	ε	c	c	c	د	c	c	د	m	c	9
123	c	c	c	c	c	c	c	c	<b></b>	c	<del>-</del>	~	2	æ	9 2	34	7	-	c
122	2	c	2	c	c	c	د	c	د	c	c	c	c	c	c	9	25	-	4
Land Segment	2	٣	2	æ	٥	10	11	12	17	8	19	20	21	22	23	5.4	2.5	56	35
_																			

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.

71	7 17	<b>a</b> C	1 671	150 15	51 15	2 15	3 154	15	5 156	157	158	T59	160	161	162	163	. 791	165 1	1 991	1 29	1 891	T 69 T	170 171
c		-	-	_				~		-	-	c	ć	-	<b>-</b>	c	c						
c								~	-	c	-	c	c	-	c	c	c						
c				c				c	c	c	c	c	c	c	c	c	c	S	_				
c								c	c	c	c	c	c	c	c	c	c	~	2				
c								c	c	_		c	c	c	c	c	c						
c								-	-	c	c	c	c	c	c	c	c						-
c								c	~	-	c	c	c	-	c	c	c						
c								c	c	c	c	c	c	c	c	c	c						
c								c	~	-	c	c	c	-	c	c	<b></b>						
c								c	~	-	c	c	c	2	c	c	~						
c								c	-	~	c	c	c	7	~	c	٥						
c				n 12				c	c	c	c	c	c	_	-	c	20						
c								c	c	c	c	c	c	c	c	c	c						
c								c	c	c	c	c	c	c	c	c	7						
c								c	c	c	c	c	c	c	c	c	<b>-</b>						
c								c	c	c	c	c	c	c	c	9	c						
c								c	c	c	c	c	c	c	c	-	c						
c								c	c	c	c	c	c	c	c	<b>-</b>	c						
c								c	c	c	c	c	c	c	c	~	c						
c								c	c	c	c	c	c	c	c	<b>,-</b>	c						
c								c	c	c	c	c	c	c	c	-	٥						
c								c	c	c	c		-	c	c	7	c						
c								c	c	-	М	œ	٥	c	<b>-</b> -	M	c						
c	c		c	c	c	c	c	c	c	c	c	c	-	c	c	c	c	c	c	c	c		c
c								c	c	c	c	~	۷	c	c	c	c						

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.

l Spill Location T81 T82	c	c	c	c	c	· c	c	c	c	c	c	c	c	c	2
Spi T81	c	c	c	c	c	c	c	c	c	c	c	c	c	c	~
80 80	c	c	c	c	c	c	c	c							c
Hypothet 178 179 1	c	c	c	c	c	c	c	c	c	c	c	c	c	2	<b>-</b>
Нуро 178	c	c	c	c	c	c	-	7	٧	16	7	~	_	c	c
177	-	-	c	c	c	c	c	c	c	c	c	c	c	c	c
176	-	-	c	-	c	c	c	c	c	c	c	c	c	c	<b>c</b>
175	-	-	c	-	~	-	9	11	-	c	c	c	c	c	c
174	-	-	-	-	c	c	c	c	c	c	c	c	c	c	c
173	-	_	c	~	7	7	~	c	c	c	c	c	c	c	c
172	-	-	-	c	c		c	c	c	c	c	c	c	c	c
Land Segment	~	m	7	~	æ	٥	10	11	12	13	14	15	16	2.5	35

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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.

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.

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.

	121	c	c	<b>c</b>	_	_	<u>د</u>	<b>c</b>	c	c	c	c	c	c	c	c	c	<b>c</b>	<b>c</b>	c	c	c
	120	, <b>c</b>	c	c	<b>c</b>	C	~	~	m	-	c	c	c	c	c	c	5	c	c	د	c	c
	119	c	c	c	<b>c</b>	5	2	c	c	<b>c</b>	c	c	c	c	c	c	c	c	c	c	۲	c
	118	c	c	c	c	<b>c</b>	c	c	c	c	c	<b>c</b>	c	c	د	c	c	د	٦	c	c	c
	117	c	c	c	c	2	c	د	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	116	c	c	c	c	c	c	c	c	c	c	2	c	c	د	c	2	c	c	c	د	c
	115	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	5	c	c
	114	ح	c	c	c	5	د	c	5	c	ב	c	c	c	c	ב	c	<b>c</b>	c	c	c	c
	113	c	c	c	c	c	c	c	_	c	c	c	c	c	c	c	5	2	c	c	c	c
	112	c	c	c	c	د	٢	c	c	c	7	c	c	S	c	c	c	c	c	c	2	c
	111	c	۲	c	c	c	c	c	c	ב	7	16	c	_	c	c	2	c	c	c	c	c
	110	c	c	c	c	<b>c</b>	د	c	c	c	-	21	11	c	c	c	c	د	c	c	c	c
ion	19	c	c	c	٥	c	c	c	<b>c</b>	c	c	13	_	c	د	c	c	2	c	۲	د	c
-	<b>28</b>	c	c	۲	c	٢	د	2	۲	c	د	11	10	c	۲	c	٥	2	c	c	c	c
_	17	c	c	c	c	c	ב	c	C	c	c	<b>,</b>	c	c	c	c	c	c	c	c	c	c
Spi	16	c	c	c	c	_	c	c	c	c	c	c	2	٤	c	۲	2	c	c	c	c	c
_	1.5	c	c	ב	c	c	ב	c	c	c	c	4	-	c	ء	c	2	c	ב	c	c	c
-	14	c	c	c	c	c	c	c	c	c	c	c	-	ב	J	<b>~</b> :	<b>-</b>	c	c	c	c	c
Нуро	13	c	2	c	c	c	c	2	c	2	c	c	c	c	<b>-</b> -	c	2	œ	2	c	c	c
	15	c	c	c	c	c	c	c	۲	c	c	c	د	د	c	c	_	2	۷	c	c	c
	Ξ	c	c	c	c	c	۲	c	c	د	c	c	2	c	c	c	c	c	c	7	10	~
	\$24	-	٣	M	c	c	c	_	c	c	c	<b>c</b>	c	c	c	c	c	c	c	c	2	c
	\$23	-	c	c	c	c	c	2	c	2	c	c	۲	c	c	c	c	c	c	c	C	c
	S 2 S	c	c	c	c	c	c	c	c	ב	c	c	c	c	ء	c	c	c	c	c	c	c
	S 2 1	c	c	~	-	-	c	c	2	c	2	c	<b>c</b>	c	c	c	ב	c	c	c	c	C
Land Segment		€	7	2	9	7	15	16	17			92										

Notes: \*\* \* Sreater 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							Нуво	Hypothetical Spill Location	ical	Spil	וורס	cati	ou											
	122		123 124	125	126	127	128	129 130 131 132 133 134	130	131 1	132 1	33 1		135 1	136 13	137 13	8 13	138 139 140	141	142	143	144	145	146
10	c	c	c	c	c	c	c	c	c	-	c	c	c		c	c	c	c	~	c	c	c	c	c
11	c	c	c	c	c	c	c	c	c	9	c	c	c		c	c			œ	c	c	c	c	c
12	c	c	c	c	c	c	c	c	c	<b>د</b>	د	c	c	_	c	c	_	c	4	c	c	c	٢	۲,
18	c	c	c	c	c	<b>-</b> -	c	c	c	c	_	c			c				c	c	c	c	c	, ج
21	c	~	c	~	c	c	c	c	c	c	c	_							c	c	c	c	c	ç
2.5	c	2	c	-	c	c	c	c	c	c	c	c	c		c	2	_	C	c	c	c	c	c	ċ
5.4	c	21	c	7	<b>c</b>	c	c	c	c	c	c	c	c		c	c			c	c	c	c	c	c
28	6	-	c	10	c	c	c	c	c	c	c	2	c	c	c	c	_	c	c	c	c	c	c	c
58	~	28	c	12	c	c	c	c	<b>c</b>	۲	c	c	_	- c	c	c	c	c	c	c	c	c	c	2
3.0	c	-	c	c	c	~	c	c	c	c	c	c	c		c	c	c	c	c	c	c	<b>c</b>	c	c

Notes: \*\* = Sreater 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.

	_	_	_	_	_	٠	٠.		_	_	_	_	_	_	_	_
	171	c	C	<b>C</b>	· c	_	~	~	_	2	c	_	<b>C</b>	C	C	_
	170	c	c	c	c	c	~	M	c	c	c	<b>c</b>	c	c	c	c
	169	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	168	c	c	c	c	c	c	c	c	c	c	c	c	¢	c	c
	167	c	c	~	œ	c	c	c	c	c	c	c	c	c	c	c
	166	c	-	47	54	c	c	c	c	c	c	c	c	c	c	c
	165	~	~	M	c	c	c	c	c	c	c	c	c	c	c	c
	164	c	c	c	c	c	c	c	c	2	=	_	c	<b>c</b>	c	c
	163	c	c	c	c	c	c	c	c	c	c	د	M	-	c	4
	162	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	161	c	c	c	c	c	c	c	c	-	c	c	c	c	c	c
	T60	c	c	c	c	c	c	2	c	c	c	c	c	c	~	c
ion		c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
ocat	157 158 159	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
-	157	c	c	c	د	c	c	c	c	c	c	c	c	c	c	c
	156	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
i c a l	155	c	c	c	c	c	c	c	c	c	c	c	c	c	c	ِ د
het	154 1	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Hypothetical Spi	T53 1	c	c	c	c	c	c	c	c	c	<b>c</b>	¢	c	c	c	c
_	152 1	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	151	c	c	c	c	c	c	c	c	<b>-</b>	2	<b>-</b> -	c	c	c	c
		c	c	c	c	c	c	د	c	<b>c</b>	c	c	c	c	c	c
	149 150	c	c	c	c	c	c	c	د	c	c	c	c	c	c	c
	1 8 7 1	c	c	c	c	c	c	c	c	c	c	c	c	c	_	c
	1 251	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	-															
Land Segment		ĸ	7	2	9	٥	10	11	12	14	15	16	18	19	28	30
Гa																

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

percent chance) that an oilspill starting I contact a certain land segment (set 2)

172 173 174 175 176 177 10 n 2 n n n	. 777 8	178 179 180 181 182	0816	181	182
2 0 0 2	•			1	
	=	c	<b>E</b>	_	c
u u v, u	c	c	c	c	c
	c	c	c	c	c
n 11 n n	c	c	c	c	c
	c	2	c	c	<b>c</b> .
c c c	c	6	c	c	c
	c	ر د	c	c	c

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							ZAX	9.2	100 L	ras .		ocat	5											
	Р1	P 2	P1 P2 P3 P4 P5	<b>b 4</b>	P 5	<b>P</b> 6	Ь7	g.	6 a	P10	P11	P12	P13	P14	P15	P16	17 6	18	P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 P16 P17 P18 P19 P21 P21 P22 P23 P24 P25	3 P 2	1 P22	P23	P 2 4	P25
ŭ		•													,									,
62	c	-	c	<b>-</b>	c	c	c	c	c	c c	c	c	c	<b>c</b>	c	c c	c	_	c	c c	c	c	c	c
28	7	~	c	c	c	c	c	c	c	_	c	C	c	c	c	c	c	c	c	_	c	c	c	c
37	c	c	c	c	c	c	<b>c</b>	c	c	c	c	c	c	c	c	c	c	c	c	c	_	~	<b>,</b> -	-
38	c	c	c	c	<b></b>	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>		c c	~	9	9	. ر د
39	c	c	c	c	-	c	د	c	c c	c	c	c	c	c	c	<b>c</b>	c	c	c	c	c	-	M	٣.
Notes: ** # Greater than 99.5 percent; n # less than 0.5 percent.	ater t	u e u	99.5	Der	cent	c 	- N	S	) uer	o 5 .	erce	nt.												

Rows with all values less than 0.5 percent are not shown.

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

Land Segment							Нуро	thet	ical	Hypothetical Spill Location	וויי	scat.	٥,						
	P 2 6	P27	P 2 8	62d	P39	P31	P32	P33	b } ¢	P26 P27 P28 P29 P39 P31 P32 P33 P34 P35 P36 P37 P38 P39 P40 P41 P42 P43 P44 P45	936 1	126	- 38	p39	D 4 0	P41	1 270	43 P	77
2.8	c	c	c	-	c	c	c	c	c		c	c	c	c	c	c	c	c	c
3.8	c	c c	c	c	د	c	c	c	•		c	c	c	c	c	c	c	c	c
39	c	c	c c	c		c	c	c	<b>-</b>		c	c	c	c	c	c	c	c	c

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 Segmen	3860 t					Q <b>X</b>	0 the	4103	S	_	Mypothetical Spill Location	<u>د</u>											
		m +-	E1 E2 E3	E 3	7 3	ΕS	E 6	٤٦	æ	62	E4 E5 E6 E7 E8 F9 E10 E11 E12 E13 E14 E15 E16 E17 E18 E19 E20 E21 E22 E23		12	:13 E1	4 E1	S E1	6 E1	7 E1	8 £19	E20	E21	E22	E23
-1	~	•	~	•-	~	•	-	•-	<b>-</b>	-		c	c	-	-		E	c	E	<b>د</b>	E	c	c
20102	Notes: ** * Greater than 99.5 percent; n = less than 0.5 percent. Rows with all values less than 0.5 percent are not shown.	than 99.5 values l	per	thar		) (I) (I) (I) (I) (I) (I) (I) (I) (I) (I	ss t cent	המח איה	0.5 p	Shore								•				•	

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 Seyment							Hypo	thet	ical	Spi		ocat	ro r											
	E24	E24 E25	E26 E27	£23	E 28	s 1	S 2	S 3	S 4	S &	98	\$1 52 53 54 55 56 57 58 59 510 511	S 8	6 S	S10	S11	312	512 513 514 515 516 517 518 519 520	4 51	5 \$1	5 \$1	518	\$19	<b>8</b> 20
٣	c	c	c	c	c	c -	c	-	c	c	c	c	-	c	c	c		c	-	c	c	c	c	2
7	c	c	c	c	c	c	c	c	c	c	c	c	c	c		c	c	c		c			c	-
\$	c	c	c	c	c	c	c	c	c	c	c	c	د د	c	c	c	c		c			c	c	-
6	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c		c	c		c	
10	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c		c	<u>-</u>	_			c	, <b>c</b>

Table 13. (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.

	121	c	c	c	<u>د</u> .،	<b>c</b>	<b>c</b>	c	c	c	c	c	c	c	-	c	c	c	c	c	c	c	c	c
	120	c	c	c	c	c	-	9	~	4	7	c	c	c	c	c	c	c	c	c	c	c	c	c
	119	c	c	c	c	c	c	c	c	c	c	c	c	c	-	c	c	c	c	c	c	c	c	c
	118	c	c	c	c	c	c	c	c	c	c	c	c	c	<del>-</del>	c	_	c	c	c	c	c	c	c
	117	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c	c	c	c	c	c	c	c	c
	116	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	115	c	c	c	2	c	<b>c</b>	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	114	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	113	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	112	c	c	c	c	c	c	c	c	c	c	9	-	c	10	c	c	c	c	c	c	c	c	c
	111	c	c	c	c	c	c	c	c	c	c	2	20	c	4	c	c	c	c	c	c	c	c	c
	110	c	c	c	c	c	c	c	c	c	<b>-</b>	~	33	16	<b>,-</b>	c	c	c	c	c	c	c	c	c
tion	6 1	c	c	c	c	c	c	c	Ξ	c	c	~	22	~	-	د	c	c	c	c	c	c	c	c
æ	18	c	c	c	c	c	c	c	c	c	c	-	5 2	16	c	-	c	c	c	c	c	c	c	c
_	12	c	c	<b>c</b>	c	c	c	c	c	c	c	-	4	-	c	c	c	c	c	c	c	_	-	c .
Spi	16	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	2	٥	•
e u	1.5	c	c	c	c	c	c	c	c	c	c	<b>,</b>	13	7	c	c	c	c	c	c	c	c	c	c
thet	71	c	c	c	c	c	c	c	c	c	c	c	9	7	c	-	œ	<b>~</b>	<b>-</b> -	c	c	c	c	c
o.	13	c	c	c	c	c	_	c	c	c	c	c	~	~	c	c	~	<b>-</b>	~	10	9	c	<b>c</b>	c
	15	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>-</b>	9	11	~	~	c
	Ξ	c	c	c	c	c	c	c	_	c	c	c	c	c	c	c	c	c	c	c	c	10	18	14
	S 2 4	9	9	S	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	\$23	٣	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	S 2 S	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	\$21	2	~	٥	~	~	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	C	c
Land Seyment		2	4	\$	•	2	14	15	16	17	18	2.5	26	2.2	28	31	32	33	34	3.5	36	3.7	38	39
نـ																								

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

971	c	c	c	c	c	c	c	c	c	c	c	c	c	<del>-</del>	c	c
145	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
144	c	c	c	c	c	c	c	c	c	c	c	c	c	ء	c	c
143	c	c	5	c	c	c	c	c	c	c	c	c	c	c	c	c
142	c	c	c	c	c	c	<b>c</b>	c	c	c	c	c	c	c	c	c
141	c	-	2	∞	9	-	c	c	c	c	c	c	c	c	c	c
. 051	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
139	c	c	c	c	=	c	c	c	c	c	c	c	c	c	c	c
138	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
137	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
136	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
135	c	c	c	c	c	5	c	c	c	c	c	c	c	c	c	c
	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
ll Lacation 132 133 134	c	c	c	c	c	د	c	c	c	c	c	c	c	c	c	c
132 I	c	c	c	<b>c</b>	۲.	c	c	c	c	c	c	c	c	2	c	c
Sp i	c	_	rΩ	~	œ	<b>-</b>	c	c	c	c	c	c	c	c	c	c
ical r 30	-	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c
Hypothetical T28 T29 T30	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
1y po 1	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
127	c	c	c	c	c	c	_		c	c	<b>,-</b> -	-	c	7	2	~
126	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>-</b>	c	c
. 521	c	c	c	c	c	c	c	c	-	~	<b>,</b> -	2	c	8	17	_
	c	c	c	c	c	c	c	c	c	c	c	c	c	~	c	c
123 124	c	c	c	c	c	c	c	c	-	•	9	2 5	c	~	33	2
122									c							
Land Seyment	m	٥	10	11	12	13	18	19	50	21	2.5	5.4	2.5	28	59	30

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.

171	-	c	<b>c</b>	,c.	c	~	7	7	-	c	c	c	c	c	c	c	c	c	c	c
170	-	c	c	c	c	2	~	~	-	c	c	c	c	c	c	c	c	c	c	c
169	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
168	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
167	-	-	9	0	<b>-</b>	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
166	-	~	5.0	25	c	c	c	c	c	د	c	c	c	c	c	c	c	c	c	c
165	13	4	4	c	c	د	c	c	c	c	c	c	c	c	c	c	c	c	c	c
164	c	c	c	c	c	c	c	c	c	<b>-</b>	10	13	~	-	<b>-</b> -	c	c	c	c	c
163	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>~</b>	-	<b>,-</b>	c	<b>-</b>	9
162	c	c	c	c	c	c	c	c	c	c	-	c	c	c	c	c	c	c	c	c
161	c	c	c	c	c	c	c	c	c	-	~	c	c	c	د	c	c	c	c	c
160	. c	c	c	c	c	c	c	c	c	c	c	c	c	c	د	c	c	9	c	c
ion 159	c	c	c	c	c	ح	c	c	c	c	c	c	c	c	c	c	c	٣	c	c
.ocat T58	د	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c	c	c	c	c	c	c
157 157	c	c	_	c	c	c	ء	c	c		<del>-</del>	c	c	c	c	c	c	c	c	c
5pi 156	-	c	c	c	c	c	-	c	-	-	<b>-</b> -	c	c	c	c	c	c	c	c	c
ical TSS	~	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
thet TS4	-	c	c	c	c	c	c	c	c	c	د	c	c	c	c	c	c	c	c	c
Ну во Т53	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
152	-	c	c	c	c	c	c	c	c	c	c	c	c	c	۲	c	c	c	c	c
151	c	c	c	c	c	c	c	c	c	c	2	∞	-	~	-	c	c	c	c	c
150	-	c	c	c	c	c	c	c	c	c	د	c	c	c	c	c	c	c	c	c
149	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	Ε	c
148	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
147	د	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Land Segment	ĸ	7	\$	9	2	6	10	11	12	13	14	15	16	17	18	19	20	28	59	30
ن																				

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

- cv 2- c c c
M47766666
c c c c c c c c c c

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.

	p7 p8 p9 p10 p11 p12 p13 p14 p15 p16 p17 p18 p19 p29 p21 p22 p23 p24 p25	c	c			<b>.</b>			
	5 P 2	c	_	C		4			
	P23	c	c	_	_	9	20	7	
	P22	c	c	<b>c</b>					
	P21	c	c	-	c	7	13	~	
	P2J	c	<b>-</b>	M	c	M	٥	~	
	P19	c	c	c	c	c	<b>-</b>	-	
	P18	c	c	c	c	c	c	c	
	P17	c	c	c	c	c	c	٤	
	P16	c	c	c	c	c	c	c	
	P15	c	c	c	c	c	c	c	
	P14	c	c	c	c	c	c	c	
ion	P13	C	c	c	c	c	c	c	
ocat	P12	c	c	c	c	c	c	c	<del>.</del>
11	P11	c	c	-	ے	c	-	c	erce show
Spi	P10	<b>-</b> -	د	<b>-</b>	c	c	c	c	.5 p
ical	ē.	_	c	<b>-</b>	c	c	c	c	an O are
thet	œ.	-	c	_	c	c	c	c	s the
Hypo	P 7	c	c	c	c	-	₩	~	les Derc
	P 6	c	c	-	c	-	~	~	n = 0 ; 0
		c	c	c	c	~	10	7	ent; han
	P1 P2 P3 P4 P5	c	c	-	c	7	11	2 2	perc ss t
	P 3	-	c	~	<b>-</b>	۵	<del>-</del>	c	9.5 s te
	P 2	c	_	2	c	~	۷	-	an 9 alue
	<u>-</u>	_	c	œ	-	-	~	c	ון ני
	-								eate tha
Land Segment		2	2.5	28	59	3.7	38	39	Notes: ** = Greater than 99.5 percent; n = less than 0.5 percent. Rows with all values less than 0.5 percent are not shown.

starting	(set 2)
oftspill	Segment
that an	tain land
t chance	ict a cer
as percen	ill conta
(expressed	location w
nued) Probabilities (expressed as percent chance) that an oilspill starting	at a particular location will contact a certain land segment (set 2)
1	то
ole 11. (Continued)	
<b>P</b>	

Land Segment	P 2 6		Hypothetical Spill Location P27 P28 P29 P30 P31 P32 P33 P34 P35 P36 P37 P38 P39 P40 P41 P42 P43 P44 P45	P29	P30	P31	Hypo P32	thet p33	ical P34	Spi P35	Hypothetical Spill Location P32 P33 P34 P35 P36 P37 P38	ocat P37	ion P38	P 3 9	D 7 0	P41	P 4 2	P 4 3	5 7 d	P 4 5
m	•	-	-	c	c	c	c	c	c	c		c 	c	c	c	c	c	c	c	c
2.8	2	•		~	-	c	c	c	c			2	E	c	· c	: E	: =	· c	c	2
3.7	c	c	c	c	c	c	c	c	-	-	c		c	c	c	c	_	c	<b>E</b>	2
33	c	c	-	~	~	1 1 2 3 5	•	^	~	<b>ب</b>	c	c	c	c	c	c	<b>E</b>	c	~	<b>,</b>
59	c	c	c	-	c	٠.	•	-	٠,	s	c	<b>C</b>	c	c	2	<b>c</b>	2	•	~	•

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					Нуво	thet	Hypothetical Spill Location	Spi		ocat	0											
	F.	E2 E3		<b>5</b> 7	E S	£ 6	E 7	e≎ •	£ 9	E10 1	111	E10 E11 E12 E13 E14 E15 E16 E17 E18 E19 E20 E21 E22	13 E1	4 E1	5 E16	E17	E 1.8	£19	E 2 0	E21	E22 (	£ 2 3
m	~	m	2	٣	-	~	2	~	2	~	-	~	ر 1	-	•-	-	-	c	c	c	c	c
7	c	c	c	<b>-</b>	c	-	c	c	c	c	c	c		c	c	c	c	c	c	c	c	c
v	c	c	c	•	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
2.8	c	c	c	c	c	c	c	c	c	c	c	~	د ~	c	c	c	<b>c</b>	-	-	-	c	c
3.7	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	-	-	-	•	-
3.8	c	c	c	c	c	c	c	c	c	c	c	c		c	c	c	c	m	m	7	~	2
3.9	c	c	c	c	c	c	c	c	c	c	c	c	c	_	c	c	c	-	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.	99.5 es le	perc	ent? than	. c 0	Der C	s th	n = less than 0.5 percent. 0.5 percent are not shown.	.5 p	erce show	· .												

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							Hype	Hypothet	ical	Spi		Locat	tion											
	£54	E 2 S	E 26	E25 E26 E27 E28	E28	S1	25	S3	<b>5</b> 4	S S	98	22	S 8 S	s és	S 018	511 512	2 513	3 514	\$15	\$16	\$17	S18	519	028
3	c	c	c	c	c	-	-	-	-	2	c	-	~	c	c	1 2	c	-	M	c	-	2	c	7
7	c	c	=	c	c	c	c	c	c	c	c	c	c			c			c	c	c	c	c	-
S	c	c	c	c	c	c	c	c	_	c	c	c	c			c	c	-	C	c	c	ב	c	-
œ	c	c	c	c	c	c	c	c	c	c	ç	c	c	c	c				_	c	c	c	c	c
6	c	c	c	c	c	c	c	c	c	c	c	c	c			c	c		2	c	c	c	c	c
10	c	c	c	c	c	c	c	c	c	c	د	c	c						_	c	c	c	c	c
13	c	c	c	c	c	c	c	c	c	c	د	<b>c</b>	_					C	c	c	c	c	c	c
28	c	c	c	c	c	7	~	~	c	7	c	c	_			c c			=	c	c	c	c	c
5-8	c	c	c	c	c	~	-	-	c	c	c	c	c			c		c	c	c	c	c	c	c
3.7	c	-	c	c	c	c	c	c	c	c	c	c	c			c	c	c	C	c	c	c	=	c
3.8	~	2	-	c	c	c	۶	c	c	c	c	c	c	c	c	c			c	c	c	c	=	c
39	-	-	-	_	c	c	c	c	c	c	c	c	c	_	c	c c	c	c	C	c	c	c	c	c

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 (exoressed as percent chance) that an oilspill starting 'at a particular location will contact a certain land segment (set 2) within 30 days.

101	7 7 1	c	c	c	<b>c</b>	c	<u>د</u>	c	c	c	<b>c</b>	c	c	c	~	c	c	c	c	c	c	c	_	~	-
,	0	-	c	c	c	C	~	~	~	S	•	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	<u>.</u>	_	c	c	c	c	c	c	c	c	-	c	c	c	7	_	c	c	c	c	c	c	c	c	c
0	c -	c	c	c	c	c	c	c	c	c	c	c	c	c	~	<b>-</b> -	c	c	c	c	c	c	_	<b>,-</b>	_
:	-	c	c	c	c	c	c	c	c	c	c	c	c	c	_	c	c	c	د	c	c	c	,	2	-
,	0	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	_	c	c	c	c	c
u		c	c	c	c	c	c	c	c	c	c	د	c	c	c	c	c	c	c	c	c	c	c	<b>-</b> -	<b>-</b>
	3 	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
	^	c	c	c	c	c	c	c	c	c	c	د	c	c	c	c	c	c	c	c	c	c	c	c	c
		c	ε	c	c	c	د	c	c	c	c	9	_	c	3	c	c	c	c	c	c	c	~	s	-
•		c	c	c	c	c	c	c	c	c	c	∞	0.3	c	د	c	c	c	c	c	c	c	S	4	_
	- - -							c																	
000								c																	
Locat	c							c																	
1 1 1	_	c	ε	c	c	c	c	۲	c	c	c	-	· · ·	-	_	c	c	c	c	c	c	c	0	=	m
Spil	c	د	c	c	<b>c</b>	c	c	c	c	c	c	c	c	c	د	c	c	c	c	c	c	c	Ŋ	7	~
icat		c	c	c	c	c	c	c	c	c	c	^	9	~	_	c	c	-	c	c	c	c	2	7	-
otheti								c					•												
Hypot		c	c	c	c	c	c	c	c	c	c	_	6	m	c	c	c	7	_	7	0	œ	~	7	_
	-	c	د	c	c	c	د	c	c	c	c	c	_	_	c	د	c	-	c	_	6	~	∞	7	-
•	-	c	c	د	c	c	c	c	_	c	c	c	c	c	c	c	c	c	c	د	c	c	~	-	9
,	224							c																	
	2 6 2 8	3	c	c	c	c	c	c	c	c	c	د	c	c	c	c	c	c	c	د	c	c	c	c	c
	225	_	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	_	c	c	c	c	c
	2 - 20	2	~	_	~	7	c	c	c	c	c	c	c	c	د	c	c	c	c	د	c	c	c	c	c
•	n																								
Land Segment		~	7	5	ç	7	14	15	16	17	18	2.5	26	2.7	×~	62	31	3.2	33	34	3.5	36	3.7	38	39

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.

	<pre></pre>	c c c c c c c c c c c c c		
	C C C C C C C C C C C C C C C C C C C	C C C C C C C C C C C C C C C C C C C	c c c c c c c c c c	C C C C C C C C C C C C C C C C C C C
	C C C C C C C C C C C C C C C C C C C		ccccccc	C C C C C C C C C C C C C C C C C C C
	~ C C C C C C C C C C C C C C C C C C C		c c c c c c c c	c c c c c c c c c
	C C F C C C C C		c c c c c c c	C C C C C C C
	o ~ - c c c c		c c c c c c	C C C C C C
	~		c c c c c	c c c c c c
	c c c c		c c c c	C C C C
	c c c c		c c c	c c c
	c c c		<b>-</b> c	- ·
	c c		c	,
c c c c c	c			-
			<b>-</b>	3 0
	c		<b>-</b>	- -
	c		ر د	6 n 2
	c		-	
	<b>-</b>		4 14	21 4 14
	c		œ ⊂	18 n 8
	c		<b>7</b>	1 n 4
	c		c 	 -
	c		2	1 3 0
	c		c -	c -

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.

171	~	c	-	c	c	-	7	S	7	<b>-</b> -	-	c	c	c	c	د	c	c	c	c	c	c	c	c	c	c	c
170	-	c	c	c	 C	-	~	•	₩	-	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
169	د	c	c	c	c	c	c	c	c	c	c	c	c	c	c	د	c	c	c	c	c	c	c	c	c	c	c
168	c	د	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	د	c
167	~	-	~	6	_	c	c	c	c	c	_	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>
166	~	٣	51	56	_	c	c	c	د	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
165	15	4			c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
164	-	c	c	c	c	_	c	c	c	c	~	13	7	~	_	<del></del>	c	c	c	c	c	c	c	c	c	c	c
163	_	c	c	c	c	c	c	c	c	c	c	c	c	c	c	9	~	-	_	_	c	٣	7	~	c	c	c
162	-	د	c	د	c	c	c	c	c	c	c	~	-	c	c		c	c	c	c	c	-	c	c	c	c	د
161	-	c	c	c	c	c	c	<b>c</b>	c	<b>c</b>	~	4	c	c	c	د	c	c	c	c	c	<b>c</b>	c	c	c	c	د
. 091	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>-</b> -	6	_	c	~	7	_
ion TS9	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	œ	-	c	<del></del>	~	c
Locat TS8	-	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	~	c	c	c	c	c
157 L	-	c	c	c	c	c	c	_	c	c	-	~	c	c	c	د	c	=	c	c	c	<b>-</b>	c	c	د	c	c
Sp i	. ~	c	c	c	c	c	_	_	c	<b>-</b>	~	2	c	c	c	c	c	c	c	c	c	c	د	c	c	c	c
ical TSS	*	c	c	c	c	-		c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
thet TS4	~	c	c	c	c	c	c	c	c	c	c	c	c	ď	c	c	c	c	c	c	c	c	c	c	c	c	c
Нуро 153	-	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
152	_	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
151	-	c	c	c	c	c	c	c	c	c	-	~	6	-	2	2	c	c	c	c	c	<b>,-</b> -	c	c	c	c	c
150	2	c	c	c	c	c	c	c	c	c	c	-	c	c	c	c	c	c	c	c	c	~	_	c	c	c	c
651	-	c	c	د	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
871	c	c	د	c	c	<b>c</b>	c	c	c	د	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
147	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Land Segment	₩.	7	\$	9	~	80	6	10	11	12	13	14	15	16	17		19										

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.

	Segment	,	,	Ì	,	ŗ	,	HYDO	thet	re (	Spi	ill Location
2 2 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		172	173	174	175	176	111	× -	179	80	-81	281
		~	2	2	2	2	~	-	c	c	<b>c</b>	c
		_	c	c	5	-	5	<b>c</b>	5	c	c	c
		-	c	-	c	c	_	c	c	c	c	c
2 1 1 1 2 1 2 2 1		۶	-	c	<b>c</b>	c	c	c	c	c	c	2
2		c	~	-	<b>,-</b>	<b>c</b>	c	c	c	c	5	ų.
2		c	7	c	~	<b>c</b>	c	c	c	c	c	c
2		c	4	c	c	c	c	_	c	c	5	c
13		c	~	c	M	c	c	_	c	<b>c</b>	c	c
		٤	c	c	13	c	c	-	c	c	c	c
		c	c	c	-	c	<b>c</b>	œ	c	_	c	c
		c	2	c	<b>c</b>	<b>c</b>	c	12	2	_	5	د
		c	2	c	c	c	¢	~	2	2	_	c
		c	c	c	c	<b>c</b>	c	<b>-</b>	c	c	<b>E</b>	c
		c	c	c	<b>c</b>	c	c	-	٤	c	<b>E</b>	c
c c c c c c c c c c c c c c c c c c c		c	c	c	c	<b>c</b>	c	c	~	c	<b>E</b>	c
		<b>c</b>	c	<b>c</b>	c	c	c	c	<b>E</b>	c	<del>-</del>	c
		_	c	c	c	_	c	c	c	c	-	

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.

Taryet	Drop.	Within 3 days prop. high	oxist.	prop.	ithin 10 day prop. high	exist.	1 1 1 0 1 0 E	thin 30 da prop. high	ys exist impor	t s
	Prop Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean.	Prob	Mean
Land	ი ი.ს	1 0.0	2 0	•	0	8	0	0	٥	•
Coastal waterpirds	ი.0		0	0	0	3 0.	•	0	2	
Sea Duck wintering	0	3 0.0	65 1.0	3 0.0	0.0 4	75 1.4	7 0.0	5 0.0	80	1.6
Westing Ar	7	0	0	0	0	5 0.	0	0	~	•
ald Ea	0°0		0	0	0	0	0	ċ	4	
st	′⊃	·	С	္	0	3 0.	0	0	S	
Perej, Falc, Miyr,	$\circ$	0	0	0	0	0	0	0		
Logyernead Turtle	C	0	0	o	0	0	0	0		•
urey seal Rookeries	၁	0	0	o	0	•	0	0		
Oyster urounds	0		0	0	0	0	0	0		
lue Crab Grou	0	0	1 0	0	0	.0	0	•	2	
nshore	0	0	С	•	)	0	0	•		•
arbor Seal Ro	0	0	8	o.	0	1 0.	0	•	2	
oastal Marshes	2	O	0	•	0	٠ 0 ہ	0	•	0	
Nati. widife. Refug.	)		1 0	• •	0	3 0.	0	0	<b>J</b>	
	つ	0	0 5	0	0	0	0	ċ	∞	
Marine San	0	C	0	Ċ	С	0	0	•		
ongov. "Idif. & N	)		1 0	0	0	2 0.	0	•	9	
J. Right Whale	0	0	<b>.</b>	0	0	5 0.	0	•	2	
jes Bank Cres	>	0	<u>.</u>	Ċ	0	0	0	· o		•
Strin. Bd. Sy.	2	C	0	o.	0	7 3.	•	·	*	•
Strm. Bd. S	0	=	0	0	0	1 0.	0	0	2	
Strm. ed. Sy.	2	7	5 0.	o	0	0 9	•	•	9	
ulf Strm. Bd. Sg.	0	0	0	Ċ	0	١ 0.	•	•	S	
tellwayen	0	0	0 9	c	0	8 0 8	0	•	6	`•
antucket	0	0	0 O.	ċ	0	2 0.	•	0	~	
E Georges Bank	0	0	<u>.</u>	0	0	9 0.	•	0	2	
•	)	0	0.0	0	0	0.9	0	0	~	
ard Clam	0°0 u	0	2 0	0	0	3 0.	•	ċ	~	
Soft Clam Grounds	n•n	0	j	•	0	·	Ö	0		0.1

Note: n = less than U.) 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)

	3	lithin 3 da	, s	13	thin 10 day		·3	thin 30 da	******* SX
Target	prop.	. do	0000	.00.0	prop.	prop.	Drop.	prop.	0000
	<u>۔</u> ء	) a e	Canyo	0		anyo	Ē	O mete	6
	Prob Mean	Prob Me	٦.	Prob Mean	rob Me	_	ç	rob	r ob
Land	0	0	۰ 0				0		o
oastal Waterbird	0	0	۰0 د	•		0	0	•	o
ea Duck Winteri	•	ċ	2 0.	•	•	Ö	•	0	3 0.0
y Nesting Ar	0	o	٠0 ،	0	0	o.	o	ċ	o
ald Eagl	0	0	• c	0	•	o	o	ċ	ċ
ereg. Falc. Nest	o.	Ö	۰0	0	0	o.	o	ċ	۰ 0 0
erey. Falc. Mig	0	o	• •	0	0	0	0	ċ	ċ
560	0	0	۰0 د	0	0	0	•	•	ċ
Grey Seal Rookeries	0	Ö	۰ 0	0	•	Ġ	•	0	0
Oyster Grounds	0	0	• 0 c	ċ	0	ċ	·	0	o
Blue Crab Grounds	·	o	۰ 0	0	0	0	ċ	•	•
Inshore Lobster	0	o	۰ 0	0	•	•	•	0	<b>.</b>
r Seal Ro	<u>.</u>	<u>.</u>	· 0	0	0	· •	<b>.</b>	• •	<b>ં</b> (
al Marshes	0	•	۰ 0	•	0	0	•	•	0
aldife. Re	0	o.	۰ 0	0	•	ċ	•	•	ċ
ldif. 8 nt	Ċ	o	• 0 •	0	•	ċ	ċ	ċ	ċ
Marine Sar	ċ	o	۰ 0	•	•	ċ	•	ċ	o ·
. wlalf. & N	0	o	• •	0	0	o.	•	•	ċ
Right Whale	0	o	C	·	ċ	0	·	o	0
s Bank Crest	c	o	\$ 0 <b>•</b>	•	•	ċ	0	•	o
strm. Bd. Sg.	o.	o	٠ د	•	0	•	•	· ·	o'
itrm. Bd. Sg.	c	ċ	۰ 0	0	ċ	•	o	•	o
itrm. Bd. S	·	0	۰ 0	0	0	ċ	•	•	ċ
itrm. Bd. Sg.	0	•	۰0	0	o	•	ċ	•	•
ragen Ba	0	0	• •	0	o	o.	•	ċ	ď
ket Shoa	0	0	• 0 c	0	0	•	0	•	•
orges Bank	0	0	1 0.	•	0	·	•	0	<b>.</b>
np./fn. whi	ċ	o	• •	0	•	•	0	0	ċ
Hard Clam Grounds	0°0 c	0°0 u	0.0	0.0	0°0 u	۰0 د	1 0.0	1 0.0	10.0
lam Sround	0	Ö	• •	0	0	Ċ	o	•	o

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

3	thin 3 day	!	3	thin 10 da	S	3	thin 30 da	, s	
rop.	prop.	prop	rop.	prop.	prop.	rop.	prop.	prop	
: _	•	i gh	igh	igh	igh	igh	igh	i gh	
	a te	anyo rob	rob B	U mete	90 y o r	Tobal E	rob Re	ranyon Prob Mea	_
C	0	0	•	0	0	o	0	o	
Ö	0	0	•	Ċ	0	0	0	0	
0	0	0	0	•	ċ	•	Ö	<u>.</u>	
ď	0	ċ	Ċ	•	ċ	•	•	ċ	
0	0	<u>.</u>	0	0	· ·	•	•	<b>.</b>	
· ·	0 :	• ·	<b>.</b>	<b>.</b>	<b>.</b>	<b>.</b>	<b>.</b>	<b>.</b>	
• c	<b>&gt;</b> C	• c	• c	• c		<b>.</b> c	• c	• c	
• •	o c	• c	• c	· -	•	• -			
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• ·	<b>-</b>	• c	<b>.</b>	• c	<b>.</b>	<b>.</b> c		<b>.</b> .	
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°	0	0	ċ	<u>.</u>	Ö	•	•	•	
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ď	0	•	ö	o	0	•	ċ	<u>.</u>	
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•	0	o.	ċ	•	ċ	•	•	ċ	
•	0	•	ċ	ċ	0	•	0	o	
0	0	c	<b>.</b>	ċ	•	•	0	<b>.</b>	
0	0	0	0	0	•	· ·	•	<b>.</b>	
•	0	• •	• •	•	· ·	<b>.</b>	• ·	<b>.</b>	
• •	0 0	• •	<b>.</b> c	• c	<b>.</b>	• c	• •	• c	
•	>	•	•	•	•	•	•	5	
Au .=	6 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	withy aile definition and the property of the	within 3 days	with mile deletion alternative, vs.  ive, vs. proposed lease offering (high brob. high high high high high high high hig	within 3 days	Within 3 days	Within 3 days ————————————————————————————————————	Within 3 days. Proposed lease offering fligh estimate) Canyon deletion alternative. Vs. proposed lease offering (high estimate) Canyon deletion alternative. Vs. proposed lease offering (high estimate) Canyon deletion alternative. Vs. prop. Prob Mean Prob M	Within 3 days are taken at the content of the conte

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 leases, and imports, vs. proposed lease offering (high estimate) existing leases, and imports. Probabilities are for spills 1,000 barrels and

	3	Lithin 3 days	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	within 10 day	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	thin 30 da	***************************************
Target	:		ō	exist.		pro	exist.	prop.	pro
	imports	mean	d 6	imports		igh	imports	ص ص	igh
	3		ap.	3	. (	OE 7	3	ex. imp.	G 4
	2			2	2			000	
Land		~	2 0.	8 1.		8 1.	9 2.	2 0	
Coastal Waterbirds			0	3 0.	3 0.	3 0.	s 0.	Š	
Sea Duck Wintering	65 1.0	~	9	-	-	-	-	_	
Surey Nesting Ar			0	5 0.	5 0.	5 0.	2 0.	~	
Vestin	2 0.0	2 0.0	0.0 5	•	•			_	
Pereg. Falc. Nest.	1 0.0		0	3 0.	3 0.	3 0.	5 0.	S	
Pereg. Falc. Migr.	14 0.1	14 0.1	0	0	0	·	ċ	٠	
Loggerhead Turtle	0°0 u	۰0 د	0	0	0	0	•	_	
<b>Grey Seal Rookeries</b>			1 0.0	0			·	0	
Oyster Grounds	2 0.0		0	0	0	ö	ö	0	
rou			0	١.	0	.0	2 0.	ر ح	
'n	19 0.2		0	•	0	•	•	0	
80			0	10.	0	.0	2 0.	2	
Coastal Marshes			0	, 0 ,	ċ	5 0.	· 0	0	
Natl. Aldife. Refug.			0	3 0.	ċ	, 0,	<b>.</b>	0	
•	7		0 7	o	•	• •	8	<b>∞</b>	
č	28 0.3		0	ċ	0	ö	0	0	
Sc	1 0.0		-	2 0.	2 0.	2 0.	0 9	9	
Maj. Right Whale Fd.			-	5 0.	ċ	s 0.	2	80	
Cre			0	5 0.	ċ	.0	8	_	
. Bd. Sq.			0	7 3.	m	7 3.	. 5.	*	
. Bd.			0	٠.	1 0.	1 0.	5 3.		
. Bd. Sg.	0.0		2 0	, 0 9	, 0 9	0 9	6 1.	9	
			0	1 0.	2 0.	2 0.	5 1.	2	
n Ban	16 0.2		0 9	8 0.	8 0.	8 0	9 0.	0	
Sho			-0	2 0.	3 0.	3 0.	3 1	7	
s Bank	~		0 7	9		2 0.	2 0.	2	
j. Hmp./	20 02	20 0.2	20 0.2	26 0.3	26 0.3	26 0.3	33 0.4	34 0.4	34 0.4
ø	~		0 ~	0	• 0 •	•	0 2	о м	
Soft Clam Grounds			0	0	0	ċ	0	_	

Note: 1 = 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 the lease offering offering the spills 1,000 barrels and greater.

מינים!	La	Within 3 days prop.	0000	1000	سد	0.00	3	Within 30 day prop.	s
	ne an	. C. P. Z.		. c	•		e a	re e	
	Prob dean	Prob Hean	Prob Mean	Prob Mean	rob	Prob Mean	Prob Mean	qo	Prob Mean
Land	n.u		1 0.0	•	1 0.0	•	•	•	ა 0.0
Coastal waterbirds	0.0 r		1 0.0	•	1 0.0	1 0.0	•	•	ō
Sea Duck wintering	2 0.0	2 0.0	2 0.0	0	0.0 5		0.0 %	3 0.0	0.0 4
Osprey Nesting Areas				•	ں 0•0	•	•	•	
Bald Eagle Nesting	ი.ი			•	0.0	•	•	•	0
Perej, Falc. Jest.	ი.ი ი		ი მ.ე	•	0.0	٥٠٥ د	•	•	
Perej. Falc. Migr.	ი•ი		0°0 u	•	0°0 '	•	•	•	n•0 u
Loggernead Turtle	$\overline{}$		2	0	0.0 r	•	•	0	•
Grey Seal Rookeries			n 0.0	•	0	•	٠	0	•
Uyster urounds			0	0	0°0 c	•	•	o	
alue Crap Grounds			0	ó	0	•	•	o	·
Inshore Looster	ი.ი		0	0	O	•	•	•	•
Harbor seal Rook.			0°0 u	•	0°0 u	•	•	•	
Coastal Marsnes			0	ċ	0	•	0	0	0
Nati. widife. Refug.	⊃		0	0	0	0	0	•	
St. widif. & Nt. Ar.			0	0	0	0	•	•	0°0 u
State Marine Sanc.	~	0°0	0	ċ	٥٠٥ د	•	•	•	ċ
			C	Ö	0	0	0	•	0
aj. Right whale			ი•ი	•	0°0 u	•	o	•	
es dank Cr	5 0.1	0	0	0	0	0	•	0	12 0.1
Strm. Ud. Sy.	$\supset$		0	0	0	0	o	•	•
ed. Sy.			0°0	o.	0	•		•	0
Strin. Bd.	C		0	·	۰ 0 0	۰ 0 د	•	•	
dulf strm. dd. Sy. 4	)	0	ი•ი	•	0	•		•	
Stellwagen bank			0	•	0°0 c		0	•	·
ر ا	)	٦.	0	0	0	•	•	0	ა 0.0
Georges Bank		<u>.</u>	0°0 2	•	3 0.0	•	•	•	
Mj. dmp./fn. whl. fd	•			0	0°0	1 0.0	•		າ o•ດ
ard Clam	∩•0 -	<u>.</u>	0	•		•	•	•	1 0.0
Soft Clam urounds	7.0 c	0	0°0		۰ 0 م	0°0 u	•	•	0°0 u

wote: n = less than U.S percent; \*\* = greater than 99.5 percent.

-- 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. Table 17.

	.3	Within 3 days	1 1 1 1	.3	thin 10 day	1 1 1 1 S	.3	thin 30 day	S/	ļ
Taryet	prop.	prop. high	exist. imports	prop. mean	prop. high	exist. imports	prop. mean	prop. high	exist. imports	
	Prop Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mea	c
Land	0.0 r	0.0	33 0.4	•	0	6 0.	0	0.0	1.	
Coastal Waterbirds	0	0	0 7		0	0	•	Ö	5 0.	
Sea Duck Wintering	0	0	0	•	0	3 0.	Ö	ċ	ċ	_
sprey Nesting Ar	C	۰ 0 0	0.0 4	o	·	<u>.</u>	•	0	3 0.	
Bald Eagle Nesting	0	0	0	0	0	0	0	ċ	o	_
<u>د</u>	C	0	С	•	0	2 0.	•	ċ	2 0.	_
Pereg, falc. Migr.	0	0	3 0.1	•	0	ċ	•	Ö	o	
Loggerhead Turtle	C	Ç	0	•	0	ċ	o	•	o	_
<b>Grey Seal Rookeries</b>	0	0	0	0	0	o	0	0	o	_
er Gro	0	J	0	0	0	0	0	•	o	_
blue Crab Srounds	0		0	o	0	0	0	ċ	1 0.	_
Inshore Lobster	C		0	o.	0	0	0	0	o	
Harbor Seat Rook.	C		0	0	0	6 0.	0	0	7	
Coastal Marshes	0		0	0	0	Ö	ċ	o	•	
Nati. Aldife, Refug.	C		0	0	0	3 0.	o.	·	0.0	
alf. K	0		0	0	o.	3 0.	ċ	ċ	• • •	_
rine San	С		0	0	0	0	0	<u>.</u>	•	
Nongov. Widlf. & Nt.	0		0	0	0	0	ċ	ċ	3 0.	_
ht Whale	0		0	•	0	3 0.	0	•	o ·	
ges Bank Cr	C		0 m	0	·	0	ċ	•	۰ 2	
Strm. Bd. Sg.	0		0	<b>.</b>	o	7 2.	0	0	9.3	
Strm.	C		0	0	0	5 0.	ċ	•	-	
Strm. Bd. Sq.	C		0	0	0	9	ċ	•	, 0,	
Bd. Sq.	0		0	0	o	9 0.	0	•	5 1.	
Stellwayen Bank	C		0 6	0	o.		0	•	.0	
Nantucket Shoals	0		0	0	•	• 0 •	o	o	2 0.	
orges	0		7 0	٠	0	0	0	0	° 0°	
Mj. Hmp./fn. Whl. fd	C		0	o	0	5 0.	ċ	0	• •	
ard Clam Ground	0°0 u	ი•ი	7 0.1	0•0 د	0°0 u	14 0.1	۰0 د		19 0.2	
Soft Clam Grounds	C		0	0	o	ċ	ċ	o	0	

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

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) sixty meter are spills 10,000 barrels and greater. Table 18.

	( M	Within 3 days	1 1 1 1 1 1	· 8	Within 10 days	! ! ! ! ! S	13 111111	Within 30 days	S.
laryet	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.
	mean	med 7	ean	-		ean		•	
	Prob Mean	ou meter Prob Mean	tanyon Prob Mean	Prob Mean	ou meter Prob Mean	ranyon Prob Mean	Prob Mean	Prob Mean	ranyon Prob Mean
Land	n 0.J	0°0	0°0	1 0.0	1 0.0		2 0.0	2 0.0	2 0.0
Coastal Waterbirds	7	0 <b>°</b> 0	0°0	0.0 u	0°0 u		•	1 0.0	1 0.0
Sea Duck Wintering	1 0.0	0	1 0.0	1 0.0		C	1 0.0	2 0.0	2 0.0
Westing	0	0	ე•0 u	0°0 u	٥٠٥ م	n 0.0	0°0 u	•	0°0 u
dalu Eagle Nesting	)	0	0	0	0		•	•	•
Perey, Falc. Nest.	)	C	n 0.0		0	0	•	٠	•
Peres. Falc. Migr.	7	0		0	0		•	•	۰ 0 د
Loggernesd Turtle	)	0	0	)	•	0	0°0 u	٠	0°0 u
urey seal Rookeries	)	C	0	0°0 u	0	0	٠	•	ກ•0 ເ
uyster Grounds	)	O	0	0	0	0	0°0 u	•	
dive Crap prounds	0.0 c	0	0	0.0 n	•	0°0	•		o•0
Inshore Luaster	2	C	0	0	0	0	0°0 u	۰ 0 0	ი•ი
daruor Seal Rook.	0	0	0	0	0	ى 0•0	•	•	0
Coastal Marshes	2	0	0	0	0	0	•	•	0°0
Natl. Wlalfe. Refug.	)		0		0	0°0	•	•	ი•ი
St. wlulf. a Nt. Ar.	0	0	0	0.0 n	0	0	۰ 0 0	•	
State Marine Sanc.	ი.0 ი	0	0 <b>°</b> 0 c	0°0 u	0 <b>°</b> 0	0°0 u	•	Ö	1 0·0
Nongov. wlulf. & Nt.	2	О	0°0	0	0	۰ 0 0		•	n•0 u
Maj. Right whate Fd.	0	C	<u>د</u>	0	0	0	٠	•	ი•ი
_	$\supset$		0.0 5	3 0.0	0	3 0.0	٠	•	•
Gulf Strm. Bd. Sy. 1	0	С	0	0	0	0	•	•	
	0	0	0	0°0 u	0	0	•	•	0°0
	$\supset$	0	0	0	0	0	٠	٠	•
	Ċ	0	0	0°0 u	0	۰ 0 0	•		_
C Cank	C	0	0	0	c C	0	۰ 0 0	•	• •
Nantucket Shoals	ث	C	0	0°0 c	0	1 0.0	•		
	<b>D</b>	0	0	0	•	0	2 0.0	1 0.0	2 0°0
Mj. Hap./fn. whi. Fd		0°0 '	n.0 r	0°0 u	0°0 u	0°0 u	1 0.0	1 0.0	•
ard Clam	כ	Ω (	0 (	0.0	• ·	<b>-</b>	0.0	•	•
SOUL CLAM GROUNSS	2		•	<b>-</b>	•	0.0 u	0.0	0.0	n•n

Note: n = less than U.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.

	1 1	1	Within 3	days	1	!	73	Within 10 days	***** S	3	Within 30 days	S A
lurset	prop.		prop.		prop		prop.	prop.	prop.	prop.	prop.	prop.
	ri o i		high		_		high	high	high	high	high	high
	50 m) t	l e	60 meter	ter	`	00	-	60 meter	anyo		ete	Canyon
	۲ د د	Hean	Prob	Mean	Prot	Mean	Prob Mean		Prob Mean	Prob Mean	Prob Mean	Prob Mean
Lanc	c	o•0	د	0.0	c	0.0	1 0.0	1 0.0	1 0.0	2 0.0	2 0.0	0.0
Coastal waterbirds	c	<b>0.0</b>	c	ງ•0	c	ŋ <b>•</b> 0		0	0°0 u	•	•	_
Sea buck wintering	-	U•U	-	0.0	-	0.0	1 0.0	2 0.0	0	•		_
Usprey Nesting Areas	c	0.0		ŋ <b>.</b> 0	c	0.0	J.0 n	0°0 u	0	0°0 u	•	0°0 u
- O	c	0.0	c	0.0	c	o <b>.</b> 0	0	•	0	•	•	ი.ი
	د	O.U	c	0.0	c	J.O	0°0 u	0°0	0°0	•	0	n•0 r
Perey. Falc. Migr.	c	U.U	c	٠ <b>٠</b>	C	O.O	0.0 n	)	0•0	•	•	ი•0 ს
Loggerhead Turtle		٥.0	۵	0.0	c	o• د		0°0 u	2	•	0	۰ 0 م
urey Seal Rookeries		0.0	c	ŋ <b>.</b> 0	د	0.0		0	0	•	0	ი.0
Oyster Grounds	c	∩•n	د	0.0	c	0.0		0	0	0	•	
olue trat Grounds	c	0.0	<b>c</b>	0.0	c	0.0	0°0 c	0°0 u	0	0	•	•
Inshore Lobster	د	0.0	د	0.0	c	0.0		0	0	•	ċ	•
Harbor Seal Rook.		ດ•ດ	c	0.0	c	0.0	0°0 u	0	0	•	•	
Loastal Marshes		0.0	<b>c</b>	0.0	c	0.0	0.0 u	0°0	0	•	Ö	0
Nath, widife, Refug.		0.0	c	0.0	د	0.0		0°0 u	0	•	0	
St. Wlulf. & Nt. Ar.		0.0	c	0.0	c	0.0		0	0°0 u	•		o
State Marine Sanc.	c	0.0	<b>c</b>	0.0	c	٥•ر	0.0 r	0°0 u	0	0	•	0
[†. ŝ		0.0	=	n <b>•</b> 0	Ξ	0.0		0°0 u	0	•	•	0°0 "
Maj. Riynt whale Fd.		U•U	<b>c</b>	0.0	_	0.0		0°0 u	0°0 u	0	•	0°0
Jes dank Cr	J	ე•ი		0.0	~	ŋ <b>•</b> 0	0.0 7	3 0.0	0	•	•	0
Strm. Ed. Sy.		o•0	<b>c</b>	0.0	c	0.0		٥٠٥ د	0	•	•	
strm. Bd.	c	0.0	c	0.0	_	0.0		۰ 0 0	0	٠	•	•
strm. Ed. Sg.		ກ•າ	د	0.0	c	0.0		٥٠٥ ر	0	•	•	1 0.0
Gulf strm. Bd. 5g. 4	c	ŋ <b>•</b> 0	c	0.0	c	0.0	0°0	•	0		•	•
stellwayen Bank	c	n•0	٥	0.0	_	0.0	0°0 u	•	0	٠	0	0°0 u
Nantucket Shoals	c	0.0	c	0.0	<b>c</b>	0.0			1 0.0		•	٠
SE Georges bank		0.0	<del></del>	0.0	-	0.0	0.0 5	•	0	•	0	
Mj. nap./fn. whi. fo		0.0	c	0.0	c		0°0 u		0°0 u	1 0.0	1 0.0	1 0.0
Hard Clam Grounds		n•n	<b>c</b>	0.0	c	0.0	0°0 u	0°0 u	ე•0 u	٠	•	1 0.0
soft Clam urounds	د	0.0	c	0.0	c	0.0	0°0 u	•	0°0 u	•	•	o•0 •

Note: n = less than U.S 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 leases, and imports, vs. proposed lease offering leases, and imports, probabilities are for spills 10,000 barrels and greater.

Image: Section	4 0 7 1	1 4 4	within 5 day	1 (	1 4	נחוח	S - 1	1 4	thin 50 da	
Proof Near Prob Mean Prob Mean Prob Near Prob	19519-	Mport	L O	∟ .–	st. ort	nron.	L	st. ort	prop.	nieh.
Ferbirds 14 0.2 15 0.2 15 0.2 56 0.8 56 0.8 56 0.8 571 1.2 71 1.3 72 11.0 11.0 11.0 11.0 11.0 11.0 11.0 11.		roo Mea	x. imp	x. imp.	rob Mea	x. imp.	x. imp.	rob Mea	· imp. ob Mean	ex. im
13										
Therefore the state of the stat	nd	0	3 0	3 0	9	0 9	6 0.	٦.		<b>-</b>
verying         44 0.6         45 0.6         45 0.6         45 0.6         46 0.6         46 0.6         46 0.6         47 0.6	oastal Waterbird	C	2	<b>S</b>	0 9	9	6 0.	5 0.	s 0.	ċ
Marker   1	ea Duck winterin	C ,	0 7	5 0	3 0	0 7	• 0 •	9 0.	0 0	0
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 0 2 0.0 0 1 0.0	prey Nesting Area	0.0	0	0	0	0 6	9 0.	3 0.	3 0.	•
Turtle n 0.00 n 0.00 n 0.00 c 2 0.00 c 2 0.00 c 2 0.00 c 3 0.00 c 3 0.00 c 1 0.00 c	ald Eagle Nestin	1 0.0	0	0	C	0	ö	0	0	•
The first control of the control of	ereg. Falc. Nest	0	0	0	0	0	0	0	0	0
Turtie n 0.0 1 0.0 1 0.0 1 0.0 1 0.0 n 0.0	ereg. Falc.	0	0	0	0	9	0 9	100.	1 0.	0
Note	oggernead Turtl	0	0	0	0	0	0	0	0	ċ
Trounds 1 0.0 1 0.0 1 0.0 1 0.0 2 0.0 2 0.0 2 0.0 4 0.0 4 0.0 1 0.	Seal Rookerie	0	0	0	0	0	0	0	•	0
rounds n 0.0	Ē	0	0	0	0	0	0	0	•	o
Note:  11 0.1 11 0.1 11 0.1 1 0.1 1 0.1 1 0.2 16 0.2 16 0.2 18 0.2 18 0.2 18 0.2 18 0.2 18 0.2 18 0.3 18 0.	Crab Ground	0	0	0	0	0	0	0	Ö	0
Prook. 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 7 0.1 8 0.2 18 0.2	ore Lobste	C	0	0	0 9	9	0 9	8 0.	8 0.	0
sees 10 0.1 10 0.1 10 0.1 14 0.2 14 0.2 14 0.2 13 0.1 20 0.2 18 0.2 18 0.2 e. Refug. 5 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 20 0.2 20 0.2 20 0.2 20 0.2 20 0.2 20 0.2 20 0.2 20 0.2 20 0.3 25 0.3 25 0.3 32 0.4 40 0.2 32 0.4 32 0.4 40 0.4 40 0.2 32 0.4 40 0	oor Seal Rook	0	0	0	9	0	0	7 0.	7 0.	•
e. Refug.         5 0.1         6 0.1         13 0.1         13 0.1         13 0.1         13 0.1         13 0.1         13 0.1         13 0.1         13 0.1         13 0.1         13 0.1         13 0.1         14 0.0         5 0.0         5 0.0         3 0.0<	she.	0	0	0	0 7	0 7	• 0 •	3 0.	8 0.	•
8 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 4 0.0 4 0.0 4 0.0 4 0.0 4 0.0 1 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 32 0.4 32 0.4 32 0.4 32 0.4 32 0.4 32 0.4 32 0.4 32 0.4 32 0.4 32 0.4 32 0.4 32 0.4 32 0.4 32 0.4 32 0.4 47 0.0 3 0.0 1 0.0 1 1 0.0 1 29 0.3 31 0.4 32 0.4 47 0.6 49 0.7 50 0.9 87 2.0 87 2.0 87 2.0 96 3.2 96 3.2 96 3.2 96 3.2 96 3.2 9 0.3 3 0.0 3 0.0 5	•	C	0	0	3 0	3 0	3 0.	0 0	0 0	0
Let 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 32 0.4 32 0.4 Whate Fd. 1 0.0	& Nt.	C	0	2 0	3 0	3 0	3 0.	• 0 •	· 0 ·	Ö
No. widdit, & 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 8 Nt. Huble Fd. 7 0.1 7 0.1 8 0.1 8 0.1 8 0.1 10 0.1 11	ē	0	0	9	5 0	5 0	5 0.	2 0.	2 0.	°.
Right Whale Fd.       7       0.1       7       0.1       8       0.1       8       0.1       10       0.1       10       0.1       10       0.1       10       0.1       10       0.1       10       0.1       10       0.1       10       0.1       10       0.1       10       0.1       10       0.1       10       0.1       10       0.1       10       0.1       10       0.1       10       0.1       10       0.2       10       0.2       10       0.2       10       0.2       10       0.2       10       0.2       10       0.2       10       0.2       10       0.2       10       0.2       10       0.2       10       0.2       10       0.2       10       0.2       10       0.2       10       0.2       10       0.2       11       0.1       11       0.1       11       0.1       11       0.1       11       0.1       11       0.1       11       0.1       11       0.1       11       0.1       11       0.1       11       0.1       11       0.1       11       0.1       11       0.1       11       0.1       11       0.1       11       0.1	જ	0	0	0	1 0	1 0	1 0.	3 0.	3 0.	•
Strm. Bd. Sg. 1 59 0.9 59 0.9 87 2.0 87 2.0 87 2.0 96 3.2 96 3.2 96 3.2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Right Whale F	0	0	7 0	8 0	8 0	8 0.	0 0	0 0	ċ
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 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 1.1 8	Jes Bank Cres	C	0	1 0	0 6	1 0	2 0.	7 0.	9 0.	·
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. Strm. Bd. Sg. 2 5 0.0 3 0.0 3 0.0 9 0.1 9 0.1 9 0.1 54 0.8 5	Strm. Bd. Sg.	0	0	0 6	7 2	7 2	7 2.	6 3.	6 3.	ň
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 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 6.1 65 1.1 65	Strm. Bd. Sg.	0	0	5 0	5 0	5 0	5 0.	1.	1.	-
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 45 1.   wagen Bank	Strm. Bd. Sg.	0	0	0	0 6	0 6	90.	4 0.	• 0 •	o
tellwagen 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 11 0.1 11 0.1 11 0.1 11 0.1 11 0.1 11 0.1 11 0.1 11 0.1 11 0.1 11 0.1 11 0.1 11 0.1 11 0.1 12 0.1 12 0.1 12 0.1 12 0.1 13 0.1 19 0.2 21 0.2 22 0.2 10 0	Strm. Bd. Sg.	0	0	0	0 6	0 6	90.	5 1.	5 1.	-
antucket Shoals 25 0.3 25 0.3 25 0.3 34 0.4 34 0.4 42 0.6 43 0.6 43 0.6 5 0.8 5 0.0 5 5 0.3 5 0.0 5 0.0 5 0.0 5 0.0 5 0.0 5 0.0 5 0.1 5 0.1 5 0.1 5 0.1 5 0.1 5 0.1 5 0.1 5 0.1 5 0.2 5 0.0 5 0.	tellwagen Bank	C	0	0	1 0	0	1 0.	.0	1 0.	•
E seorges Bank 7 0.1 3 0.1 3 0.1 11 0.1 12 0.1 13 0.1 19 0.2 21 0.2 22 0. 3. 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. and 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. oft 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	antucket Shoal	0	0	5 0	4 0	0 7	• 0 •	2 0.	3 0.	o
J. 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. and 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. oft 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	E seorges Ban	0	0	3 0	1 0	2 0	3 0.	9 0.	1 0.	0
ard Clam Grounds 7 0.1 7 0.1 7 0.1 14 0.1 14 0.1 19 0.2 19 0.2 19 0.0 0.1 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	J. Hmp./fn. wht. F	C	0	2 0	5 0	0 9	6 0.	0 0	0 0	Ö
oft 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	ard Clam Ground	0	0	0	0 7	0 7	,0 ,	9 0.	9 0.	o
	oft Clam Ground	0		0	0	0	0	0	0	Ö

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

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 (mean estimate) new York deletion alternative. Probilities are for spills 10,000 barrels and Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) laule 21. --

aryet	prop.	within 3 days prop. mean	orop.	prop.	Within 10 day prop.	prop.	prop.	Within 30 day: prop. mean	LO.
	Prob Mean	N. Y. Prob Nean	N. Y. Prob Mean	Prob Mean	√. Y. Prob Mean	N. Y. Prob Mean	Prob Mean	N. Y. Prob Mean	N. Y. Prob Mean
	0.0	0.0 n	0°0	•	•		•	0	
Coastal waterbirds	0.0		0			0	•	0	0
Duck wintering	1 0.0	1 0.0	1 0.0	1 0.0		0.0	2 0.0	2 0.0	ິ 0•0
Osprey Nesting Areas	ი ი.მ		ے		0.0	0.	•	•	0
v	0.U		0°0 c	•	•		•	•	
Perey, Falc, Nest,			ე•0 u	0	•	0		0	
			0°0 u	0	•	•	•	•	•
$\subseteq$	0.0 0		0°0 u	•	•	0	•		•
urey seal kookeries	u•0		0°0 u	0	0°0 u	0	•	0	•
Oyster Grounds			0.0	0	•	ċ	•	•	•
alue trap orounds	O•0		0°0 c	0	•	0		o	•
30			0 <b>.</b> 0	•	•	0	0	•	•
Harbor seal Rook.	ე•ე ო		۰ 0 0	ċ	0	•		•	o
Coastal Marshes	0.0		0.0	0	0	0		•	o
Natl. wlolfe. Refug.			۰ 0 د	0	0		0	•	ი•ი
St. wldlf. b nt. Ar.	ი.ი		0°0 u	0	0	0	•	•	
e Marine Sanc.	ი•ი		٥ <b>٠</b> 0 د	•	0	<u>.</u>	0		
			C	0	0	0	0	0	0
nale	0.0 v		0°0 u	0	•	•			0
es dank Cr			0	ċ	•	0	o	o	6 0.1
Strm. bd. Sy.			٥	0	0	0	0	0	0
Strm. bd. Sy.			0	•	•	0	o	0	0
•	ი.ი		0	0	0	•	0	•	0
Strm. bd. Sj. 4			0	0°0 u	•	0	•	0	2 0.0
Stellwagen bank	0.0 n		0	•		•	•		0.0 n
Nantucket Shoals	0°0 u	۰ 0 د	0	•	•	0	0	ċ	0
			0		•		•		
Imp./F	ი.0 ო		0	0	•	•	0	ċ	•
_	·	0°0 u	0	0	•		·	0	1 0.0
oft Clam urounds	0°0 u	0°0 u	0°0	0.0 u	٥٠٥ س	•	•		

Note: n = less than u.S 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

			1	3	10 da	,	i M	thin 30 da	- 1
Land Segment	prop. mean	prop. high	exist. imports	prop.	prop. high	exist. imports	prop. mean	prop. high	exist. imports
	Prob Mea	n Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean
2	0	0	0	0	0		0	0	• •
۲	0	۰0 د	1 0.0	0	0	•	0	0	0
7	0	• 0 ·	0	•	0	0	0	0	0
~	•	۰0 د	0	•	0	0	·	o.	0
9 ^	0.0	0.0	0 0	0.0	000	7 0.0	000	000	3 0.0
- ∝	•		) C	· c	• c	- 4	• c	• c	
0 6	Ö	· ·	0	0	Ċ	0	0	Ö	Ö
10	0	• 0 •	0	0	0	0	0	0	7 0.
11	0	۰0 د	0	•	0	0	•	o	•
12	0	۰0	0	•	0	0	•	ċ	•
13	ċ	· 0	0	•	•	0	o.	Ö	ċ
15	Ö	۰ د	0	•	<u>.</u>	0	0	0	0
16	•	• •	0	•	0	0	•	0	•
17	0	• •	0	•	0	0	0	ċ	0
20	ċ	۰	0	•	•	0	•	o	•
21	0	۰ 0	0	Ö	•	0	•	ċ	•
22	•	n 0.	0	•	0	0	0	ċ	0
23	<b>.</b>		0 (	<b>.</b>	· •	0	•	<b>.</b>	• ·
57		• •	<b>)</b>	• ·	•	<b>-</b>	<b>.</b>	• ·	<u>.</u>
\$ \$2	• c		<b>&gt;</b> C	• •	• •	<b>-</b>	• •	• c	• •
22	• -	•	) C			) C	ċ	-	
28	• c		0 0			· C	Ċ	0	
62	Ċ	· c	0	Ö	o	0	0	•	0
30	0	۰0 د	0	0	0	0	0	Ö	0
32	0	°0 c	0	0	0	0	ċ	0	•
33	0	۰0	0	o	0	0	•	•	0
. 34	ö	۰0 ۰	0	•	0	0	ċ	o	5 0.
35	Ö	۰ 0	0	•	ċ	0	•	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.

-- 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). Propabilities are for spills 1,000 barrels and greater. Table 23.

	3	Within 5 days		3	Within 10 days	S	- M	thin 30 day	S
Land	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.
Seyment	mean	mean	mean	mean	mean mean mean	mean	mean	mean	mean mean
	50 mile	50 mile 60 meter	Canyon	50 mile	60 meter	Canyon	50 mile	60 meter	Canyon
	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean
3.5	0.0	0°0	0°0	0°0 u	0°0 u	0.0 n	1 0.0	1 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.

	Within 3 day	hin 3 days	; ; ; ; ; ; ;	<u> </u>	Within 10 days	· · · · · · · · · · · · · · · · · · ·	j. M	Within 30 days	• • • • • • • • • • • • • • • • • • •
Land	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.
Segment	high	high	high	high	high	high	high	high	high
	50 mile	60 meter	Canyon	50 mile	60 meter	Canyon	50 mile	60 meter	Canyon
	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean
25	0°0 u	0.0	0°0	0°0 u	0.0	0°0 u	n 0.0	1 0.0	1 0.0
35	0°0 u	0°0 u		0°0 u	۳ 0،0	0°0 u	2 0.0	1 0.0	2 0.0

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. Probabilities are for spills 1,000 barrels and greater.

prop. high ex. imp.	5555	13 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
ithin 30 days prop. mean ex. imp. Prob Mean		00000		2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
exist. imports Prob Mean				2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
prop. high ex. imp. Prob Mean	0000	-	000000	2 4 1 1 1 3 8 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
thin 10 day prop. mean ex. imp.	0000			2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
exist. imports	0000	- × 1	000000	7
prop. high ex. imp.				
Within 3 days prop. mean ex. imp. n Prob Mean	0000		000000	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
exist. imports Prob Mean	0000	00000	000000	- r - r - x x x x x x x x x x x x x x x
Land Segment	พพงก	o	12 13 20 20 20 20 20 20 20 20 20 20 20 20 20	222 243 265 37 38 38 38 38 38 38 38

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.

	מפניננים פוס מובפוני		Vas. Proposed (ease officially virging virging to the loss detection detection acceptable) and greater.	3					000
Land Seyment	TOOP G	prop. prop. mean N. Y.	prop.	prop.	prop. prop. prop. mean mean high N. Y.	prop.	Prop.	thin 30 day prop. N. Y.	S prop. N. Y.
25		0.0	0.0	0.0		0.0	0.0	0.0	1 0.0
35	0.0 u	0°0 u	0.0	0.0	0°0 u	0.0 c	1 0.0	1 0.0	2 0.0

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. Table 27. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean)

Lund Seyment	prop.	s it	hin 3 prop. high	days	exist.	prop.	within 10 da prop. high	ys exist. imports	prop.	Within 30 days prop. high	exist.
	Prob Me	ean	Prob M	ean .	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean
V		0		0.	1 0.0	0°0	•	5 0.0	0.0	n 0.0	
>	n 0.	0		0.	1 0.0	0.0 r	0°0 u	3 0.0	0°0 u	0°0 u	7 0.1
7		0.		0.	0.0	0	•	1 0.0	0	٥٠٥ د	0
٥		0		0.	۰ 0 د	0	•		0	0°0 u	
7		ם.		0.	1 0.0	0	•		0	0°0 u	0
70		0		0.	0.0 7	0	•		0°0 u	0°0 u	0
<b>⋄</b>		0		0.	6 0.1	۰ 0 0	•	7 0.1	0°0 u	۰ 0 س	0
1,1		0		0.	1 0.0	0	Ö		0	0	0
11		٥.		0.	0	0	Ö		0	0	0
12		0.		0.	0	0	0		C	0	0
13		٥,		0.	0.0 4	0	•		0	0°0 u	0
15		0.		0.	0	0	0		0°0 u	0	0
16		0		0.	0°0 u	0			0	0	1 0.0
1.7		0		0.	0°0 u	۰ 0 0	ċ	0.0 n	0	n 0.0	1 0.0
21		0		0.	0°0 u	0	٠		0	0	1 0.0
23		٥,		٥.	0	0	0		n 0.0	0	0
5.4		0		0.	1 0.0	0	•		0	0	0
52		0,		·	0	0	ċ		۰ 0 م	0	0
20		٥.		٥.	0	0	•		0	0	0.0 7
2.2		0,		0.	0	0	0		0	0	0
23		0		0.	0	C	•		0	0	0
59		0		•	0	0	·		0	0	0
30		٥.		0.	0	0	Ö		0	0	0
33		0		0.	0	0	0		0	0	0
34	n 0.0	0	٥	0.0	0.0 5	n 0.0	0°0	3 0.0	۰ 0 د	0°0	3 0.0
35		0		0.	0	0°0	ċ		0	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.

	3   1   1   1   1   1   1   1   1   1	within 3 days	1 1 1 1 1	1 M	Within 10 days	S	13	Within 30 days	S
Land	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.
Seyment	mean 50 mile	mean 60 meter	mean Canyon	mean 50 mile	mean 60 meter	mean Canyon	mean 50 mile	mean 60 meter	me an Canyon
	Prob Mean	rob Mean Prob Mean	Prob Mean	Prob Mean	Prob Mean Prob Mean	Prob Mean	Prob Mean	Prob Mean Prob Mean	Prob Mean
. 35	0°0 u	0°0 u	0°0 u	0°0 u	0°0 u	0°0 u	1 0.0	0°0 u	1 0.0
Note: n = less than U.5 percent; ** = greater than 99.5 percent. Segments with less than O.5 percent probability of one or more contacts within 30 days are not shown.	U.5 percent	; ** = great ithin 30 day	er than 99.5 s are not sh	percent. Se own.	gments with	less than O.	,5 percent p	robability	

	; M	Within 3 days	Within 3 days Within by the state of t	13	Within 10 days	! ! ! ! !	i 3	Within 30 days	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Land	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.
Segment	high	high	high	high	high	high	high	high	high
1	50 mile	60 meter	Canyon	50 mile	60 meter	Canyon	50 mile	60 meter . Canyon	Canyon
	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean		Prob Mean		Prob Mean
35	0°0 u	0.0	0.0	0.0	0.0	0.0	1 0.0	1 0.0 1 0.0	1 0-0

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 and imports, vs. proposed lease offering (high estimate) existing leases and imports. Probabilities are for spills 10,000 burrels and greater. -- Provabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean) Table 30.

	Within 5	ithin 5 days	!!!!!!!!!!	!	Within 10 days	S A	F	Within 50 days	S A
Land	exist.	prop.	prop.	• •	prop.	prop.	st.	prop.	prop.
n managar.	S 1 LOC III	ex. jmp.	nign ex. imp.	0	ex. imp.	ex. jmp.	10 d E	ex. jmp.	ex. imp.
	Prob Mean	Ω Σ	Prob Mean	Prob Mean	٥	د	Prob Mean	ob M	Prob Mean
~	1 0.0	•	1 0.0	5 0.0		5 0.0	7 0.1	7 0.1	
3	1 0.0	•		3 0.1	3 0.0	3 0.0	7 0.1	С	0
7	0°0	0°0 u	n 0.0	1 0.0	С		0	2 0.0	2 0.0
5		0			C	0°0 u	<u> </u>	2 0.0	0
7	1 0.0	0		0	0	0	0	_	0
O		0.0 7		8 0.1	8 0.1	8 0.1	10 0.1	C	0
ţ,				C	0				0
10		1 0.0	•	0	0			0	0
11		1 0.0	•	0	0	0		0	0
12		1 0.0	•	0	0	С		0	0
13	0.0 4	0	•	C	6 0.1	6 0.1	7 0.1	0	0
15		1 0.0	•	0	0	0		0	0
10		0	•	0	0	0		0	0
17		0	•	0	0	0	1 0.0	_	0
21		0	•	0	0	0	1 0.0	1 0.0	1 0.0
23				0	0	1 0.0		C	0
54		0	c	0	0	0		0	0
25		0		C	0	0		C	0
56		0	Ċ	0	0	0		0.0 7	0
2.5		0	•	0	0	0		0	0
5،	0	0	Ö	0	0	0		0	0
< > .	9		0	0	0	1 0.0	1 0.0	0	0
5.1	9	0	0	0	0	0		0	0
3.5	)	0	c	C	0	0		0	0
34	ر•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	0		0	0	0	0		C	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.

o e	Table 51 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	(ease offering (mean estimate), vs. proposed (ease offering (mean estimate) New York deletion alternative,	vs. proposed lease offering (high estimate) Lew York deletion alternative. Probabilities are for spills	the Marra Le and Granator
-----	---	--	--	---	---------------------------

	7	Within 3 days		. W E.	Within 10 days	S	· 3	Within 30 days	S
Land	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.
se Juant Se	mean	mean N. Y.	ы. у <b>.</b> И. Ү.	mean	mean N. Y.	high N. Y.	าคลก	mean N. Y.	high N.:Y.
	Prop Mean	Prop Mean Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean Prob Mean	Prob Mean
5.5	U.O	0°0 u	0°0 u	0.0 n	0°0 u	0.0 n	1 0.0	1 0.0 1 0.0	1 0.0
Note; n = less than J.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.	n = less than J.5 percent; ** = greater than 99.5 per of one or more contacts within 30 days are not shown.	; ** = great ithin 30 day	er than 99.5 sare not sh	percent. Se	gments with	less than 0	.5 percent p	robability	

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. luble 32. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean)

	. F	within 3 days	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	į 2	thin 10 day	s	i 3	ithin 30 day	ı
Lund Sejment	prop.	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	0	0	0	•	0	0	c	0	o
~	0.0 c	0°0 u	3 0.0	۰ 0 0	0°0 u	12 0.1	n 0.0	n 0.0	0
7	0	0	0	0	0	0	0	Ö	o
Š	9	0	0	0	•	0	Ċ	c	Ö
0	0	0	0	Ö	0	0	0	0	Ö
~	0	0	0	•	0	0	Ξ.	Ö	Ö
ఐ	0	0	0	ċ	0	_	Ċ	0	
•	)	0	0	0	0	0	0	0	Ö
<b>1</b>	9	0	0	0	ċ	0	c	<u>.</u>	ċ
11	0	0	0	0	Ö	2	ċ	ċ	Ö
12	)	0	0	0	•	0	0	ċ	Ö
13	0	0	C	0	0	0	0	ċ	ċ
14	0	0	0	<u>.</u>	0	0	Ċ	ċ	o
15	0	0	0	0	0	0	0	o.	ċ
10	0	0	0	ċ	Ö	0	<u>.</u>	o	Ö
1.2	0	0	0	·	•	0	Ċ	ċ	Ö
13	)	0	0	ċ	ċ	0	0	ċ	ċ
21	0	0	0	0	0	0	0	0	o
54	0	0	0	0	o	0	0	ċ	0
5.5	0	0	0	0	°.	3 0	0	0	Ċ
5.3	0	0		0	•	0	0	o.	ċ
2.7	0	0	0	0	ċ	0	0	ċ	ċ
23	0	0	0	0	0	0	0	•	o
<b>6</b> 2	)	0	C	ċ	ċ	0	0	0	o.
3.1	)	0	0	0	ċ	0	0	0	ċ
3.2	)	0	C	0	0	0	<u>.</u>	<u>.</u>	<u>.</u>
	0	0	0	0	o	_	0	ċ	ċ
\$>	)	0		0	•	0	0	ċ	ċ
òò	)	C	С	0	Ċ	0	0	Ċ	o
3.7	)	0	0	0	0	0	ċ	0	o
38	0°0	0	0	0	•	0	0	ċ	7
39	0	0	0	Ċ	0	0	0	0	°.
	•		1	,	•				

Note: n = less than J.5 percent; \*\* = greater than 99,5 percent. Segments with less than O.5 percent probability of one or more contacts within 30 days are not shown.

Table 55 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, prolease offering (mean estimate) fifty mile deletion alternative, vs. proposed lease offering (mean estimasive, vs. proposed lease offering (mean estimate) sixty meter deletion alternative, vs. proposed lease offering (mean estimate) tanyon deletion alternative probabilities are for spills 1,000 barrels and greater.	obabilities (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) tanyon deletion alternative. Probabilities are for spills 1,000 barrels and greater.	ressed as pentacting langer near estimater ion alternater for spills	d segments e) fifty miltive, vs. pr. 1,000 barre	) of one orm (set 2) over e deletion a oposed lease Is and great	the expect the expect lternatives offering (	and the exp ed production vs. propose mean estimate	ected number n life of th d lease offe e) Canyon de	of spills e lease are ring (mean letion alte	(mean) ar proposed estimate) rnative.
	i W	Within 3 days	1	i M	Within 10 days	s	į 18. ———————————————————————————————————	Within 30 days	S
Land	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.
Seyment	ae an	mean	aean	mean	nean	mean	กะลก	mean	mean
	50 mile	60 meter	Canyon	50 mile	60 meter	Canyon	50 mile	60 meter	Cainyon
	Proo Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean
ડેહ	0.0	0°0 u	0°0 u	0°0 u	0°0 u	0°0 u	1 0.0	1 0.0 1 0.0	1 0.0
Mote: 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.	0.5 percent? e contacts wi	; ** = great ithin 30 day	er than 99.5 s are not sh	percent. Se own.	gments with	less than 0	.5 percent p	robability	

abole 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.
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	3	Within 3 days	s k	i M	Within 10 days	1 1 1 1 1 1 1 5	i A	Within 30 days	1 1 1 1 1 1 5
Lund Se jaran t	prop. high	prop. high	prop. high	prop. high	prop. high	prop. high	prop. p	prop. high	prop. high
	Prop Mean	rob Mean Prob Mean	Prob Mean	Prob Mean	Prob Mean	rob Me	Prob Mean	Prob Mean	Prob. Mean
۲۰	n 0.J	0°0	0.0	0°0 u	0.0	0°0 u		1 0.0	
3.0	0°0	0°0 u	0°0 u	0°0	0°0 u	0.0	1 0.0	1 0.0	1 0.0
65	0°0 u	0.0 n	ں 0•0	0 <b>•</b> 0	0°0 u	0.0 n		0°0 u	
Jule: n = less than U.5 percent; ** = greater than 99.5 percent. Segments with less than U.5 percent probability of one ur more contacts within 30 days are not shown.	U.S percent?	; ** = great ithin 30 day	er than 99.5 s are not sh	percent. Se own.	gments with	less than ()	.5 percent p	robability	

Tuble 55. -- 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 leases, and imports, proposed lease offering leases offering leases, and imports. Probabilities are for spills 1,000 barrels and

i EE	0.0	00	00	00	0	-		,			٠.	_			_		_						
s prop high ex• Prob	. 21			1,4	2 5	2   	∞ <u>-</u>	•	۷ م	M	- 1	~ 4	12	7!	- 4	~	_	<b>-</b> !	<b>~</b> 1 `	٠,	. 8	٥	
30 day • imp• Mean	0.0	0.0	0.00	0.0	0.2				0.0	0.0	0.0	0.0	0	0.0	2.0	0.0	0.0	0.0	0.0	- •	.0	0.1	***
ithin 3 prop. mean ex. i	1 21	٧ م		. 4 [	15	<b>1</b> 2 ~	<b>∞</b> •	2 6	۲ د	'n	_	~ ~	12	7	17	^		-	Μ.	9 ;	. E	6	400
t s E	0.0	0.0		0.0	0.2				0.0	0.0	0.0	0.0		0.0	2.0	• •	0	0.0	0.0	0		0.1	
exist impor Prob	1 20	, m ×	·	- 7 -	15	12	. ~ ;	o 6	~ (	v 10	-	2	2 C	7	1,	۰ ٥	J	-	~	9	12	. •	
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op. qh te jap			· · ·	000	0	00	0	00	0 1	ے د	ں ،	٠.		, m		•	_		_	_			
days - pr hi . ex	C -	- 0 (	000	<b>.</b>	- <b>-</b>			<b>-</b> -	0	0 0	0	0	0 +	- 0	-	0 (	ء د ع		0	-	<u>-</u> .		
10. n. imp	0		 0	0 0	50	0			, _		_	_		_	_								
Within prol mean ex.	•	-			-								•										
st. orts b Mea	0	0	2 0.0 0.0	0 0	<u> </u>				, ,					_	_	_							
I A G	- (	1	~ [	E 1%	~ ~		, <b>.</b>	,~ 0			•	•	•	=	. •								
3	0.0	0.0	0.0	0.0	0.0		0.0	0.0	.0.0	0.0	000	0.0	0.0		0.0	0.0	0.0	0.0			0.0	0.0	
prop. high ex. i	C	~ =	<b></b> C	с с	۷ د	10	۲ م	Μ,	۰ -	-	- (	= -	2	9 (	u <b>m</b>	2	-	c	c ~	۸ ۲	· <del></del>	m ~	
days mp. Mean	0.0	0.0	0.0	0.0	0.0		0.0	0.0	-00	0.0	0.0		0.0	1.0		0.0	0.0	0.0			0.0	000	
. d . d			- c																				
- Jit s ean	٥.	ت. ت	200	0.0	2		) C				0.0	0 0	0.0	1.1	)   	0.0	0.0	0.0	0.0	) 	o o o	0.0	,
xist. mport	٥	00	:- 0	C	· • ·					_				_									
1 ⊅																							
Land Sejment	~	<b>~</b> ~	1.0.1	o <b>~</b> ^	o ~	). 	12	7 -	15	1 - 1	ر د	21	2 S	, , , , , , , , , , , , , , , , , , ,	22	0 C	5.0	32	34	35	36 .7	. M.	۲,0

Note: n = less than J.5 percent; \*\* = greater than 99.5 percent. Segments with less than O.5 percent probability of one or more contacts within 30 days are not shown.

	18	Within 3 days	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 M Mi	Within 10 days	S	17.	Within 30 days	S
Lund Seyment	prop.	prop. prop. mean ne. Y.	prop.	prop. mean	prop. mean	prop. high N. Y.	prop. nean	prop. mean	prop. high N. Y.
	Prop Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean		Prob Mean
25	ი•ი ს	0°0 u	0°0 u	0°0	0°0 u	0°0	0°0 u	0°0 u	1 0.0
53	0.0 r	0°0 u	0°0 u	0 <b>•</b> 0	0°0	n 0.0	1 0.0	1 0.0	1 0.0
(;)	0.0 n	0°0 u	0 <b>•</b> 0	0 <b>.</b> 0	0°0	ں 0 د	0.0	0°0	1 0.0

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 (high estimate) vs. existing leases and imports. Probabilities are for spills 10,000 barrels and greater.

Land	rop.	ř.	1 0	Wi	th in pro	S S exis	prop.	÷ 5	s exist
Segment	ae e	high	imports	near	high	imports	near	high	imports
	Prob Mean	Prob Mean	Prob Mean	Prob Mean	Prob Mean				
٣.	0	0	•	0	0	0		0	0
7	0	0	•	0	0	1 0.0	•	0	0
٠,	0	0		0	0	0		0	•
~	•	•	•			0	o	•	0
80	<u>.</u>	·	•	•	•	0	•	0	0
6	<u>.</u>	0	•	•	Ö	0.0	•	0	0
10	o	•	0	<u>.</u>	ċ	0	0	0	0
11	•	ċ	0	•	ċ	0	•	o	·
12	•	•	0	0	•	0	0	•	Ö
13	o	•	0	ċ	ċ	0	•	•	•
14	Ċ	•	•	•	•	0	o.	Ö	•
15	<b>.</b>	0	0	0	0	0	0	0	Ö
16	<u>.</u>	•	0	•	Ö	0	0	ċ	0
12	0	0	o	ċ	•	0	•	o	•
18	o	0	•	0	0	0	0	o	Ö
24	ċ	o	•	<u>.</u>	•	0	•	•	ċ
25	ຕໍ່	0	•	Ö	0	0	•	•	0
56	ċ	0	0	o	0	0	0	o	o
27	•	•		·	·	0	0	o	•
28	o	•	o	0	•	0	o	o	o.
. 62	Ö	0	0	•	o	0		o.	o.
30	<u>.</u>	0	0	ċ	o	0	•	0	0
32	ċ	0	•	o	•	0	0	•	Ö
35	ċ	0	•	•	o	0	•	•	ċ
36	•	0	o	0	0	0	ö	<u>.</u>	0
37	•	0	ċ	0	•	0		<u>.</u>	0
38	0.0	0°0 u	2 0.0	0.0	0°0 u	0.0	0	0.0	10 0.1
ć.	•	•	•	•	•	>	•	•	>
•	1		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.	percent chance) of one ormore spills, and the expected number of spills (mean) land segments (set 2) over the expected production life of the lease area, proposed nate) fifty mile deletion alternative, vs. proposed lease offering (mean estimate) trative, vs. proposed lease offering (mean estimate).
---	---

	Within 3 day	thin 3 days	S X	i M	Within 10 days	S	M	Within 30 days	S
	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.
Segment	2692	mean	mean	mean	Bean	mean	mean	mean	mean
	50 mile	50 mile 60 meter	Canyon	50 mile	50 mile 60 meter Canyon	Canyon	50 mile	50 mile 60 meter Canyon	Canyon
	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.

	7	Within 3 days		. A	Within 10 days		· A	Within 30 days	
Land	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.
Segment	high	high	high	high	high	high	high	high	high
ı	50 mile	60 met	Canyon	50 mile	60 meter	Canyon	50 mile	60 meter	Canyon
	Prob Mean	Prob M	lean Prob Mean	Prob Mean	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.

)

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 leases, and imports, spills 10,000 barrels and Table 40. -- Probabilities (expressed as percent chance) of one ormore spills, and the expected number of spills (mean)

-	-	Within 3 days		3	ithin 10 days	·	!	Within 30 days	s/
Land	×	prop.	prop.	exist.	prop.	_	exist.	prop.	prop.
Segment	imports	ean	high	a	ean		imports	ē	gh
			ex. imp.		g x	E		ex. imp.	e,x. imp.
	Prob Mean	Prob Mean	rob Me	Prob Mean	Prob Mean		Prob Mean	o Qo V	Σ Qo
M	•	•		7 0.1	•	7 0.1	•	0	
7	0	0		1 0.0		1 0.0		0	0
2	•			1 0.0		1 0.0		2 0.0	
2	<b>.</b>	0	•	•	•	0	•	0	•
80	0	·		<u>.</u>	•	0	•	0	0
6	ċ	•	•	o	•	0	0	0	ċ
10	<u>.</u>		•	0	•	0		0	o
11	•	•	•	0	•	0	0	0	ċ
12	•	0	•	0	0	0	0	0	•
13	o	•	•	•	•	0			•
14	•	0	•	0	0	0	0	0	0
15	ċ	0	0	0	0	0	0	5 0.1	•
16	•	•	0	•	0	0	0	•	0
17	•	•	•	<u>.</u>	0	0		<u>.</u>	ċ
18	•	0	•	0	0	0	0	0	0
54	ċ	•	0	0	0	0	0	Ö	•
25	•	•	•	Ö	0	0	o	ċ	<u>.</u>
26	ċ	•	o	Ö	ċ	0	ċ	0	·
27	•	ċ		ċ	•	0	~	2 0.0	2 0.
28	•	•	<u>.</u>	•	ċ	0	•	ċ	Ö
56	Ö	0	•	ċ	•	0		•	•
30	o.	Ö	•	•	•	°.	•	0	•
32	•	0	0	Ö	ċ	0	o	ċ	ċ
35	<u>.</u>	•	•	ċ	•	0	•	•	0
36	Ö	•	•	•	•	0	<u>.</u>	•	ċ
37	·	0	0	0	•	0	0	0	•
38	2 0.0	2 0.0	2 0.0	0.0 4	0.0 7	0.0 4	10 0.1	10 0.1	11 0.1
39	Ċ	0	0	0	•	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 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 (high estimate) New York deletion alternative, vs. proposed lease offering (high estimate) New York deletion alternative. Probabilities are for spills 10,000 barrels and greater.

		Within 3 days	ays	3	Within 10 days		i 3	Within 30 days	S
Land	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.	prop.
Segment	mean	Bean	high	mean	mean	high	Bean	mean	high
	`	× ×	N. ≺		× ×	× .×		× .×	× ×
	Prob Mean	Prob M	ean Prob Mean Prob Mean Prob Mean	Prob Mean	Prob Mean	Prob Mean	in 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.

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Appendix A

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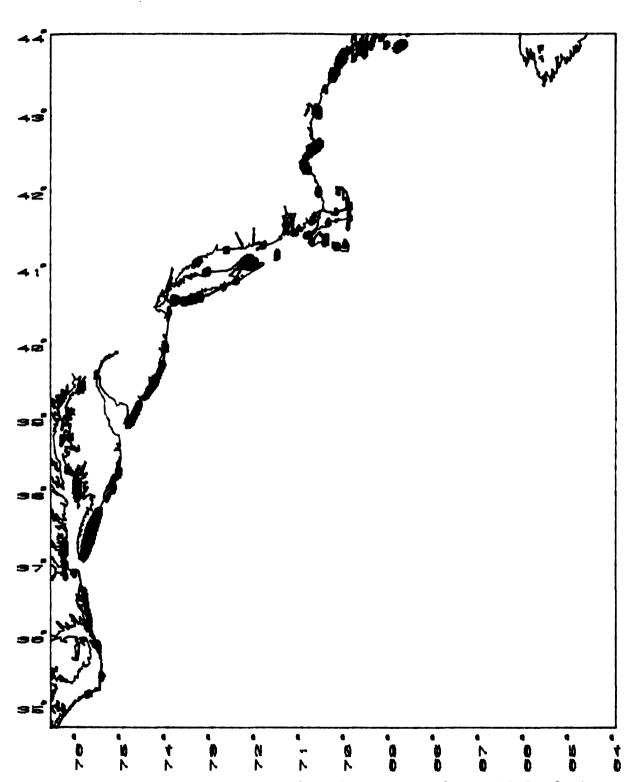


Figure A-1. -- Map showing the location of coastal waterbird colonies; crosshatching indicates areal extent.

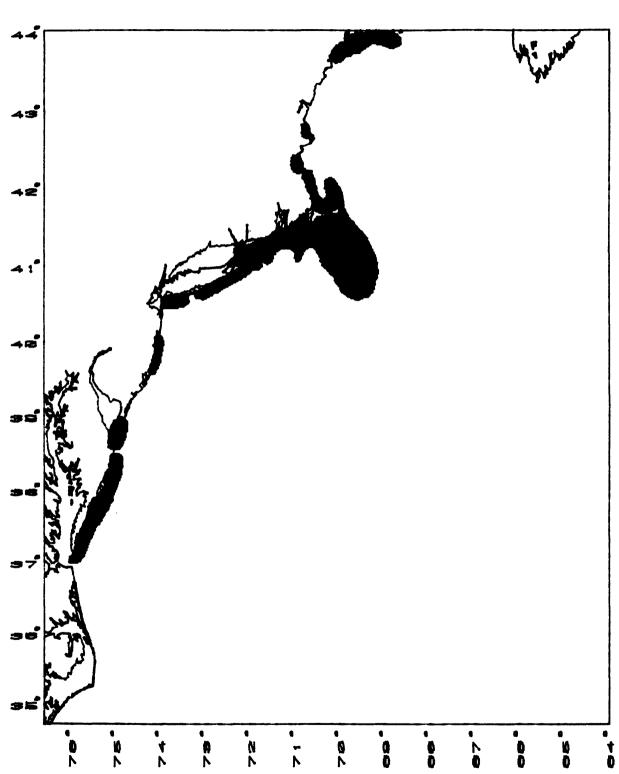


Figure A-2. -- Map showing the location of sea duck wintering areas; crosshatching indicates areal extent.

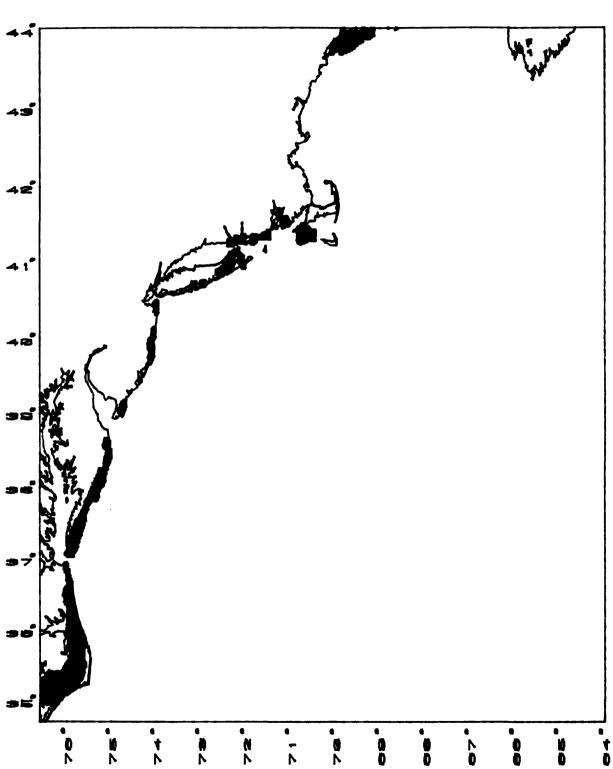


Figure A-3. -- Map showing the location of osprey nesting areas; crosshatching indicates areal extent.

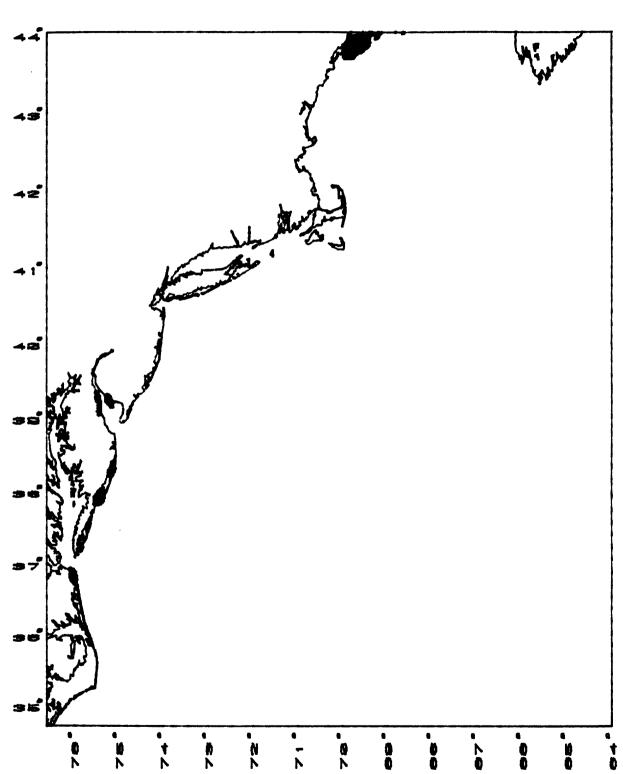


Figure A-4. -- Map showing the location of Bald Eagle nesting areas; crosshatching indicates areal extent.

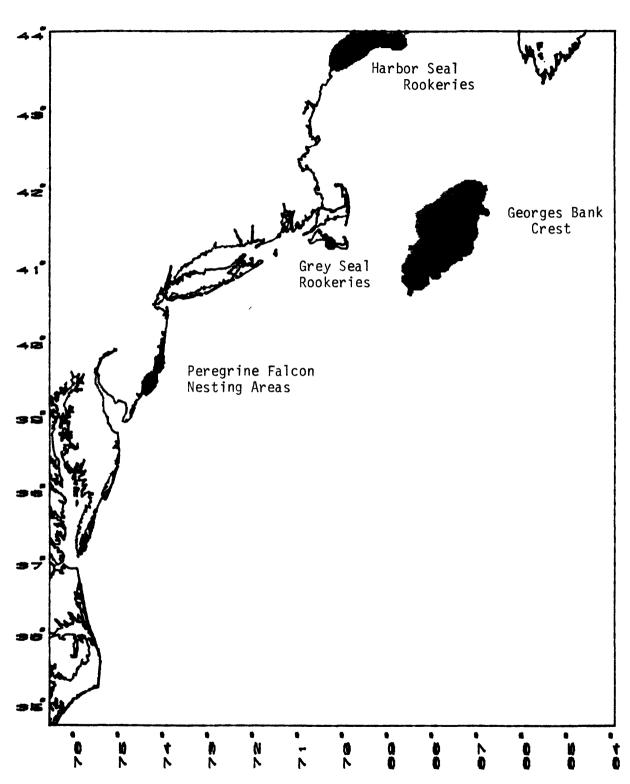


Figure A-5. -- Map showing the locations of four targets; crosshatching indicates areal extent.

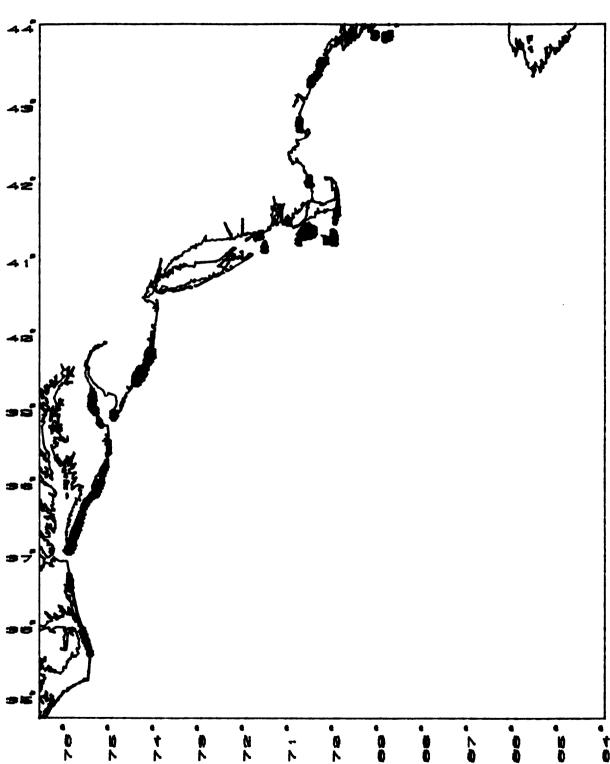


Figure A-6. -- Map showing the locations of Peregrine Falcon migratory stopover areas; crosshatching indicates areal extent.

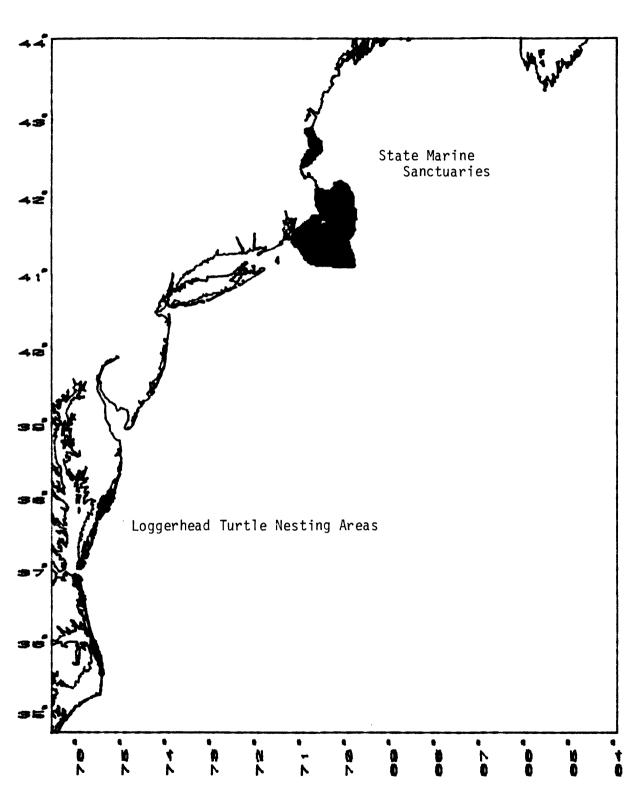


Figure A-7. -- Map showing the location of two targets; crosshatching indicates areal extent.

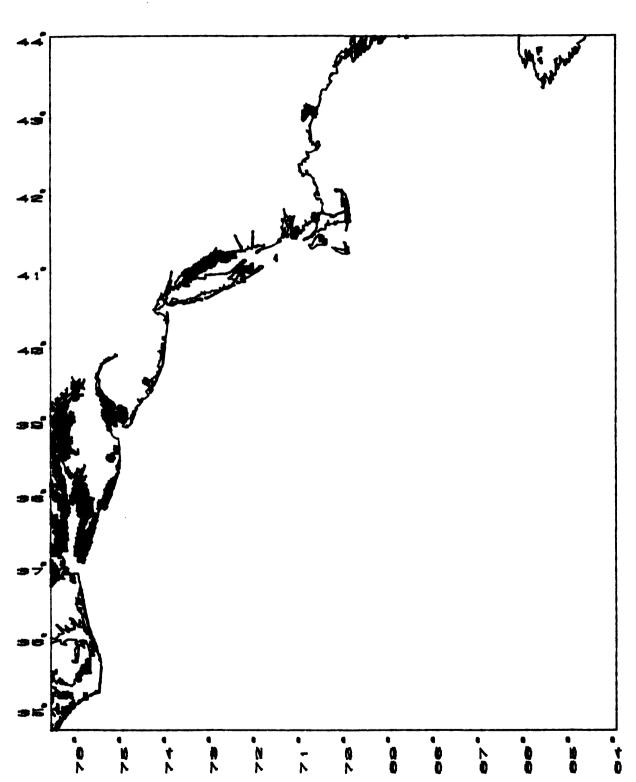


Figure A-8. -- Map showing the locations of oyster grounds; crosshatching indicates areal extent.

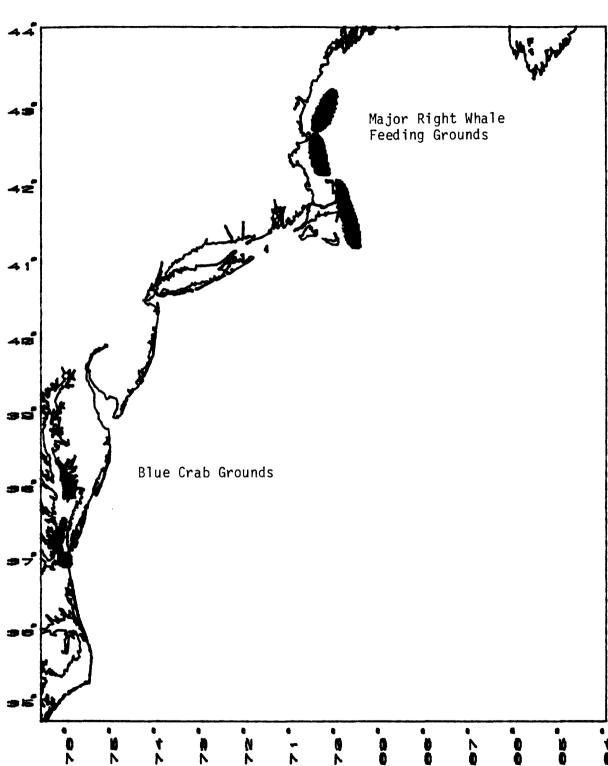


Figure A-9. -- Map showing the locations of two targets; crosshatching indicates areal extent.

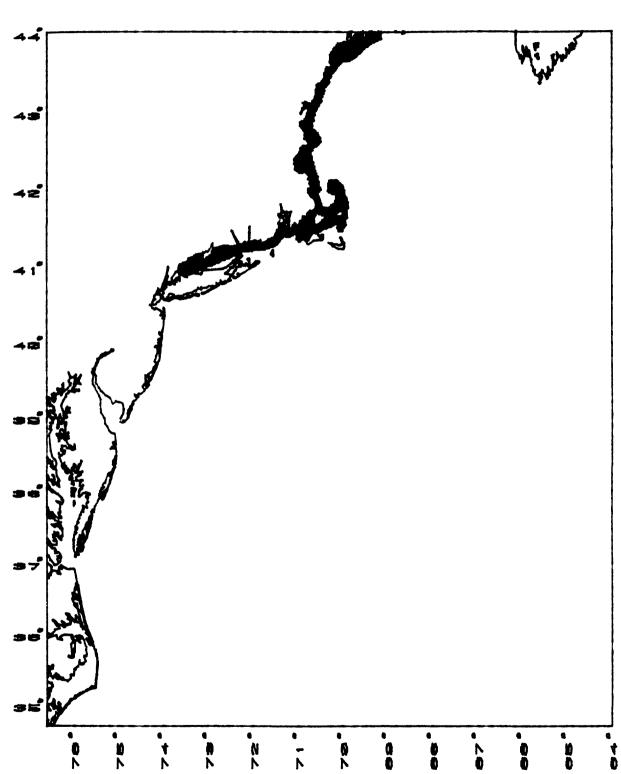


Figure A-10. -- Map showing the locations of inshore lobster grounds; crosshatching indicates areal extent.

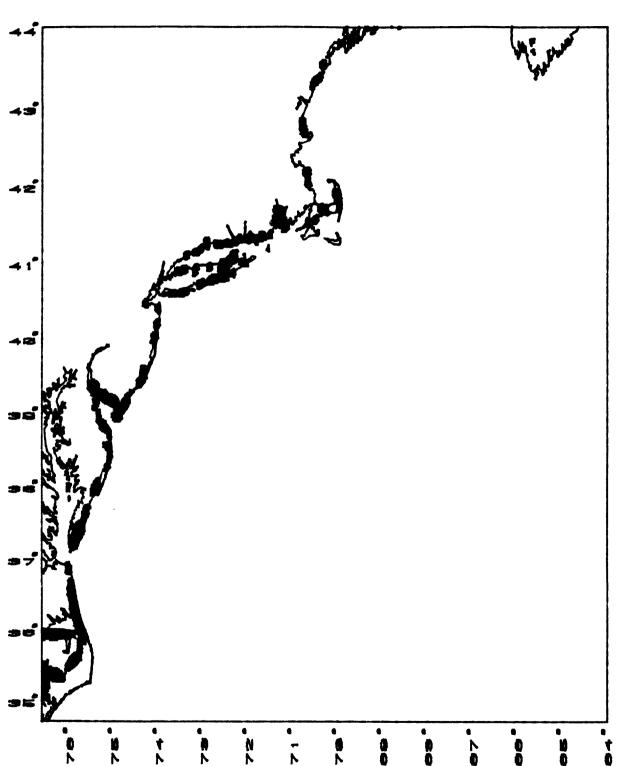


Figure A-11. - Map showing the locations of coastal marshes; crosshatching indicates areal extent.

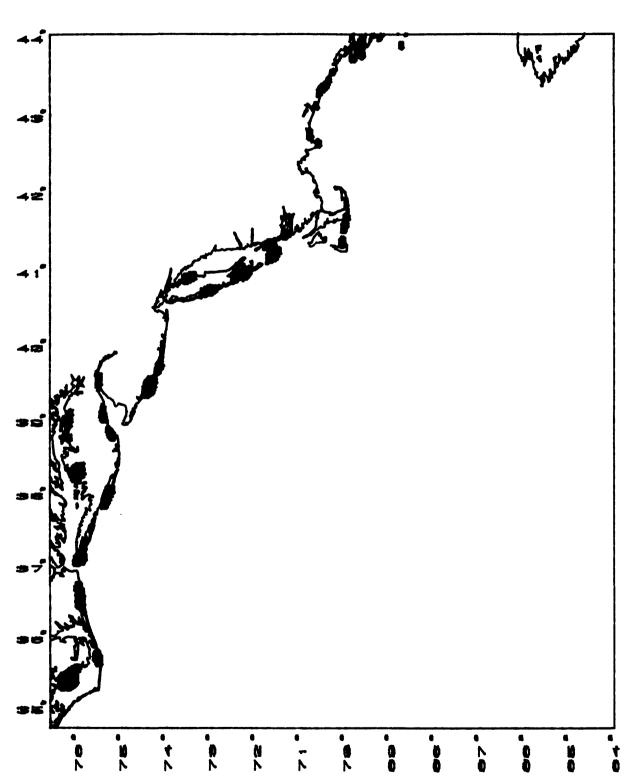


Figure A-12. -- Map showing the locations of National wildlife refuges; crosshatching indicates areal extent.

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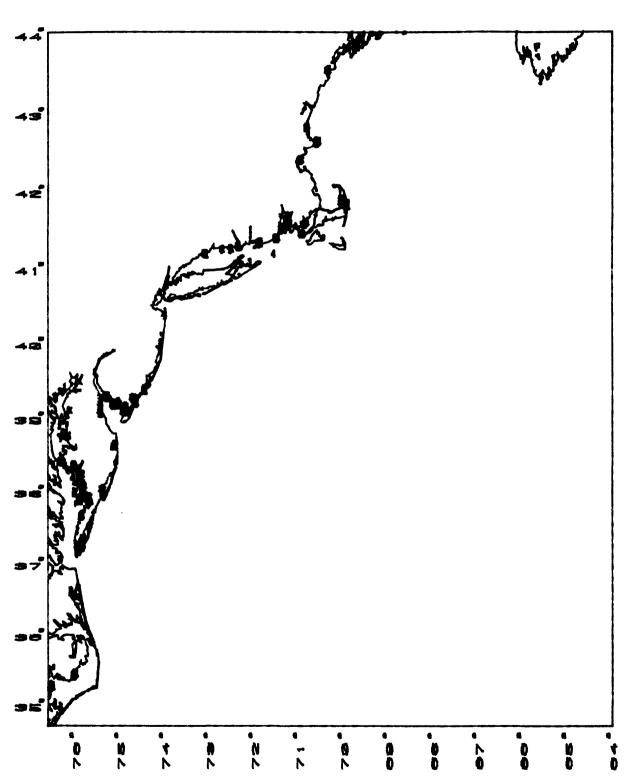


Figure A-13. -- Map showing the locations of State wildlife and natural areas; crosshatching indicates areal extent.

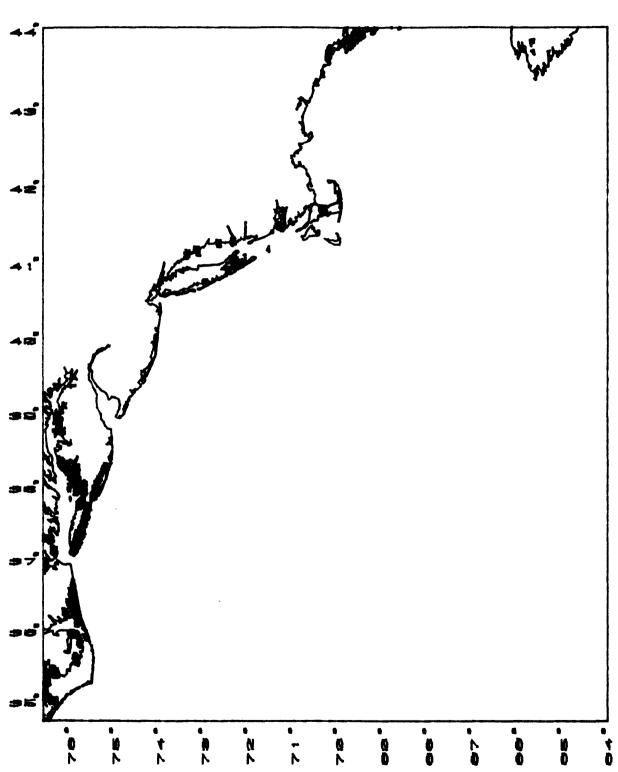


Figure A-14. -- Map showing the locations of nongovernment wildlife and natural areas; crosshatching indicates areal extent.

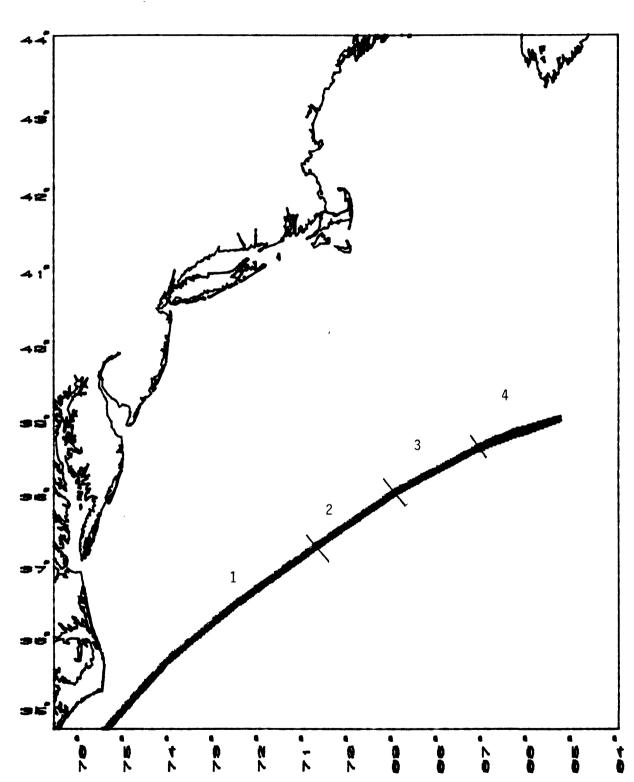


Figure A-15. -- Map showing the locations of Gulf Stream boundary segments (numbered 1-4).

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

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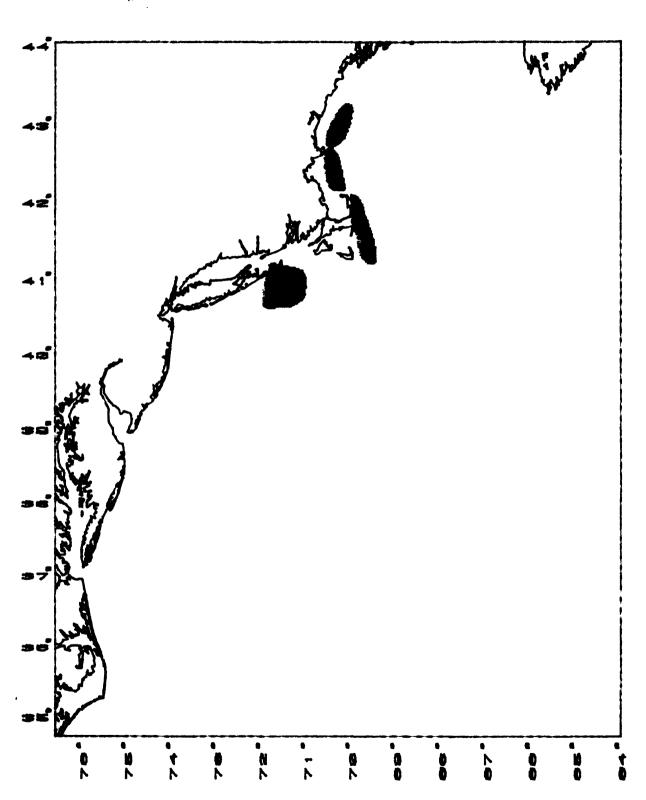


Figure A-17. -- Map showing the locations of Major Humpback and Fin whale feeding grounds; crosshatching indicates areal extent.

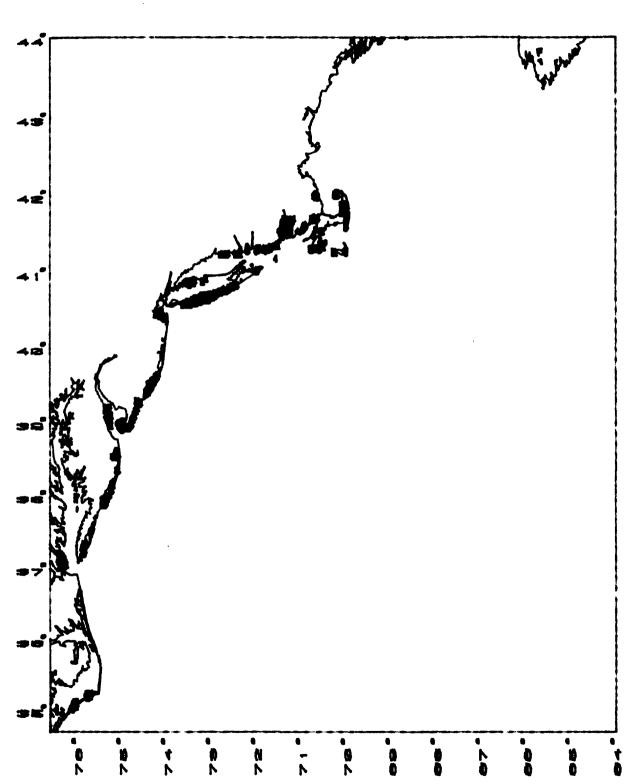


Figure A-18. -- Map showing locations of hard clam grounds; crosshatching indicates areal extent.

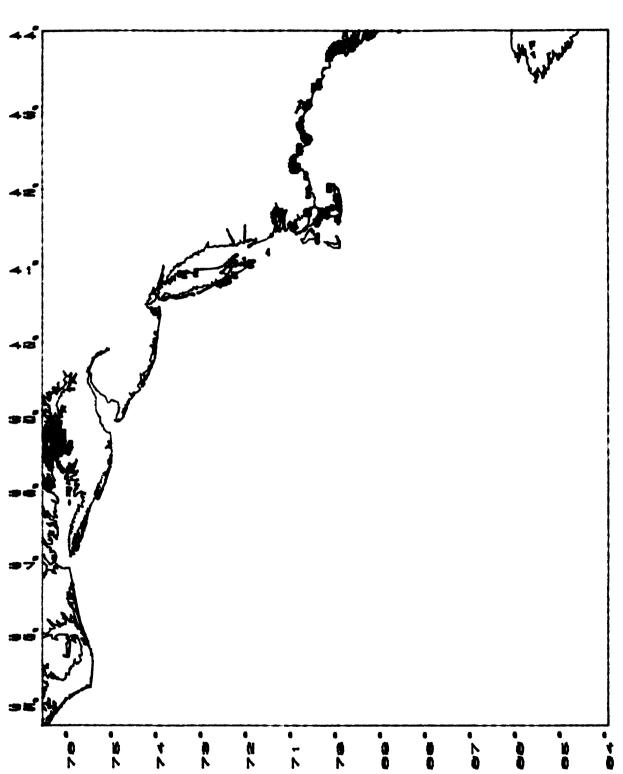


Figure A-19. -- Map showing locations of soft clam grounds; crosshatching indicates areal extent.

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			7	P 2	P 3	P 4	P 5	P 6	нур. Р?	othet P8	ical P9	Hypothetical Spill P7 P8 P9 P10 P11		Location P12 P13	n 3 P14	4 P15	P16	P17	P18	P19 F	P20 F	P21 P	P22 P	P23 P2	P24 P2
Stellwyn.	o a n k	(JFM)	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Nantucket	Shl.	(JFM)	æ	4	c	c	c	c	c	c	c	c	c	с С		c	c	c	c	c	c	c	c	c	c
SE Georg.	a cok	(JFM)	c	-	c	9	15	16	21	c	c	c	_	1 20	6	13	7	7	7	7	~	_	~	~	2
Stellwyn.	dank	(AMJ)	د	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c		ر د د	c
Nantucket	Shl.	(AMJ)	ᠵ	S	_	c	c	c	c	_	c	c	۲			c	c	c	c	c	c	c	c		c
SE Geory.	dānk	(LMA)	c	c	c	2	12	11	18	c	c	c	_	4 22	12	16	2	М	7	9	c	c	c	_	2
Stellwgn.	dank	(JAS)	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c		c
Nantucket	Shl.	(JAS)	ъ	2	-	C	c	c	c	c	c	c	ے	c	c -	c	c	c	c	c	c	c	c	c	c
SE Georg.	dank		c	c	c	-	6	10	22	c	c	c	c	2 19		13	5	>	_	~	c	c	c	c c	c
Stellwyn.			c	c	c	۵	c	۲	c	c	c	c	ے	c	c	_	c	c	c	c	c	c	c	۔ د	c
Nantucket		(NOG)	9	~	c	c	c	c	c	c	د	c	c	c.		c	c	c	c	c	c	c			c -
SE Georg.	dank	(NOQ)	c	-	c	4	14	17	56	c	c	c	ے	1 21		12	2	~	~	4	~	<b></b>	2	2 3	

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									Hypothe	thet	ical	Spi	ill Location	ocat	0.0							
			ΡZο	P 2 7	РΖВ	P29	P 30	P31	P 32	P33	7		P36	P37 1	38 1	6	9 07d	P41 P	45 P	43 P	P44 F	5 7 0
Stellwyn. Bank	dank	(JFM)	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Nantucket	Shl.	(JFM)	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c		c	c	c
SE Georg.	dank	(JFM)	c	c	c	c	3	13	<b>9</b> ?	22	22	16	c	c	c	c	<b>,-</b>	_		2	~	c
Stellwyn.	uank	(FWF)	c	c	c	۲	c	c	c	c	c	c	c	c	c	c	c	c		c	c	c
Nantucket	Shl.	(LMA)	Ξ	c	c	c	c	c	c	c	c	د	c	c	c	c	c	c	c	c	c	c
SE beory, t	Bank	(7W7)	c	c	c	c	~	16	54	54	25	17	c	c	c	c	2	~	7	~	~	c
Stellwyn.	bank k	(JAS)	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Nantucket	Shl.	(JAS)	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
SE Georg.	Bank	(JAS)	c	c	c	c	~	16	2.2	56	21	12	c	c	c	c	<del></del>	2	7	9	_	c
Stellwgn.	dank	(NO0)	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c
Nantucket	shi.	(NOG)	ε	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>
SE Geora.	dank	(NOO)	c	c	c	c	2	15	5 2	21	5.5	15	c	c	c	c	_	<b>,</b> -	2	7	_	c

Table 8-2. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Jaryet									Hypc	Hypothetical	ical			Location	c											
			P 1	ΡZ	P 3	Ь <b>д</b>	P 5	P 6	Ь7	o ∞	9 d	P10	_	P12 P1	P13 P14	4 P15	5 P16	P17	P18	P19	P20	P21	P 2 2	P23	P24 F	P 2 5
Stellagn.	Bank	(JFM)	c	c	c	c	c	c	c	c	c						c	c	c	c	c	c	c	c	c	c
Nantucket	Shl.	(JFM)	7	\$	-	c	c	c	c	c	c	c					C	c	c	c	-	c		c	c	c
St Georg.	Bank	(JFR)	4	20	c	13	50	25	23	c	c		c	2 21		15	12	9	9	9	15	15	-	10	10	2
Stellagn.	bank	(LAA)	c	c	c	c	c	c	c	c	c						c	c	c	c	c	c		·′c	c	c
Nantucket	Shl.	(PW)	1,	>	7	c	c	c	c	c	c				c		c	c	c	c	2	c		ç	c	c
SE Georg.		(AMJ)	-	4	<b>-</b>	6	17	18	2.5	c	c	c					12	7	7	10	~	2		ó	4	2
Stellagn.	dank	(JAS)	c	c	c	c	c	c	c	c	c						c	د	c	c	c	c		c	c	c
Nantucket	sht.	(145)	13	4	~	c	c	c	c	c	c						C	c	c	c	-	c		c	c	c
SE George	aank	(JAS)	c	~	c	7	13	15	9 ?	c	c	c	9	8 20			12	4	~	2	~	4		c	<b>,-</b>	<b>,-</b>
Stellagn.	dank	(NO0)	c	c	c	c	c	c	c	c	c						c	c	c	c	c	c				c
	Shl.	(NO0)	11	2	-	c	c	-	c	c	c				د		۲	c	c	c	2	c	c	c	c	c
	dank	(NO0)	7	~	-	1.5	70	52	62	c	c						∞	4	4	2	15	13	2			4

Table 6-2. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target									Hypothet		ical	Spi	Spill Loca	cat	tion							
			PZO	/ 2 d	P 2 8	P 2 9	P 30	P 31	P 3 2		P34	P35	P36 F	P37 F		P39 F	P40 F	P41 F	P42 F	P43	4	P45
Stellwyn.	<b>Bank</b>	(JFM)	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Nantucket		(JFM)	c	c	c	-	c	c	<b>c</b>	c	c	c	c	c	c	c	c	c	c	c	c	c
SE Georg.	Bank	(JFM)	c	c	_	8	6	16	9 <del>2</del>	23	23	18	c	_	c	_	2	~	5	7	4	_
Stellagn.	dank	(TWA)	c	c	c	c	<b>c</b>	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c	c	c	c
Nantucket	Shl.	(AMJ)	c	c	2	2	<del></del>	<b>C</b>	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c	c
SE beory.	dank	(AMJ)	c	c		4	6	21	5 5	22	23	2.0	c	c	c	~	5	×0	· ~	_	4	<del>-</del>
Stellwin.	Bank	(JAS)	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c	c	c	c	c	c
Nantucket	Snl.	(JAS)	-	c	c	-	<b>c</b>	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
SE Georg. t	Bank	(JAS)	<b>c</b>	c	-	~	6	21	8 2	59	25	13	c	c	c	-	2	7	2	0	~	c
Stellwyn.	dank	(DON)	<b>c</b>	c	c	<b>c</b>	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c
Nantucket	shl.	(DOO)	<b>c</b>	c	-	-	c	c	c	c	c	c	<b>c</b>	<b>c</b>	c	<b>c</b>	c	<b>c</b>	c	c	c	c
SE Georg.	ßa∩ k	(NO3)	c	ς.	-	4	7	8	5 2	23	56	16	c	c	c	c	<b></b>	~	4	9	2	-

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Table 0-3. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Tarjet								Hypu	othel	tical		آ ا	Locati	u o											
		7	ЬS	P2 P3	ь <b>с</b>	P 5	Pó	Ь7	P7 P8	6 d	P10	P11	P12 F	P13 P	P14 P	P15 P	P16 P17	7 P18	8 P19	9 P20	0 P21	P 2 2	P23	P 2 4	P 2 5
Stellagn. da	Jank (JFM)	c	c	c	c	c	c	c	c												c	c	c	c	c
Nantucket Sh	Shl. (JFM)	7	၁	-	c	c	-	c	c												c	c	c	c	c
SE Geory. dank		0	12	~	23	23	23	54	c	c	c	-	7	21 1	12 1	16 13	3 7	۷	9	18	19	17	12	7	9
Stellwyn. da	Hank (AMJ)	c	c	c	c	c	c	c	c												c	_	'n	c	<b>c</b>
	Shl. (AMJ)	17	-	S	-	c	-	-	-												2	<b>,-</b>	÷	c	<b>c</b>
		5	J.	~	15		21	2.5	c												13	11	-	10	7
		c	c	c	c	c	c	c	c												c	c	c	c	c
		16	7	o	c	c	-	c	~												_	c	<b>C</b>	<b>C</b>	_
	Jank (JAS)	~	2	~	=	14	1.8	2 8	-												7	m	<b>-</b>	~	-
	dank (DON)	C	c	c	c	c	c	c	c		c										<b>C</b>	_	<b>c</b>	c	c
Nantucket Sh	3h(. (DON)	12		~	c	c	-	Ξ	c		c	c	c								_	c	c	c	c
SE beorg. Jank	nk (00N)	5	14	4	25	21	59	3.0	c		c										19	14	9	œ	9

Table u-3. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Taryet									Hype	other	ica	l Spi		Locat	tion							
)			P20	727	PZB	<b>6</b> 2d	P30	P31	P32	P33	P34	P32 P33 P34 P35 P36	P36		P 3 8	P39	P 4 0	P41	P 42	P43	7 7 d	P 4 5
Stellagn.	dank	(JFM)	c	c	c	c	c	c	c	c	c	c	c	c	c	د	c	c	c	c	c	c
Nantucket		(JEM)	c	c	-	-	-	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
SE Georg.	bank	(JFH)	c	Ξ	-	S	10	16	97	23	23	19	c	c	c	c	~	2	9	∞	5	7
Stellwyn.	d d A	(AMJ)	c	c	c	c	c	c	c	c	c	c	د	c	c	c	c	c	c	c	c	c
Nantucket	Sht.	(AMJ)	~	2	4	5	7	~	-	-	-	c	c	c	د	د	د	د	c	c	c	c
SE Georg.	Bank	(LMA)	c	7	S	11	10	92	59	58	5.2	22	c	c	-	4	0	12	6	14	9	~
stellwyn.	Bank	(JAS)	c	د	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
dantucket	sht.	(JAS)	Ś	~	. 3	~	<del>-</del>	c	c	c	c	c	-	-	c	د	c	c	c	c	c	c
SE Georg.	dank	(JAS)	-	-	7	7	15	5 2	3.0	30	23	15	c	-	_	4	2	٥	6	10	~:	c
stellwyn.	Bank	(NOO)	c	c	c	c	c	د	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Nantucket	Shl	(NO0)	-	-	2	2	c	c	c	د	c	c	c	c	c	د	c	د	c	c	c	c
SE Georg.	a an K	(NOQ)	_	c	~	۷	∞	19	2.2	5 2	2.2	17	c	c	c	c	2	~	S	7	^	_

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Table 0-4. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Taryet	£1	£ 2	ë 3	£ 4	E 5	E 6	Нурс Е 7	Hypothetical E7 E8 E9	tical E9	Spill    E10  E11	11 L	Location E12 E13		E14 E	E15 E	E16 E'	E17 E1	E18 E1	E19 E20	0 E21	1 622	2 E23	5 E24	E 2 5
Stellwin. dank (JFM)	д).	c	c	c	c	c	c	c	c	c	c	c	c	c	c		c	c -		c	· c	c	c	c
Mantucket Shl. (JFM)	æ	<b>C</b>	c	c	c	c	c	c	c	c	c	c	c	c	c		c		c		c	c	c	c
SE Geory. Bank (JF)	m)	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	1 23				23	54	52
Stellagn, dank (AMJ)	د (۲	c	<b>C</b>	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c							<u>`</u> c	c	c
	د (۲	c	c	c	c	c	c	c	c	c	c	c	c	c								Ç	c	c
Bank	د (۲	c	c	c	c	c	c	c	c	c	c	c	c	c	c		ر د		52	30	56	92	58	56
dank	S) n	c	c	c	c	c	c	c	c	c	c	c	c	c	c							c	c	c
shl.	v (S	c	c	c	c	c	c	c	c	c	c	c	c	c								c	c	c
SE Georg, dank (JA)	S) n	c	c	c	c	c	c	c	c	c	۲.	c	c	c	c		ر د					28	54	5.4
Stellwyn, Bank (DON)	c (N	c	c	c	c	c	c	c	c	c	c	c	c	c	c					_	c	c	c	c
Nantucket Shl. (DON)	2	c	c	c	c	c	c	c	c	c	c	c	c	c			c					c	c	c
St Georg, dank (DON)	c (8	c	c	c	c	c	c	c	c	c	c	c	c	c	c	- c	c	92 1	, 24	27	56	56	56	27

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.

Taryet		14	3	: 22	F26 F27 F28 S1		S	~~	1ypot	Hypothetical Spi S4 S5 S6 S7	cal	Spill	) () ()	atio	Location	512	513	217	515	516	517	518 5	\$ 19.5	\$ 028	521 5	S 2 2
		J	)		1				,	,	,		,	,	,			;								)
Stellwyn, de	dank (JFM)	£	_	c	c	c	c	<b>c</b>	c	c	c	c	c	c	c	c	_	c	c	c	c	c	c	c	c	_
Nantucket Sh	Shi. (JFM)	æ	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
			22 3	22	~	c	c	c	c		c	c	c	د	c	c	c	c	c	c	c	c	c		c	c
	dank (AMJ)	î	c	c	c	c	c	c	c	c	c	c	c	c c		c	c	c	c	c	c	c	c		c	c
Nantucket St	Shl. (AM	<u></u>	c	c	c	c	c	c	c		c	_	_	c		c	c	c	c	c	c	c	c	_	c	c
SE Georg. us	uank (AMJ)		? 27	21	v	c	c	c	c		c	_	c	c		c	c	c	c	c	c	c	c		c	c
Stellwyn, da	ank (JA		c	c	c	c	c	c	c		_	_	c	ر د	c	c	_	c	c	c	c	<b>c</b>	c	c	c	c
	Shl. (JA	S)	_	c	c	c	_	c	c			c	c	c		c	c	c	c	c	c	c	c	_	c	_
			27 2	21	4	c	c	c	c	c	c	c	c	c	c	_	c	c	c	c	c	c	c	c	c	c
Stellwyn, dâ	dank (00N)	ŝ	c	د	c	c	c	c	c	c	_	c	c	c		c	c	c	c	c	c	c	c	c	c	c
Nantucket 31	sht. (DON)			c	c	c	c	c	c	c	c	c	c	c		c	c	c	c	c	c	c	c		c	c
SE Geory, Ba	Bank (00N)		20 1	19	9	c	c	_	c	c.	c	c	с с	c	c	c	c	c	c	c	c	c	c	c	c	c

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.

farget					Hypothetical Spill Location
			528	524	
Stellwyn.	dank		c	c	
Nantucket	shl.	(JFM)	<b>c</b>	c	
SE beorg.			c	c	-
Stellagn.	tian k		c	c	
Nantucket	Shl		c	c	
SE Ceorg.	<b>Hank</b>		c	c	
Stellwyn.	bank		c	c	
Nantucket	Shl.	(JAS)	c	c	
SE Georg.			c	c	
Stellwyn.	Bank	(DOM)	c	c	
Vantucket	shl.	(NOG)	c	c	
St George	70.00	(1007)	c	c	

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Table u-5. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

E24 E25			25 26						25 25			56 29
E23	c	c	54	, c	€	92	c	c	59	c	c	28
E22	c	c	22	c	c	22	c	c	25	c	c	92
E21	c	c	54	c	-	31	c	c	25	c	c	<b>58</b>
. 20	c	c	22	c	c	56	c	c	92	c	c	52
E19	c	c	54	c	_	22	c	c	8 2	c	c	28
E18	c	c	c	c	c	c	c	c	c	c	c	c
E17	c	c	c	c	c	c	c	c	c	c	c	c
E16	c	c	c	c	c	c	c	c	c	c	c	c
E15	c	c	c	c	c	c	c	c	c	c	c	c
E14	c	c	c	c	c	c	c	c	c	c	c	c
tion E13	c	c	c	c	c	c	c	<del></del>	c	c	-	c
Location E12 E13	c	c	c	c	c	c	c	c	c	c	c	c
i i i i E 1 1	c	c	c	c	c	c	c	c	c	c	c	c
L Spi	c	c	c	c	c	c	c	c	c	c	c	c
Hypothetical E7 E8 E9	c	-	c	c	c	c	c	-	c	c	c	c
othe E8	c	c	c	c	c	c	c	c	c	c	c	c
НУР Е7	c	c	c	c	c	c	c	c	c	c	c	c
E 6	c	c	c	c	c	c	c	c	c	c	c	c
E 5	c	c	c	c	c	c	c	c	c	c	c	c
E 4	c	c	c	c	c	c	c	c	c	c	c	c
E2 E3	c	C	c	c	c	c	c	c	c	c	c	c
£ 2	c	c	c	c	c	c	c	c	c	c	c	c
£ 1	c	c	c	c	c	c	c	c	c	c	c	c
	(JFM)	(JFM)			(AM)	(AMJ)	(SVC)	(JAS)	(JAS)	( DOU )	(NOO)	(NO)
	dánk	Sht.	gank	30 P	Shl.			Shl.	dank	dank	sht.	uan k
Target	Stellwgn.	Nantucket						Nantucket		Stellwyn.	Nantucket	SE Georg.

Table 6-5. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

																				•						
Taryet			£2ο	E20 E27 E28 S1	£ 2 8	s 51	\$ 2	\$3	Нур( S.4	sthet SS	ical S6	Hypothetical Spill S4 S5 S6 S7 S8	3 8! 11 FC	Location S9 S10		S11 S	\$12 \$13	3 514	4 815	\$16	\$17	818	\$19	820	\$21	S 2
Stellwyn.	d ank	(JFM)	c	c	c	c	c	c	c	c	c	c	c	c	c	_	c	c	E	c	c	c	c	c	c	c
Nantucket	shl.	(JFM)	c	c	٥	7	c	c	c	c	c	c	c	c	_	_	_	_	c	c	c	c	c	c	c	C
SE Georg.	Bank	(JFM)	2.5	22	2	c	c	c	c	c	c	c	c	c	_	c	c	_	c	c	c	c	c	c	c	C
Stellwyn.		(LMA)	c	c	c	c	_	<b>c</b>	c	c	c	c	c	د		_	<u>د</u>	_	c	c	c	_	c	c	c	C
Nantucket	Sh L.	(FWF)	c	_	c	~	_	c	c	c	_	c	c	c			c	_	c	c	c	c	c	E	c	C
SE beorg.	Bank (	(LMA)	<b>X X</b>	23	12	c	c	c	c	c	د	c	c	c				_		c	c	c	c	C	c	C
Stellwyn.	SCON	(JAS)	c	c	C	c	_	_	c	c	_	<b>c</b>	c	c			c c	c	c	c	c	c	c	c	c	c
Nantucket	sht.	(JAS)	c	c	c	2	~	c	c	c	c	c	c	c	c			<b>c</b>		c	<b>c</b>	c	c	c	c	c
SE beory.	Bank	(JAS)	28	54	10	_	c	c	c	c	c	c	c	c		_		<b>c</b>		c	c	c	c	c	c	C
stellugn.	Bank		c	c	c	c	c	c	c	٤	c	c	c	c			c	_	<b>E</b>	c	c	c	c	c	c	C
Nantucket	Shl.	(NOO)	c	۵	<b>E</b>	7	-	c	c	c	<b>c</b>	c	c	c	_	c	c	c	c	c	c	c	c	c	c	c
SE GEORY.	dank	(NO0)	2 <b>o</b>	21	0	<b>c</b>	c	<b>C</b>	c	c	c	c	c	c	_	_		<b>c</b>	c	_	c	c	c	c	c	_

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r.	8
ontinued) Probabilities (expressed as percent chance) that an oilspill starting	at a particular location will contact a certain target within 10 days.
2	10
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				שאלסוובנונקו אלחוו בסנקווסם	וו רמנשוומיי
		\$ 7 3	525 524		
Stellwyn. dank		c	c		
Nantucket shl.	(JFM)	c	c		
SE veory. Bank	(JFM)	c	c		
Stellwyn. Bank	(FWA)	c	c		
Nantucket Shl.	( FWY)	c	c		
SE Georg. Bank	(AM)	c	c		
Stellwyn. Dank		د	c	-	
Nantucket Shl.	(JAS)	c	c		
SE Georg. dank		c	c		
Stellwyn, Jank	(NCa)	c	c		
Nantucket Shl.	(NOG)	c	c		
SE beorg. Jank	(NO0)	c	c		

Table d-6. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

E25	c	c	27	c	-	30	c	<b>c</b>	27	c	<b>c</b>	30
E 2 4	c	c	52	c	<del>-</del>	33	c	<del>-</del>	27	_	<del>-</del>	27
£23	c	<b>-</b>	52	_	_	82	c	c	30	c	c	30
E 2 2	c	c	22	_	~	30	c	c	23	c	c	23
E21	c	c	54	c	M	32	_	c	25	c	c	58
E20	c	-	8.2	c	c	30	c	c	8 2	c	c	2.2
£19	c	c	52	c	7	30	c	c	62	c	c	30
E 18	c	c	c	c	c	c	c	c	c	c	c	c
E17	c	c	c	c	c	c	c	c	c	c	c	c
E16	c	c	c	c	c	c	c	c	c	c	c	c
E15	c	c	c	c	c	c	c	c	c	c	c	c
E14	c	c	c	c	c	c	c	c	c	c	c	c
ion E13	c	c	<b></b>	c	2	c	c	6	_	c	-	-
Location E12 E13	c	c	c	c	-	c	c	S	c	c	_	c
יינו ר ו בוו	c	c	c	c	c	c	c	-	c	c	c	c
Hypothetical Spi E7 E8 E9 E10	c	c	c	c	c	c	c	c	c	c	c	c
rica ( E9	c	-	<b></b>	Ξ	c	c	c	7	c	c	-	c
othe1 E8	c	c	-	c	-	c	c	c	c	c	c	c
нур( Е?	c	c	c	c	c	c	c	c	c	c	c	c
E 6	c	c	c	c	c	c	c	c	c	c	c	c
E 5	c	c	c	c	c	c	c	c	c	c	c	c
E 4	c	c	c	c	c	c	c	c	c	c	c	c
E 3	c	c	c	c	c	c	c	c	c	c	c	c
E 2	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>
E1	c	c	c	c	c	c	c	c	c	c	c	c
	(JFM)	(JFM)	(JFM)	(AMJ)	(AMJ)	(FWF)	(JAS)	(JAS)	(JAS)	(NOG)	(NOO)	(NOQ)
	Jank	shl.				dank						dank
Target	Stellwyn.	Nantucket									Nantucket	SE Georg.

Table 0-6. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

							Hypothetical Spill	thet	ical	Spi	וור	Location												
	r 2 c	£2	7 E 2,	E20 E27 E28 S1	S 2	23	24	S S	<b>S</b> 6	2 2	70 (7)	68		S11	S12 S	s 13 s	S14 S	s 15 s	S 16 S	S17 S	S18 S19	9 S20	0 521	225 1
Jank (JFM)	c	c	_	c	c	c	c	c	c	c	c	c	c	c	c	_	c	c			c			c
Shi. (JFM)	c	c	C	2	-	-	c	c	c	c	_	c	c	c	c	c	c						c	c
Bank (JFM)	5 2	22	x	~	-	-	c	c	c	c	-	c	c	c	_	c	c	c			u u			<b>c</b>
Bank (AMJ)	<b>c</b>	c	c	<b>c</b>	c	c	c	c	c	c	c	c	c	c	c	c	c							
snl. (AMJ)	-	~	c	9	~	7	<b>c</b>	<b>,</b> -	c	c	-	c	c	c	c	c	c							
	30	23	17	c	_	<b>-</b> -	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c	<u></u>	<b>د</b>	c
	c	c	_	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c	c							
Sht. (JAS)	c	C	C	6	6	∞	-	7	c	<b>,</b> -	2	c	c	c	-	c	c	c			c			
Dank (JAS)	51	92	13	<b>-</b> -	c	-	c	<b>,</b> -	c	c	c	c	c	c	c	c	c			c				
udnk (bon)	c	_	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c		c			
Shi. (DON)	c	c		~	7	<del></del>	c	<b>,</b> -	c	c	c	c	c	c	c	c	c							c
SE Georg. dank (UON)	6.7	22	10	-	<b>,</b>	c	c	<b>,</b>	c	-	,	c	c	<b>c</b>	_	_	<b>c</b>	_	c	_	9	_		_

Table 6-6. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a barticular location will contact a certain target within 30 days.

Taryet					Hypothetical	Hypothetical Spill Location
•			523	524		
Stellwyn.	dank	(JFM)	c	c		
Nantucket	Snl.	(JFM)	c	c		
SE Georg.	dank	(JFM)	c	c		
Stellagn.	<b>Bank</b>	(AM)	c	c		
Nantucket	shl.	(AM)	c	c		
SE Georg.	<b>Bank</b>	(LMA)	c	c		
Stellwyn.	dank		c	с		
Mantucket	Shl.	(JAS)	c	c		
SE Georg.	dank	(JAS)	c	c		
Stellwyn.	dank	(NOG)	c	c		
Nantucket	shl.	(NOG)	c	c		
SE Geory, dank	dank	(NOQ)	c	c		

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Table 6-7. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

- מילער									ם כ כ	בבר	9	2	,	0												,
			1	15	11 12 13 14	1.4	15	91	17	18	61	110 T	<u>-</u>	12 113	3 114	4 115	5 116	117	118	119	150	121	122	123 1	124 1	125
Stellwgn.	dank		c	c	10	19	9	c	-	17				۰	c	c		c	c	c	c	c				c
Nantucket	Shl.	(JFM)	c	c	c	c	2	c	c	2			2 6				c	c		c	c		20 1	18	2 2	23
SE Geory.	Bank	(JFM)	c	c	c	c	c	c	c	c	c		د	<u>د</u>	13	54		7	c	c	د	01				c
Stellayn.	3 C B D	(AMJ)	c	c	ъ	21	5	c	c	21			c					c		c	c					_
	Shl.	(LMA)	c	c	c	c	2	c	د	-		•						c	c	c	c	c				<b>3</b>
	dank	(AMJ)	c	c	c	c	c	c	c	د	c	c	c	د	1		7	œ		c	c					c
	Bank	(JAS)	c	c	0	23	5	c	c	21								c	د	¢	c	د				c
	Shl.	(JAS)	c	c	C	<b>c</b>	-	c	c	c		•						c		c	c					0
		(JAS)	د	c	c	c	c	Ξ	c	c	c							œ		د	c					_
Stellwin.		(NOU)	c	c	\$	21	œ	c	c	5.0			c					c		c	c					c
Nantucket	Shl.	(NOQ)	c	c	c	c	-	c	<b>,-</b>	2			1 6				c	c		c	c	` _	. 81	16		~
St beory.	dank	(NO0)	c	c	c	c	c	c	c	c	c	c	_					∞	c	c	c					c

Table 6-7. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Tarjet			120	620 127 128	128	123	130	131	нуро т32	thet T33	Hypothetical Spill L T32 T33 T34 T35 T36	Spil 35 I	1 LO	Location 5 T37 T38	ion T38 T39	0 1 4 0	0 141	1 142	143	144	145	146	147	148	671
Stellagn.	Bank	(JFM)	c	c	s	c	c	c	c	c	c	c	c	c	c c	c	c	c	c	c	c	c	c	c	c
Nantucket	Shl.	(JFM)	~	9	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	-	c	c	c
SE beorg.	<b>Bank</b>		-	c	-	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>-</b>	c	c	c
Stellwyn.		(AMJ)	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	, C	c
Nantucket			S	<b>1</b>	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	-	c	C	c
SE Georg.	Bank		c	c	~	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	C	c
Stellwyn.	dank		c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c
Nantucket	Shl.		4	12	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	_	c	c	c
SE Georg.	dank	(JAS)	c	c	-	c	c	c	c	c	c	c	_	c	c	c	c	c	c	c	c	c	c	c	c
Stellwyn.	Sank		<b>c</b>	c	=	c	c	c	c	c	c	c	_ _	c	c	c	c	c	c	c	c	c	c	c	c
Nantucket	Snl.	(NO0)	~	13	c	c	c	c	c	c	c	c	c	c	c	_	c	c	c	c	c	c	c	c	c
SE beorg.	dan K	(NOQ)	-	c	-	c	c	c	c	c	c	c	c	c	c	c	C	c	c	c	c	_	c	c	c

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.

Taryet			ר טכֿז	[51]	152 1	150 151 152 153 15	4	H T55 T	Hypother 156 157	thetical Spill Location 157 158 159 160 161 162	l Sp.	ווו ר 160	ocat T61		163 1	164 10	165 166	6 167	7 168	169	170	171	172	173 1	7.2
Stellwyn.	dank	(JFM)	c	c	c	c	c	c	c c	c	c	c	c	c	c	_	c	c	c	c	c	c	c	c	c
Nantucket	Sh.t.	(JFM)	c	۲	c	c	c			c	~	13	c	c	c		ר	C	c	c	c	c	c	c	_
SE Georg.	dank	(JFM)	c	c	c	c	c		u u	c	c	_	c	c	c	c	<u>د</u>	C	c	c	c	c	c ·	c	_
Stellwgn.	dank	(AMJ)	c	c	c	c				<b>C</b>	c	c	c	c	c			C	c	c	c	c	_	c	c
Nantucket	Shl.	(FWF)	c	c	_	c				c	7	16	_	c	c			c	c	c	c	c	C	c	c
SE Georg.	dank	(AMJ)	c	c	c	c				<b>c</b>	c	c	c	<b>c</b>	c			c	c	c	c	c	c	c	_
Stellwgn.	⊎ank	(JAS)	_	_	c	c				<b>C</b>	_	c	<b>c</b>	c	c			c	C	c	c	c	c	c	c
Nantucket	shl.	(JAS)	c	c	c	c	c		c	<b>-</b>	7	14	c	c	c		c c	c	c	c	c	c	c	c	c
St Georg.	Bank	(JAS)	_	c	c	<b>c</b>	c			<b>c</b>	<b>c</b>	c	c	c	c			c	c	c	c	c	c	c	c
stellagn.	dank	( DON)	<b>c</b>	_	c	c	c			_	c	c	c	c	c			c	c	c	c	c	c	c	c
Nantucket	sht.	(NOG)	c	c	c	<b>c</b>	c			c	~	14	c	<b>c</b>	c			c	c	c	c	c	c	c	c
SE Georg.	Bank	( 000)	c	<b>c</b>	_	c	c	c	u u	د	c	c	c	c	<b>c</b>		ת ת	c	c	c	c	c	c	c	c
Note: ** = Greater than 99.5 percent; n	Grea	ter than	٠ ٠	. j	.cent		اا ق	less t	than 0.5		percent	;													

Iaule H−7. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Taryet									HYDC	Hypothetical Spill Location	Spill	Location
•			175	176	177	178	179	180	181	182		
Stellwyn.	Bank	(JFM)	c	c	c	c	c	c	c	c		
Nantucket	Snt.	(JFM)	C	c	c	c	c	c	c	c		
SE Georg.	bank	(JFM)	c	c	c	_	c	~	∞	c		
Stellwyn.	dank	(LMA)	c	c	c	c	c	c	c	c		
Nantucket	Sht.		c	c	c	c	c	c	c	c		
SE Georg.	dank	(FWF)	c	c	c	c	c	7	1	c		
Stellwyn.			c.	c	c	c	c	c	c	c		
Nantucket	Sht.	(JAS)	c	c	_	c	c	c	c	c		
SE Geory.	dank	(JAS)	c	c	c	c	c	~	6	c		
Stellwgn.	dank	(NOO)	c	c	c	c	c	c	c	c		
Nantucket	sht.	(NOO)	C	c	c	c	c	c	c	c		
SE George	<b>dank</b>	(NOO)	c	c	c	c	c	2	0	c		

....

Table d-8. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Taryet			11	1.2	13	11 12 13 14	1.5	16	нур( 17	Hypotherical 17 18 19	ical 19	ical Spill L 19 110 111	111 LG	Locati 1 T12 T	ion 113 1	1 7 L	115 T	116 117	7 118	119	120	121	122	123	124	125
Stellwyn.	Jank	(JFM)	c	C	-	2.0	۷	c	-	17	7	17						c		c	c	c	c	c	c	c
Nantucket	sh!	(JF3)	c	c	<del>-</del>	-	7	c	<del>,-</del>	S	11	~0	12				<b>c</b>			-	c	~	20	19	M	54
SE Georg.		(JFM)	<b>c</b>	c	c	c	7	<del>-</del>	7	<b>c</b>	-	c		∞	<u>ر</u>	15 2		5 12	_	-	c	15	4	c	7	_
Stellwyn.	dank	(LMA)	<b>C</b>	-	-	22	۷	c	<b>c</b>	21	~	18								c	c	c	c	c	c	c
Nantucket	sht.	(FWF)	c	<b>c</b>	-	2	~	c	-	7	S	×					c c			~	c	2	54	16	S	56
SE Georg.		(LMA)	<b>c</b>	<b>c</b>	c	۲	c	-	<b>-</b>	_	c	c								c	c	13	_	c	~	c
Stellwyn.		(JAS)	c	<b>c</b>	11	5 ?	9	c	c	2.5	7	-	<b>c</b>				c			c	c	c	c	c	c	c
Nantucket	sht.	(JAS)	c	<b>c</b>	<b>c</b>	_	~	c	2	7	2	~					с с			4	c	-	25	17	7	21
St Geory.	dank	(JAS)	c	c	c	د	c	c	c	_	c	c								c	c	-	c	c	S	c
Stellwyn.	dank	(NO9)	Ξ	-	-	77	10	c	c	21	2	13	<b>-</b>					c		c	c	c	c	c	c	c
Nantucket	sht.	(NOG)	c	c	-	2	7	c	7	5	6	9	15	11				c		-	c	c	19	17	7	22
SE beorg. dank	dank	(NO0)	c	c	<b>c</b>	c	-	c	-	_	-	c	~							c	c	15	7	c	~	<del>-</del>

Table u-8. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at u particular location will contact a certain target within 10 days.

Taryet		120	120 127 128	128	129	130	131	нурс 132	thet T33	Hypothetical Spill Location 132 133 134 135 136 137 138	Sp1 135	136 136	ocat 137		139 1	1 0 5 1	141	1 7 5 1	143 1	1 771	1 5 71	1 971	1 47 1	1 8 71	671
Stellwyn, dank	(JFM)	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c		c	c
Nantucket Shl.	(NYC)	7	10	c	c	c	c	c	c	c	c	c	c	c	_	c	c	_	<b>c</b>	c	_	~	c	c	c
		٠.	c	~	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	7	c	<u> </u>	c
		c	c	c	c	c	c	c	c	c	c	c	c	c	<b>c</b>	c	c	c	c	_	c	<b>c</b>	c	, c	c
		э	10	c	c	c	c	c	c	c	c	c	c	c	c	_	c	<b>-</b>	<b>c</b>	c	_	~	_	c	c
SE Georg. uank	(FWF)	'n	c	<u>о</u> -	c	c	c	-	c	c	c	c	c	c	c	c	c	c	c	c	c	٣	c	c	c
Stellwan. dank		c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	_	c	c	c	c	c	_	c	c
		4	38	c	c	c	c	c	c	c	_	c	c	c	c	c	c	c	c	c	c	2	c	c	c
SE Geory, dank		~	c	5	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	c	~	c	<b>c</b>	c
		c	_	c	c	c	c	c	c	c	_	c	c	c	c	c	c	<b>-</b>	c	c	c	_	c	c	c
	( DOM )	4	16	c	c	c	c	c	c	c	_	c	c	c	c	c	_	_	c	c	c	_	c	c	c
SE beorg. dank	(NOG)	5	-	7	c	c	c	c	c	c	_	c	c	c	c	c	c	c	c	c	<b>c</b>	7	c	c	c

Table H-8. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting

	0	iable 8-0. (Continued) - Probabilities at a particular	) )  -		at a parti	part	icular		texpressed as tocation will			contact		ance, tn certain	cnance, that an oilspill a certain target within	at an target	within	in 1	o days	6 • s					
Taryet			T 5 0	151	53 151 152 153	153	154	155	Hypot 156 1	Hypothetical TS6 TS7 TS8		Spil. 159 Te	Spill Location 159 160 161 162	ation   T62	163	164	165 1	1 991	167 16	168 16	169 170	0 171	172	173	174
Stellwyn.	dank	(JFM)	c	c	c	c	c	c	c	c	c	د	c	c	c	c	c	c	_	c	c	c	c	c	c
Nantucket	Sht.	(JFM)	c	c	=	c	c	c	c	c	د	9 14	c	<b></b>	-	c	c	c	c	c	c	c	c	c	c
SE Georg.	dank	(JFM)	c	c	c	c	c	c	c	c	c	2	c	c	c	c	c	c	_	c		c	c	c	c
Stellwyn.	dank	(AMJ)	c	c	c	c	c	c	c			_		c	c	c	c	c	_	_	c	_	ć	c	c
Nantucket	Shl.	(LMA)	c	c	=	c	c	c	c					c	c	c	c	c	_	_		_	·	c	c
SE Geory.	dank	(AM)	c	c	c	c	c	c	د				c	c	c	c	c	c	_	c	c		C	c	c
Stellwyn.		(JAS)	c	c	c	c	c	c	c			c		c	c	c	c	c	c			c	c	c	c
Nantucket	Shl.	(JAS)	c	ε	د	c	c	c	c		3 1			c	-	c	c	c				c	c	c	c
SE beorg.	dank	(JAS)	c	c	c	c	c	c	c	c		` c		c	c	c	c	c					c	c	c
Stellwyn.	dank	(DOD)	c	c	c	c	c	c	c		<b>c</b>		ر د	c	c	c	c	c	_	_	c	_	c	c	c
Nantucket	Shl.	(NOG)	c	c	c	c	د	c	c	c		9 16		c	7	c	c	c	_	_	c	c	c	c	c
St veory.	dank	(NOO)	c	c	c	c	c	c	c	c	<b>c</b>	·-	c	c	c	c	c	c	_	c	c	c	c	c	c

[able u-8. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target									HYDC	Hypothetical Spill Location	Spill	Locatio
)			175	170	117	178	179	180	181	182		
Stellagn.	d d n K	(JFM)	c	c	c	c	c	c	c	c		
Nantucket	Snl.	(JF.A)	c	c	c	c	-	c	c	c		
SE beory.		(JFM)	C	<b>C</b>	c	c	-	2	11	c		
Stellayn.	dan k		c	<b>c</b>	c	2	<b>C</b>	c	c	c		
Nantucket	Shl.		c	C	C	c	<u>ر</u>	C	c	c		
SE Georg.	3 LPD		Ξ	C	c	<b>C</b>	c	7	14	c		
Stellw 3n.			C	C	c	C	c	c	<b>C</b>	c		
Nantucket			c	c	c	c	-	c	c	c		
SE George			C	C	c	<b>C</b>	c	7	6	c		
Stellwyn.		(000)	c	c	c	c	c	c	c	c		
Nantucket		(100)	=	C	د	c	c	c	c	c		
SE ueory.	dank	(NOG)	C	<b>C</b>	c	C	C	Š	12	c		

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

Table u-9. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

3 124 125	c	3 24	6	c	∞	10		4	œ	c	~	13
123		19										
12.2	c	20	œ	c	54	9	c	23	M	c	20	2
121	c	2	17	c	5	19	c	7	13	c	~	16
120	c	c	c	c	c	c	c	7	c	c	-	c
119	c	~	7	c	7	-	¢	6	-	c	7	~
118	c	~	7	c	7	5	c	S	4	c	٣	5
117	c	-	13	c	2	21	c	-	16	c	c	14
116	c	c	7	c	c	15	c	c	14	c	c	7
115	c	c	52	c	-	28	c	c	22	c	c	56
114	c	c	15	c	c	8	c	c	16	c	c	14
10n 113	c	c	c	c	c	-	c	c	c	c	c	-
.ocat T12	c	6	14	c	12	6	¢	8	S	c	13	12
111 L	c	12	12	c	13	7	c	12	-	c	15	6
Sp 110	17	٥	7	19	10	7	11	7	c	13	9	~
ica 19	4	=	9	3	S	7	7	S	-	S	1	~
Hypothetical 17 18 19	17	9	7	21	S	7	25	٣	c	21	9	~
нур( 17	<b>,</b> -	2	10	c	-	9	c	2	-	c	7	9
16	Ξ	c	3	c	c	7	c	c	c	c	c	_
15	ກ	9	10	2	7	3	۷	~	c	10	5	9
<b>7</b> L	2.0	~	9	< 3	~	~	5 2	~	c	22	~	2
13	-	<del>-</del>	4	-	~	7	11	<del></del>	c	12	~	_
11 12	-	c	c	<b></b>	c	,	c	c	c	-	-	-
1	c	c	c	C	c	c	c	c	c	c	c	_
	(JFM)	(JFM)	(JFM)		(AMJ)		(JAS)	(JAS)	(JAS)	(NOG)	(NOA)	(NO0)
	ŭ a ∩ K	sht.	dank	Jank	Shl.	dank	dank	Shl.	ыапк	uank	šní.	dan k
Taryet	Stellwan.		SE Georg.	Stellagn.	Nantucket	SE George	Stellwyn.					SE Geory.

Table u-9. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

148 149	c	c	د د	_ _ _	<u>د</u>	c	c	c	c	c	c	c	
27	<b>c</b>	_	<b>c</b>	_	_	c	ב	ב	_	_	_	c	
1 971	c	~	7	_	S	6	_	~	9	_	2	٥	
145	_	ב	_	_	_	-	_	_	7	_	c	_	
144	<b>c</b>	c	_	_	c	c	ב	c	ב	_	_	c	
143	<b>c</b>	c	<b>c</b>	c	c	c	ב	c	c	_	<b>c</b>	c	
142	c	c	_	_	ב	c	_	c	c	c	c	c	
141	_	_	_	ב	_	c	_	c	c	c	<b>C</b>	c	
140	c	-	-	c	_	c	c	-	ב	c	c	c	
139	<b>c</b>	c	c	_	ב	c	_	c	c	ב	c	c	
tion T38	C	c	c	c	c	c	c	c	c	c	c	_	
ll Location 136 137 138	c	c	c	c	ב	c	c	c	c	c	<b>c</b>	c	
ill 1 136	c	c	c	c	c	c	c	c	c	c	c	ב	
ι Sρί Τ35	c	c	c	c	c	c	c	c	c	c	c	c	
tica T34	c	c	c	Ċ	c	c	c	C	c	c	c	c	
Hypothetical T32 T33 T34	c	c	c	c	c	c	c	c	c	c	c	c	
	c	c	c	c	c	2	c	c	-	c	c	c	
131	c	c	c	c	c	c	c	-	c	c	c	c	
130	c	c	-	c	-	c	c	7	-	c	c	c	
129	c	c	c	c	c	c	c	c	c	c	c	c	
128	c	c	7	c	<del>-</del>	15	c	c	=	<b>c</b>	c	7	
120 127 128	c	13	7	c	18	~	c	19	2	<b>C</b>	38	٥	
120	c	~	70	<b>c</b>	7	13	c	٥	٥	c	^	J.	
	(JFM)	(JFM)	(JFM)	(FWF)	(AM))	(FWF)	(JAS)	(JAS)	(JAS)	(NOA)	(NOO)	(NOG)	
	dank	Shl.	dank	dank	Shl.	Jank	dank	Shl.	<b>Bank</b>	dank	Sht.	dànk	
Taryet	Stellagn.	Nantucket		Stellwyn.	Nantucket Shl.		Stellwyn.		SE beorg.	Stellwyn.	Nantucket	SE GEORY.	

Table B-9. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting

	174	c	c	c	c	c	c	c	c	c	c	c	c
	173	c	c	c	c	c	c	c	c	c	c	c	c
	172	c	c	c	c	· C	c	c	c	c	c	c	<del>-</del>
	171	c	c	c	c	C	c	c	c	c	c	c	c
	170	c	c	c	c	c	c	c	c	c	c	c	c
	169	c	c	c	c	c	c	c	c	c	c	c	c
days	168	c	c	c	c	c	c	c	c	c	c	c	c
30	167	Ξ	c	c	c	c	c	c	c	c	c	c	c
r h i n	166	c	c	c	c	c	c	c	c	c	c	c	c
2	165	c	c	c	c	c	c	c	c	c	¢	c	c
rdet	164	c	c	c	c	c	c	c	c	c	Ç	c	c
a certain target within	163	c	M	2	c	5	<b></b>	c	œ	-	c	7	7
erta	t 10n T62	c	-	7	c	-	c	c	~	c	c	c	<del></del>
	Hypothetical Spill Location 156 157 158 159 160 161 162	· c	-	-	c	c	c	c	7	c	c	c	c
tact	Spill L 159 160	c	14	1	c	20	∞	c	16	7	c	17	12
at a particular location will contact	48 J	c	9	7	c	13	2	c	16	7	c	٧	2
я і г. Г	tical TS8	c		-	C	7	_	c	æ	7	c	<b>1</b> (1)	2
noi	Hypothet 156 157	c	c	c	c	c	c	c	~	c	c	-	c
ocat		c	c	c	c	c	c	c	2	c	c	c	c
ar L	155	c	c	c	c	c	c	c	-	c	c	c	c
icul	154	c	c	c	c	c	c	c	c	c	c	c	C
part	153	c	c	c	c	c	c	c	¢	¢	c	c	c
ب و	T52	c	c	c	c	c	c	c	c	c	۵	c	<b>C</b>
ø	150 151 152 153 154	c	c	-	c	c	c	c	7	c	c	c	<b>C</b>
	150	c	c	_	c	<b>,-</b>	c	c	^	-	C	<b>-</b>	c
		(JFM)	(JFM)	(JFM)	(AMJ)	(AM)	(AMJ)	(JAS)	(JAS)	(JAS)	(DON)	(NOO)	(NOG)
		dank	shl.	dank	dank	shl.	uda ∩ k	dank	Shl.	dank	dank	Shl.	3an k
	Taryet	Stellwgn.	Nantucket S	SE beorg.	Stellwyn.	Nantucket S	SE Georg.	Stellwyn, t				Nantucket S	SE beory. dank

Table B9, (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Tarjet									HYDO	Hypothetical Spill Location	Spill	Location
			175	170	117	178	179	180	181	182		
Stellwyn.	dank	_	c	c	c	<b>c</b>	c	c	c	c		
	Sh.l.		c	c	<b>-</b>	c	<b>-</b>	c	c	c		
SE beor j.	Sank	(JFR)	c	_	-	c	<u>,</u>	9	11	c		
Stellayn.	Jank	(LMA)	c	c	c	c	_	c	c	c		
Nantucket	Shl.	(FWF)	c	c	_	c	~	c	c	с		
SE Geory.	Jank	(AM)	c	c	c	c	~	12	16	<b>-</b>		
Stellwyn.	A C P	(JAS)	د	c	c	c	c	c	c	c		
Nantucket	Shl.	(JAS)	-	CJ	~	,-	7	c	_	c		
SE beorg.	Jarik	(JAS)	c	c	c	ς	~	x	10	c		
Stellwin.	dank	(NOO)	c	c	c	_	c	c	c	c		
Nantucket	Shl.	(1001)	c	c	c	c	-	c	c	c		
St Georg.	dank	( DON )	c	_	c	_	^	v	12	c		