UNITED STATES DEPARTMENT OF THE INTERIOR
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AN OILSPILL RISK ANALYSIS FOR THE DIAPIR FIELD (JUNE 1984) OUTER CONTINENTAL SHELF LEASE OFFERING

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Contents

Introduction

The Federal Government has proposed to offer Outer Continental Shelf (OCS) lands in the Diapir Field off the north Alaska 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 future leasing with risks of existing leases and transportation of Canadian oil through the study area.

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

This report summarizes results of an oilspill-risk analysis conducted for the proposed Diapir Field OCS Lease Offering (June 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; Smith and others, 1982; Lanfear and Samuels, 1981). The analysis was conducted in three parts corresponding to different aspects of the overall problem. The first part dealt with the probability of oilspill occurrence, and the second dealt with the trajectories of oilspills from potential launch points to various targets. Results of the first two parts of the analysis were then combined to give estimates of the overall oilspill risk associated with oil and gas production in the lease area.

Summary of the Proposed Action

The proposed action is to offer for lease a large number of tracts on the Outer Continental Shelf in the Diapir Field off the north Alaska coast. The study area for this analysis includes all of these tracts and extends from latitude 62.5° N. to 74° N., and from longitude 134° W. to 168° W. (figure 1). The study area also includes existing leases in the Beaufort Sea from OCS sale 71 and a joint Federal and State sale. Canadian leases near Mackenzie Bay were also included in the analysis.

The study area and the proposed lease area are shown on a Mercator projection in figure 1. Thirty launch points (P1-P30) which represent hypothetical platform locations, and locations along pipeline and tanker routes are also shown in figure 1. Figure 2 shows the location of 30 launch points (P31-P60) which represent Canadian oil leases (P31-P33) and the end points (P34-P60) of oilspill trajectories which started during the winter (ice cover) season and remained within the boundaries of the study area at the time of ice breakup (approximately July 15). The need for these two sets of launch points will be explained in the section on Oilspill Trajectory Simulations.

The oilspill risks from the proposed action and two tract deletion alternatives were considered in this analysis. The transportation scenarios for this analysis involved pipelines to shore with land falls in the vicinity of launch points P1, P15, and P22. For the proposed action, the launch points used to represent potential platform locations were: P1-P11, P13-P15, P17-P18, P21, P24-P27, and P29-P30. The first tract deletion alternative, called the eastern deletion included all of the launch points for the proposed action minus P26-P27 and P29-P30. The second tract deletion alternative, called the western deletion included all of the launch points for the proposed action minus P1, P3-P7, and P10. In addition to oil production from the proposed lease offering, oil produced from tracts in the sale 71 area (P11, P13, P15, P18), the sale BF area (P20, P22), the Duck Island/Sag Delta area (P22), and Canadian leases (P31-P33) were included in the analysis. The transportation schemes for the first three areas involved pipelines to shore. The transportation of oil from the Canadian leases involved the westward movement of oil by tankers.

Environmental Resources

The locations of 28 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 Alaska Regional OCS office, who are preparing the EIS. Maps showing the digitized targets are shown in appendix A, figures A-1 to A-6. 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. The targets are listed below:

Bowhead Whale Feeding Area A
Bowhead Whale Feeding Area B

Beluga Whale Concentration Area A
Beluga Whale Concentration Area B
Major Whale Migration Area A
Major Whale Migration Area B
Seabird Foraging Area 1
Seabird Foraging Area 2
Seabird Foraging Area 3
Seabird Foraging Area 4
Seabird Foraging Area 5
Seabird Foraging Area 6
Whaling Subsistence Area (Wainwright Barrow)
Whaling Subsistence Area (Kaktovik)
Sea Segment 1
Sea Segment 2
Sea Segment 3
Sea Segment 4
Sea Segment 5
Sea Segment 6
Sea Segment 7
Sea Segment 8
Sea Segment 9
Sea Segment 10
Sea Segment 11
Sea Segment 12
Sea Segment 13
Sea Segment 14

Oilspill contact probabilities were calculated for three time periods for the ice-cover as well as ice-free seasons. In addition, Appendix B shows contacts to targets during the April 15 - June 15 whale migration period. Because the trajectory model simulates an oilspill as a point, most targets have been given an areal extent slightly greater than they actually occupy. For example, some shoreline targets extend a short distance offshore; this allows the model to simulate a spill that approaches land, makes partial contact, withdraws, and continues on its way. Sea segments were selected by MMS analysts (Anchorage). They are used to get an idea of the distribution of oilspill contacts at sea for different time periods.

To provide a more detailed analysis for land or land-base targets, the model includes a feature that allows subdividing the coastline and open-water boundary into segments. Figure 3 shows the coastline and open-water boundary divided into 100 segments of approximately equal lengths.

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 offering. If oil is present in the Proposed Lease Area, a conditional mean resource of 3.0 billion barrels is estimated (McMullin, 1983b). This volume is an estimate of the total undiscovered recoverable oil, given that hydrocarbons are indeed present. The conditional mean resource estimate for both the eastern and western deletion alternatives is 2.1 billion barrels (McMullin, 1983a).

For existing leases in the Diapir Field lease area the resource estimates are as follows: sale 71 area, 2.38 billion barrels (USDI, 1982); sale BF area, 0.75 billion barrels (USDI, 1979), Duck Island/Sag Delta, 0.3 billion barrels (Ocean Oil Weekly Report, 1983); Canadian leases, 4.7 billion barrels (Oil and Gas Journal, 1981). The resource estimate for the Candian production is one-half of that listed for entire Mackenzie-Beaufort area because only one-half of this oil province is within the model boundaries. In the case of Canadian production, 1.7 billion barrels (USDI, 1982) of the total 4.7 billion barrels produced would be tankered westward. The other 3.0 billion barrels would be tankered to the east. An assumption was made that only 25 percent of the oilspill risks from Canadian tankers would occur in the Diapir Field study area. The other 75 percent of the oilspill risks would occur along the tanker route which would be outside the study area.

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

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, transportation of oil to shore, and, in some cases, further transportation from an intermediate terminus to refineries. 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 alternatives.

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.

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.

For tanker spill rates, previous OSTA models for Alaska used data for years prior to 1973. Using a new data base (The Futures Group, and World Information Systems, 1982) covering the years 1974 through 1980, Lanfear and Amstutz (1983) concluded that the tanker spill rate (expressed as spills per billion barrels transported) since 1974 was only about a third of that found prior to 1973. Thus, this oilspill analysis uses a significantly lower tanker spill rate than the earlier models. From 1974 through 1980, the data base contains records of 57 tanker spills of crude oil of 10,000 barrels or larger and another 57 spills of 1,000 to 10,000 barrels. During this period, approximately 88 billion barrels of oil were transported. Lanfear and Amstutz (1983) were able to separate the 114 tanker spills into those occurring in port (i.e., inland of the breakwater, etc.) and those occurring at sea. While this information does not affect predictions of the overall occurrence rate, it does affect assumptions about where spills are likely to occur, and the appropriate weights were assigned along tanker routes to account for "at sea"/"in port" spills. The overall spill rate for tanker spills of 1,000 barrels, or larger, is 1.3 spills per billion barrels transported (0.90 at sea, and 0.40 in port), and the rate for spills of 10,000 barrels, or larger, is 0.65 spills per billion barrels (0.50 at sea, and 0.15 in port).

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

	≥1,000 bbl	≥10,000 bbl
Platforms	1.0	0.44
Pipelines	1.6	0.67
Tankers (at sea)	0.9	0.50
Tankers (in port)	0.4	0.15

Oilspill occurrence estimates for spills greater than 1,000 barrels and greater than 10,000 barrels (Table 1) were calculated for production and transportation of oil over the 27-year expected production life of the Diapir Field Leases. Similar estimates were also calculated for production and transportation of oil from existing leases and for transportation of Canadian oil.

Oilspill Trajectory Simulations

Oilspill trajectories were simulated by Flow Industries, Inc. Kent, Washington (Thomas, 1983) and the Rand Corporation, Santa Monica, California (Liu and Leendertse, 1981). The Flow model simulated trajectories during the ice cover (winter) season (approximately October through mid-July) and the Rand model simulated trajectories during the open-water (summer) season approximately mid-July through September). The quasi-steady model of ice dynamics used by Flow incorporates a momentum equation which balances the forces due to: stress exerted by the atmosphere on the upper ice surface, stress exerted by the ocean on the under ice surface, Coriolis effects, sea surface elevation, and internal ice stress divergence. Ice response fields were computed over a range of wind and current conditions as well as ice strength conditions. Ocean currents were assumed to be the long-term mean geostrophic velocity field derived from the dynamic topography of Newton (1973). Average daily atmospheric pressure fields for the years 1979 and 1980 as reported by Thorndike and Colony (1980, 1981) were used to compute wind stress. The basic three-dimensional model developed by Rand is formulated according to the equations of motion for water and ice, continuity, state, the balance of mass, heat, salt, pollutant, and energy on a three-dimensional finite-difference grid. This allowed for the computation of the vertical density structure and the residual tidal circulation. The residual circulation could also be computed by digitally filtering at regular time intervals, the flow fields using a tidal eliminator. Local wind stress was modeled using a method called the unit response function. Response functions are generated by the differences in the currents in the three-dimensional field with and without wind stress under identical tidal conditions. Under ice-free conditions, the respose function (coupled to a stochastic weather model) together with the local residual current, was used to compute the movement of oil. The stochastic weather model incorporates a Markov transition matrix of weather types as categorized by Putnins (1966). Oil movement beneath the ice is more complicated. When the relative speed between the ice and the water is below a critical or threshold level, the oil will be contained by the underside roughness of the ice, and thus will move with the ice. The threshold value is a function of the density of oil and water, the surface tension between oil and water, the underside roughness of ice, and the thickness of oil. When the threshold value is exceeded the oil begins to move at a speed proportional to the speed of the water.

Using the Flow model, 30 oilspill trajectories were simulated from each of 30 launch points (P1-P30) at three times during the winter season. Simulations were made for spills occurring on October 15, January 1, and April 1. These times were selected to represent different ice conditions in the Beaufort Sea. It was assumed that spills launched on October 15 represented ice conditions during the October through November period. January 1 spills represented ice conditions during December through March and April 1 spills represented ice conditions during April through mid-

July. The position of the oil (trapped in ice) was reported every 15 days. Spill movement stopped during the winter when (1) the oil/ice was incorporated into fast ice, (2) the oil/ice moved beyond the boundaries of the study area, (3) the oil/ice remained at sea at the time of ice breakup (approximately mid-July). The trajectories in the first and third categories were used to define another set of launch points that would represent the position of oilspills that started during the winter season and remained in the study area at the time of ice breakup. These launch points (P34-P60) are shown in figure 2. These 27 points (P34-P60) were derived from the distribution of winter spill end points using the criteria that each of them be at least within 50 km of any winter spill end point. Launch points P31-P33 represent platform locations in the Canadian lease area.

During the open-water season, 30 oilspills were simulated by the Rand model from each of the original 30 launch points (P1-P30), from the points representing the Canadian leases (P31-P33), and from points representing the positions of winter spills at ice breakup (P34-P60). The time step for the Rand model was 12 hours.

The trajectories simulated by these models represent only hypothetical pathways of oil slicks and do not involve any direct consideration of clean-up, 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 during the open-water season were selected: 3, 10, and 30 days, to represent implicit measures of oil weathering, as well as matters relating to containment and cleanup.

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

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

where N = number of trials. The shape of this distribution approximates the normal curve. Table 1a shows, for the 90-percent confidence level of this distribution, values of s as a function of p and N.

The probability that, if an oilspill occurs at a certain location, or launch point, 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 2 through 37 represents the probability (expressed as percent chance) that, if a spill occurs at certain launch point, it will contact a particular target or segment within a certain time period. For the winter season, the time periods of oilspill contact were 15 days, 30 days, and during the winter season. For the summer season, the time periods were 3, 10, and 30 days.

Combined Analysis of Oilspill Occurrence and Oilspill Trajectory Simulations

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

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

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

(3) Define matrix [U] as:

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

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

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

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

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

Using Bayesian techniques, Devanney and Stewart (1974) showed that the probability of n oilspill contacts can be described by a negative binomial distribution. Smith and others (1982), however, noted that when actual exposure is much less than historical exposure, as is the case for most oilspill risk analyses, the negative binomial distribution can be approximated by a Poisson distribution. The Poisson distribution has a significant advantage in calculations because it is defined by only one parameter, the expected number of spills. The matrix [L] thus contains all the information needed to use the Poisson distribution: if P(n,i) is the probability of exactly n contacts to target i, then:

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

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

Tables 38 to 53 show the probabilities of one or more oilspill (either 1,000 and 10,000 barrels and greater) and the expected numbers (means) of such oilspills occurring and contacting targets or segments within certain time periods over the expected production life of the lease area. A comparison of the proposed action with the two deletion alternatives was performed. The oilspill risks of the proposed action was also examined in a cumulative context by examining the risks from existing leases and the production and transportation of Canadian oil through the study area.

Conclusions

This analysis characterizes the oilspill risks associated with the Diapir Field lease offering (June 1984). Assuming the conditional mean resource estimate, the proposed lease offering will result in an estimated 3.0 billion barrels of oil being found and produced off the North Alaska coast over a period spanning 27 years. There is a 16 percent chance that no spills of 1,000 barrels or larger will occur and contact land within 30 days during the open water season. There is an 83 percent chance that sometime during this 27 year period 1 to 2 spills of 1,000 barrels or larger could occur due to the proposed lease offering and contact land (during the open water season) after being at sea less than 30 days. The risks from spills 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.

For purposes of comparison, risks from existing sources of potential oilspills were also charterized over the same 27 year period as the proposed leases. These risks include all existing oil leases as well as tanker transportation of Canadian oil through the study area; together they represent more than 8 billion barrels produced and/or transported over 27 years. It is estimated that over the next 27 years these existing sources will result in 2 to 12 spills of 1,000 barrels or larger occurring and contacting land during the open water season. (Again, these estimates do not include weathering or spill countermeasures).

Two tract deletion alternatives were considered in this analysis, each decreasing the probability of oilspill occurrence and contact to land. For the west deletion alternative, the probability that no spills will occur and contact land within 30 days (during the open water season) is 18 percent while the east deletion increases this probability to 33 percent.

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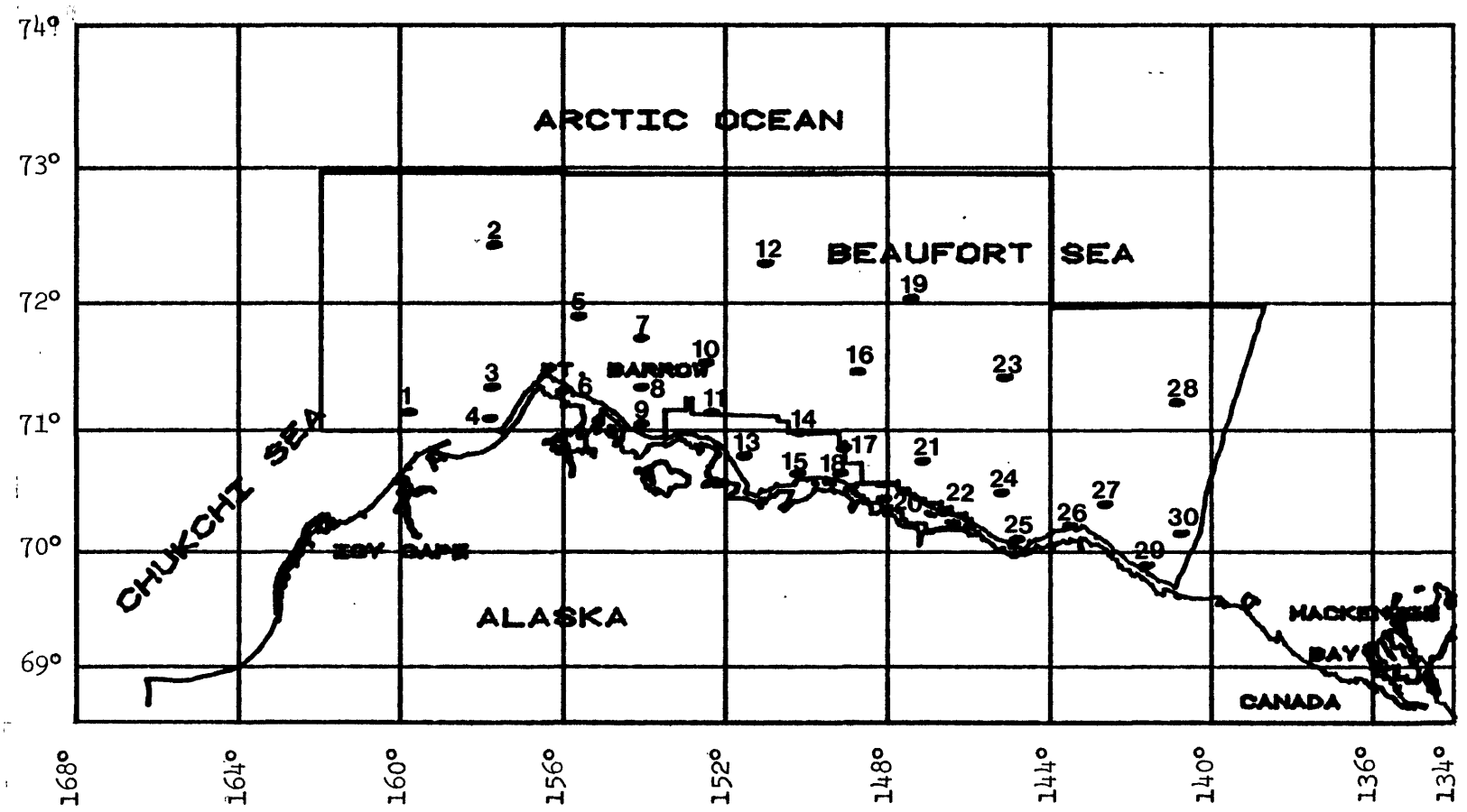

Figure 1. -- Map showing the Diapir Field OCS Lease Offering study area and the initial oilspill launch points, P1-P30.

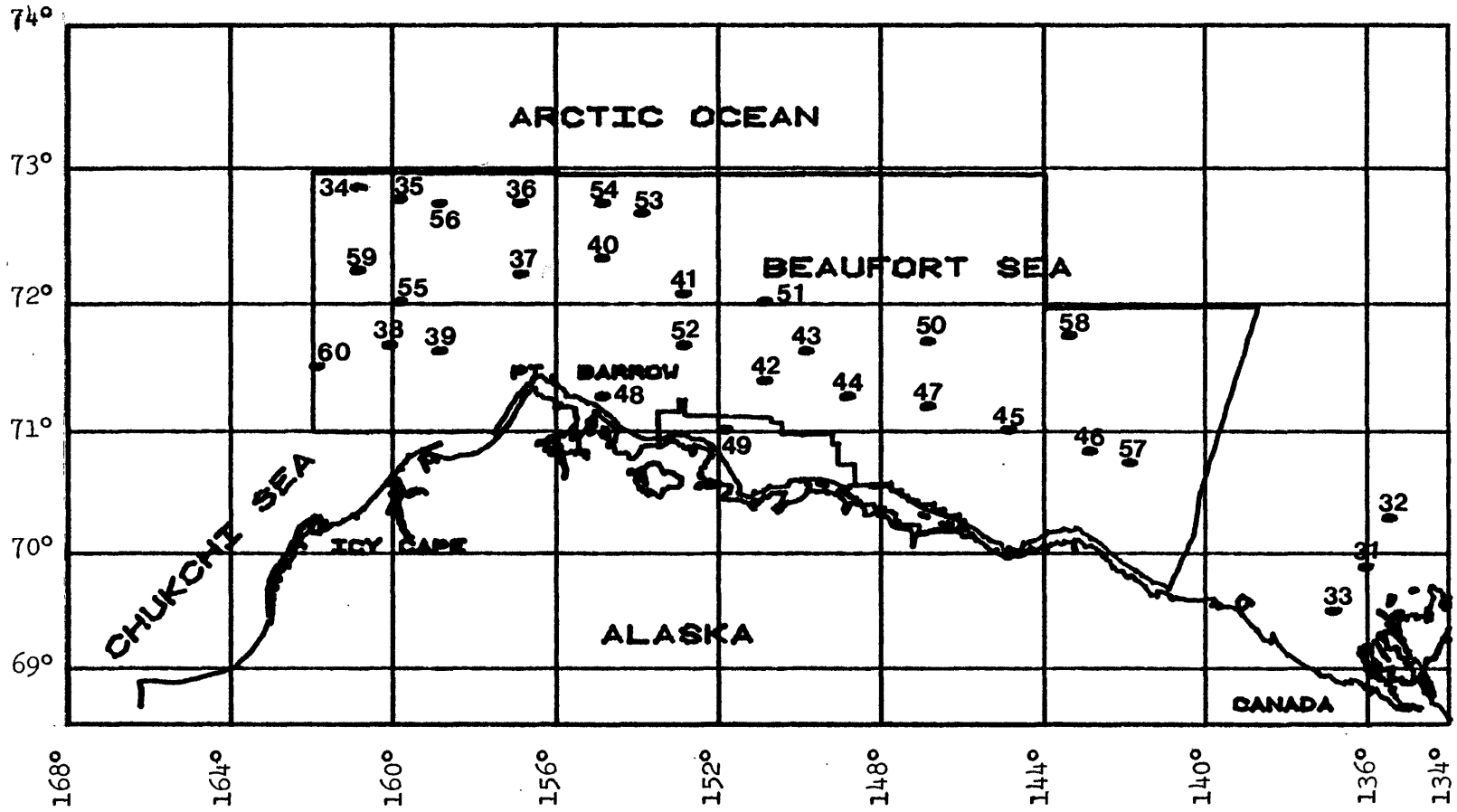

Figure 2. -- Map showing the oilspill launch points used to represent the locations of oilspills which were launched during the winter (from P1-P30) and remained within the study area at the time of ice breakup.

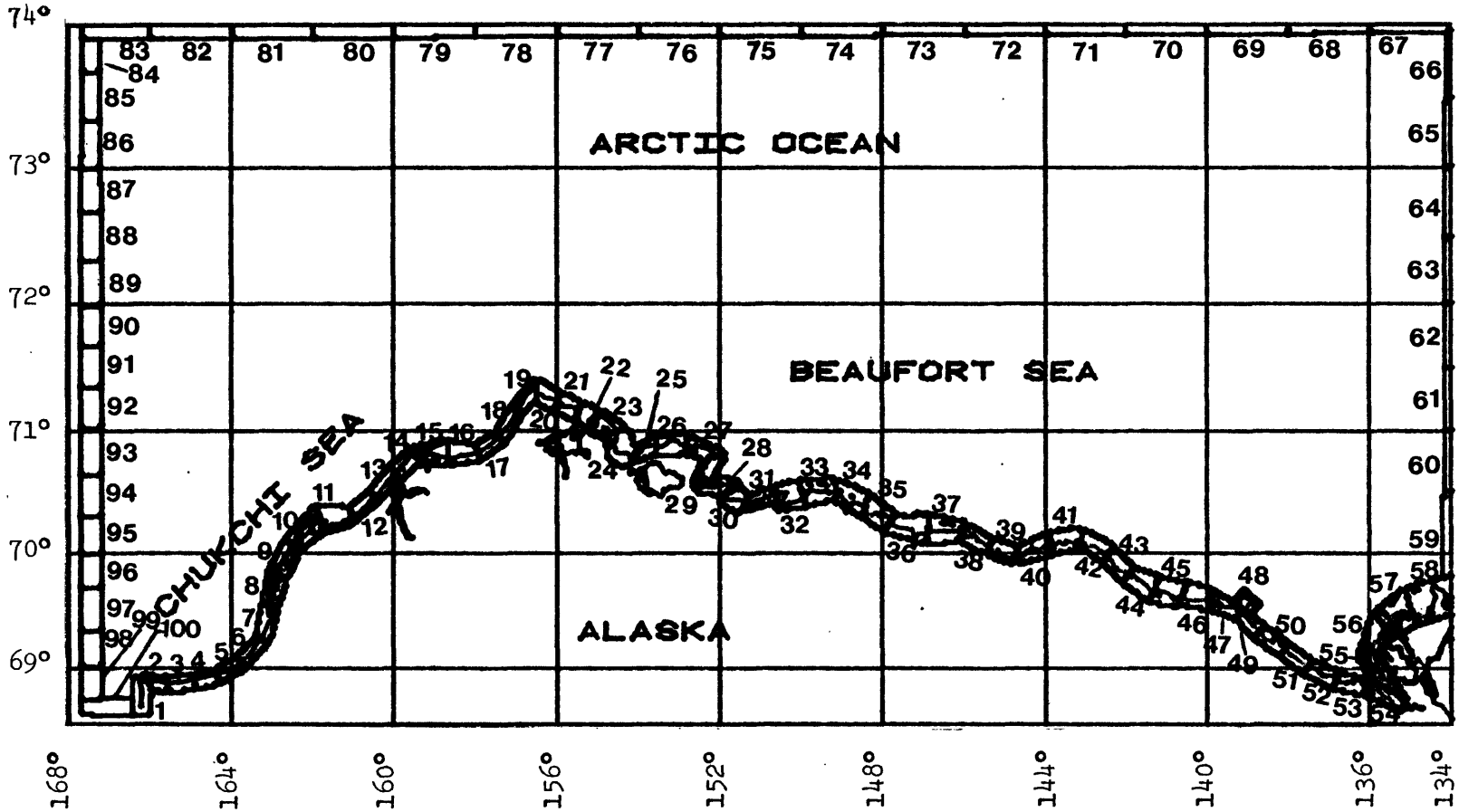

Figure 3. -- Map showing the division of the shoreline and open-water boundary into segments of approximately equal length.

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Table 1. -- Oilspill probability estimates for spills greater than 1,000 and 10,000 barrels resulting over the expected production life of the Diapir Field Lease Offering, from existing Federal and State leases, and from existing oil transportation in the study area.

	Expected number of spills from platforms		Expected number of spills from transportation		Total Number of Spills		Probability of one or more spills (platforms)		Probability of one or more spills (transportation)	
	≥1,000	≥10,000	≥1,000	≥10,000	≥1,000	≥10,000	≥1,000	≥10,000	≥1,000	≥10,000
Proposed action (3.0)*	3.0	1.3	4.8	2.0	7.8	3.3	0.95	0.73	0.99	0.86
East deletion (2.1)*	2.1	0.9	3.4	1.4	5.5	2.3	0.88	0.59	0.97	0.75
West deletion (2.1)*	2.1	0.9	3.4	1.4	5.5	2.3	0.88	0.59	0.97	0.75
Existing leases (3.4)*	3.4	1.5	5.5	2.3	8.9	3.8	0.97	0.78	0.99+	0.90
Production and transportation of Canadian oil (4.7)*	4.7	2.1	7.9	3.4	12.6	5.5	0.99	0.88	0.99+	0.97+

*Assumed amount of oil in billion barrels

Table 1a. -- Monte Carlo error as a function of the number of trials and the estimated probability.

	NUMBER OF TRIALS									
PROB	10	20	40	46	50	100	200	500	1000	2000
0.02	0.07	0.05	0.04	0.03	0.03	0.02	0.02	0.01	0.01	0.01
0.04	0.10	0.07	0.05	0.05	0.05	0.03	0.02	0.01	0.01	0.01
0.06	0.12	0.09	0.06	0.06	0.06	0.04	0.03	0.02	0.01	0.01
0.08	0.14	0.10	0.07	0.07	0.06	0.04	0.03	0.02	0.01	0.01
0.10	0.16	0.11	0,08	0.07	0.07	0.05	0.04	0.02	0.02	0.01
0.12	0.17	0.12	0.08	0.08	0.08	0.05	0.04	0.02	0.02	0.01
0.14	0.18	0.13	0.09	0.08	0.08	0.06	0.04	0.03	0.02	0.01
0.16	0.19	0.14	0.10	0.09	0.09	0.06	0.04	0.03	0.02	0.01
0.18	0.20	0.14	0.10	0.09	0.09	0.06	0.04	0.03	0.02	0.01
0.20	0.21	0.15	0.10	0.10	0.09	0.07	0.05	0.03	0.02	0.01
0.22	0.22	0.15	0.11	0.10	0.10	0.07	0.05	0.03	0.02	0.02
0.24	0.22	0.16	0.11	0.10	0.10	0.07	0.05	0.03	0.02	0.02
0.26	0.23	0.16	0.11	0.11	0.10	0.07	0.05	0.03	0.02	0.02
0.28	0.23	0.17	0.12	0.11	0.10	0.07	0.05	0.03	0.02	0.02
0.30	0.24	0.17	0.12	0.11	0.11	0.08	0.05	0.03	0.02	0.02
0.32	0.24	0.17	0.12	0.11	0.11	0.08	0.05	0.03	0.02	0.02
0.34	0.25	0.17	0.12	0.12	0.11	0.08	0.06	0.03	0.02	0.02
0.36	0.25	0.18	0.13	0.12	0.11	0.08	0.06	0.04	0.03	0.02
0.38	0.25	0.18	0.13	0.12	0.11	0.08	0.06	0.04	0.03	0.02
0.40	0.26	0.18	0.13	0.12	0.11	0.08	0.06	0.04	0.03	0.02
0.42	0.26	0.18	0.13	0.12	0.12	0.08	0.06	0.04	0.03	0.02
0.44	0.26	0.18	0.13	0.12	0.12	0.08	0.06	0.04	0.03	0.02
0.46	0.26	0.18	0.13	0.12	0.12	0.08	0.06	0.04	0.03	0.02
0.48	0.26	0.18	0.13	0.12	0.12	0.08	0.06	0.04	0.03	0.02
0.50	0.26	0.18	0.13	0.12	0.12	0.08	0.06	0.04	0.03	0.02

Level of significance = 90 percent

Table 2. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 15 days. Oilspill trajectory simulations initiated on October 15.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	**	n	40	n	63	n	13	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	87	n	**	87	73	3	23	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. B	n	n	n	n	n	n	**	n	n	**	3	**	n	3	n	**	n	n	**	n	n	n	**	n	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	53	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	**	**	**	**	93	93	93	10	3	n	3	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	**
Sea Segment 1	n	n	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	97	20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	77	n	20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	**	17	n	30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	n	n	n	33	n	n	3	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	n	87	n	n	37	n	n	n	n	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	n	37	n	n	n	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	17	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 2. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 15 days. Oilspill trajectories initiated on October 15.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	**	n
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n
Major Whale Migr. B	n	n	**	n	n
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	17	n	n	3	n
Seabird Area 6	n	n	n	**	n
Whaling (Wainwright)	n	n	n	n	n
Whaling (Kaktovik)	**	**	n	57	50
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	n	n	n	n
Sea Segment 5	n	n	n	n	n
Sea Segment 6	n	n	n	n	n
Sea Segment 7	n	n	n	n	n
Sea Segment 8	n	n	n	n	n
Sea Segment 9	n	n	n	n	n
Sea Segment 10	3	27	n	n	n
Sea Segment 11	n	n	n	n	33
Sea Segment 12	n	n	n	n	n
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 3. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days. Oilspill trajectory simulations initiated on October 15.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	**	n	57	n	93	7	50	n	n	13	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	**	n	**	87	93	23	70	43	n	7	10	n	n	3	n	n	n	n	n	n	n	n
Major Whale Migr. B	n	n	n	n	n	n	**	n	n	**	10	**	n	23	n	**	7	n	**	n	n	n	**	n	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	30	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	67	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	47
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	**	**	**	**	**	**	**	77	47	n	23	3	7	n	n	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	**
Sea Segment 1	n	n	43	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	**	43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	90	n	60	3	n	23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	**	23	7	47	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	n	3	n	60	n	3	60	n	n	10	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	n	93	n	n	60	10	n	n	17	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	n	73	n	n	7	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	3	n	57	3
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 3. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days. Oilspill trajectories initiated on October 15.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	**	3
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n
Major Whale Migr. B	n	n	**	n	n
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	17	n	n	43	n
Seabird Area 6	n	n	n	**	n
Whaling (Wainwright)	n	n	n	n	n
Whaling (Kaktovik)	**	**	n	90	77
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	n	n	n	n
Sea Segment 5	n	n	n	n	n
Sea Segment 6	n	n	n	n	n
Sea Segment 7	n	n	n	n	n
Sea Segment 8	7	n	n	n	n
Sea Segment 9	n	n	n	n	n
Sea Segment 10	3	37	n	n	10
Sea Segment 11	n	n	n	n	47
Sea Segment 12	n	n	n	n	n
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 4. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during the winter season. Oilspill trajectory simulations initiated on October 15.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	n	n	3	53	n	17	n	60	10	37	n	10	33	n	67	17	80	n	7	43
Bowhead Feeding A	n	n	n	n	n	n	n	n	**	n	57	n	**	23	93	n	30	50	n	20	3	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	**	n	**	87	**	53	80	90	n	43	97	57	17	73	53	n	27	43	3	3	7	n
Major Whale Migr. B	n	n	n	n	n	n	**	n	n	**	23	**	13	63	33	**	77	57	**	23	80	17	**	83	27
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	60	n	10	n	13	7	7	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	67	n	20	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	50
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	**	**	**	**	**	**	**	**	90	n	73	87	67	37	73	60	n	33	50	3	13	7	3
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	7	**
Sea Segment 1	n	n	70	40	n	37	n	3	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	**	60	n	3	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	90	n	63	20	13	57	30	n	17	60	37	30	47	43	n	17	43	3	7	7	3
Sea Segment 4	n	n	n	n	n	n	**	27	17	60	57	n	27	77	53	13	60	53	n	20	40	3	3	7	n
Sea Segment 5	n	n	n	n	n	n	n	n	3	n	63	n	20	93	47	n	87	63	n	27	47	7	n	23	7
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	n	93	3	n	87	43	n	23	67	10	n	47	17
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	3	n	10	83	20	n	87	43
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	**	13	n	90	47
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 4. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during the winter season. Oilspill trajectories initiated on October 15.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	13	n	n	33	3
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	**	3
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n
Major Whale Migr. B	33	90	**	37	90
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	17	n	n	63	3
Seabird Area 6	n	n	n	**	n
Whaling (Wainwright)	n	3	n	n	n
Whaling (Kaktovik)	**	**	n	**	90
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	3	n	n	3
Sea Segment 5	7	7	n	n	n
Sea Segment 6	13	20	n	3	7
Sea Segment 7	43	43	n	17	17
Sea Segment 8	70	67	n	37	27
Sea Segment 9	13	23	3	20	47
Sea Segment 10	3	37	n	3	53
Sea Segment 11	n	n	n	n	53
Sea Segment 12	n	n	n	n	n
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 5. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 15 days. Oilspill trajectory simulations initiated on January 1.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	**	n	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	n	n	**	60	77	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. B	n	n	n	n	n	n	**	3	n	**	n	**	n	n	n	**	n	n	**	n	n	n	**	n	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	3	n	**	**	**	**	63	37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	**
Sea Segment 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	70	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	63	n	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	**	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	17	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	3	n	n	30	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	**	n	n	n	7	n	n	n	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	n	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 5. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 15 days. Oilspill trajectories initiated on January 1.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	**	n
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n
Major Whale Migr. B	n	n	**	n	n
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	3	n	n	n	n
Seabird Area 6	n	n	n	**	n
Whaling (Wainwright)	n	n	n	n	n
Whaling (Kaktovik)	**	**	n	n	10
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	n	n	n	n
Sea Segment 5	n	n	n	n	n
Sea Segment 6	n	n	n	n	n
Sea Segment 7	n	n	n	n	n
Sea Segment 8	n	n	n	n	n
Sea Segment 9	n	n	n	n	n
Sea Segment 10	n	10	n	n	n
Sea Segment 11	n	7	n	n	13
Sea Segment 12	n	n	n	n	7
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 6. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days. Oilspill trajectory simulations initiated on January 1.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	**	n	17	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	13	n	**	73	93	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. B	n	n	n	n	n	n	**	10	n	**	n	**	n	n	n	**	n	n	**	n	n	n	**	n	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	3	n	**	**	**	**	83	57	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	**
Sea Segment 1	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	7	n	77	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	83	n	37	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	**	13	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	23	n	n	20	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	3	n	n	60	n	n	3	n	n	n	n	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	**	n	n	n	17	n	n	n	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	10	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 6. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days. Oilspill trajectories initiated on January 1.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	**	n
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major whale Migr. A	n	n	n	n	n
Major Whale Migr. B	n	n	**	n	n
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	7	n	n	n	n
Seabird Area 6	n	n	n	**	n
Whaling (Wainwright)	n	n	n	n	n
Whaling (Kaktovik)	**	**	n	n	20
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	n	n	n	n
Sea Segment 5	n	n	n	n	n
Sea Segment 6	n	n	n	n	n
Sea Segment 7	n	n	n	n	n
Sea Segment 8	n	n	n	n	n
Sea Segment 9	n	3	n	n	n
Sea Segment 10	n	17	n	n	n
Sea Segment 11	n	7	n	n	37
Sea Segment 12	n	n	n	n	17
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 7. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during the winter season. Oilspill trajectory simulations initiated on January 1.

Target	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	3	n	10	n	n	7	n	n	23	97	n	17	93	n	n	n	n	n	n	97
Bowhead Feeding A	n	n	n	n	n	n	n	n	**	n	23	n	n	20	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	**	n	**	77	97	n	20	83	n	n	50	n	7	17	n	n	n	7	n	n	n	n
Major Whale Migr. B	n	n	n	n	n	n	**	33	n	**	60	**	n	60	n	**	80	7	**	n	93	n	**	67	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	17	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	3	n	**	**	**	**	90	93	n	23	93	n	n	53	n	17	23	n	n	n	10	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	**
Sea Segment 1	47	n	33	57	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	27	n	77	93	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	87	43	63	57	n	20	63	n	n	43	n	13	13	n	n	n	3	n	n	n	n
Sea Segment 4	n	n	n	n	n	13	**	80	n	17	80	n	n	47	n	n	17	n	n	n	13	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	27	n	n	90	n	n	63	n	3	43	n	n	n	27	n	n	3	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	3	n	n	97	n	n	70	7	n	n	47	n	n	7	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n	n	**	7	n	n	77	n	n	40	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	87	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 7. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during the winter season. Oilspill trajectories initiated on January 1.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	20	n	n	67	n
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	**	3
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n
Major Whale Migr. B	30	70	**	n	47
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	30	n	n	13	n
Seabird Area 6	n	n	n	**	n
Whaling (Wainwright)	n	n	n	n	n
Whaling (Kaktovik)	**	**	n	33	63
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	n	n	n	n
Sea Segment 5	n	n	n	n	n
Sea Segment 6	n	n	n	n	n
Sea Segment 7	10	n	n	n	n
Sea Segment 8	47	13	n	3	n
Sea Segment 9	13	67	n	7	63
Sea Segment 10	n	70	n	n	83
Sea Segment 11	n	20	n	n	87
Sea Segment 12	n	3	n	n	27
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 8. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 15 days. Oilspill trajectory simulations initiated on April 1.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	**	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	n	n	**	77	87	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. B	n	n	n	n	n	n	**	n	n	**	n	**	n	n	n	**	n	n	**	n	n	n	**	n	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	**	**	**	**	77	57	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	**
Sea Segment 1	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	90	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	70	n	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	**	n	n	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	n	10	n	n	n	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	7	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 8. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 15 days. Oilspill trajectories initiated on April 1.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	**	n
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n
Major Whale Migr. B	n	n	**	n	n
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	n	n	n	n	n
Seabird Area 6	n	n	n	**	n
Whaling (Wainwright)	n	n	n	n	n
Whaling (Kaktovik)	**	**	n	n	33
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	n	n	n	n
Sea Segment 5	n	n	n	n	n
Sea Segment 6	n	n	n	n	n
Sea Segment 7	n	n	n	n	n
Sea Segment 8	n	n	n	n	n
Sea Segment 9	n	n	n	n	n
Sea Segment 10	n	13	n	n	n
Sea Segment 11	n	n	n	n	47
Sea Segment 12	n	n	n	n	n
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 9. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days. Oilspill trajectory simulations initiated on April 1.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	**	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	27	n	**	83	**	n	50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. B	n	n	n	n	n	n	**	n	n	**	n	**	n	n	n	**	n	n	**	n	n	n	**	n	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	**	**	**	**	97	93	n	27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	**
Sea Segment 1	n	n	20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	97	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	97	n	70	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	**	n	n	63	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	n	47	n	n	n	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	27	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 9. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days. Oilspill trajectories initiated on April 1.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	**	n
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n
Major Whale Migr. B	n	n	**	n	n
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	n	n	n	n	n
Seabird Area 6	n	n	n	**	n
Whaling (Wainwright)	n	n	n	n	n
Whaling (Kaktovik)	**	**	n	7	47
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	n	n	n	n
Sea Segment 5	n	n	n	n	n
Sea Segment 6	n	n	n	n	n
Sea Segment 7	n	n	n	n	n
Sea Segment 8	n	n	n	n	n
Sea Segment 9	n	n	n	n	n
Sea Segment 10	n	30	n	n	n
Sea Segment 11	n	n	n	n	73
Sea Segment 12	n	n	n	n	n
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 10. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during the winter season. Oilspill trajectory simulations initiated on April 1.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	**	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	**	n	**	83	**	n	77	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n
Major Whale Migr. B	n	n	n	n	n	n	**	7	n	**	n	**	n	n	n	**	93	n	**	n	80	n	**	40	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	**	**	**	**	**	**	n	93	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	**
Sea Segment 1	13	n	87	53	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	97	87	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	97	n	97	67	n	77	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	**	63	n	83	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	63	n	n	n	10	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	93	n	n	n	37	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	n	97	n	n	23	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	93	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 10. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during the winter season. Oilspill trajectories initiated on April 1.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	n	n	n	30	n
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	**	n
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n
Major Whale Migr. B	n	60	**	n	33
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	n	n	n	20	n
Seabird Area 6	n	n	n	**	n
Whaling (Wainwright)	n	n	n	n	n
Whaling (Kaktovik)	**	**	n	93	70
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	n	n	n	n
Sea Segment 5	n	n	n	n	n
Sea Segment 6	n	n	n	n	n
Sea Segment 7	n	n	n	n	n
Sea Segment 8	n	10	n	n	n
Sea Segment 9	n	70	n	n	50
Sea Segment 10	n	67	n	3	80
Sea Segment 11	n	n	n	n	**
Sea Segment 12	n	n	n	n	n
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 11. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 15 days. Combination of all three trajectory sets. Spills launched during the winter season.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	**	n	14	n	13	n	3	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	19	n	**	72	90	1	9	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. B	n	n	n	n	n	n	**	1	n	**	1	**	n	1	n	**	n	n	**	n	n	n	**	n	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	1	n	**	**	**	**	75	56	20	5	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	**
Sea Segment 1	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	83	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	69	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	**	4	n	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	7	n	n	8	n	n	1	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	1	n	n	31	n	n	8	n	n	n	n	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	**	n	n	n	14	n	n	n	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	6	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 11. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 15 days. Combination of all three trajectory sets. Spills launched during the winter season.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	**	n
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n
Major Whale Migr. B	n	n	**	n	n
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	5	n	n	1	n
Seabird Area 6	n	n	n	**	n
Whaling (Wainwright)	n	n	n	n	n
Whaling (Kaktovik)	**	**	n	12	27
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	n	n	n	n
Sea Segment 5	n	n	n	n	n
Sea Segment 6	n	n	n	n	n
Sea Segment 7	n	n	n	n	n
Sea Segment 8	n	n	n	n	n
Sea Segment 9	n	n	n	n	n
Sea Segment 10	1	15	n	n	n
Sea Segment 11	n	3	n	n	30
Sea Segment 12	n	n	n	n	3
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 12. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days. Combination of all three trajectory sets. Spills launched during the winter season.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	**	n	19	n	20	1	11	n	n	3	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	36	n	**	80	96	5	36	9	n	1	2	n	n	1	n	n	n	n	n	n	n	n
Major Whale Migr. B	n	n	n	n	n	n	**	4	n	**	2	**	n	5	n	**	1	n	**	n	n	n	**	n	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	6	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	1	n	**	**	**	**	92	79	21	27	10	n	5	1	1	n	n	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	n	**
Sea Segment 1	n	n	19	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	3	n	89	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	90	n	54	1	n	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	**	11	1	36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	11	1	n	21	n	1	13	n	n	2	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	1	n	n	45	n	n	14	2	n	n	4	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	**	n	n	n	40	n	n	1	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	1	n	26	1
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 12. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days. Combination of all three trajectory sets. Spills launched during the winter season.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	**	1
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n
Major Whale Migr. B	n	n	**	n	n
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	6	n	n	9	n
Seabird Area 6	n	n	n	**	n
Whaling (Wainwright)	n	n	n	n	n
Whaling (Kaktovik)	**	**	n	21	42
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	n	n	n	n
Sea Segment 5	n	n	n	n	n
Sea Segment 6	n	n	n	n	n
Sea Segment 7	n	n	n	n	n
Sea Segment 8	1	n	n	n	n
Sea Segment 9	n	1	n	n	n
Sea Segment 10	1	26	n	n	2
Sea Segment 11	n	3	n	n	52
Sea Segment 12	n	n	n	n	7
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 13. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during the winter season. Combination of all three trajectory sets. Spills launched during the winter season.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	1	n	5	11	n	6	n	13	12	48	n	9	46	n	14	4	17	n	1	50
Bowhead Feeding A	n	n	n	n	n	n	n	n	**	n	22	n	21	13	20	n	6	11	n	4	1	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	**	n	**	81	99	11	54	54	n	9	41	12	6	24	11	n	6	12	1	1	1	n
Major Whale Migr. B	n	n	n	n	n	n	**	16	n	**	30	**	3	39	7	**	84	15	**	5	86	4	**	60	6
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	4	13	n	2	n	3	1	1	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	7	n	14	n	4	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	1	n	**	**	**	**	96	97	21	65	58	n	15	41	14	15	25	13	n	7	16	1	3	1	1
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	n	1	**
Sea Segment 1	25	n	61	52	n	8	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	11	n	89	84	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	91	18	76	53	3	49	33	n	4	31	8	12	15	9	n	4	12	1	1	1	1
Sea Segment 4	n	n	n	n	n	6	**	63	4	50	46	n	6	36	11	3	23	11	n	4	14	1	1	1	n
Sea Segment 5	n	n	n	n	n	n	n	12	1	n	51	n	4	46	10	1	60	13	n	6	25	1	n	6	1
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	1	n	n	60	1	n	32	12	n	5	47	2	n	13	4
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	**	4	n	2	85	4	n	44	9
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	**	3	n	90	10
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 13. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during the winter season.
Combination of all three trajectory sets.
Spills launched during the winter season.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	11	n	n	46	1
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	**	?
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n
Major Whale Migr. B	20	71	**	8	51
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	16	n	n	26	1
Seabird Area 6	n	n	n	**	n
Whaling (Wainwright)	n	1	n	n	n
Whaling (Kaktovik)	**	**	n	69	71
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	1	n	n	1
Sea Segment 5	1	1	n	n	n
Sea Segment 6	3	4	n	1	1
Sea Segment 7	13	9	n	4	4
Sea Segment 8	34	23	n	9	6
Sea Segment 9	8	59	1	7	55
Sea Segment 10	1	62	n	2	76
Sea Segment 11	n	8	n	n	85
Sea Segment 12	n	1	n	n	11
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 14. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment within 30 days. Oilspill trajectory simulations initiated on October 15.

Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
82	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
92	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 14. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment within 30 days. Oilspill trajectory simulations initiated on October 15.

Segment	Hypothetical Spill Location				
	P26	P27	P28	P29	P30

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

NO CONTACTS TO LAND SEGMENTS

Table 15. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment during the winter season. Oilspill trajectory simulations initiated on October 15.

Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
20	n	n	n	n	n	n	n	3	17	n	7	n	3	3	3	n	7	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	23	n	n	n	3	3	3	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	10	n	10	n	20	3	3	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	10	n	3	n	n	3	n	3	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	7	n	3	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	3	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	13	n	10	n	3	7	n	3	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	h	n	7	n	n	20	n	17	3	7	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3	n	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	3	n	n	n	n	n	n	n
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	3	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	27	10	27	n	3	7
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	30	n	3	7
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	n	n	10
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7
79	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n
80	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	10	n	3	n	13	n	n
81	n	10	n	n	n	n	n	n	3	10	7	73	n	17	10	47	17	13	70	13	17	n	57	17	n
82	n	50	n	n	3	3	20	3	13	37	30	27	20	33	20	43	37	27	17	17	33	n	23	10	3
83	n	37	n	n	63	7	40	23	7	33	23	n	17	23	20	n	30	n	n	n	17	n	7	n	n
84	n	n	n	n	n	n	3	n	n	n	n	n	n	3	n	n	n	n	3	n	n	n	n	n	n
85	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	3	n	n	n	n	n	n	n	n	n
88	n	n	n	n	20	n	20	17	7	3	10	n	3	n	3	n	3	10	n	n	n	n	n	n	n
89	n	n	3	10	10	27	17	37	13	13	10	n	n	10	n	n	3	n	n	n	3	n	n	n	n
90	n	n	40	20	3	60	n	13	3	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
91	23	n	53	57	n	3	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
92	77	3	3	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
93	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 15. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment during the winter season. Oilspill trajectory simulations initiated on October 15.

Segment	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
35	3	n	n	n	n
37	3	n	n	n	n
39	3	n	n	n	n
40	3	n	n	n	n
41	n	n	n	13	3
42	n	n	n	17	n
43	n	n	n	3	n
79	n	n	3	n	n
80	n	7	27	n	n
81	n	23	37	n	3
82	n	3	17	n	n
88	n	n	3	n	n

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

Table 16. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment during the winter season. Oilspill trajectory simulations initiated on January 1.

Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
20	n	n	n	n	n	3	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	17	n	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	97	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	93	n	n	n	n	n	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	97
79	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	n	7	n	n	n	n	n	n
80	n	n	n	n	n	n	n	n	n	n	n	30	n	n	n	7	n	n	13	n	n	n	37	n	n
81	n	13	n	n	17	7	23	10	n	33	10	60	n	20	n	50	3	n	67	n	10	n	53	n	n
82	n	77	n	n	57	10	47	37	n	57	50	n	n	13	n	30	3	n	7	n	n	n	n	n	n
83	n	10	n	3	13	20	27	30	n	3	n	n	n	3	n	3	n	n	3	n	n	n	n	n	n
84	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	3	n	n	3	n	n	n	n	n	n
85	n	n	n	n	3	n	3	n	n	n	n	3	n	n	n	3	n	n	n	n	n	n	n	n	n
86	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
87	n	n	n	n	n	3	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
88	n	n	7	3	7	27	n	7	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n
89	7	n	50	10	3	23	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
90	23	n	40	30	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
91	47	n	n	23	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
92	23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
93	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
94	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 14. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment during the winter season. Oilspill trajectory simulations initiated on January 1.

Segment	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
40	7	n	n	n	n
41	13	n	n	n	n
43	n	n	n	37	n
44	n	n	n	30	n
79	n	n	13	n	n
80	n	n	13	n	n
81	n	n	7	n	n

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

Table 17. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment during the winter season. Oilspill trajectory simulations initiated on April 1.

Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
78	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n
79	n	n	n	n	n	n	n	n	n	n	n	13	n	n	n	n	n	n	47	n	n	n	3	n	n
80	n	n	n	n	n	n	n	n	n	n	n	57	n	n	n	20	n	n	40	n	n	n	37	n	n
81	n	10	n	n	n	n	13	3	n	43	n	27	n	n	n	37	n	n	3	n	n	n	7	n	n
82	n	87	n	n	53	n	73	27	n	33	n	3	n	n	n	n	n	n	3	n	n	n	n	n	n
83	n	3	n	n	43	n	7	13	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
86	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
87	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n
88	n	n	3	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
89	n	n	27	3	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
90	3	n	50	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
91	50	n	17	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
92	47	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 17. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment during the winter season. Oilspill trajectory simulations initiated on April 1.

Segment	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
42	n	n	n	27	n
49	n	n	n	3	n
81	n	n	3	n	n

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

Table 18. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment within 30 days. Combination of all three trajectory sets. Spills launched during the winter season.

Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
82	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
92	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 19. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment within 30 days. Combination of all three trajectory sets. Spills launched during the winter season.

Segment	Hypothetical Spill Location				
	P26	P27	P28	P29	P30

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

NO CONTACTS TO LAND SEGMENTS

Table 19. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment during the winter season. Combination of all three trajectory sets. Spills launched during the winter season.

Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
20	n	n	n	n	n	1	n	2	4	n	1	n	1	1	1	n	1	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	1	5	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	1	2	n	2	n	4	1	1	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	1	n	2	n	1	n	n	1	n	1	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	3	1	2	n	1	1	n	1	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	7	1	n	n	4	n	4	1	1	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	1	n	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	1	n	n	n	n	n	n	n
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	41	n	n	n	n	1	n	1	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	39	n	6	2	6	n	1	1
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	6	n	1	1
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	2
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	41
78	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n
79	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	1	n	n	20	n	n	n	1	n	n
80	n	n	n	n	n	n	n	n	n	n	n	34	n	n	n	11	n	n	22	n	1	n	32	n	n
81	n	11	n	n	7	3	15	5	1	32	6	51	n	12	2	44	5	3	44	3	8	n	37	4	n
82	n	75	n	n	44	5	51	26	3	44	27	7	4	13	4	22	9	6	8	4	7	n	5	2	1
83	n	13	n	1	35	10	22	22	1	11	5	n	4	6	4	1	6	n	1	n	4	n	1	n	n
84	n	n	n	n	n	n	1	n	n	1	n	n	n	1	n	1	n	n	2	n	n	n	n	n	n
85	n	n	n	n	1	n	1	n	n	n	n	1	n	1	n	2	n	n	n	n	n	n	n	n	n
86	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
87	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
88	n	n	4	1	7	11	5	6	1	1	5	n	1	n	1	n	1	2	n	n	n	n	n	n	n
89	3	n	32	8	4	15	4	10	3	3	2	n	n	2	n	n	1	n	n	n	1	n	n	n	n
90	11	n	44	22	1	14	n	3	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
91	43	n	17	24	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
92	43	1	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
93	n	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
94	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 19. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment during the winter season. Combination of all three trajectory sets. Spills launched during the winter season.

Segment	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
35	1	n	n	n	n
37	1	n	n	n	n
39	1	n	n	n	n
40	4	n	n	n	n
41	6	n	n	3	1
42	n	n	n	13	n
43	n	n	n	16	n
44	n	n	n	13	n
49	n	n	n	1	n
79	n	n	6	n	n
80	n	1	11	n	n
81	n	5	12	n	1
82	n	1	4	n	n
88	n	n	1	n	n

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

Table 20. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain target within 3 days.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	8	n	n	n	n	36	n	n	n	60	n	n	n	n	n	n	40	n	40	n	n	12
Bowhead Feeding A	n	n	n	n	n	n	n	32	**	n	76	n	16	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	64	8	**	76	60	n	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. B	n	n	n	n	8	n	**	n	n	**	12	**	n	4	n	**	n	n	**	n	n	n	**	n	n
Seabird Area 1	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	8	n	n	28	n	4	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	43	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	40	n	n	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	8	n	**	**	**	**	64	80	76	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n	**	n	12	**
Sea Segment 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	8	n	80	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	56	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	**	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	8	n	8	28	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	8	n	8	n	n	64	n	n	8	n	n	n	n	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n	n	**	n	n	n	56	n	n	n	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	**	n	n	24	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 21. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain target within 3 days.

Target	Hypothetical Spill Location																								
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
Land	n	n	n	32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	20	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	16	72	n
Bowhead Feeding B	n	n	n	**	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n	n	n	n	20	n	n
Major Whale Migr. B	n	n	**	n	n	n	n	n	n	n	n	n	n	n	n	**	**	**	**	12	n	56	n	n	**
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	68	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	36	n	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	**	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n	n	n	n	n	n	**	n	n
Whaling (Kaktovik)	**	**	n	48	24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 1	n	n	n	n	n	n	n	n	n	n	n	n	**	4	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	16	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	60	8	n	n	n	n
Sea Segment 10	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	**	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 27. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain target within 3 days.

Target	Hypothetical Spill Location									
	PS1	PS2	PS3	PS4	PS5	PS6	PS7	PS8	PS9	P60
Land	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. B	**	**	n	n	n	n	n	**	n	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n
Sea Segment 1	n	n	n	n	n	n	n	n	n	8
Sea Segment 2	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	12	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n
Sea Segment 10	n	n	n	n	n	n	28	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n

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

Table 21. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain target within 10 days.

Target	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	32	n	n	n	8	84	n	8	n	84	4	40	n	4	36	n	76	n	88	n	n	64
Bowhead Feeding A	n	n	n	n	n	n	n	44	**	n	76	n	16	12	8	n	4	4	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	80	16	**	80	88	4	32	32	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. B	n	n	n	n	8	n	**	4	n	**	16	**	n	56	n	**	20	n	**	n	12	n	**	n	n
Seabird Area 1	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	8	n	n	40	n	32	16	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	48	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n	80	n	8	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	16	n	**	**	**	**	80	92	88	20	56	n	4	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n	16	4	**	n	52	**
Sea Segment 1	32	n	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	12	n	92	20	n	28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	88	n	40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	8	n	**	28	n	44	20	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	8	n	32	44	n	n	44	4	n	8	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	8	n	8	n	n	88	8	n	52	4	n	n	8	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	16	n	n	**	n	n	n	64	n	n	8	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	4	n	n	**	n	n	44	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 21. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain target within 10 days.

Target	Hypothetical Spill Location																								
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
Land	52	n	n	80	8	n	n	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	48	48	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20	76	n
Bowhead Feeding B	8	8	n	**	24	n	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n	n	n	n	n	n	n	n	n	16	n	n	4	n	n	n	n	n	40	8	n
Major Whale Migr. B	n	n	**	n	n	n	n	n	n	n	n	n	n	n	n	**	**	**	**	40	16	84	n	4	**
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	72	12	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 4	8	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	40	4	n	12	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	8	4	n	**	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	n	n	n	n	n	n	n	n	n	16	n	n	n	n	n	n	n	n	n	n	**	28	n
Whaling (Kaktovik)	**	**	n	52	64	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 1	n	n	n	n	n	n	n	n	n	n	n	n	**	28	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	16	n	n
Sea Segment 3	n	n	n	n	n	n	n	n	n	n	n	24	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n
Sea Segment 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	40	n	4	n	n	n	n	12	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 8	n	24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 9	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	64	48	n	n	n	n
Sea Segment 10	n	16	n	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	28	n	n	n	n
Sea Segment 11	n	4	n	n	44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	4	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	**	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 21. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain target within 10 days.

Target	Hypothetical Spill Location									
	PS1	PS2	PS3	PS4	PS5	PS6	PS7	PS8	PS9	PS10
Land	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	n	20	n	n	n	n	n	n	n	n
Major Whale Migr. B	**	**	n	n	n	n	12	**	n	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	32	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n
Sea Segment 1	n	n	n	n	n	n	n	n	n	24
Sea Segment 2	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	40	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n
Sea Segment 9	n	n	n	n	n	n	24	n	n	n
Sea Segment 10	n	n	n	n	n	n	60	n	n	n
Sea Segment 11	n	n	n	n	n	n	4	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n

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

Table 22. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain target within 30 days.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	4	n	n	40	n	4	n	32	96	n	48	n	96	24	72	n	24	68	n	**	28	96	n	48	**
Bowhead Feeding A	n	n	n	n	n	4	n	44	**	n	88	n	16	40	8	4	20	20	n	n	8	n	n	4	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	**	n	**	80	20	**	92	96	4	56	48	n	n	32	12	8	24	8	n	n	4	n	n	4	n
Major Whale Migr. B	n	n	n	n	8	n	**	4	n	**	16	**	n	68	12	**	52	4	**	n	52	n	**	28	n
Seabird Area 1	n	n	n	12	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	8	n	n	48	n	48	16	n	20	n	n	4	n	n	n	n	n	n	4	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	16	n	8	52	n	n	8	n	n	8	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	12	n	84	n	24	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	4
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	16	n	**	**	**	**	92	**	88	68	84	4	8	28	8	4	28	12	n	n	8	n	n	4	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	4	12	n	20	12	**	n	72	**
Sea Segment 1	52	n	44	32	n	16	n	4	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	12	n	96	24	n	48	4	20	4	4	4	n	n	n	n	n	8	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	4	n	96	12	68	28	n	16	24	n	n	16	n	n	4	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	12	n	**	32	n	68	36	n	n	20	12	4	16	8	n	n	4	n	n	4	n
Sea Segment 5	n	n	n	n	n	n	4	8	n	36	44	n	n	64	12	8	44	8	n	n	12	n	n	8	n
Sea Segment 6	n	n	n	n	n	n	n	n	8	4	8	n	n	**	12	n	64	8	n	n	32	n	n	16	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	16	n	n	**	n	n	n	80	4	n	32	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	4	n	n	**	4	n	56	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 22. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain target within 30 days.

Target	Hypothetical Spill Location																							
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
Land	88	60	n	92	56	48	4	80	n	n	n	n	n	n	n	n	8	n	n	n	n	n	64	76	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	3	n	n	n	20	80	n
Bowhead Feeding B	8	12	n	**	36	8	4	40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n	n	n	n	n	n	n	n	n	16	n	n	20	12	8	n	n	4	40	20	n
Major Whale Migr. B	n	20	**	n	8	8	8	n	n	n	n	n	n	n	n	**	**	**	**	81	60	**	n	8	**
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	76	20	n
Seabird Area 3	4	4	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n
Seabird Area 4	16	24	n	8	8	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	48	8	n	12	28	4	4	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	8	4	n	**	20	4	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	n	n	n	n	n	n	n	n	n	16	n	n	n	16	24	8	8	n	n	n	**	44	n
Whaling (Kaktovik)	**	**	n	52	80	12	8	20	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	n
Sea Segment 1	n	n	n	n	n	n	n	n	n	n	n	n	**	32	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	20	8	n
Sea Segment 3	n	n	n	n	n	n	n	n	n	n	n	24	n	n	4	8	12	n	n	n	n	n	8	4	n
Sea Segment 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	24	4	4	n	n	4	8	8	n
Sea Segment 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	52	4	16	n	n	n	n	12	n
Sea Segment 6	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	12	n	4	8	n	n	n
Sea Segment 7	4	12	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	4	8	8	4	n	n	n
Sea Segment 8	4	44	n	8	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	n
Sea Segment 9	n	16	8	n	8	n	n	4	n	n	n	n	n	n	n	n	n	n	n	64	84	n	n	n	n
Sea Segment 10	n	16	n	n	24	n	8	4	n	n	n	n	n	n	n	n	n	n	n	4	28	n	n	n	n
Sea Segment 11	n	4	n	n	48	12	28	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	4	36	48	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	4	20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	**	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 22. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain target within 30 days.

Target	Hypothetical Spill Location									
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60
Land	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding A	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	8	44	n	n	n	n	n	n	n	4
Major Whale Migr. B	**	**	n	n	n	n	48	**	n	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	8	56	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	12	n	n	n
Sea Segment 1	n	n	n	n	n	n	n	n	n	24
Sea Segment 2	n	8	n	n	n	n	n	n	n	n
Sea Segment 3	n	28	n	n	n	n	n	n	n	n
Sea Segment 4	4	56	n	n	n	n	n	n	n	n
Sea Segment 5	n	4	n	n	n	n	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	8	n	n	n
Sea Segment 8	n	n	n	n	n	n	8	n	n	n
Sea Segment 9	n	n	n	n	n	n	72	n	n	n
Sea Segment 10	n	n	n	n	n	n	68	n	n	n
Sea Segment 11	n	n	n	n	n	n	8	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n

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

Table 23. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain land or boundary segment within 3 days.

Segment	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
19	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	36	n	n	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	20	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	28	n	n	n	n	n
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n	n	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	40	n	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12

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

Table 23. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain land or boundary segment within 3 days.

Segment	Hypothetical Spill Location																								
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	16	n
42	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	n	n	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
44	n	n	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 24. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain land or boundary segment within 10 days.

Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
15	n	n	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	4	20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	56	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	4	n	4	n	n	n	4	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	4	n	8	n	n	n	n	4	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	40	4	16	n	n	16	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	24	n	12	n	4	4	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	8	n	4	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	4	n	52	n	n	n	n	n
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	16	n	8	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	80	n	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	64

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

Table 24. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain land or boundary segment within 10 days.

Segment	Hypothetical Spill Location																								
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	36	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	32	n
34	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
38	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
44	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
42	4	n	n	20	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	n	n	n	24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
44	4	n	n	20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
45	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
46	n	n	n	4	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
47	n	n	n	8	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 25. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain land or boundary segment within 30 days.

Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
15	4	n	n	16	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	8	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	12	20	n	8	n	4	4	n	n	n	n	n	n	4	n	n	n	n
22	n	n	n	n	n	4	n	n	4	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	60	n	16	n	4	n	n	n	n	4	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	4	n	4	n	n	n	4	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	8	n	8	4	n	n	n	4	n	n	4	n	n	n	n
27	n	n	n	n	n	n	n	4	8	n	4	n	40	12	16	n	8	20	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	32	n	24	n	8	4	n	n	n	n	n	4	n
29	n	n	n	n	n	n	n	n	n	n	n	n	8	n	12	n	n	n	n	n	n	n	n	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	16	n	n	4	n	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	8	n	n	8	n	n	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	12	n	64	8	n	n	16	n
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	20	n	8	n	12	n
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	8	n
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	8	n	84	n	8	n
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	4	n	n	8
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	84
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4
81	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
82	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 25. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain land or boundary segment within 30 days.

Segment	Hypothetical Spill Location																								
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	12	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	40	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	8	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	8	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	40	n
34	8	4	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	8	8	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
36	n	12	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	8	12	n	4	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
38	4	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	20	8	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40	20	4	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
42	4	8	n	24	20	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	n	n	n	24	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
44	4	n	n	20	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
45	n	4	n	4	8	12	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
46	n	n	n	4	n	8	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
47	n	n	n	8	n	12	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	n	n	n	n	n	4	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	n	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
50	n	n	n	n	n	n	4	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
79	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n
80	n	n	n	n	n	n	n	n	4	12	16	n	n	n	8	n	n	n	n	n	n	n	n	n	n
81	n	n	n	n	n	n	n	n	28	40	4	8	n	n	n	n	n	n	n	n	n	n	n	n	n
82	n	n	n	n	n	n	n	n	28	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
83	n	n	n	n	n	n	n	n	4	n	n	n	8	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 25. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the summer season) will contact a certain land or boundary segment within 30 days.

Segment	Hypothetical Spill Location									
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60
79	n	n	4	4	n	n	n	n	n	n
80	n	n	4	8	n	16	n	n	n	n
81	n	n	n	n	n	28	n	n	4	n
82	n	n	n	n	4	n	n	n	20	n
83	n	n	n	n	8	n	n	n	8	n
84	n	n	n	n	n	n	n	n	n	4
86	n	n	n	n	n	n	n	n	n	8
87	n	n	n	n	n	n	n	n	n	8
88	n	n	n	n	n	n	n	n	n	4
89	n	n	n	n	n	n	n	n	n	4

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

Table 26. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the winter season) will contact a certain target within 3 days after ice breakup.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	n	n	n	1	n	n	n	2	1	2	n	n	1	n	1	1	4	n	n	8
Bowhead Feeding A	n	n	n	n	n	n	n	n	1	n	1	n	6	6	5	n	2	5	n	1	1	1	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	n	n	n	9	n	1	n	3	6	n	4	n	3	4	1	n	5	1	n	1	2	n	n	2	n
Major Whale Migr. B	n	n	n	n	n	n	n	3	n	n	n	n	n	5	n	n	43	4	n	n	59	1	5	49	2
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	1	n	n	n	2	6	n	2	n	4	1	2	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	13	n	1	1	2	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	n	9	n	1	n	8	11	n	7	n	10	4	5	n	8	3	n	1	3	n	n	1	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	47
Sea Segment 1	n	n	1	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n	2	1	n	n	1	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	4	n	n	n	4	n	n	3	n
Sea Segment 5	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	3	1	n	n	3	n	n	1	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	6	1	n	1	2	1	n	1	1
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	2	n	n	3	2	n	14	6
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	23	3
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 26. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the winter season) will contact a certain target within 3 days after ice breakup.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	1	n	n	15	n
Bowhead Feeding A	1	n	n	n	n
Bowhead Feeding B	n	n	n	48	1
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	1	n	n	n
Major Whale Migr. B	14	55	43	7	29
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	3	1	n	11	n
Seabird Area 6	n	n	n	48	1
Whaling (Wainwright)	n	1	n	n	n
Whaling (Kaktovik)	14	3	n	57	3
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	1	n	n	n
Sea Segment 5	n	n	n	n	n
Sea Segment 6	1	1	n	1	n
Sea Segment 7	11	1	n	2	1
Sea Segment 8	17	3	n	3	1
Sea Segment 9	1	8	n	3	15
Sea Segment 10	n	1	n	2	3
Sea Segment 11	n	n	n	1	n
Sea Segment 12	n	n	n	n	n
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 27. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the winter season) will contact a certain target within 10 days after ice breakup.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	1	n	n	n	1	3	n	1	n	6	3	21	n	1	16	n	5	2	9	n	1	33
Bowhead Feeding A	n	n	n	n	n	n	n	1	1	n	2	n	6	7	9	n	3	7	n	4	1	2	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	n	n	n	10	n	1	n	4	7	n	5	n	4	6	2	n	13	2	n	1	8	n	n	3	n
Major Whale Migr. B	n	n	n	n	n	n	n	3	n	n	n	n	n	6	n	n	48	5	n	1	62	2	5	56	4
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	1	n	1	n	3	7	n	3	n	5	2	2	n	1	1	n	1	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	14	n	1	1	2	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	3
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	n	9	n	1	n	9	11	n	7	n	12	9	6	n	17	5	n	2	9	n	n	3	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	2	n	2	47
Sea Segment 1	n	n	1	21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	n	6	n	n	n	1	2	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	n	n	n	4	n	n	1	n	n	2	n	n	6	1	n	n	3	n	n	1	n
Sea Segment 4	n	n	n	n	n	n	n	1	1	n	1	n	1	4	n	n	15	1	n	n	11	n	1	4	n
Sea Segment 5	n	n	n	n	n	n	n	n	n	n	n	n	1	3	2	n	14	4	n	2	10	1	n	4	1
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	n	2	4	n	9	4	n	2	5	2	n	7	3
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	2	n	n	4	2	n	21	7
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	3	n	n	24	4
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 27. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the winter season) will contact a certain target within 10 days after ice breakup.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Land	7	1	n	46	1
Bowhead Feeding A	1	n	n	n	n
Bowhead Feeding B	1	n	n	51	1
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	1	n	n	n
Major Whale Migr. B	19	65	43	9	43
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	2	1	n	2	n
Seabird Area 5	4	1	n	12	1
Seabird Area 6	1	n	n	50	1
Whaling (Wainwright)	n	2	n	n	n
Whaling (Kaktovik)	19	5	n	60	5
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	1	n	n	n
Sea Segment 4	n	1	n	n	n
Sea Segment 5	2	1	n	1	n
Sea Segment 6	5	2	n	1	n
Sea Segment 7	16	2	n	3	1
Sea Segment 8	19	5	n	8	2
Sea Segment 9	2	10	n	4	27
Sea Segment 10	n	1	n	3	12
Sea Segment 11	n	n	n	1	1
Sea Segment 12	n	n	n	n	n
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 28. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the winter season) will contact a certain target within 30 days after ice breakup.

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	1	n	n	n	2	4	n	2	n	8	6	36	n	5	31	n	9	5	14	n	10	53
Bowhead Feeding A	n	n	n	n	n	n	n	1	1	n	2	n	7	8	9	n	6	12	n	5	5	3	n	5	2
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	n	n	n	11	n	1	n	5	7	n	5	n	4	8	8	n	25	8	n	3	18	2	1	11	2
Major Whale Migr. B	n	n	n	n	n	n	n	3	n	n	n	n	n	6	5	n	50	9	n	2	64	3	5	69	7
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	1	n	1	n	3	7	n	4	n	6	3	3	n	2	2	n	1	1	n	n	1	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	16	n	2	1	3	n	3	1
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	1	n	1	3
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	n	9	n	1	n	10	11	n	8	n	12	12	10	n	34	12	n	4	23	2	1	13	3
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	4	n	1	1	2	n	5	48
Sea Segment 1	n	n	1	24	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	n	7	n	1	n	2	4	n	2	n	2	1	1	n	3	1	n	n	1	n	n	1	n
Sea Segment 3	n	n	n	n	n	n	n	5	1	n	2	n	1	4	1	n	16	3	n	1	10	n	1	4	1
Sea Segment 4	n	n	n	n	n	n	n	2	1	n	1	n	1	6	6	n	25	6	n	2	20	1	1	10	2
Sea Segment 5	n	n	n	n	n	n	n	n	n	n	n	n	1	4	6	n	18	8	n	3	16	2	n	12	4
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	2	5	n	11	6	n	3	9	3	n	16	5	
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	2	n	n	5	2	n	26	8	
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	3	n	n	24	4	
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 28. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the winter season) will contact a certain target within 30 days after ice breakup.

Target	Hypothetical Soill Location				
	P26	P27	P28	P29	P30
Land	22	5	n	71	4
Bowhead Feeding A	4	2	n	1	1
Bowhead Feeding B	1	n	n	52	1
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	4	6	1	1	2
Major Whale Migr. B	31	77	43	17	67
Seabird Area 1	n	n	n	n	n
Seabird Area 2	1	n	n	n	n
Seabird Area 3	3	1	n	2	n
Seabird Area 4	5	2	n	11	1
Seabird Area 5	5	1	n	14	1
Seabird Area 6	1	n	n	50	1
Whaling (Wainwright)	5	6	2	1	2
Whaling (Kaktovik)	22	7	n	60	8
Sea Segment 1	n	n	n	n	n
Sea Segment 2	1	n	n	n	n
Sea Segment 3	1	2	n	n	n
Sea Segment 4	3	4	n	1	1
Sea Segment 5	7	5	n	2	2
Sea Segment 6	12	5	n	4	3
Sea Segment 7	22	6	n	7	7
Sea Segment 8	21	6	n	17	5
Sea Segment 9	2	11	n	6	39
Sea Segment 10	n	2	n	4	14
Sea Segment 11	n	n	n	1	1
Sea Segment 12	n	n	n	n	n
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 29. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the winter season) will contact a certain land or boundary segment within 3 days after ice breakup.

Segment	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
21	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	1	n	n	n	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	1
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5

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

Table 29. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the winter season) will contact a certain land or boundary segment within 3 days after ice breakup.

Segment	Hypothetical Spill Location				
	P26	P27	P28	P29	P31
42	n	n	n	4	n
43	n	n	n	6	n
44	n	n	n	6	n

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

Table 30. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the winter season) will contact a certain land or boundary segment within 10 days after ice breakup.

Segment	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
21	n	n	n	n	n	n	n	1	2	n	1	n	3	1	1	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	2	n	2	n	n	1	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	1	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	1	7	n	n	7	n	2	1	2	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	2	n	1	n	1	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	1	n	1	n	4	n	n	2
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	3
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	28

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

Table 39. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the winter season) will contact a certain land or boundary segment within 10 days after ice breakup.

Segment	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
34	n	n	n	1	n
37	1	n	n	1	n
38	n	n	n	1	n
39	2	n	n	1	n
40	1	n	n	2	n
41	1	n	n	1	n
42	n	n	n	10	n
43	n	n	n	12	n
44	n	n	n	10	n
45	n	n	n	2	n
46	n	n	n	2	n
47	n	n	n	4	n

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

Table 31. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the winter season) will contact a certain land or boundary segment within 30 days after ice breakup.

Segment	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
20	n	n	n	n	n	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	1	3	n	1	n	3	1	2	n	1	1	n	n	1	n	n	1	n
22	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	3	1	2	n	n	2	n	1	n	n	n	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	1	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	2	n	1	n	n	n	1	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	2	8	n	1	9	n	3	1	2	n	1	1
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n	n	4	n	1	n	1	n	1	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	1	n	n	n	n	n	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	1	n	1	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	3	n	n	n	n	n	2	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	4	n	1	n	5	n	2	3
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	1
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	1	n	n	3
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	37
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
80	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n	1	n	n	n	1	n	2	1	n
81	n	n	n	n	n	n	n	4	n	n	3	n	n	1	n	n	2	n	n	1	1	n	1	n	n
82	n	n	n	n	n	n	n	4	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
83	n	n	n	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 31. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location (during the winter season) will contact a certain land or boundary segment within 30 days after ice breakup.

Segment	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
21	1	n	n	n	n
26	1	n	n	n	n
27	1	n	n	n	n
28	1	n	n	n	n
32	1	n	n	n	n
33	1	n	n	n	n
34	3	1	n	2	1
35	2	1	n	3	1
36	1	1	n	3	n
37	2	1	n	5	1
38	1	n	n	2	n
39	4	n	n	4	n
40	2	n	n	4	n
41	1	n	n	2	n
42	n	n	n	14	1
43	n	n	n	12	n
44	n	n	n	10	n
45	n	n	n	3	n
46	n	n	n	2	n
47	n	n	n	4	n
79	n	n	1	n	n
80	n	n	1	n	n
81	n	n	n	n	1

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

Table 32. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days. Targets contacted during the open-water season (approx. mid-July through September).

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	2	n	n	n	n	8	n	n	n	14	1	1	n	n	1	n	2	n	11	n	n	9
Bowhead Feeding A	n	n	n	n	n	n	n	7	22	n	17	n	8	5	4	n	1	4	n	3	n	1	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	21	n	21	20	2	22	16	15	5	n	5	n	2	3	1	n	4	1	n	n	2	n	n	1	n
Major Whale Migr. B	n	n	n	n	2	n	21	2	n	21	3	21	n	5	n	21	34	3	21	n	47	1	25	39	2
Seabird Area 1	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	2	n	n	6	n	3	5	n	2	n	3	1	1	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	20	n	1	1	2	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	1
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	2	n	21	28	21	22	13	23	25	n	6	n	8	3	4	n	7	2	n	n	3	n	n	1	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	21	n	3	58
Sea Segment 1	n	n	1	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	2	n	17	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	12	n	n	1	n	n	1	n	n	n	n	n	2	1	n	n	1	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	21	2	n	n	n	n	n	2	n	n	3	n	n	n	3	n	n	2	n
Sea Segment 5	n	n	n	n	n	n	n	2	n	2	6	n	n	1	n	n	3	1	n	n	2	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	2	n	2	n	n	14	n	n	6	1	n	1	2	1	n	1	1
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	24	1	n	n	10	1	n	11	5
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	23	n	n	23	3
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 32. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days. Targets contacted during the open-water season (approx. mid-July through September).

Target	Hypothetical Spill Location							
	P26	P27	P28	P29	P30	P31	P32	P33
Land	n	n	n	19	n	n	n	n
Bowhead Feeding A	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	59	1	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n	n	n	n
Major Whale Migr. B	11	43	55	5	23	n	n	n
Seabird Area 1	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n
Seabird Area 5	10	n	n	11	n	n	n	n
Seabird Area 6	n	n	n	59	1	n	n	n
Whaling (Wainwright)	n	1	n	n	n	n	n	n
Whaling (Kaktovik)	32	23	n	55	7	n	n	n
Sea Segment 1	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	n	n	n	n
Sea Segment 4	n	1	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	n
Sea Segment 6	1	1	n	n	n	n	n	n
Sea Segment 7	9	1	n	1	1	n	n	n
Sea Segment 8	13	3	n	3	1	n	n	n
Sea Segment 9	1	6	n	2	12	n	n	n
Sea Segment 10	n	3	n	2	2	n	n	n
Sea Segment 11	n	n	n	n	9	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	21	n

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

Table 33. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days. Targets contacted during the open-water season (approx. mid-July through September).

Target	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	7	n	n	n	3	20	n	3	n	23	3	25	n	1	20	n	29	1	25	n	n	40
Bowhead Feeding A	n	n	n	n	n	n	n	10	22	n	17	n	8	8	8	n	3	6	n	3	1	1	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	21	n	21	25	3	22	17	22	7	7	11	n	3	4	2	n	11	2	n	1	6	n	n	3	n
Major Whale Migr. B	n	n	n	n	2	n	21	3	n	21	4	21	n	16	n	21	42	4	21	1	51	1	25	44	3
Seabird Area 1	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	2	n	n	9	n	9	8	n	5	n	4	2	2	n	1	1	n	1	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	21	n	1	1	2	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	17	n	2	2
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	3	n	21	28	21	22	17	26	27	4	18	n	10	7	5	n	13	4	n	2	7	n	n	3	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	4	1	22	n	13	58
Sea Segment 1	7	n	4	17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	2	n	19	9	n	6	n	1	2	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	18	n	8	3	n	n	1	n	n	1	n	n	4	1	n	n	2	n	n	1	n
Sea Segment 4	n	n	n	n	2	n	21	7	n	9	5	n	1	3	n	n	12	1	n	n	9	n	n	4	n
Sea Segment 5	n	n	n	n	n	n	n	2	n	7	9	n	n	12	3	n	12	3	n	1	8	1	n	3	1
Sea Segment 6	n	n	n	n	n	n	n	n	2	n	2	n	n	20	5	n	18	4	n	2	5	2	n	5	3
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	24	1	n	n	16	1	n	18	5
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	2	n	n	23	n	n	28	3
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 33. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 1) days. Targets contacted during the open-water season (approx. mid-July through September).

Target	Hypothetical Spill Location							
	P26	P27	P28	P29	P30	P31	P32	P33
Land	16	1	n	53	2	n	n	3
Bowhead Feeding A	1	n	n	n	n	n	n	n
Bowhead Feeding B	2	2	n	61	6	n	n	2
Beluga Conc. A	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n
Major Whale Migr. A	n	1	n	n	n	n	n	n
Major Whale Migr. B	15	52	55	7	34	n	n	n
Seabird Area 1	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n
Seabird Area 4	3	1	n	2	n	n	n	n
Seabird Area 5	11	1	n	12	2	n	n	n
Seabird Area 6	2	1	n	60	2	n	n	n
Whaling (Wainwright)	n	1	n	n	n	n	n	n
Whaling (Kaktovik)	36	25	n	58	17	n	n	1
Sea Segment 1	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	n	n	n	n	n	n
Sea Segment 3	n	1	n	n	n	n	n	n
Sea Segment 4	n	1	n	n	n	n	n	n
Sea Segment 5	1	1	n	1	n	n	n	n
Sea Segment 6	4	1	n	1	n	n	n	n
Sea Segment 7	13	2	n	2	1	n	n	n
Sea Segment 8	15	9	n	6	1	n	n	n
Sea Segment 9	2	9	n	3	21	n	n	n
Sea Segment 10	n	4	n	3	12	n	n	n
Sea Segment 11	n	1	n	1	10	n	n	n
Sea Segment 12	n	n	n	n	1	2	n	n
Sea Segment 13	n	n	n	n	n	n	2	n
Sea Segment 14	n	n	n	n	n	n	21	n

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

Table 34. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days. Targets contacted during the open-water season (approx. mid-July through September).

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	1	n	n	9	n	1	n	8	23	n	12	n	27	10	44	n	9	32	n	28	10	31	n	18	63
Bowhead Feeding A	n	n	n	n	n	1	n	10	22	n	20	n	9	15	8	1	9	14	n	4	5	3	n	5	1
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	21	n	21	25	4	22	19	24	7	12	14	n	4	13	8	2	25	9	n	2	15	1	1	10	2
Major Whale Migr. B	n	n	n	n	2	n	21	3	n	21	4	21	n	19	7	21	50	7	21	2	61	2	25	61	5
Seabird Area 1	n	n	n	3	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	2	n	n	11	n	12	9	n	7	n	5	3	2	n	2	1	n	1	1	n	n	1	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n	2	23	n	1	3	2	n	4	1
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	3	n	18	n	5	2
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	3	n	21	28	21	22	19	29	27	14	24	1	11	15	10	1	33	12	n	3	20	2	1	11	2
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	5	n	5	3	22	n	19	59
Sea Segment 1	11	n	10	26	n	4	n	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	2	n	20	11	n	11	1	6	4	1	2	n	2	1	1	n	4	1	n	n	1	n	n	1	n
Sea Segment 3	n	n	1	n	20	3	14	10	1	3	7	n	1	7	1	n	13	2	n	1	8	n	1	3	n
Sea Segment 4	n	n	n	n	2	n	21	8	n	14	8	n	1	9	7	1	23	7	n	1	16	1	1	9	1
Sea Segment 5	n	n	n	n	n	n	1	2	n	7	9	n	n	16	7	2	24	8	n	2	15	2	n	11	3
Sea Segment 6	n	n	n	n	n	n	n	n	2	1	2	n	n	22	7	n	22	6	n	2	14	2	n	16	4
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	24	1	n	n	20	2	n	27	6
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	2	n	n	23	1	n	31	3
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 34. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days. Targets contacted during the open-water season (approx. mid-July through September).

Target	Hypothetical Spill Location							
	P26	P27	P28	P29	P30	P31	P32	P33
Land	36	17	n	75	15	10	1	17
Bowhead Feeding A	3	2	n	1	1	n	n	n
Bowhead Feeding B	2	3	n	62	9	2	1	8
Beluga Conc. A	n	n	n	n	n	n	n	1
Beluga Conc. B	n	n	n	n	n	n	n	n
Major Whale Migr. A	3	5	1	1	1	n	n	n
Major Whale Migr. B	25	66	55	13	55	2	2	n
Seabird Area 1	n	n	n	n	n	n	n	n
Seabird Area 2	1	n	n	n	n	n	n	n
Seabird Area 3	3	1	n	1	n	n	n	1
Seabird Area 4	7	6	n	10	3	n	n	1
Seabird Area 5	14	2	n	14	7	1	1	2
Seabird Area 6	2	1	n	61	5	1	n	2
Whaling (Wainwright)	4	5	1	1	1	n	n	n
Whaling (Kaktovik)	38	26	n	59	23	2	2	4
Sea Segment 1	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	n	n	n	n	n	n
Sea Segment 3	1	2	n	n	n	n	n	n
Sea Segment 4	2	4	n	1	1	n	n	n
Sea Segment 5	6	4	n	2	1	n	n	n
Sea Segment 6	9	6	n	3	2	n	n	n
Sea Segment 7	18	7	n	5	7	n	n	n
Sea Segment 8	17	14	n	15	5	n	n	n
Sea Segment 9	2	12	2	5	32	n	n	1
Sea Segment 10	n	5	n	3	16	n	2	1
Sea Segment 11	n	1	n	1	11	2	6	1
Sea Segment 12	n	n	n	n	1	7	10	1
Sea Segment 13	n	n	n	n	n	1	4	n
Sea Segment 14	n	n	n	n	n	n	21	n

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

Table 35. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment within 3 days. Segments are contacted during the open-water season (approx. mid-July through September).

Segment	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
19	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	7	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	7	1	n	n	n	1	n	1	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	2	n	n	1
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	1	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	n	1
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7

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

Table 35. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment within 3 days. Segments are contacted during the open-water season (approx. mid-July through September).

Segment	Hypothetical Spill Location							
	P26	P27	P28	P29	P30	P31	P32	P33
42	n	n	n	5	n	n	n	n
43	n	n	n	7	n	n	n	n
44	n	n	n	7	n	n	n	n

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

Table 36. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment within 10 days. Segments are contacted during the open-water season (approx. mid-July through September).

Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
15	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	2	6	n	1	n	2	n	1	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	12	n	n	n	3	n	1	n	n	1	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	1	n	1	n	n	n	2	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	1	n	2	n	n	n	n	2	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	8	2	9	n	n	9	n	2	1	1	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	5	n	7	n	1	3	n	1	n	n	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	2	n	2	n	n	n	n	n	n	n	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	2	n	11	n	3	n	n	1
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	3	n	n	1
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	17	n	n	2
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	35

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

Table 36. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment within 10 days. Segments are contacted during the open-water season (approx. mid-July to September).

Segment	Hypothetical Spill Location							
	P26	P27	P28	P29	P30	P31	P32	P33
34	1	n	n	n	n	n	n	n
37	2	n	n	n	n	n	n	n
38	1	n	n	n	n	n	n	n
39	3	n	n	1	n	n	n	n
40	4	n	n	2	n	n	n	n
41	2	n	n	1	n	n	n	n
42	1	n	n	12	2	n	n	n
43	n	n	n	14	n	n	n	n
44	1	n	n	12	n	n	n	n
45	n	n	n	2	n	n	n	n
46	n	n	n	2	n	n	n	1
47	n	n	n	5	n	n	n	1
48	n	n	n	n	n	n	n	1
49	n	n	n	n	n	n	n	1

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

Table 37. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment within 30 days. Segments are contacted during the open-water season (approx. mid-July to September).

Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
15	1	n	n	4	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	3	6	n	3	n	3	2	1	n	1	n	n	n	1	n	n	1	n
22	n	n	n	n	n	1	n	n	1	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	13	n	3	n	3	1	2	n	n	2	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	1	n	1	n	n	n	2	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	2	n	2	1	n	n	n	2	n	n	1	n	n	1	n
27	n	n	n	n	n	n	n	1	2	n	1	n	9	4	9	n	3	11	n	2	1	2	n	1	n
28	n	n	n	n	n	n	n	n	n	n	n	n	7	n	13	n	2	4	n	1	n	1	n	1	n
29	n	n	n	n	n	n	n	n	n	n	n	n	2	n	7	n	n	1	n	n	n	n	n	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	7	n	n	1	1	n	1	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	4	n	n	2	n	n	1	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	6	n	14	2	4	n	5	2
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	4	n	3	n	3	1
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	2	n
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	2	n	18	n	2	2
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	5
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	46
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
80	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n	1	n	n	n	n	n	1	1	n
81	n	2	n	n	n	n	n	3	n	n	3	n	n	1	n	n	2	n	n	n	1	n	1	n	n
82	n	1	n	n	n	n	n	3	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
83	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 37. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land or boundary segment within 30 days. Segments are contacted during the open-water season (approx. mid-July to September).

Segment	Hypothetical Spill Location							
	P26	P27	P28	P29	P30	P31	P32	P33
21	1	n	n	n	n	n	n	n
26	1	n	n	n	n	n	n	n
28	1	n	n	n	n	n	n	n
32	1	n	n	n	n	n	n	n
33	1	n	n	n	n	n	n	n
34	4	2	n	2	n	n	n	1
35	3	2	n	2	1	n	n	n
36	1	3	n	2	2	n	n	n
37	3	3	n	5	1	n	n	n
38	1	n	n	3	n	n	n	n
39	7	2	n	3	1	n	n	n
40	6	1	n	3	1	n	n	n
41	3	n	n	1	n	n	n	n
42	1	2	n	16	5	1	n	n
43	n	n	n	14	n	n	n	2
44	1	n	n	12	1	n	n	n
45	n	1	n	3	2	2	n	2
46	n	n	n	2	n	2	n	2
47	n	n	n	5	n	2	n	2
48	n	n	n	n	n	1	n	2
49	n	n	n	n	n	n	n	2
50	n	n	n	n	n	n	1	2
51	n	n	n	n	n	2	n	n
79	n	n	1	n	n	n	n	n
80	n	n	1	n	n	n	n	n

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

Table 38. -- 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 vs. east deletion alternative vs. west deletion alternative. Probabilities are for spills 1,000 barrels and greater.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop.		east del.		west del.		prop.		east del.		west del.		prop.		east del.		west del.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	24	0.3	15	0.2	22	0.2	66	1.1	48	0.7	63	1.0	84	1.6	67	1.1	82	1.7
Bowhead Feeding A	24	0.3	20	0.2	20	0.2	30	0.4	26	0.3	26	0.3	38	0.5	31	0.4	34	0.4
Bowhead Feeding B	13	0.1	n	0.0	13	0.1	15	0.2	n	0.0	15	0.2	15	0.2	n	0.0	15	0.2
Beluga Conc. A	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Beluga Conc. B	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Major Whale Migr. A	35	0.4	31	0.4	10	0.1	42	0.6	37	0.5	17	0.2	55	0.8	48	0.7	33	0.4
Major Whale Migr. B	43	0.6	27	0.3	38	0.5	50	0.7	32	0.4	46	0.6	63	1.0	42	0.5	59	0.9
Seabird Area 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0
Seabird Area 2	9	0.1	7	0.1	6	0.1	14	0.1	12	0.1	10	0.1	17	0.2	15	0.2	13	0.1
Seabird Area 3	11	0.1	9	0.1	10	0.1	13	0.1	11	0.1	13	0.1	21	0.2	17	0.2	20	0.2
Seabird Area 4	4	0.0	2	0.0	4	0.0	10	0.1	4	0.0	10	0.1	17	0.2	7	0.1	17	0.2
Seabird Area 5	6	0.1	n	0.0	6	0.1	8	0.1	n	0.0	8	0.1	10	0.1	1	0.0	10	0.1
Seabird Area 6	12	0.1	n	0.0	13	0.1	14	0.1	n	0.0	14	0.2	14	0.2	n	0.0	14	0.2
Whaling (Wainwright)	42	0.5	37	0.5	23	0.3	50	0.7	44	0.6	30	0.4	62	1.0	55	0.8	45	0.6
Whaling (Kaktovik)	48	0.6	15	0.2	48	0.7	52	0.7	18	0.2	52	0.7	55	0.8	21	0.2	56	0.8
Sea Segment 1	3	0.0	2	0.0	n	0.0	8	0.1	7	0.1	n	0.0	16	0.2	13	0.1	1	0.0
Sea Segment 2	8	0.1	7	0.1	n	0.0	13	0.1	11	0.1	2	0.0	19	0.2	16	0.2	6	0.1
Sea Segment 3	3	0.0	3	0.0	2	0.0	8	0.1	7	0.1	4	0.0	20	0.2	16	0.2	13	0.1
Sea Segment 4	7	0.1	6	0.1	3	0.0	15	0.2	13	0.1	9	0.1	31	0.4	26	0.3	25	0.3
Sea Segment 5	5	0.0	4	0.0	4	0.0	16	0.2	13	0.1	14	0.2	30	0.4	23	0.3	28	0.3
Sea Segment 6	8	0.1	6	0.1	8	0.1	20	0.2	15	0.2	20	0.2	30	0.4	22	0.2	29	0.3
Sea Segment 7	15	0.2	9	0.1	16	0.2	20	0.2	12	0.1	20	0.2	26	0.3	14	0.2	26	0.3
Sea Segment 8	16	0.2	9	0.1	16	0.2	20	0.2	11	0.1	20	0.2	24	0.3	11	0.1	24	0.3
Sea Segment 9	4	0.0	n	0.0	4	0.0	7	0.1	n	0.0	7	0.1	10	0.1	n	0.0	10	0.1
Sea Segment 10	1	0.0	n	0.0	1	0.0	3	0.0	n	0.0	3	0.0	4	0.0	n	0.0	4	0.0
Sea Segment 11	2	0.0	n	0.0	2	0.0	2	0.0	n	0.0	2	0.0	2	0.0	n	0.0	2	0.0
Sea Segment 12	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 13	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 14	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table 39. -- 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 vs. proposed and existing leases vs. proposed, existing, and Canadian tankering. Probabilities are for spills 1,000 barrels and greater.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	24	0.3	54	0.8	54	0.8	66	1.1	94	2.8	95	3.0	84	1.8	99	4.6	**	5.7
Bowhead Feeding A	24	0.3	51	0.7	51	0.7	30	0.4	62	1.0	62	1.0	38	0.5	71	1.2	71	1.2
Bowhead Feeding B	13	0.1	13	0.1	13	0.1	15	0.2	15	0.2	23	0.3	15	0.2	15	0.2	46	0.6
Beluga Conc. A	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	3	0.0
Beluga Conc. B	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Major Whale Migr. A	35	0.4	44	0.6	45	0.6	42	0.6	57	0.9	59	0.9	55	0.8	78	1.5	79	1.6
Major Whale Migr. B	43	0.6	60	0.9	63	1.0	50	0.7	69	1.2	72	1.3	63	1.0	83	1.8	87	2.0
Seabird Area 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Seabird Area 2	9	0.1	18	0.2	18	0.2	14	0.1	28	0.3	28	0.3	17	0.2	34	0.4	34	0.4
Seabird Area 3	11	0.1	27	0.3	27	0.3	13	0.1	34	0.4	34	0.4	21	0.2	49	0.7	51	0.7
Seabird Area 4	4	0.0	17	0.2	17	0.2	10	0.1	35	0.4	35	0.4	17	0.2	45	0.6	47	0.6
Seabird Area 5	6	0.1	6	0.1	6	0.1	8	0.1	8	0.1	8	0.1	10	0.1	10	0.1	22	0.2
Seabird Area 6	12	0.1	12	0.1	12	0.1	14	0.1	14	0.1	14	0.2	14	0.2	14	0.2	25	0.3
Whaling (Wainwright)	42	0.5	59	0.9	60	0.9	50	0.7	72	1.3	73	1.3	62	1.0	87	2.0	87	2.1
Whaling (Kaktovik)	48	0.6	65	1.0	65	1.1	52	0.7	69	1.2	71	1.2	55	0.8	74	1.3	82	1.7
Sea Segment 1	3	0.0	3	0.0	3	0.0	8	0.1	8	0.1	9	0.1	16	0.2	17	0.2	18	0.2
Sea Segment 2	8	0.1	8	0.1	8	0.1	13	0.1	16	0.2	17	0.2	19	0.2	27	0.3	28	0.3
Sea Segment 3	3	0.0	6	0.1	6	0.1	8	0.1	13	0.1	14	0.2	20	0.2	37	0.5	38	0.5
Sea Segment 4	7	0.1	10	0.1	11	0.1	15	0.2	29	0.3	30	0.4	31	0.4	61	0.9	62	1.0
Sea Segment 5	5	0.0	13	0.1	14	0.1	16	0.2	39	0.5	40	0.5	30	0.4	61	0.9	62	1.0
Sea Segment 6	8	0.1	17	0.2	18	0.2	20	0.2	45	0.6	46	0.6	30	0.4	58	0.9	59	0.9
Sea Segment 7	15	0.2	34	0.4	35	0.4	20	0.2	37	0.5	39	0.5	26	0.3	43	0.6	45	0.6
Sea Segment 8	16	0.2	18	0.2	19	0.2	20	0.2	23	0.3	25	0.3	24	0.3	28	0.3	30	0.4
Sea Segment 9	4	0.0	4	0.0	5	0.0	7	0.1	7	0.1	8	0.1	10	0.1	10	0.1	14	0.2
Sea Segment 10	1	0.0	1	0.0	2	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0	14	0.2
Sea Segment 11	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	33	0.4
Sea Segment 12	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	10	0.1	n	0.0	n	0.0	53	0.8
Sea Segment 13	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	10	0.1	n	0.0	n	0.0	18	0.2
Sea Segment 14	n	0.0	n	0.0	57	0.8	n	0.0	n	0.0	57	0.8	n	0.0	n	0.0	57	0.8

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

Table 40. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting land or boundary segments over the expected production life of the lease area, proposed lease offering vs. east deletion alternative vs. west deletion alternative. Probabilities are for spills 1,000 barrels and greater.

Segment	Within 3 days						Within 10 days						Within 30 days					
	prop.		east del.		west del.		prop.		east del.		west del.		prop.		east del.		west del.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
15	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0
18	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0
19	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0
20	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
21	1	0.0	1	0.0	1	0.0	5	0.1	5	0.0	4	0.0	8	0.1	7	0.1	7	0.1
22	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
23	4	0.0	3	0.0	3	0.0	8	0.1	6	0.1	6	0.1	10	0.1	9	0.1	9	0.1
24	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
25	1	0.0	n	0.0	n	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0
26	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	4	0.0	3	0.0	4	0.0
27	5	0.1	4	0.0	4	0.0	18	0.2	16	0.2	16	0.2	22	0.2	18	0.2	20	0.2
28	3	0.0	2	0.0	2	0.0	12	0.1	10	0.1	10	0.1	20	0.2	17	0.2	18	0.2
29	n	0.0	n	0.0	n	0.0	4	0.0	3	0.0	3	0.0	9	0.1	7	0.1	8	0.1
31	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
32	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	4	0.0	3	0.0	4	0.0
33	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	5	0.1	4	0.0	5	0.0
34	1	0.0	n	0.0	1	0.0	6	0.1	4	0.0	5	0.1	13	0.1	8	0.1	12	0.1
35	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	5	0.0	1	0.0	5	0.0
36	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	n	0.0	2	0.0
37	4	0.0	2	0.0	4	0.0	8	0.1	3	0.0	8	0.1	14	0.1	6	0.1	14	0.1
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	4	0.0	1	0.0	4	0.0
39	3	0.0	1	0.0	3	0.0	16	0.2	7	0.1	16	0.2	22	0.2	9	0.1	22	0.2
40	n	0.0	n	0.0	n	0.0	2	0.0	n	0.0	2	0.0	4	0.0	n	0.0	4	0.0
41	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
42	1	0.0	n	0.0	1	0.0	3	0.0	n	0.0	3	0.0	5	0.1	n	0.0	5	0.1
43	2	0.0	n	0.0	2	0.0	3	0.0	n	0.0	3	0.0	3	0.0	n	0.0	3	0.0
44	2	0.0	n	0.0	2	0.0	3	0.0	n	0.0	3	0.0	3	0.0	n	0.0	3	0.0
45	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
46	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
47	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
80	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
81	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	3	0.0	3	0.0	3	0.0
82	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	1	0.0	1	0.0
83	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	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 or more spills, and the expected number of spills (mean) occurring and contacting land or boundary segments over the expected production life of the lease area, proposed lease offering vs. proposed and existing leases vs. proposed, existing, and Canadian tankering. Probabilities are for spills 1,000 barrels and greater.

Segment	Within 3 days						Within 10 days						Within 30 days					
	prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
15	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0
18	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
19	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
20	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0
21	1	0.0	2	0.0	2	0.0	5	0.1	12	0.1	12	0.1	8	0.1	19	0.2	19	0.2
22	n	0.0	n	0.0	n	0.0	1	0.0	3	0.0	3	0.0	2	0.0	6	0.1	6	0.1
23	4	0.0	7	0.1	7	0.1	8	0.1	15	0.2	15	0.2	10	0.1	22	0.3	22	0.3
24	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
25	1	0.0	1	0.0	1	0.0	3	0.0	11	0.1	11	0.1	3	0.0	11	0.1	11	0.1
26	1	0.0	2	0.0	2	0.0	2	0.0	7	0.1	7	0.1	4	0.0	11	0.1	11	0.1
27	5	0.1	16	0.2	16	0.2	18	0.2	48	0.7	48	0.7	22	0.2	54	0.8	54	0.8
28	3	0.0	9	0.1	9	0.1	12	0.1	34	0.4	34	0.4	20	0.2	53	0.7	53	0.7
29	n	0.0	n	0.0	n	0.0	4	0.0	12	0.1	12	0.1	9	0.1	27	0.3	27	0.3
31	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
32	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	4	0.0	9	0.1	9	0.1
33	n	0.0	n	0.0	n	0.0	1	0.0	4	0.0	4	0.0	5	0.1	13	0.1	13	0.1
34	1	0.0	7	0.1	7	0.1	6	0.1	22	0.2	22	0.2	13	0.1	36	0.4	38	0.5
35	n	0.0	3	0.0	3	0.0	1	0.0	8	0.1	8	0.1	5	0.0	12	0.1	13	0.1
36	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	3	0.0	3	0.0
37	4	0.0	17	0.2	17	0.2	8	0.1	33	0.4	33	0.4	14	0.1	42	0.5	42	0.5
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	4	0.0	6	0.1	6	0.1
39	3	0.0	3	0.0	3	0.0	16	0.2	16	0.2	16	0.2	22	0.2	22	0.2	22	0.2
40	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0
41	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
42	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	5	0.1	5	0.1	8	0.1
43	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0	10	0.1
44	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0
45	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	20	0.2
46	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	4	0.0	1	0.0	1	0.0	13	0.1
47	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	4	0.0	1	0.0	1	0.0	19	0.2
48	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	13	0.1
49	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	3	0.0	n	0.0	n	0.0	10	0.1
50	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	13	0.1
51	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	7	0.1
80	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	3	0.0	3	0.0
81	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	3	0.0	8	0.1	8	0.1
82	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	4	0.0	4	0.0
83	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0

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

Table 42. -- 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 vs. east deletion alternative vs. west deletion alternative. Probabilities are for spills 10,000 barrels and greater.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop.		east del.		west del.		prop.		east del.		west del.		prop.		east del.		west del.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	11	0.1	7	0.1	10	0.1	37	0.5	24	0.3	34	0.4	54	0.8	37	0.5	51	0.7
Bowhead Feeding A	11	0.1	9	0.1	9	0.1	14	0.2	12	0.1	12	0.1	18	0.2	15	0.2	16	0.2
Bowhead Feeding B	6	0.1	n	0.0	6	0.1	7	0.1	n	0.0	7	0.1	7	0.1	n	0.0	7	0.1
Beluga Conc. A	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Beluga Conc. B	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Major Whale Migr. A	17	0.2	15	0.2	4	0.0	21	0.2	18	0.2	8	0.1	29	0.3	24	0.3	16	0.2
Major Whale Migr. B	21	0.2	13	0.1	18	0.2	26	0.3	15	0.2	23	0.3	34	0.4	21	0.2	32	0.4
Seabird Area 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 2	4	0.0	3	0.0	2	0.0	6	0.1	5	0.1	4	0.0	8	0.1	7	0.1	6	0.1
Seabird Area 3	5	0.0	4	0.0	5	0.0	6	0.1	5	0.0	6	0.1	10	0.1	7	0.1	9	0.1
Seabird Area 4	2	0.0	1	0.0	2	0.0	4	0.0	2	0.0	4	0.0	8	0.1	3	0.0	8	0.1
Seabird Area 5	3	0.0	n	0.0	3	0.0	3	0.0	n	0.0	3	0.0	5	0.0	n	0.0	5	0.0
Seabird Area 6	6	0.1	n	0.0	6	0.1	6	0.1	n	0.0	6	0.1	6	0.1	n	0.0	6	0.1
Whaling (Wainwright)	21	0.2	18	0.2	10	0.1	26	0.3	22	0.2	14	0.2	34	0.4	29	0.3	23	0.3
Whaling (Kaktovik)	24	0.3	7	0.1	24	0.3	27	0.3	8	0.1	27	0.3	29	0.3	10	0.1	29	0.3
Sea Segment 1	1	0.0	1	0.0	n	0.0	4	0.0	3	0.0	n	0.0	7	0.1	6	0.1	n	0.0
Sea Segment 2	3	0.0	3	0.0	n	0.0	6	0.1	5	0.1	1	0.0	8	0.1	7	0.1	3	0.0
Sea Segment 3	1	0.0	1	0.0	1	0.0	4	0.0	3	0.0	2	0.0	9	0.1	7	0.1	6	0.1
Sea Segment 4	3	0.0	3	0.0	1	0.0	7	0.1	6	0.1	4	0.0	15	0.2	12	0.1	12	0.1
Sea Segment 5	2	0.0	2	0.0	2	0.0	7	0.1	6	0.1	6	0.1	14	0.2	11	0.1	13	0.1
Sea Segment 6	3	0.0	3	0.0	3	0.0	9	0.1	7	0.1	9	0.1	14	0.2	10	0.1	14	0.1
Sea Segment 7	7	0.1	4	0.0	7	0.1	9	0.1	5	0.1	9	0.1	12	0.1	6	0.1	12	0.1
Sea Segment 8	7	0.1	4	0.0	7	0.1	9	0.1	5	0.0	9	0.1	11	0.1	5	0.1	11	0.1
Sea Segment 9	2	0.0	n	0.0	2	0.0	3	0.0	n	0.0	3	0.0	4	0.0	n	0.0	4	0.0
Sea Segment 10	1	0.0	n	0.0	1	0.0	2	0.0	n	0.0	2	0.0	2	0.0	n	0.0	2	0.0
Sea Segment 11	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
Sea Segment 12	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 13	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 14	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table 43. -- 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 vs. proposed and existing vs. proposed, existing and Canadian tankering. Probabilities are for spills 10,000 barrels and greater.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	11	0.1	28	0.3	28	0.3	37	0.5	70	1.2	72	1.3	54	0.8	86	1.9	91	2.4
Bowhead Feeding A	11	0.1	26	0.3	26	0.3	14	0.2	34	0.4	34	0.4	18	0.2	41	0.5	41	0.5
Bowhead Feeding B	6	0.1	6	0.1	6	0.1	7	0.1	7	0.1	11	0.1	7	0.1	7	0.1	23	0.3
Beluga Conc. A	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
Beluga Conc. B	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Major Whale Migr. A	17	0.2	22	0.2	23	0.3	21	0.2	31	0.4	32	0.4	29	0.3	48	0.7	49	0.7
Major Whale Migr. B	21	0.2	33	0.4	36	0.4	26	0.3	40	0.5	43	0.6	34	0.4	53	0.8	58	0.9
Seabird Area 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 2	4	0.0	8	0.1	8	0.1	6	0.1	13	0.1	13	0.1	8	0.1	16	0.2	16	0.2
Seabird Area 3	5	0.0	13	0.1	13	0.1	6	0.1	16	0.2	16	0.2	10	0.1	25	0.3	26	0.3
Seabird Area 4	2	0.0	8	0.1	8	0.1	4	0.0	17	0.2	17	0.2	8	0.1	22	0.3	24	0.3
Seabird Area 5	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0	4	0.0	5	0.0	5	0.0	10	0.1
Seabird Area 6	6	0.1	6	0.1	6	0.1	6	0.1	6	0.1	6	0.1	6	0.1	6	0.1	12	0.1
Whaling (Wainwright)	21	0.2	32	0.4	33	0.4	26	0.3	42	0.6	43	0.6	34	0.4	58	0.9	59	0.9
Whaling (Kaktovik)	24	0.3	36	0.4	36	0.5	27	0.3	39	0.5	41	0.5	29	0.3	43	0.6	52	0.7
Sea Segment 1	1	0.0	1	0.0	1	0.0	4	0.0	4	0.0	4	0.0	7	0.1	8	0.1	8	0.1
Sea Segment 2	3	0.0	3	0.0	4	0.0	6	0.1	7	0.1	8	0.1	8	0.1	13	0.1	13	0.1
Sea Segment 3	1	0.0	2	0.0	3	0.0	4	0.0	6	0.1	7	0.1	9	0.1	18	0.2	19	0.2
Sea Segment 4	3	0.0	4	0.0	5	0.0	7	0.1	14	0.1	15	0.2	15	0.2	33	0.4	34	0.4
Sea Segment 5	2	0.0	6	0.1	6	0.1	7	0.1	19	0.2	20	0.2	14	0.2	33	0.4	34	0.4
Sea Segment 6	3	0.0	8	0.1	8	0.1	9	0.1	23	0.3	23	0.3	14	0.2	31	0.4	32	0.4
Sea Segment 7	7	0.1	16	0.2	17	0.2	9	0.1	18	0.2	19	0.2	12	0.1	22	0.2	23	0.3
Sea Segment 8	7	0.1	8	0.1	9	0.1	9	0.1	11	0.1	12	0.1	11	0.1	13	0.1	14	0.2
Sea Segment 9	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0	6	0.1
Sea Segment 10	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	6	0.1
Sea Segment 11	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	16	0.2
Sea Segment 12	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	27	0.3
Sea Segment 13	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	4	0.0	n	0.0	n	0.0	8	0.1
Sea Segment 14	n	0.0	n	0.0	30	0.4	n	0.0	n	0.0	30	0.4	n	0.0	n	0.0	30	0.4

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

Table 44. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting land or boundary segments over the expected production life of the lease area, proposed lease offering vs. east deletion alternative vs. west deletion alternative. Probabilities are for spills 10,000 barrels and greater.

Segment	Within 3 days						Within 10 days						Within 30 days					
	prop.		east del.		west del.		prop.		east del.		west del.		prop.		east del.		west del.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
15	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0
20	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
21	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0	2	0.0	4	0.0	3	0.0	3	0.0
22	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
23	2	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	5	0.0	4	0.0	4	0.0
25	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
26	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	1	0.0	2	0.0
27	2	0.0	2	0.0	2	0.0	8	0.1	7	0.1	7	0.1	10	0.1	8	0.1	9	0.1
28	1	0.0	1	0.0	1	0.0	5	0.1	4	0.0	4	0.0	9	0.1	7	0.1	8	0.1
29	n	0.0	n	0.0	n	0.0	2	0.0	1	0.0	1	0.0	4	0.0	3	0.0	3	0.0
32	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	1	0.0	2	0.0
33	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	2	0.0	2	0.0	2	0.0
34	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0	2	0.0	6	0.1	4	0.0	5	0.1
35	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	2	0.0	1	0.0	2	0.0
36	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
37	2	0.0	1	0.0	2	0.0	4	0.0	1	0.0	4	0.0	6	0.1	3	0.0	6	0.1
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	n	0.0	2	0.0
39	1	0.0	1	0.0	1	0.0	7	0.1	3	0.0	7	0.1	10	0.1	4	0.0	10	0.1
40	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	2	0.0	n	0.0	2	0.0
41	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
42	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	2	0.0	n	0.0	2	0.0
43	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
44	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
45	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
81	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
82	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0

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

Table 45. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting land or boundary segments over the expected production life of the lease area, proposed lease offering vs. proposed and existing leases vs. proposed, existing and Canadian tankering. Probabilities are for spills 10,000 barrels and greater

Segment	Within 3 days						Within 10 days						Within 30 days					
	prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
15	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
20	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
21	n	0.0	1	0.0	1	0.0	2	0.0	5	0.1	5	0.1	4	0.0	8	0.1	8	0.1
22	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0
23	2	0.0	3	0.0	3	0.0	3	0.0	7	0.1	7	0.1	5	0.0	10	0.1	10	0.1
24	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0
25	n	0.0	n	0.0	n	0.0	1	0.0	5	0.0	5	0.0	1	0.0	5	0.0	5	0.0
26	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	2	0.0	5	0.0	5	0.0
27	2	0.0	7	0.1	7	0.1	8	0.1	24	0.3	24	0.3	10	0.1	28	0.3	28	0.3
28	1	0.0	4	0.0	4	0.0	5	0.1	16	0.2	16	0.2	9	0.1	27	0.3	27	0.3
29	n	0.0	n	0.0	n	0.0	2	0.0	5	0.1	5	0.1	4	0.0	12	0.1	12	0.1
32	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	4	0.0	4	0.0
33	n	0.0	n	0.0	n	0.0	1	0.0	2	0.0	2	0.0	2	0.0	6	0.1	6	0.1
34	n	0.0	3	0.0	3	0.0	2	0.0	10	0.1	10	0.1	6	0.1	17	0.2	19	0.2
35	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	2	0.0	5	0.1	6	0.1
36	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
37	2	0.0	8	0.1	8	0.1	4	0.0	16	0.2	16	0.2	6	0.1	20	0.2	21	0.2
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	3	0.0	3	0.0
39	1	0.0	1	0.0	1	0.0	7	0.1	7	0.1	7	0.1	10	0.1	10	0.1	10	0.1
40	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
41	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
42	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	4	0.0
43	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	4	0.0
44	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
45	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	9	0.1
46	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	6	0.1
47	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	n	0.0	n	0.0	9	0.1
48	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	6	0.1
49	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0	4	0.0
50	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	6	0.1
51	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	3	0.0
80	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0
81	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	4	0.0	4	0.0
82	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	2	0.0	2	0.0

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

Table 46. -- 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 vs. east deletion alternative vs. west deletion alternative. Probabilities are for spills 1,000 barrels and greater. Spills occur during the winter season and contacts occur after ice breakup.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop.		east del.		west del.		prop.		east del.		west del.		prop.		east del.		west del.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	10	0.1	5	0.0	10	0.1	43	0.6	27	0.3	41	0.5	62	1.0	43	0.6	60	0.9
Bowhead Feeding A	11	0.1	9	0.1	10	0.1	15	0.2	13	0.1	14	0.1	21	0.2	16	0.2	19	0.2
Bowhead Feeding B	8	0.1	n	0.0	8	0.1	9	0.1	n	0.0	9	0.1	9	0.1	n	0.0	9	0.1
Beluga Conc. A	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Beluga Conc. B	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Major Whale Migr. A	9	0.1	8	0.1	7	0.1	15	0.2	12	0.1	12	0.1	27	0.3	22	0.2	24	0.3
Major Whale Migr. B	37	0.5	22	0.2	37	0.5	43	0.6	24	0.3	43	0.6	53	0.8	30	0.4	53	0.8
Seabird Area 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 2	7	0.1	6	0.1	5	0.1	9	0.1	7	0.1	7	0.1	11	0.1	9	0.1	9	0.1
Seabird Area 3	6	0.1	5	0.1	6	0.1	8	0.1	6	0.1	8	0.1	13	0.1	10	0.1	13	0.1
Seabird Area 4	n	0.0	n	0.0	n	0.0	2	0.0	1	0.0	2	0.0	7	0.1	2	0.0	6	0.1
Seabird Area 5	3	0.0	n	0.0	3	0.0	4	0.0	n	0.0	4	0.0	5	0.0	n	0.0	5	0.0
Seabird Area 6	8	0.1	n	0.0	8	0.1	9	0.1	n	0.0	9	0.1	9	0.1	n	0.0	9	0.1
Whaling (Wainwright)	19	0.2	16	0.2	15	0.2	25	0.3	21	0.2	21	0.2	36	0.5	30	0.4	33	0.4
Whaling (Kaktovik)	27	0.3	7	0.1	27	0.3	30	0.4	9	0.1	30	0.4	33	0.4	10	0.1	33	0.4
Sea Segment 1	3	0.0	2	0.0	n	0.0	4	0.0	3	0.0	n	0.0	5	0.1	4	0.0	1	0.0
Sea Segment 2	1	0.0	1	0.0	n	0.0	3	0.0	3	0.0	2	0.0	6	0.1	5	0.1	5	0.0
Sea Segment 3	1	0.0	1	0.0	1	0.0	4	0.0	3	0.0	3	0.0	10	0.1	8	0.1	10	0.1
Sea Segment 4	2	0.0	2	0.0	2	0.0	7	0.1	6	0.1	7	0.1	19	0.2	15	0.2	19	0.2
Sea Segment 5	2	0.0	2	0.0	2	0.0	10	0.1	7	0.1	9	0.1	20	0.2	14	0.1	19	0.2
Sea Segment 6	4	0.0	2	0.0	4	0.0	12	0.1	8	0.1	11	0.1	19	0.2	12	0.1	19	0.2
Sea Segment 7	10	0.1	5	0.0	10	0.1	13	0.1	6	0.1	13	0.1	17	0.2	7	0.1	17	0.2
Sea Segment 8	11	0.1	4	0.0	11	0.1	13	0.1	5	0.1	13	0.1	16	0.2	5	0.1	16	0.2
Sea Segment 9	4	0.0	n	0.0	4	0.0	6	0.1	n	0.0	6	0.1	8	0.1	n	0.0	8	0.1
Sea Segment 10	1	0.0	n	0.0	1	0.0	2	0.0	n	0.0	2	0.0	3	0.0	n	0.0	3	0.0
Sea Segment 11	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 12	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 13	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 14	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table 47. -- 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 vs. proposed and existing vs. proposed, existing and Canadian tankering. Probabilities are for spills 1,000 barrels and greater. Spills occur during the winter season and contacts occur after after ice breakup.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	10	0.1	21	0.2	21	0.2	43	0.6	74	1.3	74	1.3	62	1.0	90	2.3	90	2.3
Bowhead Feeding A	11	0.1	31	0.4	31	0.4	15	0.2	41	0.5	41	0.5	21	0.2	49	0.7	49	0.7
Bowhead Feeding B	8	0.1	8	0.1	8	0.1	9	0.1	9	0.1	9	0.1	9	0.1	9	0.1	9	0.1
Beluga Conc. A	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Beluga Conc. B	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Major Whale Migr. A	9	0.1	20	0.2	20	0.2	15	0.2	33	0.4	34	0.4	27	0.3	56	0.8	57	0.8
Major Whale Migr. B	37	0.5	55	0.8	58	0.9	43	0.6	62	1.0	65	1.0	53	0.8	73	1.3	76	1.4
Seabird Area 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 2	7	0.1	16	0.2	16	0.2	9	0.1	22	0.2	22	0.2	11	0.1	26	0.3	26	0.3
Seabird Area 3	6	0.1	18	0.2	18	0.2	8	0.1	22	0.3	22	0.3	13	0.1	34	0.4	34	0.4
Seabird Area 4	n	0.0	n	0.0	n	0.0	2	0.0	3	0.0	4	0.0	7	0.1	11	0.1	11	0.1
Seabird Area 5	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0	5	0.0	5	0.0	5	0.0
Seabird Area 6	8	0.1	8	0.1	8	0.1	9	0.1	9	0.1	9	0.1	9	0.1	9	0.1	9	0.1
Whaling (Wainwright)	19	0.2	43	0.6	43	0.6	25	0.3	53	0.8	54	0.8	36	0.5	70	1.2	71	1.2
Whaling (Kaktovik)	27	0.3	28	0.3	28	0.3	30	0.4	33	0.4	33	0.4	33	0.4	39	0.5	39	0.5
Sea Segment 1	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0	5	0.1	6	0.1	6	0.1
Sea Segment 2	1	0.0	1	0.0	1	0.0	3	0.0	7	0.1	7	0.1	6	0.1	14	0.1	14	0.2
Sea Segment 3	1	0.0	4	0.0	4	0.0	4	0.0	9	0.1	9	0.1	10	0.1	25	0.3	26	0.3
Sea Segment 4	2	0.0	5	0.1	6	0.1	7	0.1	20	0.2	20	0.2	19	0.2	45	0.6	46	0.6
Sea Segment 5	2	0.0	7	0.1	7	0.1	10	0.1	26	0.3	26	0.3	20	0.2	43	0.6	44	0.6
Sea Segment 6	4	0.0	11	0.1	11	0.1	12	0.1	28	0.3	29	0.3	19	0.2	39	0.5	40	0.5
Sea Segment 7	10	0.1	15	0.2	15	0.2	13	0.1	18	0.2	19	0.2	17	0.2	22	0.2	23	0.3
Sea Segment 8	11	0.1	11	0.1	12	0.1	13	0.1	14	0.2	15	0.2	16	0.2	17	0.2	18	0.2
Sea Segment 9	4	0.0	4	0.0	5	0.0	6	0.1	6	0.1	7	0.1	8	0.1	8	0.1	10	0.1
Sea Segment 10	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	3	0.0
Sea Segment 11	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
Sea Segment 12	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 13	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 14	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table 48. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting land or boundary segments over the expected production life of the lease area, proposed lease offering vs. east deletion alternative vs. west deletion alternative. Probabilities are for spills 1,000 barrels and greater. Spills occur during the winter season and contacts occur after ice breakup.

Segment	Within 3 days						Within 10 days						Within 30 days					
	prop.		east del.		west del.		prop.		east del.		west del.		prop.		east del.		west del.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
20	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
21	1	0.0	1	0.0	1	0.0	4	0.0	3	0.0	3	0.0	5	0.1	4	0.0	4	0.0
22	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
23	2	0.0	1	0.0	1	0.0	3	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0
25	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
26	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	1	0.0	2	0.0
27	1	0.0	1	0.0	1	0.0	9	0.1	8	0.1	9	0.1	11	0.1	9	0.1	11	0.1
28	n	0.0	n	0.0	n	0.0	6	0.1	5	0.0	5	0.1	11	0.1	9	0.1	10	0.1
29	n	0.0	n	0.0	n	0.0	2	0.0	1	0.0	2	0.0	5	0.1	4	0.0	4	0.0
31	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
32	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0	2	0.0
33	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	2	0.0	3	0.0
34	1	0.0	n	0.0	1	0.0	4	0.0	2	0.0	4	0.0	9	0.1	5	0.1	8	0.1
35	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	2	0.0	1	0.0	2	0.0
36	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
37	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	5	0.0	2	0.0	4	0.0
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	1	0.0	2	0.0
39	2	0.0	1	0.0	2	0.0	10	0.1	4	0.0	10	0.1	14	0.1	6	0.1	14	0.2
40	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	2	0.0	n	0.0	2	0.0
41	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
42	1	0.0	n	0.0	1	0.0	2	0.0	n	0.0	2	0.0	3	0.0	n	0.0	3	0.0
43	1	0.0	n	0.0	1	0.0	2	0.0	n	0.0	2	0.0	2	0.0	n	0.0	2	0.0
44	1	0.0	n	0.0	1	0.0	2	0.0	n	0.0	2	0.0	2	0.0	n	0.0	2	0.0
45	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
47	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
80	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
81	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	3	0.0	2	0.0	2	0.0
82	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	1	0.0	1	0.0
83	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	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 49. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting land or boundary segments over the expected production life of the lease area, proposed lease offering vs. proposed and existing leases vs. proposed, existing, and Canadian tankering. Probabilities are for spills 1,000 barrels and greater. Spills occur during the winter season and contacts occur after ice breakup.

Segment	Within 3 days						Within 10 days						Within 30 days					
	prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
19	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0
20	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0
21	1	0.0	2	0.0	2	0.0	4	0.0	10	0.1	10	0.1	5	0.1	13	0.1	13	0.1
22	n	0.0	n	0.0	n	0.0	1	0.0	2	0.0	2	0.0	1	0.0	3	0.0	3	0.0
23	2	0.0	5	0.1	5	0.1	3	0.0	9	0.1	9	0.1	4	0.0	13	0.1	13	0.1
24	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0
25	n	0.0	1	0.0	1	0.0	2	0.0	7	0.1	7	0.1	2	0.0	7	0.1	7	0.1
26	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	2	0.0	5	0.0	5	0.0
27	1	0.0	3	0.0	3	0.0	9	0.1	28	0.3	28	0.3	11	0.1	32	0.4	32	0.4
28	n	0.0	1	0.0	1	0.0	6	0.1	18	0.2	18	0.2	11	0.1	32	0.4	32	0.4
29	n	0.0	n	0.0	n	0.0	2	0.0	6	0.1	6	0.1	5	0.1	16	0.2	16	0.2
31	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
32	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	5	0.1	5	0.1
33	n	0.0	n	0.0	n	0.0	1	0.0	2	0.0	2	0.0	3	0.0	9	0.1	9	0.1
34	1	0.0	4	0.0	4	0.0	4	0.0	13	0.1	13	0.1	9	0.1	23	0.3	23	0.3
35	n	0.0	2	0.0	2	0.0	1	0.0	2	0.0	2	0.0	2	0.0	4	0.0	5	0.0
36	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
37	n	0.0	n	0.0	n	0.0	1	0.0	2	0.0	2	0.0	5	0.0	9	0.1	9	0.1
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0	2	0.0
39	2	0.0	2	0.0	2	0.0	10	0.1	10	0.1	10	0.1	14	0.1	14	0.1	14	0.1
40	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
41	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
42	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0
43	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
44	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
45	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
47	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
80	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	3	0.0	3	0.0
81	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	3	0.0	8	0.1	8	0.1
82	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	2	0.0	4	0.0	4	0.0
83	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0

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

Table 50. -- 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 vs. east deletion alternative vs. west deletion alternative. Probabilities are for spills 10,000 barrels and greater. Spills occur during the winter season and contacts occur after ice breakup.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop.		east del.		west del.		prop.		east del.		west del.		prop.		east del.		west del.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	4	0.0	2	0.0	4	0.0	21	0.2	13	0.1	20	0.2	34	0.4	21	0.2	32	0.4
Bowhead Feeding A	5	0.0	4	0.0	4	0.0	7	0.1	6	0.1	6	0.1	9	0.1	7	0.1	9	0.1
Bowhead Feeding B	4	0.0	n	0.0	4	0.0	4	0.0	n	0.0	4	0.0	4	0.0	n	0.0	4	0.0
Beluga Conc. A	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Beluga Conc. B	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Major Whale Migr. A	4	0.0	3	0.0	3	0.0	7	0.1	6	0.1	5	0.1	13	0.1	10	0.1	11	0.1
Major Whale Migr. B	18	0.2	10	0.1	18	0.2	21	0.2	11	0.1	21	0.2	28	0.3	14	0.2	28	0.3
Seabird Area 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 2	3	0.0	2	0.0	2	0.0	4	0.0	3	0.0	3	0.0	5	0.0	4	0.0	4	0.0
Seabird Area 3	3	0.0	2	0.0	3	0.0	3	0.0	3	0.0	3	0.0	6	0.1	4	0.0	6	0.1
Seabird Area 4	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	3	0.0	1	0.0	3	0.0
Seabird Area 5	1	0.0	n	0.0	1	0.0	2	0.0	n	0.0	2	0.0	2	0.0	n	0.0	2	0.0
Seabird Area 6	4	0.0	n	0.0	4	0.0	4	0.0	n	0.0	4	0.0	4	0.0	n	0.0	4	0.0
Whaling (Wainwright)	9	0.1	7	0.1	7	0.1	11	0.1	10	0.1	9	0.1	18	0.2	14	0.2	16	0.2
Whaling (Kaktovik)	13	0.1	3	0.0	13	0.1	14	0.2	4	0.0	14	0.2	16	0.2	5	0.0	16	0.2
Sea Segment 1	1	0.0	1	0.0	n	0.0	2	0.0	1	0.0	n	0.0	2	0.0	2	0.0	n	0.0
Sea Segment 2	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	2	0.0	2	0.0
Sea Segment 3	1	0.0	n	0.0	n	0.0	2	0.0	1	0.0	1	0.0	4	0.0	4	0.0	4	0.0
Sea Segment 4	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	9	0.1	7	0.1	8	0.1
Sea Segment 5	1	0.0	1	0.0	1	0.0	4	0.0	3	0.0	4	0.0	9	0.1	6	0.1	9	0.1
Sea Segment 6	2	0.0	1	0.0	2	0.0	5	0.1	3	0.0	5	0.1	9	0.1	5	0.1	8	0.1
Sea Segment 7	4	0.0	2	0.0	4	0.0	6	0.1	3	0.0	6	0.1	8	0.1	3	0.0	8	0.1
Sea Segment 8	5	0.1	2	0.0	5	0.1	6	0.1	2	0.0	6	0.1	7	0.1	2	0.0	7	0.1
Sea Segment 9	2	0.0	n	0.0	2	0.0	3	0.0	n	0.0	3	0.0	4	0.0	n	0.0	4	0.0
Sea Segment 10	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
Sea Segment 11	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 12	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 13	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 14	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table 51. -- 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 vs. proposed and existing leases vs. proposed, existing, and Canadian tankering. Probabilities are for spills 10,000 barrels and greater. Spills occur during the winter season and contacts occur after ice breakup.

Target	Within 3 days						Within 10 days						Within 30 days					
	prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	4	0.0	9	0.1	9	0.1	21	0.2	43	0.6	43	0.6	54	0.4	62	1.0	62	1.0
Bowhead Feeding A	5	0.0	14	0.2	14	0.2	7	0.1	20	0.2	20	0.2	9	0.1	25	0.3	25	0.3
Bowhead Feeding B	4	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
Beluga Conc. A	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Beluga Conc. B	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Major Whale Migr. A	4	0.0	9	0.1	9	0.1	7	0.1	16	0.2	16	0.2	13	0.1	30	0.4	30	0.4
Major Whale Migr. B	18	0.2	29	0.3	32	0.4	21	0.2	34	0.4	37	0.5	28	0.3	43	0.6	46	0.6
Seabird Area 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 2	3	0.0	7	0.1	7	0.1	4	0.0	10	0.1	10	0.1	5	0.0	12	0.1	12	0.1
Seabird Area 3	3	0.0	8	0.1	8	0.1	3	0.0	10	0.1	10	0.1	6	0.1	16	0.2	16	0.2
Seabird Area 4	n	0.0	n	0.0	n	0.0	1	0.0	2	0.0	2	0.0	3	0.0	5	0.1	5	0.1
Seabird Area 5	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
Seabird Area 6	4	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
Whaling (Wainwright)	9	0.1	21	0.2	22	0.2	11	0.1	28	0.3	28	0.3	18	0.2	41	0.5	41	0.5
Whaling (Kaktovik)	13	0.1	13	0.1	13	0.1	14	0.2	16	0.2	16	0.2	16	0.2	19	0.2	19	0.2
Sea Segment 1	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0
Sea Segment 2	n	0.0	n	0.0	n	0.0	1	0.0	3	0.0	3	0.0	3	0.0	6	0.1	6	0.1
Sea Segment 3	1	0.0	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0	12	0.1	12	0.1
Sea Segment 4	1	0.0	2	0.0	2	0.0	3	0.0	9	0.1	9	0.1	9	0.1	23	0.3	23	0.3
Sea Segment 5	1	0.0	3	0.0	3	0.0	4	0.0	12	0.1	12	0.1	9	0.1	21	0.2	22	0.2
Sea Segment 6	2	0.0	5	0.0	5	0.1	5	0.1	13	0.1	14	0.1	9	0.1	19	0.2	20	0.2
Sea Segment 7	4	0.0	7	0.1	7	0.1	6	0.1	8	0.1	9	0.1	8	0.1	10	0.1	11	0.1
Sea Segment 8	5	0.1	5	0.1	5	0.1	6	0.1	6	0.1	7	0.1	7	0.1	8	0.1	8	0.1
Sea Segment 9	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
Sea Segment 10	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Sea Segment 11	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 12	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 13	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 14	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table 52. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting land or boundary segments over the expected production life of the lease area, proposed lease offering vs. east deletion alternative vs. west deletion alternative. Probabilities are for spills 10,000 barrels and greater. Spills occur during the winter season and contacts occur after ice breakup.

Segment	Within 3 days						Within 10 days						Within 30 days					
	prop.		east del.		west del.		prop.		east del.		west del.		prop.		east del.		west del.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
21	n	0.0	n	0.0	n	0.0	2	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
22	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	n	0.0
23	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
25	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
26	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
27	n	0.0	n	0.0	n	0.0	4	0.0	3	0.0	4	0.0	5	0.1	4	0.0	5	0.0
28	n	0.0	n	0.0	n	0.0	3	0.0	2	0.0	2	0.0	5	0.0	4	0.0	4	0.0
29	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
32	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
33	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
34	n	0.0	n	0.0	n	0.0	2	0.0	1	0.0	2	0.0	4	0.0	2	0.0	4	0.0
35	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
37	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	2	0.0	1	0.0	2	0.0
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
39	1	0.0	n	0.0	1	0.0	4	0.0	2	0.0	4	0.0	6	0.1	2	0.0	6	0.1
40	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
42	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
43	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
44	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
81	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
82	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0

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

Table 53. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting land or boundary segments over the expected production life of the lease area, proposed lease offering vs. proposed and existing leases vs. proposed, existing, and Canadian tankering. Probabilities are for spills 10,000 barrels and greater. Spills occur during the winter season and contacts occur after ice breakup.

Segment	Within 3 days						Within 10 days						Within 30 days					
	prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.		prop.		prop. exist.		prop. exist. Cand.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
20	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0
21	n	0.0	1	0.0	1	0.0	2	0.0	4	0.0	4	0.0	2	0.0	6	0.1	6	0.1
22	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
23	1	0.0	2	0.0	2	0.0	1	0.0	4	0.0	4	0.0	2	0.0	6	0.1	6	0.1
24	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0
25	n	0.0	n	0.0	n	0.0	1	0.0	3	0.0	3	0.0	1	0.0	3	0.0	3	0.0
26	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0
27	n	0.0	1	0.0	1	0.0	4	0.0	13	0.1	13	0.1	5	0.1	15	0.2	15	0.2
28	n	0.0	n	0.0	n	0.0	3	0.0	8	0.1	8	0.1	5	0.0	15	0.2	15	0.2
29	n	0.0	n	0.0	n	0.0	1	0.0	3	0.0	3	0.0	2	0.0	7	0.1	7	0.1
32	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	2	0.0	2	0.0
33	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	4	0.0	4	0.0
34	n	0.0	2	0.0	2	0.0	2	0.0	6	0.1	6	0.1	4	0.0	10	0.1	10	0.1
35	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0
36	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0
37	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	4	0.0	4	0.0
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
39	1	0.0	1	0.0	1	0.0	4	0.0	4	0.0	4	0.0	6	0.1	6	0.1	6	0.1
40	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
42	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
43	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
44	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
80	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0
81	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	3	0.0	3	0.0
82	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	2	0.0	2	0.0

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

Appendix A

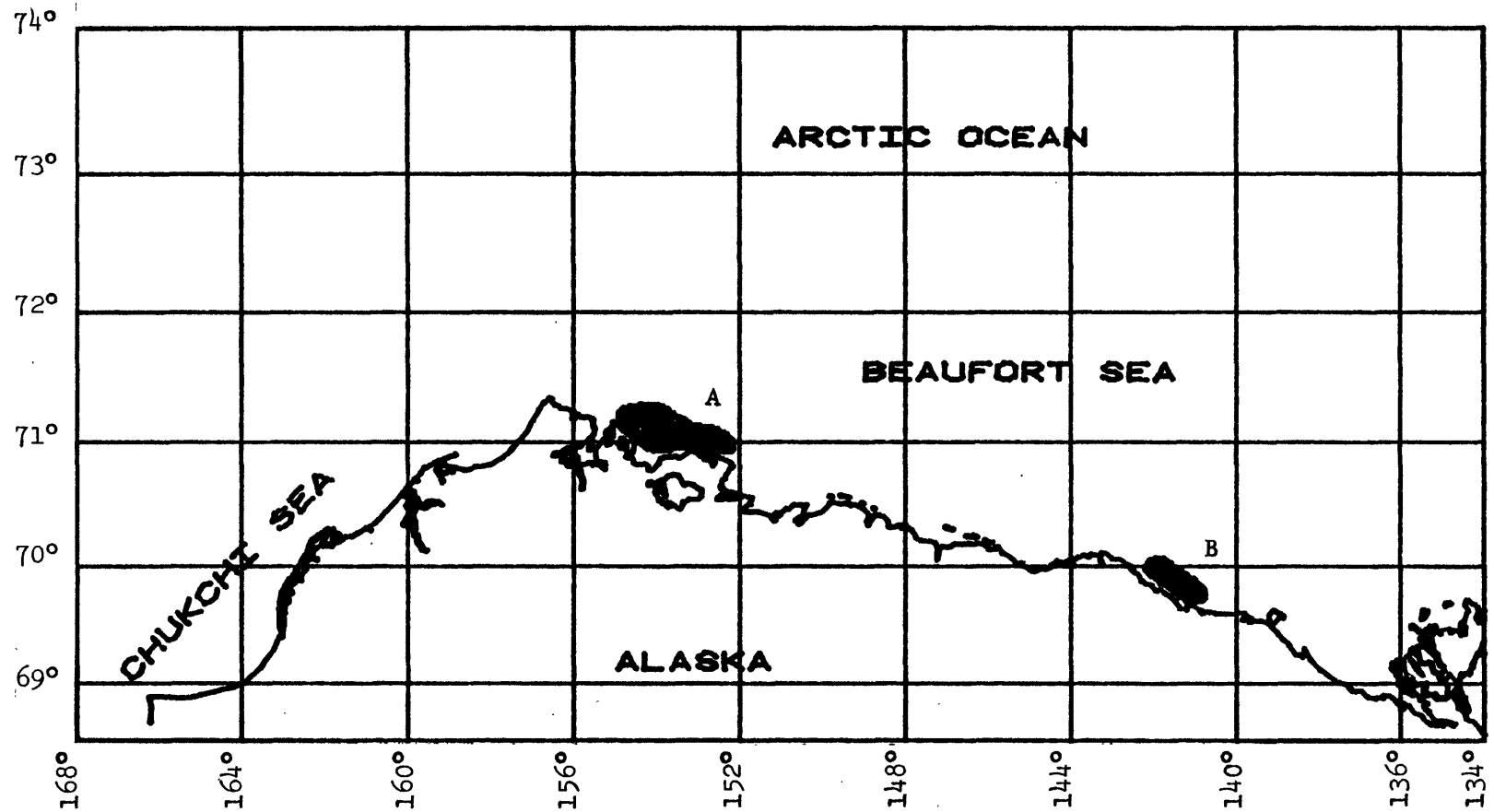

Figure A-1. -- Map showing the locations of Bowhead whale feeding areas A and B, Diapir Field OCS Lease Offering (June 1984): cross hatching indicates areal extent.

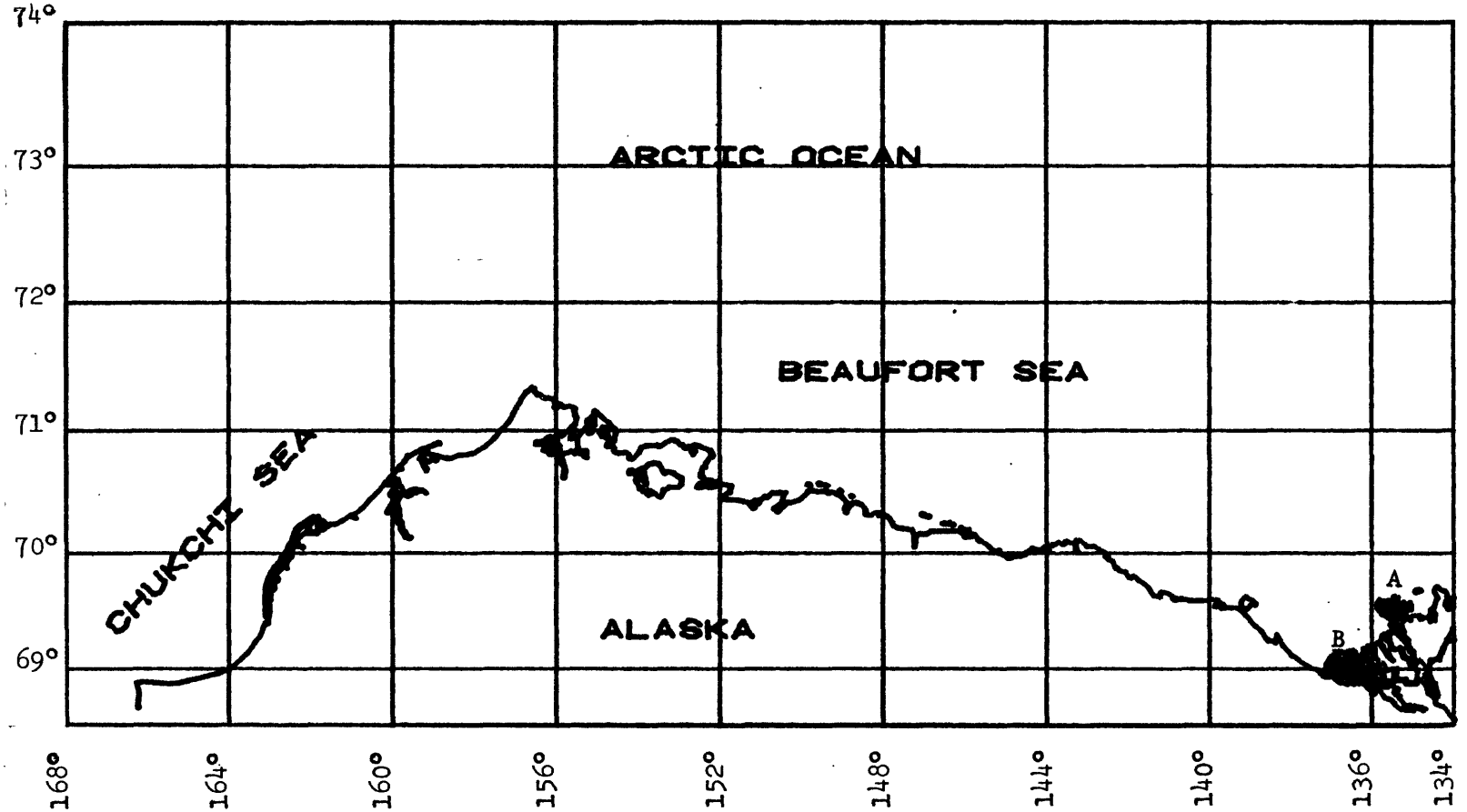

Figure A-2. -- Map showing the locations of Beluga whale concentration areas A and B, Diapir Field OCS Lease Offering (June 1984): cross hatching indicates areal extent.

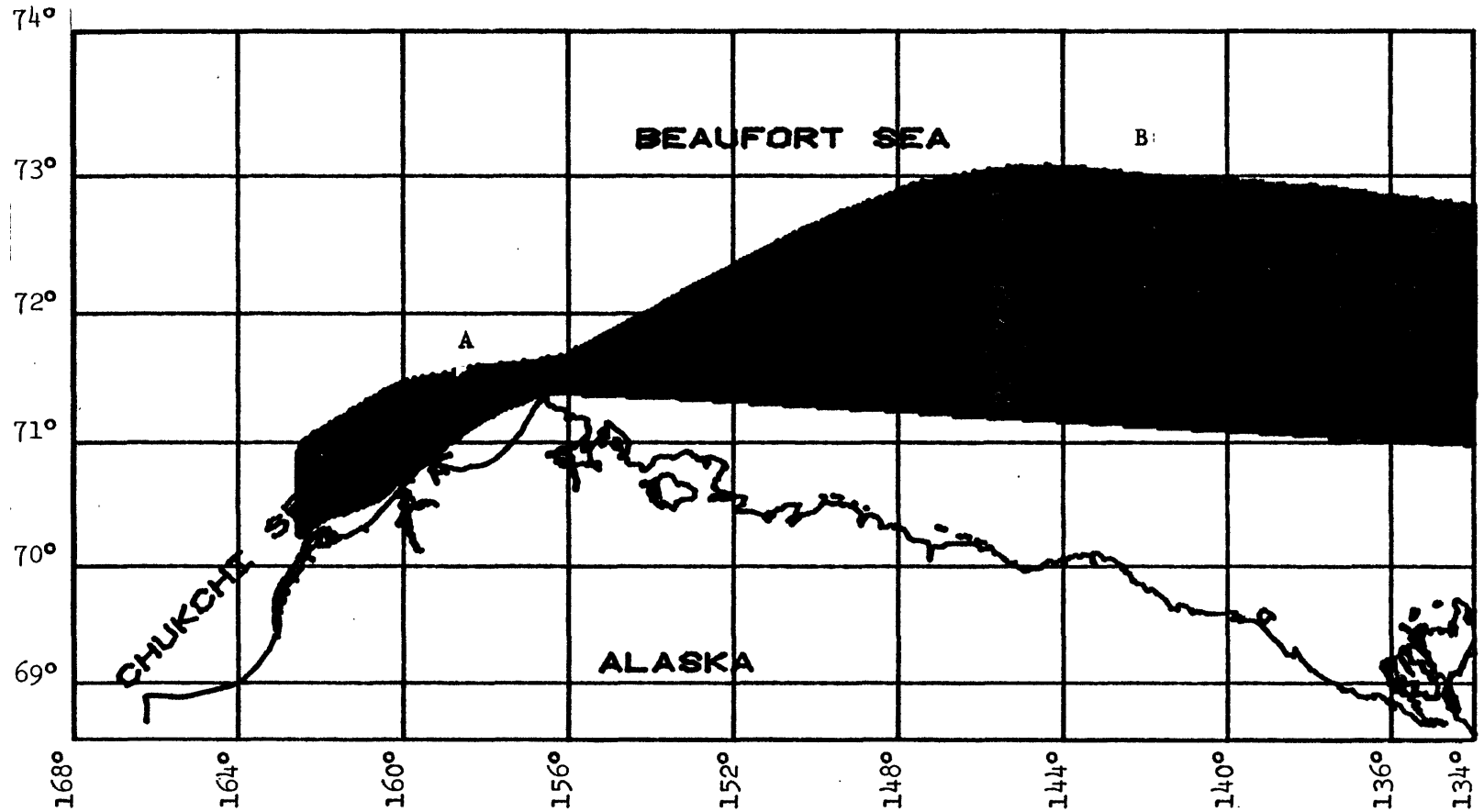

Figure A-3. -- Map showing the locations of major whale migration areas A and B, Diapir Field OCS Lease Offering (June 1984): cross hatching indicates areal extent.

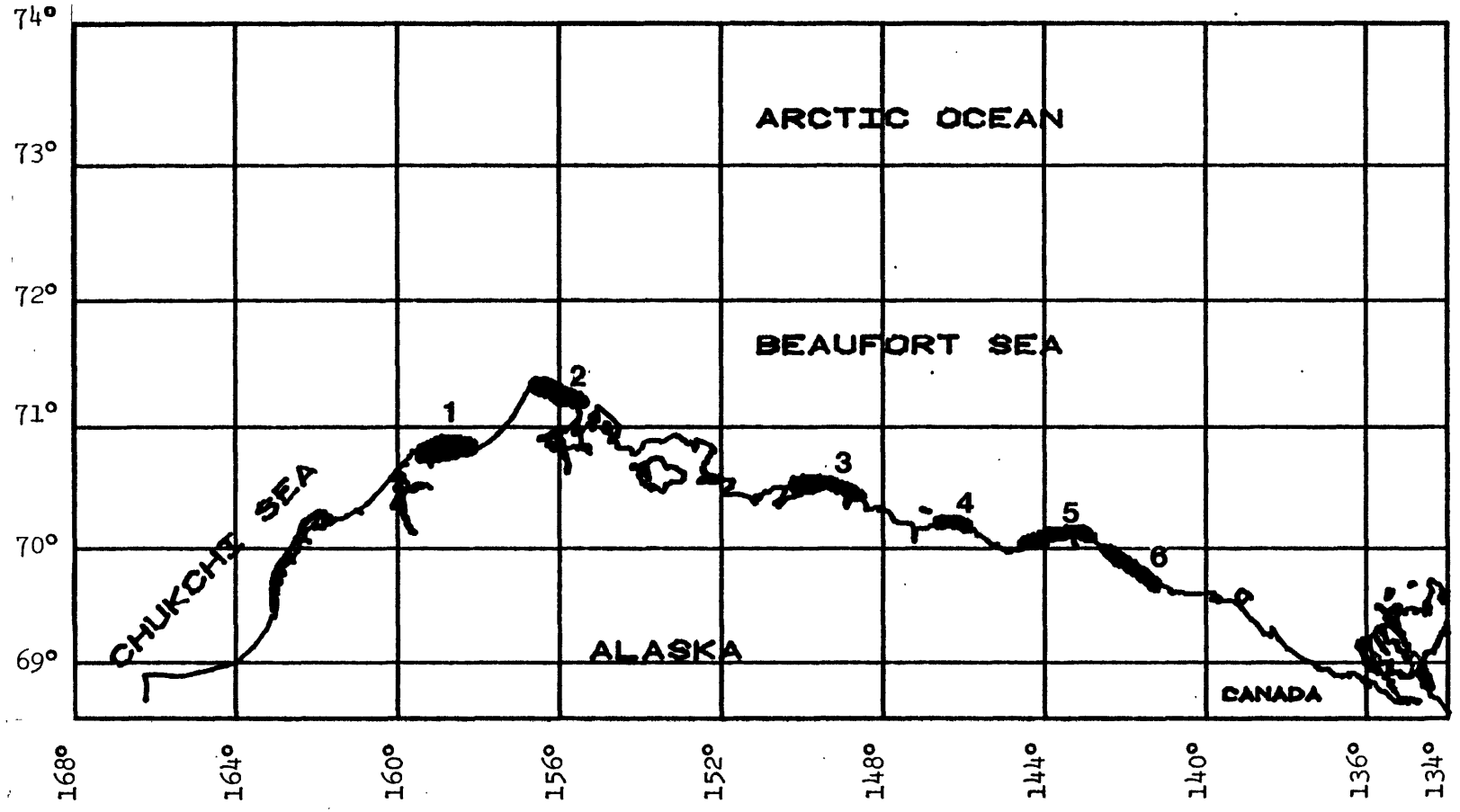

Figure A-4. -- Map showing the locations of seabird foraging areas 1 through 6, Diapir Field OCS Lease Offering (June 1984): cross hatching indicates areal extent.

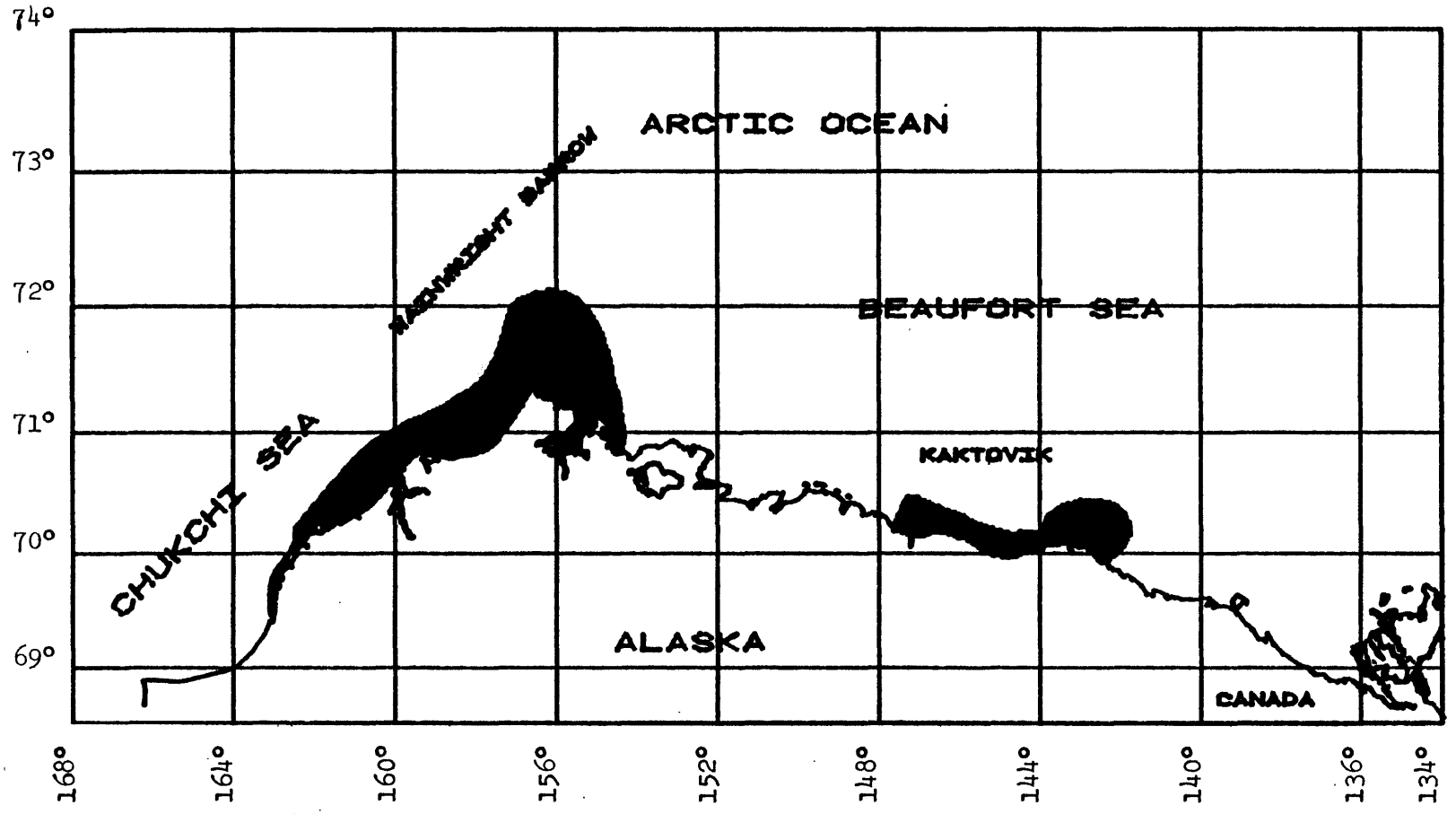

Figure A-5. -- Map showing the locations of whaling subsistence areas (Wainwright Barrow and Kaktovik), Diapir Field OCS Lease Offering (June 1984): cross hatching indicates areal extent.

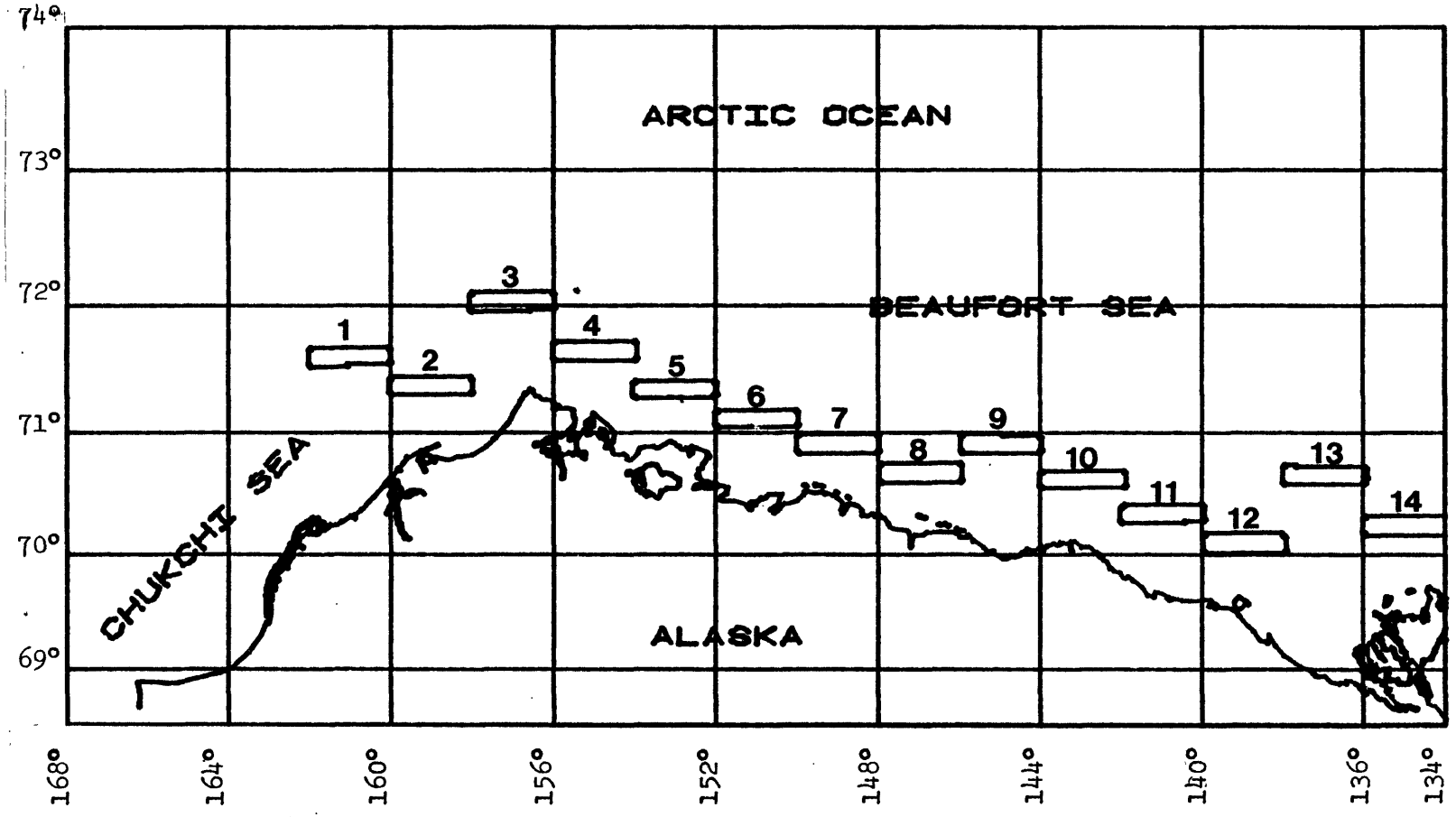

Figure A-6. -- Map showing the location of sea segments 1-14, Diapir Field OCS Lease Offering (June 1984).

Appendix B

Table B1. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during April 15 - June 15. Oilspill trajectory simulations initiated on October 15.

Target	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Bowhead Feeding A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n	n	n	n	n	n	3	n	7	7	20	n	20	37	n	17	10	3	n	7	n
Major Whale Migr. B	n	n	n	n	n	n	n	n	n	n	n	n	3	n	13	n	13	17	n	17	30	13	7	77	17
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	n	n	n	n	n	n	n	n	3	n	10	20	33	3	30	40	n	27	33	3	10	7	3
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7
Sea Segment 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	n	n	n	3	n	n	n	n	3	20	23	3	17	27	n	17	33	3	7	3	3
Sea Segment 4	n	n	n	n	n	n	n	n	n	n	3	n	7	n	20	n	13	30	n	13	7	3	n	7	n
Sea Segment 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	n	13	n	3	n	20	7
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	7	n	33	13
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	40	33
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	30
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table B1. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during April 15 - June 15. Oilspill trajectory simulations initiated on October 15.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	3
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major whale Migr. A	n	n	n	n	n
Major whale Migr. B	23	77	50	23	73
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	n	n	n	3	n
Seabird Area 6	n	n	n	n	n
Whaling (Wainwright)	n	3	n	n	n
Whaling (Kaktovik)	3	n	n	10	13
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	3	n	n	3
Sea Segment 5	7	7	n	n	n
Sea Segment 6	13	17	n	3	7
Sea Segment 7	33	30	n	13	17
Sea Segment 8	47	10	n	27	20
Sea Segment 9	10	10	n	10	23
Sea Segment 10	n	3	n	n	13
Sea Segment 11	n	n	n	n	n
Sea Segment 12	n	n	n	n	n
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 32. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during April 15 - June 15. Oilspill trajectory simulations initiated on January 1.

Target	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Bowhead Feeding A	n	n	n	n	n	n	n	n	n	n	3	n	n	3	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	n	n	3	73	n	7	n	17	n	n	73	n	n	50	n	n	13	n	n	n	7	n	n	n	n
Major Whale Migr. B	n	n	n	n	n	n	n	7	n	3	37	n	n	53	n	37	80	n	n	n	80	n	80	57	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	3	37	n	13	n	40	n	3	83	n	n	47	n	10	20	n	n	n	10	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
Sea Segment 1	n	n	7	50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	n	63	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	n	7	n	30	n	3	60	n	n	40	n	7	10	n	n	n	3	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	n	7	n	n	67	n	n	43	n	n	13	n	n	n	13	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	n	n	n	13	n	n	33	n	n	40	n	n	n	27	n	n	3	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	53	7	n	n	40	n	n	3	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	7	n	n	47	n	n	33	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	63	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table B2. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during April 15 - June 15. Oilspill trajectory simulations initiated on January 1.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	20	n
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n
Major Whale Migr. B	17	57	**	n	33
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	n	n	n	13	n
Seabird Area 6	n	n	n	7	n
Whaling (Wainwright)	n	n	n	n	n
Whaling (Kaktovik)	13	10	n	30	40
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	n	n	n	n
Sea Segment 5	n	n	n	n	n
Sea Segment 6	n	n	n	n	n
Sea Segment 7	10	n	n	n	n
Sea Segment 8	40	13	n	3	n
Sea Segment 9	13	50	n	3	47
Sea Segment 10	n	30	n	n	60
Sea Segment 11	n	10	n	n	30
Sea Segment 12	n	n	n	n	3
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 33. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during April 15 - June 15. Oilspill trajectory simulations initiated on April 1.

Target	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Bowhead Feeding A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Bowhead Feeding B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. A	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. A	90	n	90	**	n	n	33	**	n	73	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Major Whale Migr. B	n	n	n	n	n	n	17	7	n	93	n	40	n	n	n	**	77	n	**	n	60	n	**	23	n
Seabird Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Seabird Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Wainwright)	n	n	7	**	53	n	93	**	n	93	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Whaling (Kaktovik)	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 1	13	n	87	47	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 2	n	n	70	80	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 3	n	n	n	n	63	n	97	63	n	77	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 4	n	n	n	n	n	n	n	63	n	77	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n
Sea Segment 5	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	60	n	n	n	10	n	n	n	n
Sea Segment 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	93	n	n	n	37	n	n	n	n
Sea Segment 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	97	n	n	n	93	n	n	23	n
Sea Segment 8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	n	n	93	n
Sea Segment 9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Segment 14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 13. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target during April 15 - June 15. Oilspill trajectory simulations initiated on April 1.

Target	Hypothetical Spill Location				
	P26	P27	P28	P29	P30
Bowhead Feeding A	n	n	n	n	n
Bowhead Feeding B	n	n	n	**	n
Beluga Conc. A	n	n	n	n	n
Beluga Conc. B	n	n	n	n	n
Major Whale Migr. A	n	n	n	n	n
Major Whale Migr. B	n	50	**	n	13
Seabird Area 1	n	n	n	n	n
Seabird Area 2	n	n	n	n	n
Seabird Area 3	n	n	n	n	n
Seabird Area 4	n	n	n	n	n
Seabird Area 5	n	n	n	13	n
Seabird Area 6	n	n	n	90	n
Whaling (Wainwright)	n	n	n	n	n
Whaling (Kaktovik)	n	20	n	90	70
Sea Segment 1	n	n	n	n	n
Sea Segment 2	n	n	n	n	n
Sea Segment 3	n	n	n	n	n
Sea Segment 4	n	n	n	n	n
Sea Segment 5	n	n	n	n	n
Sea Segment 6	n	n	n	n	n
Sea Segment 7	n	n	n	n	n
Sea Segment 8	n	10	n	n	n
Sea Segment 9	n	63	n	n	33
Sea Segment 10	n	63	n	n	80
Sea Segment 11	n	n	n	n	73
Sea Segment 12	n	n	n	n	n
Sea Segment 13	n	n	n	n	n
Sea Segment 14	n	n	n	n	n

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

Table 3-4. -- 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, proposal vs. east deletion alternative vs. west deletion alternative. Spills were launched during the winter season. Targets were vulnerable during April 15 through June 15. Probabilities are for spills 1,000 and 10,000 barrels and greater.

Target	≥1,000 bbls. proposal		east deletion		west deletion		≥10,000 bbls. proposal		east deletion		west deletion	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Bowhead Feeding A	1	0.0	1	0.0	1	0.0	1	0.0	n	0.0	n	0.0
Bowhead Feeding B	8	0.1	n	0.0	8	0.1	3	0.0	n	0.0	3	0.0
Beluga Conc. A	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Beluga Conc. B	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Major Whale Migr. A	51	0.7	45	0.6	23	0.3	26	0.3	23	0.3	11	0.1
Major Whale Migr. B	49	0.7	34	0.4	45	0.6	25	0.3	16	0.2	23	0.3
Seabird Area 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 2	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 3	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 4	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 5	2	0.0	n	0.0	2	0.0	1	0.0	n	0.0	1	0.0
Seabird Area 6	6	0.1	n	0.0	6	0.1	3	0.0	n	0.0	3	0.0
Whaling (Wainwright)	46	0.6	40	0.5	29	0.3	23	0.3	20	0.2	14	0.1
Whaling (Kaktovik)	17	0.2	n	0.0	17	0.2	8	0.1	n	0.0	8	0.1
Sea Segment 1	17	0.2	15	0.2	n	0.0	8	0.1	7	0.1	n	0.0
Sea Segment 2	15	0.2	13	0.1	n	0.0	7	0.1	6	0.1	n	0.0
Sea Segment 3	33	0.4	28	0.3	21	0.2	16	0.2	13	0.1	10	0.1
Sea Segment 4	25	0.3	21	0.2	19	0.2	11	0.1	10	0.1	9	0.1
Sea Segment 5	15	0.2	12	0.1	14	0.2	7	0.1	5	0.1	6	0.1
Sea Segment 6	18	0.2	14	0.1	18	0.2	8	0.1	6	0.1	8	0.1
Sea Segment 7	26	0.3	18	0.2	26	0.3	12	0.1	8	0.1	12	0.1
Sea Segment 8	23	0.3	11	0.1	23	0.3	10	0.1	5	0.1	11	0.1
Sea Segment 9	14	0.1	n	0.0	14	0.1	6	0.1	n	0.0	6	0.1
Sea Segment 10	12	0.1	n	0.0	12	0.1	6	0.1	n	0.0	6	0.1
Sea Segment 11	6	0.1	n	0.0	6	0.1	3	0.0	n	0.0	3	0.0
Sea Segment 12	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 13	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 14	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table B-5. -- 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, proposal vs. proposed and existing leases vs. proposed, existing, and Canadian tankering. Spills were launched during the winter season. Targets were vulnerable during April 15 through June 15. Probabilities are for spills 1,000 and 10,000 barrels and greater.

Target	≥1,000 bbls.						≥10,000 bbls.					
	proposal		proposal and exist.		proposal exist. Cand.		proposal		proposal and exist.		proposal exist. Cand.	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Bowhead Feeding A	1	0.0	4	0.0	4	0.0	1	0.0	2	0.0	2	0.0
Bowhead Feeding B	8	0.1	8	0.1	8	0.1	3	0.0	3	0.0	3	0.0
Beluga Conc. A	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Beluga Conc. B	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Major Whale Migr. A	51	0.7	69	1.2	70	1.2	26	0.3	40	0.5	41	0.5
Major Whale Migr. B	49	0.7	75	1.4	77	1.5	25	0.3	45	0.6	48	0.6
Seabird Area 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 2	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 3	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 4	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Seabird Area 5	2	0.0	2	0.0	2	0.0	1	0.0	1	0.0	1	0.0
Seabird Area 6	6	0.1	6	0.1	6	0.1	3	0.0	3	0.0	3	0.0
Whaling (Wainwright)	46	0.6	71	1.2	72	1.3	23	0.3	41	0.5	42	0.5
Whaling (Kaktovik)	17	0.2	17	0.2	19	0.2	8	0.1	8	0.1	9	0.1
Sea Segment 1	17	0.2	17	0.2	18	0.2	8	0.1	8	0.1	8	0.1
Sea Segment 2	15	0.2	15	0.2	16	0.2	7	0.1	7	0.1	7	0.1
Sea Segment 3	33	0.4	55	0.8	56	0.8	16	0.2	29	0.3	30	0.4
Sea Segment 4	25	0.3	51	0.7	52	0.7	11	0.1	27	0.3	27	0.3
Sea Segment 5	15	0.2	40	0.5	41	0.5	7	0.1	20	0.2	21	0.2
Sea Segment 6	18	0.2	47	0.6	49	0.7	8	0.1	24	0.3	25	0.3
Sea Segment 7	26	0.3	47	0.6	49	0.7	12	0.1	24	0.3	26	0.3
Sea Segment 8	23	0.3	23	0.3	25	0.3	10	0.1	10	0.1	12	0.1
Sea Segment 9	14	0.1	14	0.1	16	0.2	6	0.1	6	0.1	7	0.1
Sea Segment 10	12	0.1	12	0.1	15	0.2	6	0.1	6	0.1	7	0.1
Sea Segment 11	6	0.1	6	0.1	7	0.1	3	0.0	3	0.0	3	0.0
Sea Segment 12	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 13	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Segment 14	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0

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

Table B-6.--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. Oilspill contacts occurred during the winter season. Probabilities are for spills 1,000 barrels and greater.

Target	15 days		30 days		winter	
	prob	mean	prob	mean	prob	mean
Land	n	0.00	n	0.00	67	1.09
Bowhead Feeding A	34	0.42	42	0.54	50	0.69
Bowhead Feeding B	16	0.18	16	0.18	17	0.18
Beluga Conc. A	n	0.00	n	0.00	n	0.00
Beluga Conc. B	n	0.00	n	0.00	n	0.00
Major Whale Migr. A	71	1.23	75	1.38	36	1.94
Major Whale Migr. B	27	0.31	28	0.33	71	1.25
Seabird Area 1	n	0.00	n	0.00	n	0.00
Seabird Area 2	n	0.00	2	0.02	8	0.08
Seabird Area 3	n	0.00	n	0.00	4	0.04
Seabird Area 4	1	0.02	3	0.04	4	0.04
Seabird Area 5	1	0.01	3	0.03	9	0.09
Seabird Area 6	16	0.18	16	0.18	16	0.18
Whaling (Wainwright)	65	1.04	70	1.21	83	1.76
Whaling (Kaktovik)	69	1.17	70	1.21	74	1.33
Sea Segment 1	1	0.01	6	0.06	32	0.39
Sea Segment 2	22	0.25	25	0.29	36	0.45
Sea Segment 3	10	0.11	20	0.22	53	0.74
Sea Segment 4	17	0.19	21	0.24	54	0.77
Sea Segment 5	3	0.03	9	0.10	41	0.53
Sea Segment 6	7	0.07	11	0.12	34	0.42
Sea Segment 7	17	0.19	20	0.23	39	0.50
Sea Segment 8	16	0.17	19	0.22	41	0.52
Sea Segment 9	n	0.00	n	0.00	19	0.21
Sea Segment 10	2	0.02	4	0.04	18	0.20
Sea Segment 11	4	0.04	7	0.08	12	0.13
Sea segment 12	n	0.00	1	0.01	2	0.02
Sea Segment 13	n	0.00	n	0.00	n	0.00
Sea Segment 14	n	0.00	n	0.00	n	0.00

Note: n= less than 0.5 percent.

Table B-7.--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. Oilspill contacts occurred during the winter season. Probabilities are for spills 10,000 barrels and greater.

Target	15 days		30 days		winter	
	prob	mean	prob	mean	prob	mean
Land	n	0.00	n	0.00	37	0.46
Bowhead Feeding A	16	0.18	21	0.23	26	0.29
Bowhead Feeding B	7	0.08	7	0.08	7	0.08
Beluga Conc. A	n	0.00	n	0.00	n	0.00
Beluga Conc. B	n	0.00	n	0.00	n	0.00
Major Whale Migr. A	41	0.53	45	0.59	56	0.83
Major Whale Migr. B	13	0.14	13	0.14	42	0.54
Seabird Area 1	n	0.00	n	0.00	n	0.00
Seabird Area 2	n	0.00	1	0.01	3	0.03
Seabird Area 3	n	0.00	n	0.00	2	0.02
Seabird Area 4	1	0.01	1	0.01	2	0.02
Seabird Area 5	1	0.01	1	0.01	4	0.04
Seabird Area 6	7	0.08	7	0.08	7	0.08
Whaling (Wainwright)	36	0.45	41	0.52	53	0.75
Whaling (Kaktovik)	39	0.50	40	0.51	43	0.57
Sea Segment 1	n	0.00	2	0.02	15	0.17
Sea Segment 2	10	0.11	12	0.12	18	0.19
Sea Segment 3	5	0.05	9	0.10	27	0.32
Sea Segment 4	8	0.08	10	0.10	28	0.33
Sea Segment 5	1	0.01	4	0.04	20	0.23
Sea Segment 6	3	0.03	5	0.05	17	0.18
Sea Segment 7	8	0.08	9	0.10	19	0.22
Sea Segment 8	7	0.07	9	0.09	20	0.22
Sea Segment 9	n	0.00	n	0.00	9	0.09
Sea Segment 10	1	0.01	2	0.02	8	0.09
Sea Segment 11	2	0.02	3	0.03	5	0.06
Sea Segment 12	n	0.00	n	0.00	1	0.01
Sea Segment 13	n	0.00	n	0.00	n	0.00
Sea Segment 14	n	0.00	n	0.00	n	0.00

Note: n = less than 0.5 percent.

Table B-6.--Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting land or boundary segments over the expected production life of the lease area. Probabilities are for spills 1,000 barrels and greater. Oilspill contacts occurred during the winter season.

	15 days		30 days		winter	
Segment	prob	mean	prob	mean	prob	mean
20	n	0.00	n	0.00	3	0.03
21	n	0.00	n	0.00	3	0.03
22	n	0.00	n	0.00	4	0.04
23	n	0.00	n	0.00	2	0.02
24	n	0.00	n	0.00	2	0.02
25	n	0.00	n	0.00	1	0.01
26	n	0.00	n	0.00	4	0.04
27	n	0.00	n	0.00	4	0.04
29	n	0.00	n	0.00	1	0.01
32	n	0.00	n	0.00	31	0.38
33	n	0.00	n	0.00	14	0.15
34	n	0.00	n	0.00	3	0.03
35	n	0.00	n	0.00	2	0.02
36	n	0.00	n	0.00	1	0.01
38	n	0.00	n	0.00	n	0.01
39	n	0.00	n	0.00	14	0.15
40	n	0.00	n	0.00	1	0.01
41	n	0.00	n	0.00	2	0.02
42	n	0.00	n	0.00	2	0.02
43	n	0.00	n	0.00	3	0.03
44	n	0.00	n	0.00	2	0.02
81	n	0.00	n	0.00	19	0.21
82	n	0.00	n	0.00	44	0.58
83	n	0.00	n	0.00	24	0.28
85	n	0.00	n	0.00	1	0.01
88	n	0.00	n	0.00	9	0.09
89	n	0.00	n	0.00	18	0.20
90	n	0.00	n	0.00	22	0.25
91	n	0.00	n	0.00	25	0.29
92	n	0.00	n	0.00	19	0.21

Note: n = less than 0.5 percent. Segments with less than 0.5 percent probability of one or more contacts during the winter are not shown.

Table B-9.--Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting land or boundary segments over the expected production life of the lease area. Probabilities are for spills 10,000 barrels and greater. Oilspill contacts occurred during the winter season.

	15 days		30 days		winter	
Segment	prob	mean	prob	mean	prob	mean
20	n	0.00	n	0.00	1	0.01
21	n	0.00	n	0.00	1	0.01
22	n	0.00	n	0.00	2	0.02
23	n	0.00	n	0.00	1	0.01
24	n	0.00	n	0.00	1	0.01
26	n	0.00	n	0.00	2	0.02
27	n	0.00	n	0.00	2	0.02
32	n	0.00	n	0.00	15	0.16
33	n	0.00	n	0.00	6	0.07
34	n	0.00	n	0.00	1	0.01
35	n	0.00	n	0.00	1	0.01
39	n	0.00	n	0.00	6	0.06
41	n	0.00	n	0.00	1	0.01
42	n	0.00	n	0.00	1	0.01
43	n	0.00	n	0.00	1	0.01
44	n	0.00	n	0.00	1	0.01
81	n	0.00	n	0.00	9	0.09
82	n	0.00	n	0.00	22	0.25
83	n	0.00	n	0.00	11	0.12
88	n	0.00	n	0.00	4	0.04
89	n	0.00	n	0.00	8	0.08
90	n	0.00	n	0.00	10	0.10
91	n	0.00	n	0.00	12	0.12
92	n	0.00	n	0.00	8	0.09

Note: n = less than 0.5 percent. Segments with less than 0.5 percent probability of one or more contacts during the winter are not shown.