

AN OILSPILL RISK ANALYSIS FOR THE SOUTHERN CALIFORNIA
(PROPOSED SALE 68)
OUTER CONTINENTAL SHELF LEASE AREA

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Abstract

An oilspill risk analysis was conducted to determine the relative environmental hazards of developing oil in different regions of the Southern California (Proposed Sale 68) Outer Continental Shelf (OCS) lease area. The probability of spill occurrences, likely movement of oil slicks, and locations of resources vulnerable to spilled oil were analyzed. The times between spill occurrence and contact with various resources were also estimated. The combined results yielded estimates of the overall risks associated with development of the proposed lease area. Assuming that oil will be found in all three major subareas of the lease area, and depending upon the routes chosen to transport oil from OCS platforms to the shore, the leasing of the tracts proposed for OCS Sale 68 will result in an expected 1.1 to 1.2 oilspills (of 1,000 barrels or larger). The estimated probability that land will be contacted by one or more oilspills (of 1,000 barrels or larger) that have been at sea less than 30 days is 0.55 to 0.60, depending on the proposed transportation method chosen. If existing transportation of oil in the area is considered, these same probabilities increase to more than 0.99.

Introduction

The Federal Government has proposed to offer Outer Continental Shelf (OCS) lands off the Southern California coast for oil and gas leasing. The conditional mean estimate of oil resources for the proposed 221 tracts is 230 million barrels of crude oil. The conditional mean estimate is based on the assumption that oil occurs in commercial quantities in all three major subareas (Santa Barbara Channel, areas a1-a3; Inner Banks, areas a4-a6; and Outer Banks, areas a7-a10). Contingent upon actual discovery of oil, production is expected to span a period of 20 years. In addition to the proposed tracts, 207 existing Federal lease tracts were considered in this analysis.

Oilspills are a major problem 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 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 can not 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 on oil and gas production must be considered. In attempting to maintain perspective on the problem, each potential effect must also be associated with a quantitative estimate of its probability of occurrence.

This report summarizes results of an oilspill risk analysis conducted for the proposed Southern California OCS Lease Sale 68. 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 Bureau of Land Management (BLM), and to aid in the final selection of tracts to be offered for sale. A description of the oilspill trajectory analysis model used in this analysis can be found in previous papers (Lanfear and others, 1979; Smith and others, 1980). The analysis was conducted in three parts corresponding to different aspects of the overall problem. The first part dealt with the probability of oilspill occurrence, and the second with the trajectories of oilspills from potential launch points to various targets. Results of the first two parts of the analysis were then combined to give estimates of the overall oilspill risk associated with oil and gas production in the lease area.

Decisionmaking Under Risk and Uncertainty

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

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

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

Summary of the Proposed Action and the Major Alternatives

The proposed action is to lease 221 tracts on the Outer Continental Shelf off the Southern California coast. The study area for this analysis includes all of these tracts and extends from latitude 32 degrees N to 42 degrees N, and from longitude 117 degrees W to 126 degrees W. The study area also includes existing leases in the Southern California Bight plus the Santa Maria basin tracts included in Sale 53.

For purposes of this analysis, the Sale 68 area was divided into three major subareas: the Santa Barbara Channel, Inner Banks and Outer Banks. These subareas were divided into 10 subdivisions (a1-a10). The Santa Barbara Channel consists of areas a1 through a3, the Inner Banks include areas a4 through a6, and the Outer Banks include areas a7 through a10. The existing leases in the Southern California bight were divided into five subdivisions (b1-b5), and the Santa Maria basin tracts were also divided into five subdivisions (c1-c5). In addition, existing State leases (ST1 to ST5) were considered as potential launch points. The study area and the proposed Sale 68 tracts are shown on a Mercator projection in figure 1. The 10 subdivisions of the proposed tracts are shown in figure 2. The five subdivisions of the existing leases in the Southern California bight and the five existing State leases are shown in figure 3. The five subdivisions of the existing Sale 53 tracts in the Santa Maria basin are shown in figure 4.

If oil is discovered and the area is developed for oil production, oil can be transported to shore in a number of ways. Proposed and existing transportation routes are shown in figure 5. The OSTA model was run for two transportation scenarios. For areas a1 through a3, the transportation methods differed according to the scenario chosen. For all other areas, the transportation methods were same for both scenarios. The transportation scenarios for each lease tract group are shown in table 1. In some cases the proposed transportation route(s) do not intersect the subarea being considered in the transportation scenario. For these cases, the subarea itself can act not only as a source of spills from platforms but also as a source of spills from pipelines or tankers. This technique allows the subarea to link directly to the transportation network. This is an internal adjustment made in the model and is not shown in table 1.

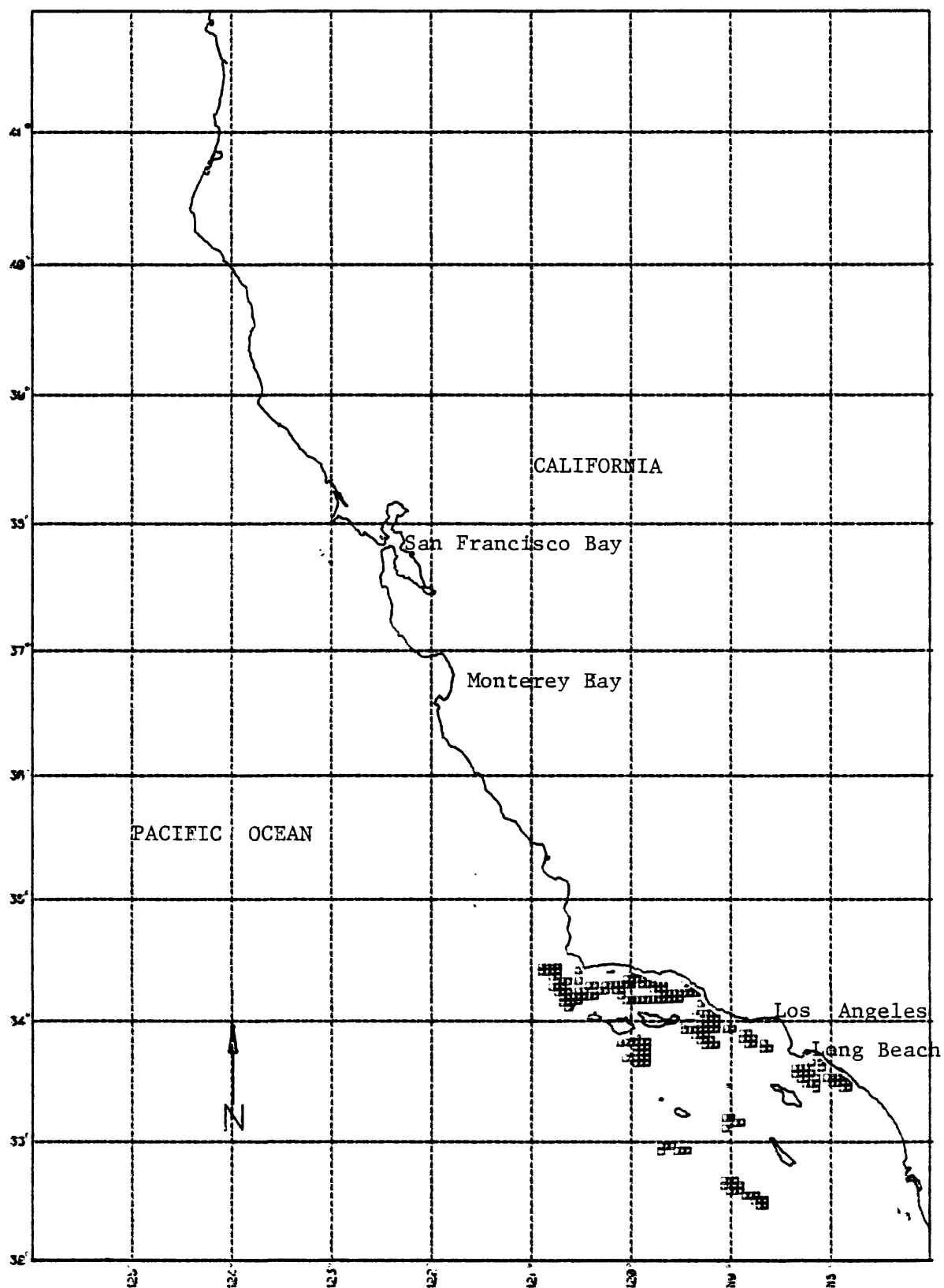


Figure 1.--Map showing the Southern California OCS Lease Sale 68 study area and the proposed tracts.

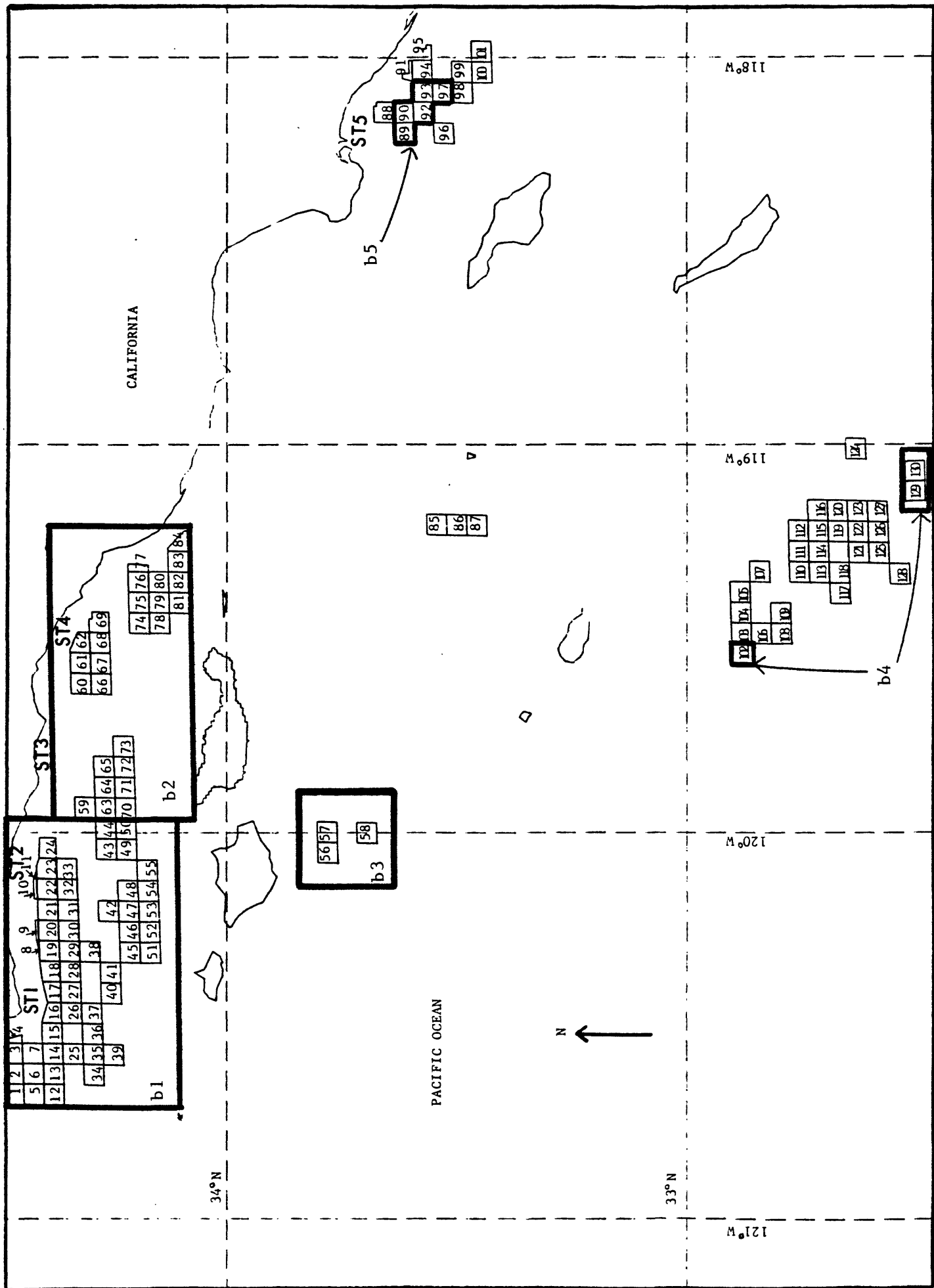


Figure 3.--Map showing the five subdivisions (b1-b5) of the existing leases (ST1-ST5) in the Southern California QCS Lease Sale 68. Tracts not included in any subdivision have been relinquished or expired as of February 1981. The locations of the five existing State leases (ST1-ST5) are also shown.

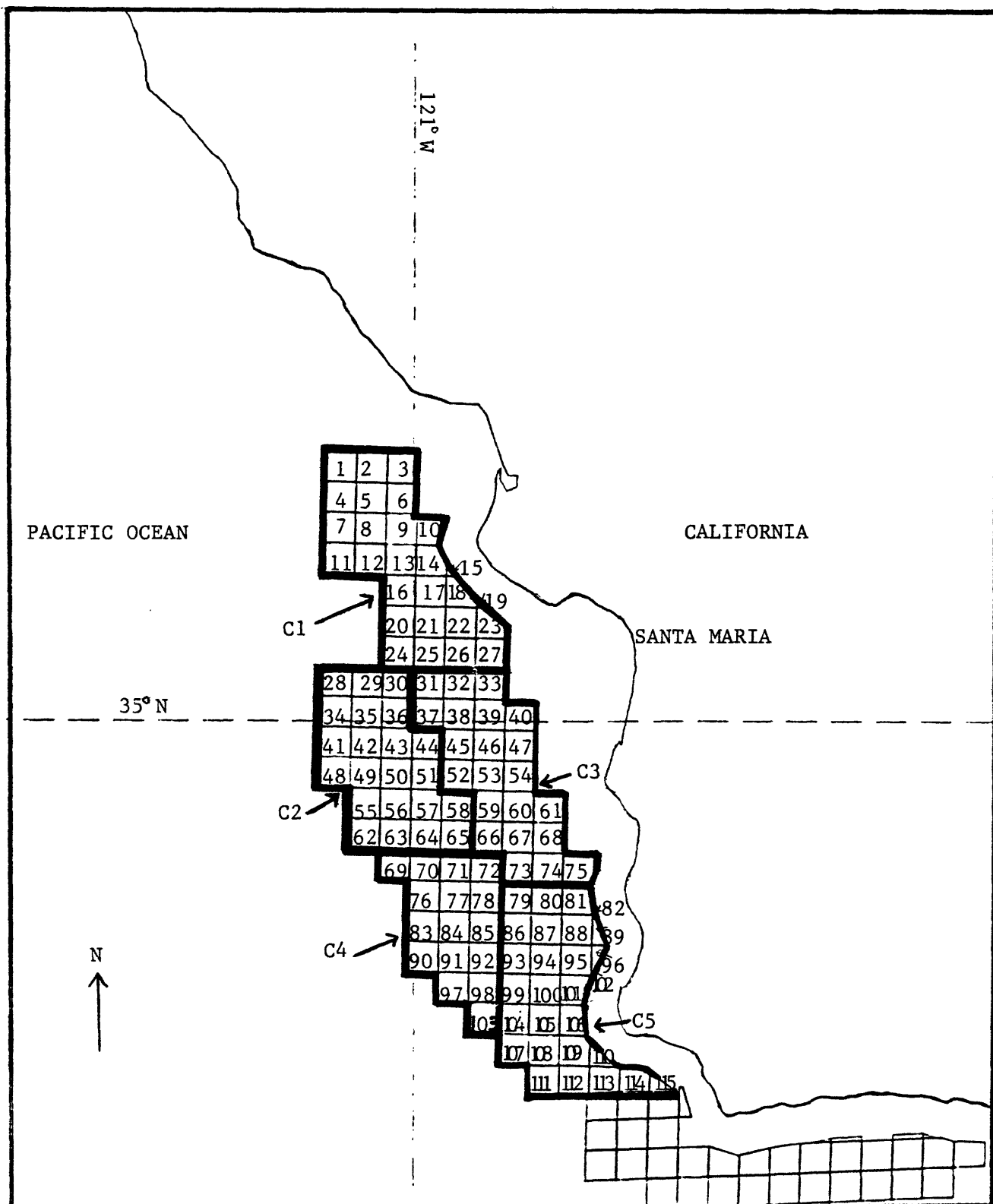


Figure 4.--Map showing five subdivisions (c1-c5) of the tracts (S1-S115) in the Santa Maria basin.

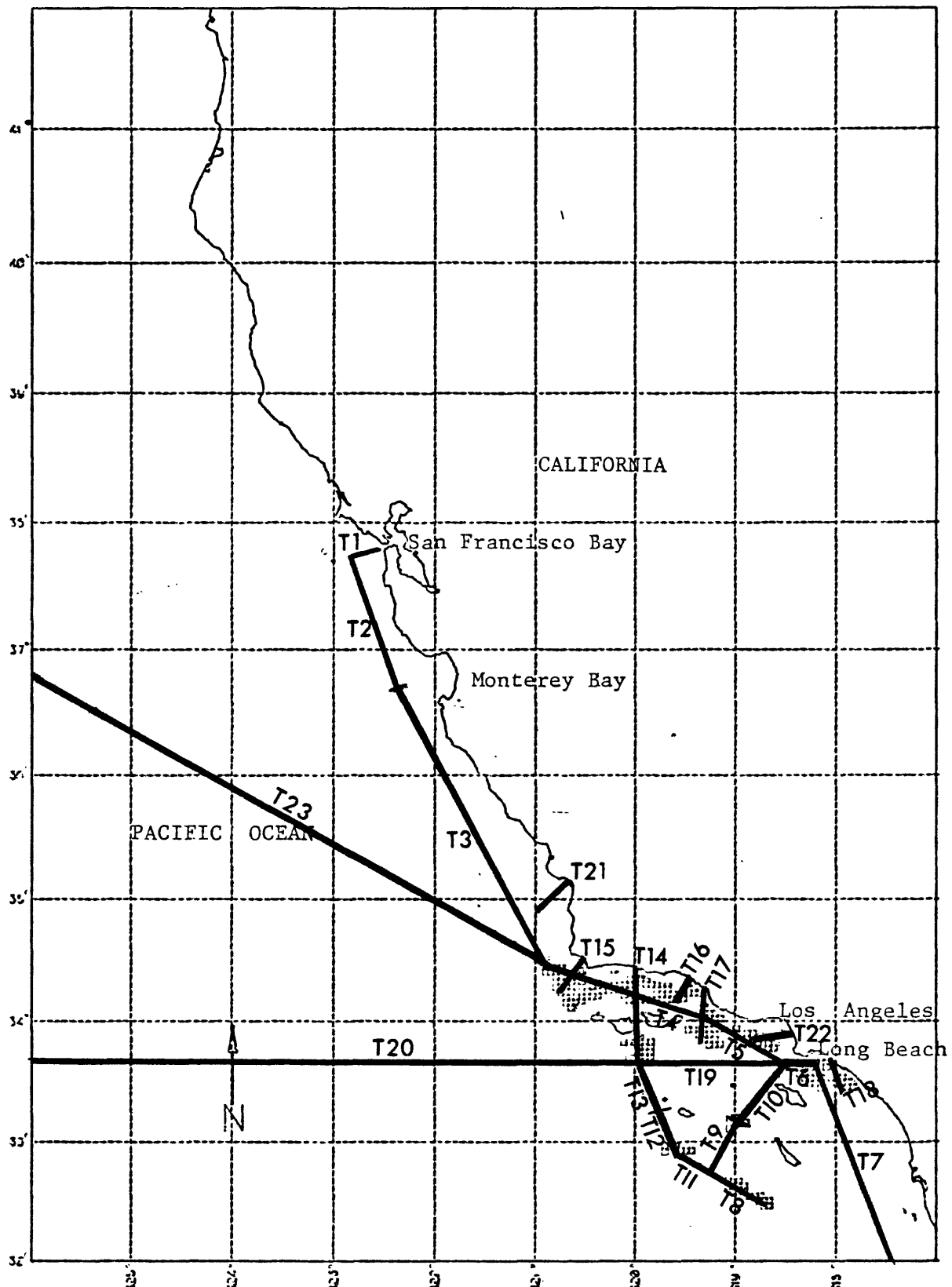


Figure 5.--Map showing the transportation route segments (T15 to T18 and T21, T22 are proposed pipelines; T1 to T14 and T19, T20, T23 are proposed tanker routes). Polygons represent proposed tracts and existing leases.

Table 1.--Transportation scenarios for the proposed
and existing lease tract groups.

Platform Location	Scenario	Transportation	Route(s)
a1	1	Pipeline	T15
a1	2	Tanker	T4,T5,T6
a2	1	Pipeline	T15,T16
a2	2	Tanker	T4,T5,T6
a3	1	Pipeline	T16
a3	2	Tanker	T5,T6
a4	1 and 2	Pipeline	T22
a5	1 and 2	Pipeline	T22
a6	1 and 2	Pipeline	T18
a7	1 and 2	Tanker	T19,T6
a8	1 and 2	Tanker	T10,T6
a9	1 and 2	Tanker	T11,T9,T10,T6
a10	1 and 2	Tanker	T8,T9,T10,T6
b1	1 and 2	Pipeline	T15
b2	1 and 2	Pipeline	T16
b3	1 and 2	Tanker	T19,T6
b4	1 and 2	Tanker	T11,T8,T9,T10,T6
b5	1 and 2	Pipeline	T18
c1	1 and 2	Pipeline	T21
c2	1 and 2	Pipeline	T21
c3	1 and 2	Pipeline	T21
c4	1 and 2	Pipeline	T21
c5	1 and 2	Pipeline	T21
ST1	1 and 2	Pipeline	*
ST2	1 and 2	Pipeline	*
ST3	1 and 2	Pipeline	*
ST4	1 and 2	Pipeline	*
ST5	1 and 2	Pipeline	*
Imported Oil	1 and 2	Tanker	T23,T4,T5,T6

*Oil from the State leases is piped directly to shore.

Environmental Resources

The locations of nine categories of biological, recreational and other resources (or targets, as they are designated in this paper) were digitized in the same coordinate system, or base map, as that used in trajectory simulations. Maps showing the digitized targets are shown in appendix A, figures A-1 to A-2. The monthly sensitivity of these targets was also recorded so that, for example, a target such as migrating birds could be contacted by simulated oilspills only when the birds would be present in the area. All targets are considered to be vulnerable year round unless otherwise indicated. The targets are listed below:

- Farallon Islands
- San Francisco area
- Anacapa Island
- Point Loma
- Dana Point
- Long Beach area
- Tanner Bank
- Cortez Bank
- Marine Sanctuary (includes a 3-mi buffer zone around San Miguel, Santa Rosa, Santa Cruz, and Santa Barbara Islands).

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

To provide a more detailed analysis for land or land-based targets, the model includes a feature that allows subdividing the coastline into land segments. Figure 6 shows the coastline divided into 56 segments of approximately equal length.

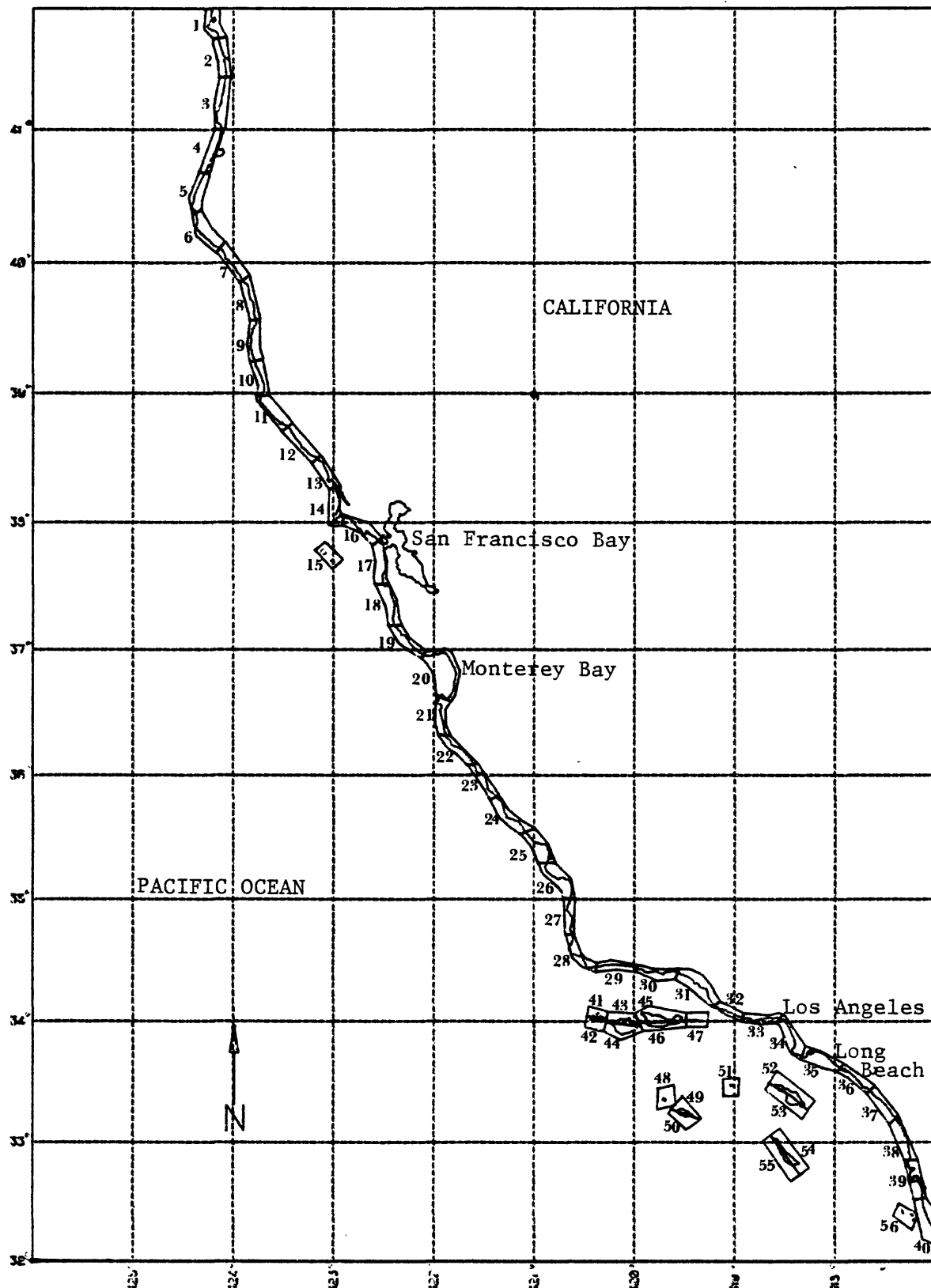


Figure 6.--Map showing the division of the Lease Sale 68 study area shoreline into 56 segments of approximately equal length.

Estimated Quantity of Oil Resources

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

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

The estimated oil resources used for oilspill risk calculations in this report correspond to those used by BLM in preparing the draft EIS for the area. These estimates are based on those derived by the USGS Conservation Division for the draft EIS, October 1980. For the entire proposed lease area, the conditional mean estimate of oil resources is 230 million barrels. This estimate is based on the assumption that oil occurs in all three major subareas (Santa Barbara Channel, Inner Banks, and Outer Banks). That oil will actually be found in all three subareas is, of course, not a certainty, nor is it even the most likely outcome. If, for example, the "condition", is changed to oil being found in at least one -- but not necessarily all subareas, the new conditional mean estimate becomes 123 million barrels. This estimate was also derived by the USGS Conservation for the draft EIS, October, 1980. Thus, the 230 million barrels is only one of many possible exploration outcomes, and has been chosen by BLM for comparing benefits and costs. Over the 20-year expected life of the Sale 68 leases, BLM estimates that 7.5 billion barrels of imported oil and 2.0 billion barrels of oil from existing sources will be produced and(or) transported in the study area.

Probability of Oilspills Occurring

The probability of oilspill occurrence is based on the fundamental assumption that realistic estimates of future spill frequencies can be based on past OCS experience. This analysis is based on the assumption that spills occur independently of each other as a Poisson process and that the spill rate is dependent upon the volume of oil produced or transported. This last assumption -- that spill rate is a function of the volume of oil handled -- might be modified on the basis of size, extent, frequency, or duration of the handling. In the case of tanker transport, for example, the number of port calls and the number of tanker-years have been contemplated (Stewart, 1976; Stewart and Kennedy, 1978). This analysis is based on volume of oil handled, since all other estimates must ultimately be derived from this quantity.

This analysis includes all types of spills resulting from OCS leasing. It considers not only well blowouts, but also other accidents on platforms, transportation of the oil to shore, and, in some cases, further transportation from an intermediate terminus to refineries. Including all of these risks allows the risks of the proposed OCS leasing to be compared to those of other alternatives, such as importing oil. Previous USGS data on OCS accidents, (Dannenberger, 1976; 1980) are included in the data base, but comprise only a part of the data.

In past model runs, only spills larger than 1,000 barrels (bbl) were considered. This cutoff limit has been criticized by environmental interests as understating the risks by being too high, and by oil industries as overstating the risks by being too low. Rather than assume that criticism from both sides implies a happy medium, this report examines, where the data permit, spills in three size ranges: 10,000 barrels or greater, 1,000 barrels or greater (which includes the first category), and between 50 and 1,000 barrels. To place these sizes in a rough perspective to the type of accident usually involved, spills in the largest category are usually associated with catastrophies such as large blowouts or shipwrecks. Accidents in the second category typically include those and other serious events, such as structural failures and collisions. Most accidents in the smallest size category involve such occurrences as valve failures and storage tank leaks on platforms and pipelines. The choice of which size range to use depends upon the analysis being performed. If, for example, a particular impact could occur only from a massive oil slick, then only large spills should be examined.

Accident rates for platforms on the U.S. OCS were derived from USGS accident files (USGS, 1979a and b), and from USGS production records (USGS, 1980). For spills of 1,000 barrels or larger, the period from 1964 to 1979 was used. In 1970, reporting procedures were revised to improve the reliability of data for smaller spills, so the period from 1970 to 1979 was used for spills between 50 and 1,000 barrels. Between 1964 and 1979, four spills of 10,000 barrels or larger occurred, and nine spills (including the four) of 1,000 barrels or larger occurred. During this period, U.S. OCS oil production was 4,386 million barrels occurred. Twenty-seven spills of 50 to 1,000 barrels occurred between 1970 and 1979, when 3,206 million barrels of oil were produced on the OCS.

USGS accident files are also a major source of data for pipeline accidents. As with platforms, the period from 1964 to 1979 was used for spills of 1,000 barrels or larger, and 1970 to 1979 for spills between 50 and 1,000 barrels. USGS files (1979a and b) include two spills over 10,000 barrels and seven spills (including the two) over 1,000 barrels. Devanney and Stewart (1976) report six additional pipeline spills, but all except one (of 1,020 barrels) occurred in coastal channels. Adding this one spill to the USGS data gives a total of eight spills 1,000 barrels or larger. From 1970 to 1979, the USGS files (1979a and b) report 11 spills between 50 and 1,000 barrels. Since nearly all oil produced on the U.S. OCS has been transported to shore by pipelines, the same production statistics used for platforms can be applied to the pipeline accident data.

Accident data and oil transportation data for tankers are not maintained by the USGS, so tanker accident rates must be derived from published literature. The worldwide tanker accident rate for spills of 1,000 barrels or larger, used in recent OSTA models, is from Stewart (1976): 178 spills in 45,941 million barrels of oil transported. Unfortunately, no detailed listing of these spills exists in the published literature. However, Devanney and Stewart (1974), examining tanker spills on major trade routes, reported 99 spills greater than 42,000 gallons (1,000 barrels), 87 spills greater than 100,000 gallons, and 32 spills greater than 1,000,000 gallons. Interpolation of this data gives about 53 spills greater than 10,000 barrels or about 54 percent of the 1,000-barrel spill rate. This estimate can be partially confirmed by listings of spills in the Oilspill Intelligence Report (1979) where, out of 22 spills of crude oil from bulk carriers reported for 1978 and 1979, and known or estimated to be larger than 1,000 barrels, 15, or 68 percent, were larger than 10,000 barrels. Therefore, a ratio of 60 percent of the 1,000-barrel rate appears reasonable, giving an estimated spill rate for 10,000 barrel and larger spills of 107 per 45,941 million barrels. Published data for tanker accidents do not permit an estimate to be made for tanker spills of 50 to 1,000 barrels, since reported rates typically include accidents in port

and other events that are not covered in this analysis. A comparison with platform and pipeline rates suggests a rate in the range of 10 to 20 spills per billion barrels, but this rate was not considered sufficiently accurate to use in the calculations that follow.

In summary, the spill rates used in this report are:

	Spills per billion barrels		
	50-1,000 bbl	>1,000 bbl	>10,000 bbl
Platforms	8.42	2.05	0.91
Pipelines	3.43	1.82	0.46
Tankers	n/a	3.87	2.32

Spill frequency estimates were calculated for production and transportation of oil from Sale 68, from existing leases, and for transportation of oil imported from other areas by tankers within the study area. The assumption was made that only one-half the spills from tanker transportation of imported oil occur within the study area and that the other half of the spills occur outside the study area. Table 2 shows the expected number of spills and the most likely number of spills that will occur during the expected production life of the lease area. Figure 7 shows the probability that 0, 1, 2, ..., N spills will occur.

Oilspill Trajectory Simulations

The trajectory simulation portion of the model consists of a large number of hypothetical oilspill trajectories that collectively represent both the general trend and the variability of winds and currents, and which can be described in statistical terms. Representations of the monthly surface-water velocity field were based upon data supplied by BLM. Short-term patterns in wind variability were characterized by probability matrices for successive 3-hour velocity transitions. A first-order Markov process with 41 wind velocity states (eight compass directions by five wind speed classes, and a calm condition) was assumed. Wind transition matrices were calculated from the U.S. Weather Service records from Arcata (station number 24283), Monterey (station number 23245), Vandenberg (station number 93214), San Nicolas Island (station number 93116), and San Diego (station number 93112), California. The study area was divided into zones that a simulated oilspill would, depending upon its location, be directed according to the matrix of the appropriate wind station.

Table 2. -- Oilspill probability estimates for spills greater than 1,000 and 10,000 barrels resulting from OCS Lease Sale 68, from existing Federal leases, or from imported oil transportation in the Southern California area.

	Expected number of spills (mean)		Most likely number of spills (mode)		Probability of one or more spills	
	>1,000	>10,000	>1,000	>10,000	>1,000	>10,000
Sale 68 (scenario 1)	1.1	0.5	1	0	0.67	0.39
Sale 68 (scenario 2)	1.2	0.6	1	0	0.70	0.45
Sale 68 plus existing leases and imports (scenario 1)	23.2	11.8	23	11	0.99+	0.99+
Sale 68 plus existing leases and imports (scenario 2)	23.3	11.9	23	11	0.99+	0.99+
Existing leases plus imports	22.3	11.5	22	11	0.99+	0.99+

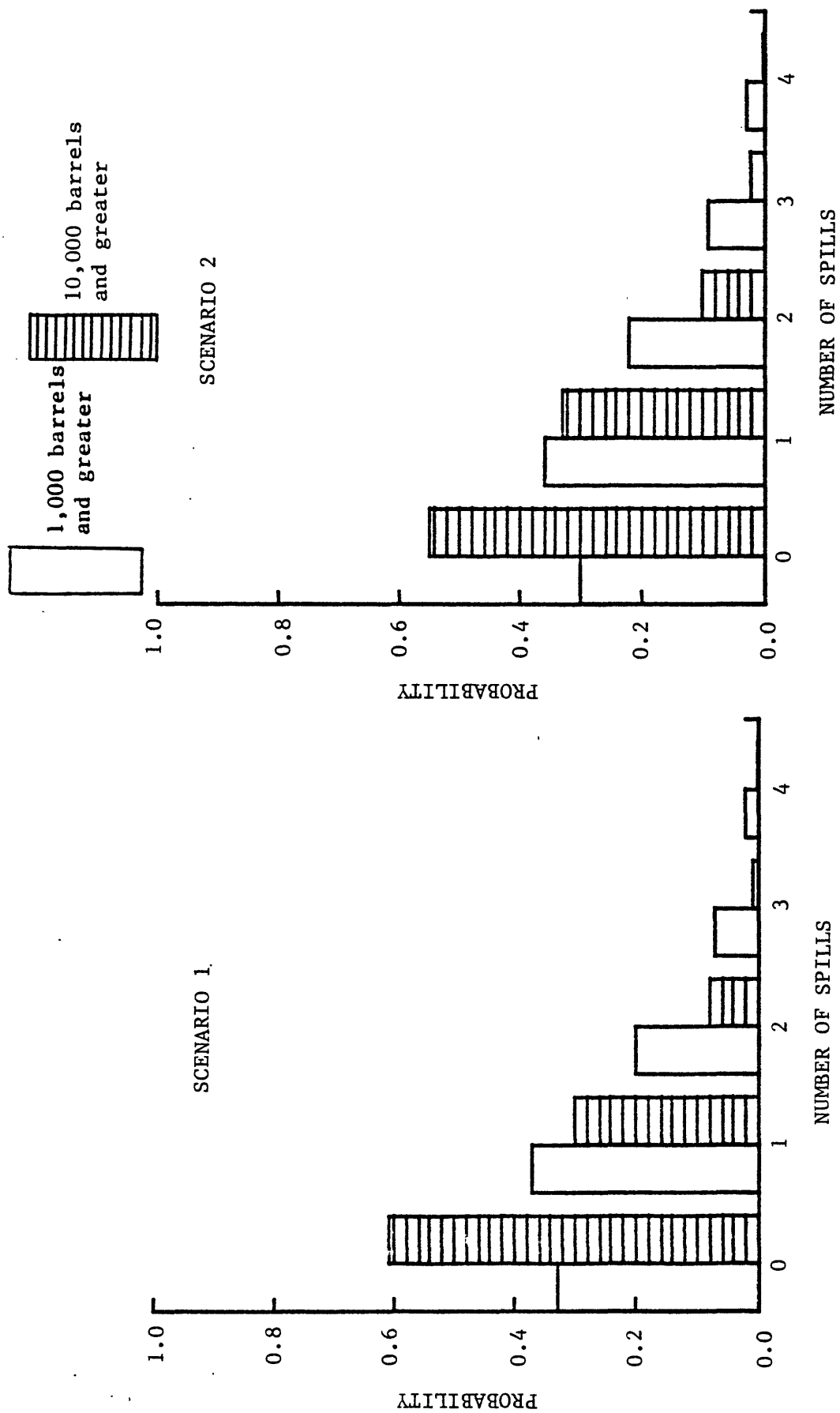


Figure 7.--Estimated frequency distribution for oil spills greater than 1,000 and 10,000 barrels occurring during the expected production life of the proposed lease area for Southern California OCS Lease Sale 68.

Fifty hypothetical oilspill trajectories were simulated in Monte-Carlo fashion for each of the four seasons from the center of each proposed and existing lease tract. For the oil transportation routes, 500 hypothetical oilspill trajectories were simulated for each of the four seasons. These potential spills were uniformly distributed along a straight line representing the transportation route. Surface transport of the oil slick for each spill was simulated as a series of straight-line displacements of a point under the joint influence of winds and currents for a 3-hour period. The wind transition probability matrix was randomly sampled each period for a new wind speed and direction, and the current velocity was updated as the spill changed location or the simulated month changed. The wind drift factor was taken to be 0.035 with a drift angle of 20 degrees clockwise. As the simulated oilspill was moved, any contacts with targets were recorded. Spill movement continued until the spill hit land, moved off the map, or aged more than 30 days.

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

The oilspill contact probabilities for the proposed tracts and existing leases were combined into groups designated by BLM. These designations reflect the existence of an oil resource estimate for each group. These estimates are based on those derived by the USGS Conservation Division for the draft EIS, October 1980. A complete listing of the oilspill contact probabilities to targets and land segments for each tract is listed in appendices B and C, respectively. A seasonal breakdown of the oilspill contact probabilities to land segments is listed in appendix D. Oil production at the State leases (ST1 to ST5) in the study area was within 3 miles of the shoreline, thus, oilspill trajectories were not simulated from these sites. Instead, it was assumed that the probability of an oilspill contacting the adjacent land segment or target from these sites was greater than 99.5 percent.

When calculating probabilities from Monte Carlo trials, an estimate should be made of the error associated with this technique. The calculation of the standard deviation \underline{s} , for a particular probability p is calculated as follows:

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

where N = number of trials. The shape of this distribution approximates the normal curve, thus, table 3 shows, for the 90-percent confidence level of this distribution, values of s as a function of p and N . When comparing two probabilities, the investigator should also test whether the two values are significantly different from each other. Figure 8 shows the results of this significance test, based on the formula above ($N = 200$, 90-percent confidence level). Points lying within the shaded portion of the graph are not significantly different from each other.

Each entry in tables 4, 5, and 6 represents the probability (expressed as percent chance) that, if a spill starts from a certain tract group or transportation route, it will contact a particular target within 3, 10, or 30 days, respectively. Tables 7, 8, and 9 present similar probabilities for land segments. These conditional probabilities allow for the possibility that the targets may not be vulnerable to oilspills for the entire year: a target that is vulnerable for only 1 month, for example, could have a conditional probability no higher than about 1/12.

Combined Analysis of Oilspill Occurrence and Oilspill Trajectory Simulations

Data in figure 7 indicate the probabilities of different numbers of oilspills occurring. Tables 4 to 9 indicate the probabilities that targets or land segments will be contacted, given that an oilspill occurs. Combining these two sets of probabilities yields estimates of the chances that oilspills will occur and contact targets or land segments.

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

Although oilspill rates are given for the spill size range of 50 to 1,000 barrels for platforms and pipelines, a spill rate for tanker accidents could not be estimated. Thus, only two oilspill size categories are considered in this analysis; those greater than 1,000 barrels and those greater than 10,000 barrels. Tables 10 and 11 show the probabilities (expressed as percent chance) of one or more oilspills (greater than 1,000 barrels), the most likely number of oilspills, and the expected number of oilspills occurring and

Table 3.--Monte Carlo error as a function of the number of trials
and the estimated probability.

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

Level of significance = 90 percent.

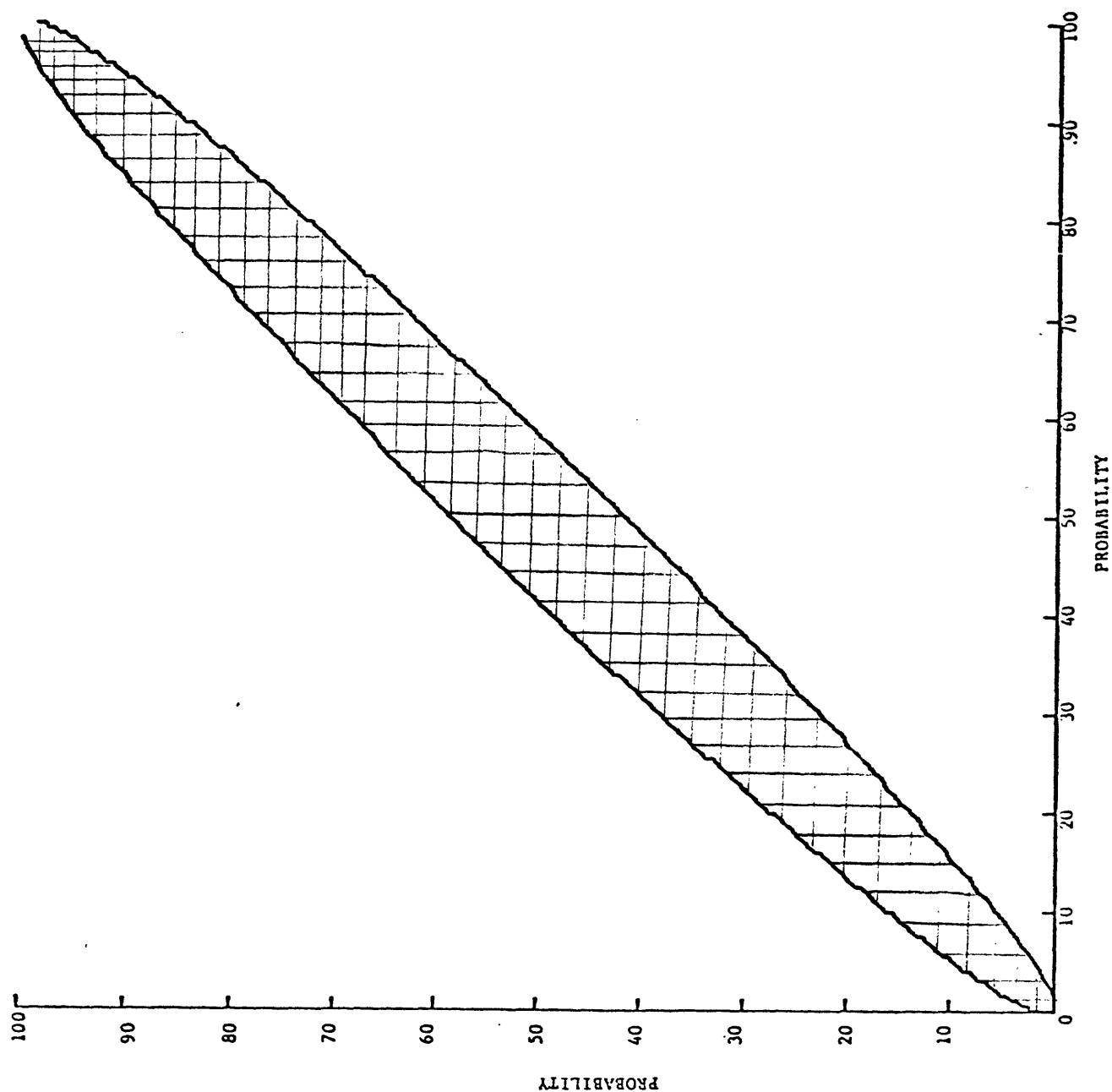


Figure 8.--Results of a significance test for any two probabilities (200 trials, 90-percent confidence level). Points lying within the shaded portion of the graph are not significantly different from each other.

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

Target	Hypothetical Spill Location																			
	a1	a2	a3	a4	a5	a6	a7	a8	a9	a10	b1	b2	b3	b4	b5	c1	c2	c3	c4	c5
Land	36	82	91	82	85	91	62	73	29	48	67	89	63	28	90	44	26	45	29	43
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	6	26	41	15	1	1	n	n	n	1	28	1	n	3	n	n	n	n	n
Point Loma	n	n	n	1	4	4	2	2	2	5	n	n	1	2	3	n	n	n	n	n
Dana Point	n	n	n	n	1	11	n	n	n	n	n	n	n	n	10	n	n	n	n	n
Long Beach	n	n	n	1	1	17	n	n	n	n	n	n	n	n	16	n	n	n	n	n
Lanner Bank	9	1	n	1	1	n	6	4	33	15	3	n	7	18	n	6	7	7	8	7
Cortez Bank	10	n	n	1	n	n	5	2	28	6	3	n	5	48	n	7	11	7	11	7
Marine Sanctuary	54	78	62	83	38	11	43	25	3	3	75	70	31	2	11	22	20	30	25	35
T1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
T2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
T3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
T4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
T5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	Hypothetical Spill Location																			
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20
Land	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	6	8	4	2	3	2	3	1	n	1	n	1	n	1	n	1	n	1	n	n
Dana Point	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	44	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	61	19	1	49	29	8	2	12	n	1	n	32	n	1	n	1	n	n
Cortez Bank	n	n	9	5	1	18	13	5	1	12	n	1	n	2	3	5	n	3	n	n
Marine Sanctuary	16	3	4	11	32	5	4	14	84	52	56	**	11	43	1	17	27	2	n	n
ST1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
ST2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
ST3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
ST4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
ST5	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 1. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 3 days.

Land Segment	Hypothetical Spill Location														
	a1	a2	a3	a4	a5	a6	a7	a8	a9	a10	b1	b2	b3	b4	b5
	c1	c2	c3	c4	c5	T1	T2	T3	T4	T5					
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	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	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
29	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	5	7	n	n	n	n	n	n	n	n	n	n	n	n
31	n	n	16	3	n	n	n	n	n	n	n	n	n	n	1
32	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n
33	n	n	n	3	n	n	n	n	n	n	n	n	n	n	1
34	n	n	n	n	3	n	n	n	n	n	n	n	n	n	1
35	n	n	n	n	n	9	n	n	n	n	n	n	n	n	n
36	n	n	n	n	n	14	n	n	n	n	n	n	n	n	n
37	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n
41	9	1	n	n	n	n	n	n	n	n	8	n	n	n	n
42	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n
43	4	6	n	n	n	n	n	n	n	n	10	n	n	n	n
44	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n
45	n	12	8	n	n	n	n	n	n	n	6	8	n	n	n
46	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
47	n	n	7	10	1	n	n	n	n	n	n	6	n	n	n
48	n	n	n	n	n	n	5	n	n	n	n	n	7	n	n
49	n	n	n	n	n	n	4	3	n	n	n	n	3	n	n
51	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
52	n	n	n	n	4	5	n	n	n	n	n	n	n	n	6
54	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n
55	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																
	16	17	18	19	110	111	112	113	114	115	116	117	118	119	120	121	122
26	n	n	n	n	n	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	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
31	n	n	n	n	n	n	n	n	n	14	2	n	n	n	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	2	n	n	n	n	n	n	n	n	n	n	n	1	n	n	18	n
35	/	1	n	n	n	n	n	n	n	n	n	n	14	n	n	n	n
36	1	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n
37	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
41	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	n	n
42	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
43	n	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n
44	n	n	n	n	n	n	n	n	13	n	n	n	n	n	n	n	n
45	n	n	n	n	n	n	n	n	19	n	n	4	n	n	n	n	n
46	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
47	n	n	n	n	n	n	n	n	n	n	3	21	n	n	n	n	n
48	n	n	n	n	n	n	3	21	1	n	n	n	n	1	1	n	n
49	n	n	n	1	1	n	5	7	1	n	n	n	n	1	n	n	n
50	n	n	n	n	n	n	5	1	n	n	n	n	n	n	n	n	n
51	n	n	n	n	3	n	n	n	n	n	n	n	n	3	n	n	n
52	/	2	n	n	18	n	n	n	n	n	n	n	2	7	n	3	n
53	n	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n
56	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Land Segment	a1	a2	a3	a4	a5	a6	a7	a8	a9	a10	b1	b2	b3	b4	b5	c1	c2	c3	c4	c5	T1	T2	T3	T4	T5
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	1	n	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	5	n	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	37	9	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	24	29	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	13	3	n	n
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	2	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	4	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	1	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	1	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	1	2	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	1	6	1	3	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	4	n	n	n	n	n	n	n
28	1	4	n	n	n	n	n	n	n	n	6	1	n	n	n	2	1	5	1	7	n	n	n	3	n
29	n	4	1	n	n	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	1	n
30	n	9	16	2	n	n	n	n	n	1	17	n	n	n	n	n	n	n	n	n	n	n	n	4	1
31	n	1	21	6	3	n	n	n	n	n	12	n	n	n	n	n	n	n	n	n	n	n	n	1	3
32	n	n	n	2	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
33	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
34	n	n	n	1	6	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	11	n	n	n	n	n	n	n	n	12	n	n	n	n	n	n	n	n	n	n
36	n	n	n	n	1	16	n	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n	n	1
37	n	n	n	n	1	13	n	n	n	n	n	n	n	n	15	n	n	n	n	n	n	n	n	n	1
38	n	n	n	n	2	12	n	n	n	n	n	n	n	n	14	n	n	n	n	n	n	n	n	n	2
39	n	n	n	n	1	4	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	1
40	n	n	n	n	n	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
41	11	4	n	n	n	n	n	n	n	13	1	n	n	n	n	3	7	8	8	11	n	n	1	7	n
42	1	n	n	n	n	n	1	n	n	n	1	n	1	n	n	1	1	1	1	1	n	n	n	1	n
43	6	16	2	n	3	n	n	n	n	19	4	n	n	n	n	n	n	n	n	n	n	n	n	9	n
44	n	n	n	3	2	n	4	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	2
45	1	29	18	2	n	n	n	n	n	14	21	n	n	n	n	n	n	n	n	n	n	n	n	25	1
46	n	n	n	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
47	n	2	14	18	6	n	n	n	n	n	13	n	n	n	1	n	n	n	n	n	n	n	n	9	12
48	1	n	n	n	n	10	1	n	n	n	n	15	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	1	n	n	11	6	2	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n	n
50	n	n	n	n	n	n	n	2	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	n	2	2	n	3	5	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	2
52	n	n	n	3	15	14	1	2	n	n	n	n	n	n	13	n	n	n	n	n	n	n	n	n	14
53	n	n	n	1	1	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
54	n	n	n	n	n	n	n	1	10	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	n	n	n	2	12	3	7	n	n	2	3	n	n	n	n	n	n	n	n	n	n	n
56	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																							
	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23	ST1	ST2	ST3	ST4	ST5	
24	n	n	n	n	n	n	n	n	n	n	n	n	n	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	n	3	n	n	n	n	n	n	n	
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	n	n	n	n	n	n	n	
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20	n	n	n	n	n	n	n	
28	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	3	n	n	**	n	n	n	n	
29	n	n	n	n	n	n	n	n	2	n	1	n	n	n	n	n	n	n	n	**	n	n	n	
30	n	n	n	n	n	n	n	n	2	n	20	6	n	n	n	n	n	n	n	n	**	n	n	
31	n	n	n	n	n	n	n	n	n	n	21	6	n	n	n	n	n	1	n	n	n	**	n	
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n	n	n	n	n	n	
34	2	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	21	n	n	n	n	n	**	
35	/	1	n	n	n	n	n	n	n	n	n	n	16	n	n	n	1	n	n	n	n	n	n	
36	4	1	n	n	n	n	n	n	n	n	n	n	9	n	n	n	1	n	n	n	n	n	n	
37	7	3	n	n	1	n	n	n	n	n	n	n	13	n	n	n	2	n	n	n	n	n	n	
38	11	4	n	n	1	n	n	n	n	n	n	n	15	1	n	n	3	n	n	n	n	n	n	
39	5	5	n	n	n	n	n	n	n	n	n	n	3	n	n	n	1	n	n	n	n	n	n	
40	1	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
41	n	n	n	n	n	n	n	n	1	9	n	n	n	n	n	n	4	n	n	n	n	n	n	
42	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	1	n	n	n	n	n	n	n	
43	n	n	n	n	n	n	n	n	14	n	2	n	n	n	n	n	n	n	n	n	n	n	n	
44	n	n	n	n	1	n	n	n	14	n	n	1	n	2	n	n	1	n	n	n	n	n	n	
45	n	n	n	n	n	n	n	n	26	n	18	5	n	n	n	n	n	n	n	n	n	n	n	
46	1	n	n	n	n	n	n	n	1	n	n	1	n	1	n	n	n	1	n	n	n	n	n	
47	1	n	n	n	1	n	n	n	1	n	9	29	n	1	n	n	4	n	n	n	n	n	n	
48	n	n	n	1	1	n	4	26	2	1	n	n	n	3	1	n	n	n	n	n	n	n	n	
49	n	n	n	3	2	1	7	12	2	1	n	1	n	5	1	n	n	n	n	n	n	n	n	
50	n	n	1	1	n	1	6	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
51	1	n	n	1	7	n	1	2	1	n	n	2	n	6	n	n	1	n	n	n	n	n	n	
52	17	8	n	n	22	n	n	n	n	n	n	1	12	14	n	n	11	n	n	n	n	n	n	
53	n	n	n	1	9	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	
54	n	n	1	5	4	1	1	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	
55	n	n	5	13	3	4	4	1	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	
56	1	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

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

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

Land Segment	Hypothetical Spill Location																								
	a1	a2	a3	a4	a5	a6	a7	a8	a9	a10	b1	b2	b3	b4	b5	c1	c2	c3	c4	c5	T1	T2	T3	T4	T5
11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	4	1	n	n
12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	n
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	2	n	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	10	2	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	38	9	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2/	32	1	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	16	5	n	n
20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	3	n	n
21	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	1	n	n	n	5	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	5	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	1	n	n
24	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3	2	2	1	n	n	2	n	n
25	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	2	4	2	3	n	n	n	n	n
26	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	11	1	8	2	5	n	n	2	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	1	4	n	1	n	n	n	n	n
28	1	4	1	n	n	n	n	n	n	n	6	1	n	n	n	3	1	6	2	7	n	n	1	3	n
29	n	4	2	n	n	n	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	1	n
30	n	9	16	3	1	n	n	n	n	n	1	18	n	n	n	n	n	n	n	n	n	n	n	5	2
31	n	2	23	7	4	n	n	n	n	n	14	n	n	n	n	n	n	n	n	n	n	n	n	1	4
32	n	n	n	3	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3
33	n	n	n	1	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3
34	n	n	n	3	7	1	1	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	1	3
35	n	n	n	n	n	11	n	n	n	n	n	n	n	n	12	n	n	n	n	n	n	n	n	1	1
36	n	n	n	n	1	16	n	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n	1	1
37	n	n	n	1	2	14	1	1	n	1	n	n	1	n	16	n	n	n	n	n	n	n	n	1	1
38	n	n	n	2	4	12	1	2	n	2	n	n	2	n	16	n	n	n	n	n	n	n	n	n	5
39	n	n	n	1	3	4	2	2	1	3	n	n	2	1	4	n	n	n	n	n	n	n	n	n	3
40	n	n	n	1	3	3	1	2	2	5	n	n	1	2	2	5	8	10	9	12	n	n	3	8	2
41	11	4	1	n	n	n	n	n	n	n	13	2	n	n	n	2	1	1	1	1	n	n	n	1	n
42	1	n	n	n	n	n	n	n	n	n	1	n	2	n	n	2	1	1	1	2	n	n	n	10	n
43	6	18	5	1	1	n	n	n	n	n	20	6	n	n	n	1	n	n	n	n	n	n	n	10	n
44	n	n	n	3	3	1	4	n	n	n	n	26	n	n	1	n	n	n	n	n	n	n	n	2/	3
45	1	34	22	4	1	n	n	n	n	n	15	n	n	n	n	n	n	n	n	n	n	n	n	10	13
46	n	n	n	3	2	1	1	n	n	n	n	15	1	n	n	n	n	n	n	n	n	n	n	2	2
47	n	4	16	20	7	1	13	5	1	1	n	17	n	n	1	1	1	1	1	1	n	n	n	1	2
48	3	n	n	2	2	1	14	9	3	2	1	n	12	2	1	1	1	1	1	1	n	n	n	1	2
49	2	n	n	4	1	n	1	2	2	1	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n
50	1	n	n	1	n	n	5	10	1	1	n	1	4	1	n	n	n	n	n	1	n	n	n	n	n
51	1	n	n	5	3	2	3	2	4	1	n	1	4	1	15	n	n	n	n	n	n	n	n	n	4
52	1	n	1	8	17	16	3	4	1	1	n	1	4	1	1	n	n	n	n	n	n	n	n	n	16
53	1	n	n	1	4	1	2	4	1	1	n	1	1	n	1	n	n	n	n	n	n	n	n	n	2
54	1	n	n	1	1	n	4	12	3	6	n	n	4	4	n	n	n	n	1	n	n	n	n	n	1
55	2	n	n	1	1	n	6	16	8	11	1	n	4	8	1	1	1	1	3	2	n	n	n	1	1
56	1	n	n	2	4	2	2	3	4	10	n	n	3	4	4	n	n	n	1	1	n	n	n	n	4

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

Land Segment	Hypothetical Spill Location															
	I6	I7	I8	I9	I10	I11	I12	I13	I14	I15	I16	I17	I18	I19	I20	I21
24	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1
25	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	4
26	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	26
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20
28	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	4
29	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	3	n	/	n	n	n	n
31	1	n	n	n	1	n	n	n	n	n	23	8	n	1	n	n
32	n	n	n	n	1	n	n	n	n	n	n	1	n	1	n	n
33	n	n	n	n	1	n	n	n	n	n	n	1	n	1	n	n
34	2	n	n	n	n	n	n	n	n	n	n	3	1	n	n	10
35	7	1	n	n	n	n	n	n	n	n	n	1	n	n	n	21
36	4	2	n	n	n	n	n	n	n	n	n	n	16	n	n	1
37	7	3	n	n	n	n	n	n	n	n	n	n	10	n	n	1
38	12	5	1	2	4	1	1	1	n	n	n	1	14	1	n	2
39	8	6	2	2	2	1	2	1	n	n	n	1	16	2	n	5
40	4	8	4	2	3	2	2	2	n	1	n	1	5	2	n	3
41	n	n	n	n	n	n	n	n	n	2	9	1	2	2	n	4
42	n	n	n	n	n	n	n	n	n	1	3	n	n	n	n	1
43	n	n	n	n	n	n	n	n	n	15	n	4	1	n	n	n
44	1	n	n	1	2	n	n	n	n	14	n	2	1	3	n	2
45	n	n	n	n	n	n	n	n	n	29	n	23	8	n	n	1
46	1	n	n	n	n	n	n	n	n	2	n	n	1	n	n	2
47	2	n	n	n	1	n	n	n	n	n	11	32	1	2	n	5
48	2	n	1	3	3	2	5	29	4	4	n	1	1	6	2	2
49	1	n	2	5	5	3	9	14	3	3	n	2	1	8	1	1
50	n	n	1	2	n	2	6	2	n	1	n	n	3	n	n	n
51	2	n	1	3	9	1	1	4	2	1	n	3	1	9	1	3
52	18	13	1	2	24	1	1	2	1	1	n	6	14	18	n	13
53	1	1	1	2	10	1	1	1	n	n	n	2	n	4	n	1
54	n	1	4	8	6	4	3	3	1	1	n	1	n	3	n	1
55	n	1	10	19	4	9	8	5	1	3	n	1	n	3	1	1
56	/	16	8	5	4	5	4	2	n	1	n	1	4	3	n	3

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

Table 10.--Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting targets over the production life of the lease area, scenario 1, spills 1000 barrels or larger.

Target	Within 3 days		Within 10 days		Within 30 days	
	Proposed	Existing and Proposed	Proposed	Existing and Proposed	Proposed	Existing and Proposed
	Prob	Mode Mean	Prob	Mode Mean	Prob	Mode Mean
Land	20	0 0.2	41	0 0.5	55	0 0.8
Farallon Islands	n	0 0.0	n	0 0.0	n	0 0.0
San Francisco	n	0 0.0	n	0 0.0	n	0 0.0
Anacapa Island	4	0 0.0	7	0 0.1	8	0 0.1
Point Loma	n	0 0.0	1	0 0.0	3	0 0.0
Dana Point	1	0 0.0	2	0 0.0	2	0 0.0
Long Beach	5	0 0.1	5	0 0.1	5	0 0.1
Tanner Bank	4	0 0.0	5	0 0.1	7	0 0.1
Cortez Bank	1	0 0.0	1	0 0.0	3	0 0.0
Marine Sanctuary	17	0 0.2	26	0 0.3	30	0 0.4

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

Target	Within 3 days		Within 10 days		Within 30 days	
	Proposed	Existing and Proposed	Proposed	Existing and Proposed	Proposed	Existing and Proposed
Land	22	0	0.2	**	5	5.4
Farallon Islands	n	0	0.0	n	0	0.0
San Francisco	n	0	0.0	n	0	0.0
Anacapa Island	7	0	0.1	66	1	1.1
Point Loma	n	0	0.0	n	0	0.0
Pana Point	1	0	0.0	4	0	0.0
Long Beach	6	0	0.1	93	2	2.7
Lanner Bank	4	0	0.0	4	0	0.0
Cortez Bank	1	0	0.0	1	0	0.0
Marine Sanctuary	20	0	0.2	98	3	3.9

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contacting targets within periods of 3, 10, and 30 days, over the expected production life of the lease area for transportation scenarios 1 and 2, respectively. Tables 12 and 13 show similar probabilities for oilspills greater than 10,000 barrels. Tables 14 and 15 show the probabilities of contacting land segments for spills greater than 1,000 barrels. Tables 16 and 17 show similar probabilities for spills of 10,000 barrels or larger. These tables show probabilities for the proposed lease tracts plus a cumulative analysis of proposed and existing tracts and imported oil. A cumulative analysis places the proposed action in context with the present circumstances. This approach allows for a quantitative comparison of oilspill risks from different sources.

The overall probabilities are also shown graphically in appendices E and F. Figures E-1 through E-8 are histograms that show probabilities of 1, 2, ... N spills occurring and contacting specific targets within periods of 3, 10, and 30 days for each transportation scenario. Figures F-1 through F-6 indicate, through circles superimposed on maps of the coastline, the probabilities of one or more spills occurring and contacting land segments within 3, 10, and 30 days, for both scenarios.

Discussion of Results

Sale of the proposed tracts will result in a 0.55 probability of one or more oilspills greater than 1,000 barrels occurring and contacting land within 30 days for scenario 1. If scenario 2 is chosen, this probability increases to 0.60. Since the probabilities for contact within 3 days are 0.20 and 0.22, respectively, a moderate chance exists that a spill could hit land without having undergone a substantial amount of weathering. If oilspills greater than 10,000 barrels are considered, the probability of one or more spills occurring and contacting land within 30 days is 0.30 to 0.37, depending upon the scenario chosen.

The distribution of risks to land for the proposed sale are concentrated along shoreline segments south of Monterey Bay, Calif. This is because the majority of the tracts are located in the Santa Barbara Channel. In addition, the general direction of surface currents off the California coast is to the south. For the proposed sale, the risks of contact to a particular shoreline segment are low (about 1 to 5 percent). The area most likely to be contacted is the northern half of Santa Catalina Island. The probability of one or more spills (greater than 1,000 barrels) occurring and contacting this area is 0.10 to 0.12 (for contact within 30 days), depending upon the scenario. When the production and transportation of existing sources of oil plus imports are considered, the risks to individual shoreline segments are increased dramatically.

Table 12.---Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting targets over the production life of the lease area, scenario 1, spills 10,000 barrels or larger.

Target	----- Within 3 days -----			----- Within 10 days -----			----- Within 30 days -----		
	Proposed		Existing and Proposed	Proposed		Existing and Proposed	Proposed		Existing and Proposed
	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean
Land	9	0	0.1	89	2	2.2	30	0	0.4
Farallon Islands	n	0	0.0	n	0	0.0	n	0	0.0
San Francisco	n	0	0.0	n	0	0.0	n	0	0.0
Anacapa Island	1	0	0.0	42	0	0.6	3	0	0.0
Point Loma	n	0	0.0	n	0	0.0	1	0	0.0
Dana Point	n	0	0.0	2	0	0.0	1	0	0.0
Long Beach	2	0	0.0	63	0	1.0	2	0	0.0
Janner Bank	2	0	0.0	3	0	0.0	4	0	0.0
Cortez Bank	n	0	0.0	n	0	0.0	1	0	0.0
Marine Sanctuary	/	0	0.1	86	1	2.0	14	0	0.1

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

Table 13.--Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting targets over the production life of the lease area, scenario 2, spills 10,000 barrels or larger.

Target	----- Within 3 days -----			----- Within 10 days -----			----- Within 30 days -----											
	Proposed		Existing and Proposed	Proposed		Existing and Proposed	Proposed		Existing and Proposed									
	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean						
Land	11	0	0.1	89	2	2.2	26	0	0.3	98	3	3.8	37	0	0.5	99	4	5.0
Farallon Islands	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	1	0	0.0
San Francisco	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0	n	0	0.0
Anacapa Island	4	0	0.0	44	0	0.6	5	0	0.1	52	0	0.7	6	0	0.1	55	0	0.8
Point Loma	n	0	0.0	n	0	0.0	n	0	0.0	2	0	0.0	2	0	0.0	8	0	0.1
Dana Point	n	0	0.0	2	0	0.0	1	0	0.0	4	0	0.0	1	0	0.0	4	0	0.0
Long Beach	3	0	0.0	63	0	1.0	3	0	0.0	63	1	1.0	3	0	0.0	64	1	1.0
Tanner Bank	2	0	0.0	3	0	0.0	3	0	0.0	4	0	0.0	4	0	0.0	20	0	0.2
Cortez Bank	n	0	0.0	n	0	0.0	1	0	0.0	3	0	0.0	1	0	0.0	25	0	0.3
Marine Sanctuary	11	0	0.1	87	2	2.0	17	0	0.2	93	2	2.7	19	0	0.2	95	2	3.0

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

Table 14.--Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting land segments over the production life of the lease area, scenario 1, spills 1000 barrels or larger.

Land Segment	----- Within 3 days -----			----- Within 10 days -----			----- Within 30 days -----		
	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean
21	n	0	0.0	n	0	0.0	n	0	0.0
22	n	0	0.0	n	0	0.0	n	0	0.0
23	n	0	0.0	n	0	0.0	n	0	0.0
24	n	0	0.0	n	0	0.0	n	0	0.0
25	n	0	0.0	n	0	0.0	n	0	0.0
26	n	0	0.0	n	0	0.0	n	0	0.0
27	n	0	0.0	n	0	0.0	n	0	0.0
28	n	0	0.0	n	0	0.0	n	0	0.0
29	n	0	0.0	n	0	0.0	n	0	0.0
30	1	0	0.0	3	0	0.5	4	0	0.0
31	3	0	0.0	27	0	0.3	39	0	0.5
32	n	0	0.0	1	0	0.0	4	0	0.0
33	n	0	0.0	2	0	0.0	4	0	0.0
34	1	0	0.0	3	0	0.0	1	0	0.0
35	2	0	0.0	91	2	2.5	92	2	2.5
36	2	0	0.0	6	0	0.1	3	0	0.0
37	1	0	0.0	1	0	0.0	13	0	0.1
38	n	0	0.0	n	0	0.0	16	0	0.2
39	n	0	0.0	n	0	0.0	6	0	0.1
40	n	0	0.0	n	0	0.0	1	0	0.0
41	n	0	0.0	17	0	0.2	2	0	0.0
42	n	0	0.0	2	0	0.0	4	0	0.0
43	n	0	0.0	16	0	0.2	2	0	0.0
44	n	0	0.0	n	0	0.0	4	0	0.0
45	2	0	0.0	45	0	0.6	70	1	1.2
46	n	0	0.0	n	0	0.0	4	0	0.0
47	2	0	0.0	35	0	0.4	52	0	0.7
48	n	0	0.0	n	0	0.0	3	0	0.0
49	n	0	0.0	1	0	0.0	3	0	0.0
50	n	0	0.0	n	0	0.0	n	0	0.0
51	1	0	0.0	1	0	0.0	6	0	0.1
52	4	0	0.0	17	0	0.2	36	0	0.4
53	1	0	0.0	1	0	0.0	4	0	0.0
54	n	0	0.0	n	0	0.0	3	0	0.0
55	1	0	0.0	1	0	0.0	3	0	0.0
56	n	0	0.0	n	0	0.0	1	0	0.0

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

Table 15.---Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting land segments over the production life of the lease area, scenario 2, spills 1000 barrels or larger.

Land Segment	----- Within 3 days -----			----- Within 10 days -----			----- Within 30 days -----		
	Proposed		Existing and	Proposed		Existing and	Proposed		Existing and
	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean
21	n	0	0.0	n	0	0.0	n	0	0.0
22	n	0	0.0	n	0	0.0	n	0	0.0
23	n	0	0.0	n	0	0.0	n	0	0.0
24	n	0	0.0	n	0	0.0	n	0	0.1
25	n	0	0.0	n	0	0.0	n	0	0.1
26	n	0	0.0	n	0	0.0	n	0	0.2
27	n	0	0.0	n	0	0.1	n	0	0.1
28	n	0	0.0	n	0	0.1	n	0	0.2
29	n	0	0.0	n	0	0.0	n	0	0.1
30	1	0	0.0	41	0	0.5	3	0	0.9
31	2	0	0.0	26	0	0.3	4	0	0.6
32	n	0	0.0	1	0	0.0	1	0	0.1
33	n	0	0.0	2	0	0.0	1	0	0.1
34	1	0	0.0	3	0	0.0	2	0	0.1
35	2	0	0.0	91	2	2.5	3	0	2.5
36	2	0	0.0	6	0	0.1	3	0	0.1
37	1	0	0.0	1	0	0.0	4	0	0.2
38	n	0	0.0	n	0	0.0	5	0	0.3
39	n	0	0.0	n	0	0.0	3	0	0.2
40	n	0	0.0	n	0	0.0	3	0	0.1
41	1	0	0.0	17	0	0.2	1	0	0.5
42	n	0	0.0	2	0	0.0	n	0	0.1
43	n	0	0.0	16	0	0.2	2	0	0.5
44	n	0	0.0	n	0	0.0	2	0	0.1
45	2	0	0.0	45	0	0.6	5	0	1.4
46	n	0	0.0	n	0	0.0	1	0	0.1
47	3	0	0.0	36	0	0.4	6	0	0.8
48	n	0	0.0	n	0	0.0	3	0	0.1
49	n	0	0.0	1	0	0.0	4	0	0.2
50	n	0	0.0	n	0	0.0	1	0	0.0
51	1	0	0.0	1	0	0.0	4	0	0.2
52	6	0	0.1	18	0	0.2	12	0	0.6
53	1	0	0.0	1	0	0.0	8	0	0.1
54	n	0	0.0	n	0	0.0	3	0	0.1
55	1	0	0.0	1	0	0.0	5	0	0.2
56	n	0	0.0	n	0	0.0	5	0	0.2

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

Table 16.---Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting land segments over the production life of the lease area, scenario 1, spills 10,000 barrels or larger.

Land Segment	----- Within 3 days -----			----- Within 10 days -----			----- Within 30 days -----		
	Proposed	Existing and Proposed	Prob Mode Mean	Proposed	Existing and Proposed	Prob Mode Mean	Proposed	Existing and Proposed	Prob Mode Mean
22	n	0	0.0	n	0	0.0	n	0	0.0
24	n	0	0.0	n	0	0.0	n	0	0.0
25	n	0	0.0	n	0	0.0	n	0	0.0
26	n	0	0.0	3	0	0.0	n	0	0.0
27	n	0	0.0	2	0	0.0	n	0	0.0
28	n	0	0.0	3	0	0.0	n	0	0.0
29	n	0	0.0	1	0	0.0	n	0	0.0
30	1	0	0.0	18	0	0.2	1	0	0.0
31	1	0	0.0	11	0	0.1	2	0	0.0
32	n	0	0.0	1	0	0.0	n	0	0.0
33	n	0	0.0	1	0	0.0	n	0	0.0
34	n	0	0.0	1	0	0.0	1	0	0.0
35	1	0	0.0	58	0	0.9	1	0	0.0
36	1	0	0.0	2	0	0.0	1	0	0.0
37	n	0	0.0	n	0	0.0	1	0	0.0
38	n	0	0.0	n	0	0.0	1	0	0.0
39	n	0	0.0	n	0	0.0	1	0	0.0
40	n	0	0.0	n	0	0.0	1	0	0.0
41	n	0	0.0	9	0	0.1	n	0	0.0
42	n	0	0.0	1	0	0.0	n	0	0.0
43	n	0	0.0	9	0	0.1	n	0	0.0
44	n	0	0.0	n	0	0.0	n	0	0.0
45	1	0	0.0	27	0	0.3	1	0	0.0
46	n	0	0.0	n	0	0.0	n	0	0.0
47	1	0	0.0	20	0	0.2	2	0	0.0
48	n	0	0.0	n	0	0.0	1	0	0.0
49	n	0	0.0	n	0	0.0	1	0	0.0
50	n	0	0.0	n	0	0.0	n	0	0.0
51	n	0	0.0	n	0	0.0	n	0	0.0
52	3	0	0.0	10	0	0.1	5	0	0.1
53	1	0	0.0	1	0	0.0	2	0	0.0
54	n	0	0.0	n	0	0.0	1	0	0.0
55	n	0	0.0	n	0	0.0	3	0	0.0
56	n	0	0.0	n	0	0.0	2	0	0.0

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

Table 17.---Probabilities (expressed as percent chance) of one or more spills, the most likely number of spills (mode), and the expected number of spills (mean) occurring and contacting land segments over the production life of the lease area, scenario 2, spills 10,000 barrels or larger.

Land Segment	----- Within 3 days -----			----- Within 10 days -----			----- Within 30 days -----		
	Proposed		Existing and Proposed	Proposed		Existing and Proposed	Proposed		Existing and Proposed
	Prob	Mode	Mean	Prob	Mode	Mean	Prob	Mode	Mean
22	n	0	0.0	n	0	0.0	n	0	0.0
24	n	0	0.0	n	0	0.0	n	0	0.0
25	n	0	0.0	n	0	0.0	n	0	0.0
26	n	0	0.0	n	0	0.0	n	0	0.0
27	n	0	0.0	n	0	0.0	n	0	0.0
28	n	0	0.0	n	0	0.0	n	0	0.0
29	n	0	0.0	n	0	0.0	n	0	0.0
30	n	0	0.0	n	0	0.0	n	0	0.0
31	1	0	0.0	1	0	0.0	1	0	0.0
32	n	0	0.0	n	0	0.0	n	0	0.0
33	n	0	0.0	n	0	0.0	n	0	0.0
34	n	0	0.0	n	0	0.0	n	0	0.0
35	1	0	0.0	1	0	0.0	1	0	0.0
36	1	0	0.0	1	0	0.0	1	0	0.0
37	n	0	0.0	n	0	0.0	n	0	0.0
38	n	0	0.0	n	0	0.0	n	0	0.0
39	n	0	0.0	n	0	0.0	n	0	0.0
40	n	0	0.0	n	0	0.0	n	0	0.0
41	n	0	0.0	n	0	0.0	n	0	0.0
42	n	0	0.0	n	0	0.0	n	0	0.0
43	n	0	0.0	n	0	0.0	n	0	0.0
44	n	0	0.0	n	0	0.0	n	0	0.0
45	1	0	0.0	2	0	0.0	3	0	0.0
46	n	0	0.0	n	0	0.0	n	0	0.0
47	1	0	0.0	2	0	0.0	3	0	0.0
48	n	0	0.0	n	0	0.0	n	0	0.0
49	n	0	0.0	n	0	0.0	n	0	0.0
50	n	0	0.0	n	0	0.0	n	0	0.0
51	n	0	0.0	n	0	0.0	n	0	0.0
52	3	0	0.0	11	0	0.1	7	0	0.1
53	1	0	0.0	1	0	0.0	2	0	0.0
54	n	0	0.0	n	0	0.0	n	0	0.0
55	n	0	0.0	n	0	0.0	n	0	0.0
56	n	0	0.0	n	0	0.0	n	0	0.0

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

For Sale 68, the overall probability of one or more spills (greater than 1,000 barrels) occurring and contacting the marine sanctuary is 0.17 (for contact within 3 days) for scenario 1. This probability reflects the close proximity of the marine sanctuary to the proposed and existing lease tracts. For transportation scenario 2, this probability increases to 0.34 (for contact within 3 days), reflecting tanker routes through the Santa Barbara Channel. The other targets considered in this analysis all have probabilities of less than 0.11 for both scenarios and spill size categories.

Production and transportation of existing oil plus oil imports present a risk about 20 times greater than the production and transportation of oil from the proposed leases. If existing sources and imports are considered along with the proposed sale, the probability of one or more spills occurring and contacting land becomes greater than 0.99 (for contact within 30 days) for both scenarios and spill sizes. Thus, it makes little difference which scenario is chosen since risks from existing sources and imports predominate. To the extent that oil from Sale 68 displaces imported oil, the risks of Sale 68 will be substituted for the risks of oil imports.

Conclusions

This analysis indicates that OCS Lease Sale 68 will result in an expected 1.1 to 1.2 oilspills (greater than 1,000 barrels) occurring off the Southern California coast depending on the transportation scenario chosen. For scenario 1, the probability that one or more oilspills will occur and contact land within 3 days is 0.20. For contacts within 30 days, the probability increases to 0.55. Choosing scenario 2, these probabilities increase from 0.22 for contact within 3 days to 0.64 for contact within 30 days). If existing sources of oil and imports are considered, the probability of spills occurring and contacting land becomes greater than 0.99 for both scenarios and spill sizes (for contact within 30 days).

The two scenarios examined yield similar risks to the targets and land segments for the proposed sale. However, scenario 2, which includes tankering oil from the proposed tracts through the Santa Barbara Channel to Long Beach poses slightly higher risks to the marine sanctuary and Anacapa Island. Production and transportation of existing sources of oil plus oil imports causes the majority of risks to land and the targets.

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Appendix A

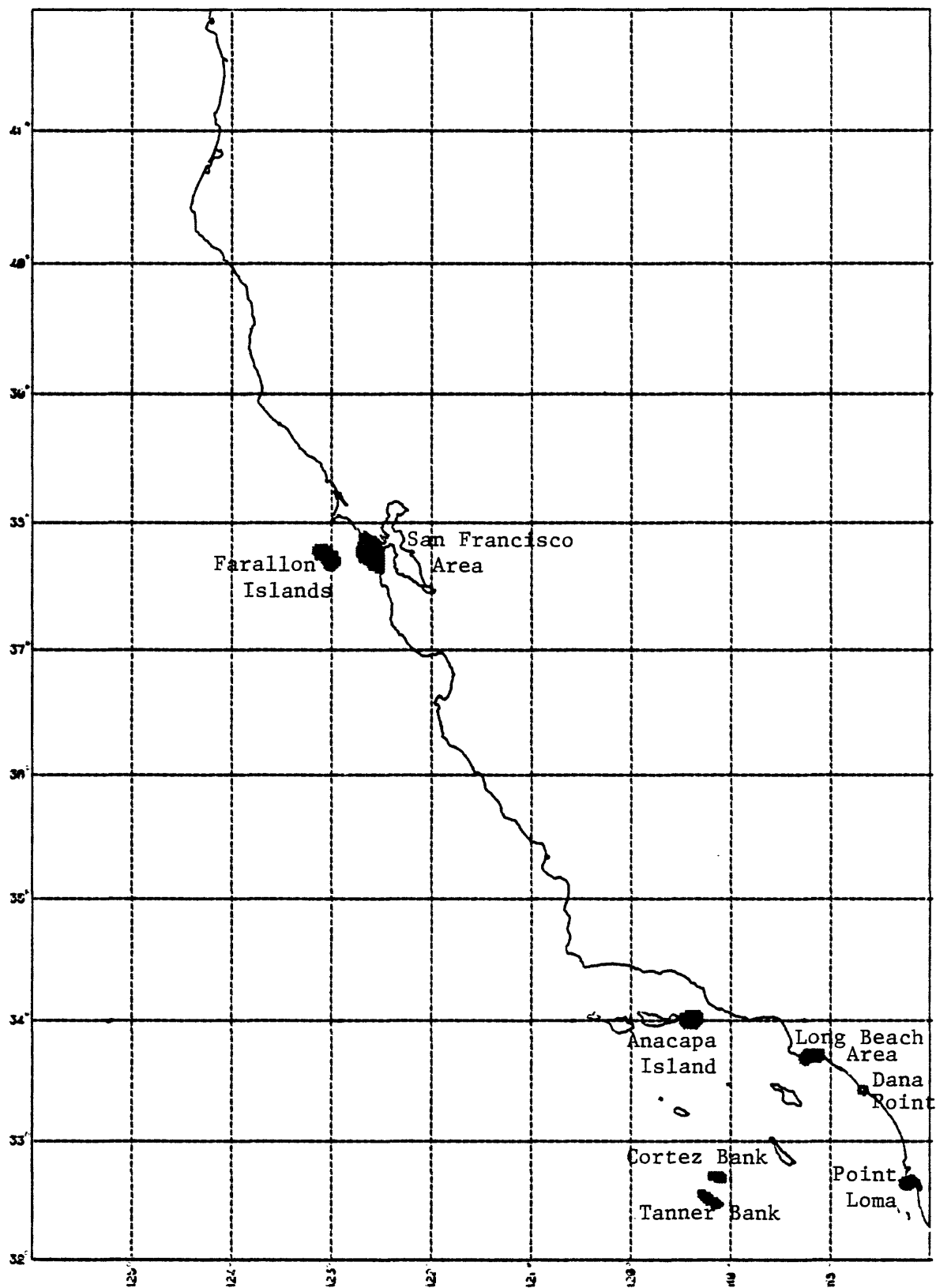


Figure A-1.--Map showing the locations of eight targets,
Southern California OCS Lease Sale 68:
cross hatching indicates areal extent.

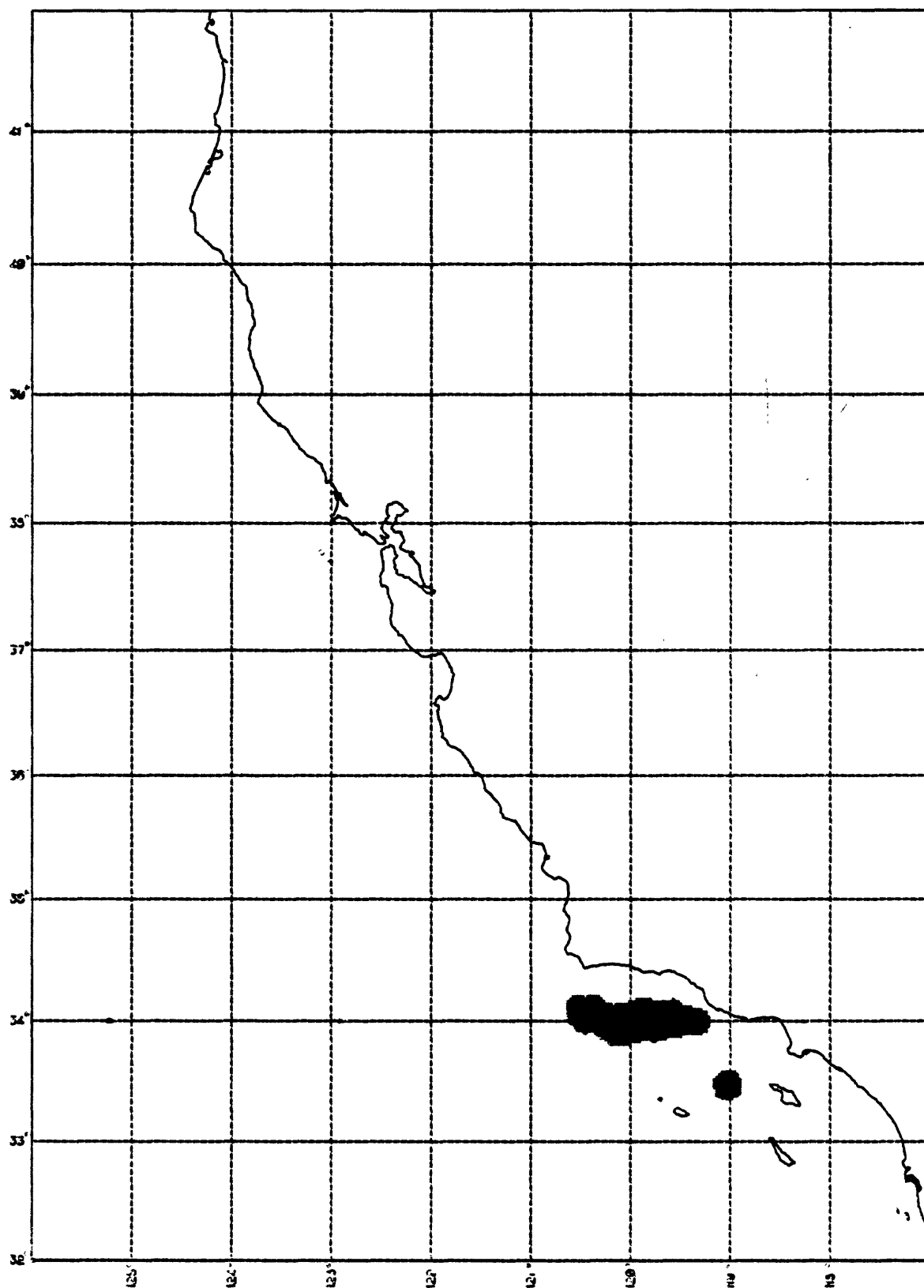


Figure A-2.--Map showing the location of the marine sanctuary,
Southern California OCS Lease Sale 68:
cross hatching indicates areal extent.

Appendix B

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

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	n	n	n	n	n	n	n	1	32	20	n	n	13	n	2	15	38	12	14	n	n	1	43	34	35
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	6	9	16	30	6	13	22	35	27	42	27	38	23	33	38	52	74	31	27	15	26	38	83	79	74

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	26	31	20	22	15	n	n	1	52	55	46	42	30	18	n	1	11	53	59	57	51	26	n	n	8
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	72	66	48	38	32	20	34	60	84	86	82	78	64	45	32	64	**	**	90	93	90	60	26	**	**

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

Table B-1. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Target	Hypothetical Spill Location																											
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P70	P71	P72	P73	P74	P75	P78			
Land	51	50	50	1	6	10	13	15	8	17	14	23	24	29	25	32	30	41	32	36	35	**	41	48	36			
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	2	1	8	2	5	3	n	14	12	7			
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	**	82	89	**	**	**	**	**	2	15	18	13	30	24	32	30	27	15	42	45	29	n	22	18	54			

Target	Hypothetical Spill Location																											
	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100						
Land	34	32	29	26	25	31	36	46	46	46	43	48	53	46	39	39	39	19	17	26	39	37						
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	11	10	12	11	13	14	17	14	1	2	2	7	14	17	21	29	30	38	38	42	**	**						
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	45	48	39	34	29	27	24	23	**	**	**	86	78	86	73	79	71	55	58	74	**	**						

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

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

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	3	2	5	9	1	2	8	7	44	73	3	4	63	3	7	21	42	61	66	1	4	4	67	67	64
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	3	1	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Janner Bank	n	1	2	2	n	n	1	2	n	n	3	4	n	3	4	1	2	n	n	4	1	1	1	n	n
Cortez Bank	2	1	1	1	2	3	2	2	n	n	2	1	n	3	3	2	n	n	n	3	2	3	n	n	n
Marine sanctuary	17	18	27	42	17	19	27	41	42	73	30	41	75	36	41	55	74	74	68	18	29	41	85	84	82

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	72	76	61	71	68	3	6	7	57	65	67	67	70	68	5	9	16	57	66	70	69	68	4	11	13
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	1	2	2	4	3	n	n	n	n	n	n	n	2	5	n	n	n	n	n	n	n	4	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Janner Bank	n	n	n	n	n	2	2	3	n	n	n	n	n	n	3	2	4	1	n	n	n	n	3	6	4
Cortez Bank	n	n	n	n	n	4	4	3	1	n	n	n	n	n	3	4	3	n	n	n	n	n	3	5	3
Marine sanctuary	85	87	73	71	70	23	35	65	84	87	85	88	83	75	35	65	**	**	91	93	93	83	33	**	**

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

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

Target	Hypothetical Spill Location																			
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P70	P71
Land	54	79	79	8	14	28	34	40	29	70	60	69	67	70	67	69	72	78	72	68
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	69
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	76
Anacapa Island	n	3	4	n	n	n	2	1	1	2	3	3	5	4	6	7	6	18	8	10
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tanner Bank	n	n	n	5	4	3	6	1	4	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	2	n	n	6	2	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	**	92	93	**	**	**	**	**	14	67	67	55	61	53	58	52	52	41	61	63
																			49	n
																				41
																				71

Target	Hypothetical Spill Location																			
	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98
Land	70	73	72	66	70	67	73	74	75	76	74	76	80	76	74	76	74	64	57	61
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	63
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	68
Anacapa Island	15	15	19	18	26	27	27	27	4	6	9	13	16	20	26	35	33	47	55	51
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	63	67	60	57	53	51	46	46	**	**	**	93	87	91	83	89	83	68	72	79
																				**
																				**

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

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

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P6	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	16	17	19	26	16	24	22	24	53	78	24	19	79	20	26	37	55	79	80	11	13	20	76	74	71
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	6	3	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	1	n	n	n	1	n	1	n	n	n	n	n	1	n	1	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tanner Bank	9	11	11	13	13	10	10	13	7	2	15	15	n	12	13	7	6	1	n	16	16	8	2	1	3
Cortez Bank	17	12	11	11	11	17	13	10	4	1	13	14	n	14	10	11	4	n	1	18	17	13	n	n	2
Marine sanctuary	18	18	31	43	18	20	29	43	45	75	30	45	80	37	47	57	77	81	76	22	32	43	86	85	83

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	79	82	76	83	84	18	23	27	65	73	76	73	80	81	23	24	38	64	72	75	80	83	20	29	32
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	2	3	3	6	5	n	n	n	n	n	n	n	3	7	n	n	n	n	n	n	n	4	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	1
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tanner Bank	n	1	1	1	n	10	11	14	3	2	2	n	n	n	11	8	10	4	5	3	2	1	11	12	15
Cortez Bank	n	n	2	n	n	17	13	16	4	1	n	1	n	n	14	13	14	3	2	n	n	16	15	13	
Marine sanctuary	86	89	80	77	78	29	38	65	84	88	86	89	86	83	40	66	**	**	92	93	94	90	37	**	**

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

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

Target	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	
Land	20	17	32	39	29	21	23	43	42	41	39	22	20	19	30	28	19	24	12	14	11	9	14	32	20
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	57	46	23	88	72	51	32	**	**	**	**	59	41	33	**	**	**	45	28	33	24	6	6	n	26
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	**	80	43	**	**	90	58	**	**	**	**	**	82	60	**	**	**	**	**	69	50	23	18	**	**

target	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Land	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
Farallon Islands	17	14	14	19	17	13	13	9	10	7	11	8	13	10	8	11	8	6	7	8	11	13	11	9	8
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	25	26	5	2	n	n	n	15	11	12	6	2	3	n	n	n	9	10	8	2	2	1	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	**	61	11	8	**	63	39	47	41	38	13	10	9	18	19	18	40	32	35	6	9	3	6	8	9

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

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

target	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	
Land	15	12	11	10	13	15	16	14	17	14	18	17	23	69	36	60	44	22	29	10	13	16	11	16	32
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	1	n	3	1	2	9	2	7	3	2	n	4	10	17
Long Beach	n	1	n	n	n	n	n	n	6	8	2	3	1	**	**	24	21	22	5	6	3	5	3	6	6
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	3	4	2	3	4	n	1	2	n	n	1	n	1	n	n	n	n	n	n	n	n	1	n	n	n

target	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
1/6	1/1	1/8	1/9	1/80	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	
Land	48	69	**	21	15	12	18	26	57	64	8	40	49	10	14	9	9	14	9	n	n	n	n	n	n
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	24	24	n	n	1	3	13	21	26	35	1	19	34	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	1	2	n	n	1	1	2	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	8	13	6	18	21
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	19	19	11	19	16	7	
Marine sanctuary	n	n	n	1	2	n	n	n	n	n	n	n	n	13	14	5	5	4	2	n	n	n	n	1	n

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

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

Target	Hypothetical Spill Location																			
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Land	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170
Farallon Islands	43	30	3/	32	32	38	39	60	60	61	65	61	88	78	88	78	77	73	63	64
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	/	8	n	n	1	n	n	1	1	n	n	1	n	1	n	1	1	n	n	n
Point Loma	n	n	n	n	n	n	n	6	3	6	6	6	1	1	n	n	3	1	1	1
Dana Point	2	1	n	n	n	n	n	3	5	2	4	2	6	4	4	14	6	11	5	4
Long Beach	n	2	n	n	n	n	n	6	8	3	3	1	**	**	**	27	21	26	5	6
Janner Bank	n	n	2	1	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	2/	21	12	17	18	15	15	19	11	6	11	9	10	1	6	2	3	10	4	6

at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location																			
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Land	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195
Farallon Islands	83	92	**	69	68	66	75	76	85	87	75	78	83	38	48	39	39	37	39	6
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	7	5	6	1	n	n	n	8	n	n	n	n	n	n	n	n	n
Dana Point	24	25	n	3	1	4	14	21	26	35	2	19	34	n ¹	n	n	n	n	n	n
Long Beach	11	7	n	1	2	2	8	8	/	4	1	6	6	n	n	n	n	n	n	n
Janner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	2	22
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	31	38
Marine sanctuary	3	1	n	6	8	8	6	3	1	1	5	1	1	23	24	18	18	17	9	1

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

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

Target	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	
Land	85	84	90	87	90	88	87	84	83	84	88	77	82	84	84	77	84	79	80	82	84	81	85	78	77
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	66	59	34	90	76	59	42	**	**	**	**	64	48	48	**	**	**	51	39	46	34	22	23	2	30
Point Loma	1	n	n	n	n	n	n	n	n	n	n	2	1	1	1	1	1	1	1	1	1	2	2	1	2
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n	n	n	n	1	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	1	1	1	2	n	1	n	2	2	1	2	n	n	n	n	4	1
Cortez Bank	n	n	n	n	1	n	1	2	1	n	n	n	n	1	n	2	n	n	n	n	n	n	n	2	n
Marine sanctuary	**	85	55	**	**	92	70	**	**	**	**	**	86	76	**	**	**	**	**	88	68	52	52	**	**

Target	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	
Land	80	80	82	89	63	64	76	72	74	75	86	87	86	66	66	63	77	78	79	84	86	82	61	58	61
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	30	36	16	18	n	3	3	22	19	26	15	17	13	2	1	2	20	22	20	11	14	11	1	2	2
Point Loma	2	n	2	3	n	1	1	2	2	3	4	6	2	n	n	2	n	n	1	6	4	4	3	1	1
Dana Point	n	n	n	n	n	n	n	n	1	n	1	n	2	n	n	n	n	1	n	1	n	1	n	n	n
Long Beach	1	n	n	1	n	n	n	1	1	1	2	2	1	n	n	1	n	n	1	1	2	n	n	n	n
Tanner Bank	n	2	n	1	7	7	3	2	1	2	n	n	n	6	6	9	4	2	n	1	1	1	6	8	2
Cortez Bank	1	1	n	n	6	3	2	1	3	1	n	n	n	6	3	2	n	2	n	n	n	n	6	3	2
Marine sanctuary	**	80	38	38	**	77	59	74	67	72	41	39	34	41	37	37	73	73	66	35	34	35	26	26	32

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

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

Target	Hypothetical Spill Location																				
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Land	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	28	**	18	10	13	9	9	6	6	4	4	4	3	3	1	n	2	1	n	n	n
Cortez Bank	3	5	4	2	8	4	2	/	1	2	2	3	1	1	2	n	1	1	1	n	n
Marine sanctuary	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

target	Hypothetical Spill Location																			
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Land	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220
Farallon Islands	10	9	10	12	7	8	9	5	/	11	/	10	14	8	11	22	14	13	13	10
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	40	**	21	14	17	11	11	9	9	9	6	/	8	8	3	4	/	5	4	4
Cortez Bank	10	7	6	6	12	6	3	9	3	3	6	3	3	3	2	1	2	3	2	2
Marine sanctuary	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Target	Hypothetical Spill Location																							
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
Land	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221			
Farallon Islands	38	45	47	40	40	41	48	41	43	45	45	48	57	51	54	60	46	51	52	45	53			
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	4	2	4	4	6	3	4	4	5	4	7	4	6	8	6	6	7	4	8	7	6			
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tanner Bank	43	**	23	16	19	16	15	12	11	10	8	10	10	10	6	6	9	7	7	6	3			
Cortez Bank	13	9	8	9	13	7	5	11	4	4	6	6	4	4	3	3	4	5	5	3	1			
Marine sanctuary	3	4	3	5	3	2	3	4	2	3	4	3	1	3	1	4	1	3	3	2	2			

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

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

Target	Hypothetical Spill Location																								
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25
Land	7	18	19	41	6	18	19	24	26	22	16	4	14	26	28	38	33	23	24	20	19	20	18	18	22
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	29	26	26	20	40	38	28	60	49	30	27	47	52	51	41	65	63	66	64	61	48	40	36	21	62

Target	Hypothetical Spill Location																								
	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37	E38	E39	E40	E41	E42	E43	E44	E45	E46	E47	E48	E49	E50
Land	39	36	33	22	24	25	20	20	3	28	47	43	38	22	53	45	36	19	21	56	55	57	42	29	37
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	72	81	77	73	70	60	53	42	53	74	80	83	80	80	84	79	78	46	41	92	86	85	80	52	55

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

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

Target	Hypothetical Spill Location																								
	E51	E52	E53	E54	E55	E56	E57	E58	E59	E60	E61	E62	E63	E64	E65	E66	E67	E68	E69	E70	E71	E72	E73	E74	E75
Land	60	64	67	65	53	9	8	17	16	43	33	40	23	19	28	32	38	35	37	33	30	30	32	24	21
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	1	4	n	4	1	4	1	3	8	n	n	1	6	24	21
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	**	97	92	86	83	18	16	2	27	14	10	11	43	43	40	22	17	17	22	59	51	53	49	55	46

Target	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	26	31	34	29	22	30	26	17	21	18	14	15	40	23	25	45	16	20	30	49	9	14	11	12	8
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	20	17	38	45	36	65	68	53	49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	6	2	7	12	3	8	11	13	1	6	4	8	5
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	**	26	25	17	7	14	10	9	1	3	2	3	n
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	35	34	82	72	55	**	88	73	90	55	61	61	n	n	n	n	n	n	n	n	1	n	n	1	n

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

Table B-11. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location																								
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25
Land	26	34	36	53	13	30	36	69	71	77	74	11	21	35	38	54	57	61	63	65	70	73	73	68	30
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	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
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	2	1	n	n	1	1	n	n	n	n	1	1	n	n	1	n	n	n	n	n	n	n	n	n	1
Cortez Bank	1	n	n	n	1	n	n	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	44	36	41	29	46	47	43	72	70	70	71	52	55	58	58	66	68	74	77	78	74	74	79	71	66

Target	Hypothetical Spill Location																								
	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37	E38	E39	E40	E41	E42	E43	E44	E45	E46	E47	E48	E49	E50
Land	49	59	61	61	67	70	65	66	11	34	54	58	64	27	68	69	70	67	76	74	76	79	72	66	73
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	1	n	n	n	2	n	n	n	n	n	n	n	n	n	1	5	3	n	n	n	3	2
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	n	4	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	2	1	n	n	2	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	74	85	83	80	82	78	80	81	57	74	82	85	86	82	86	85	91	77	73	94	91	90	91	77	77

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

Table B-11. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location																								
	E51	E52	E53	E54	E55	E56	E57	E58	E59	E60	E61	E62	E63	E64	E65	E66	E67	E68	E69	E70	E71	E72	E73	E74	E75
Land	71	79	82	83	78	32	36	35	65	76	70	76	65	65	63	74	79	73	74	65	66	68	71	67	71
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	1	1	n	n	n	n	4	4	10	13	7	10	10	13	9	11	17	4	7	10	11	32	31
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Fanner Bank	n	n	n	n	n	4	1	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	**	98	95	93	92	30	32	15	65	35	39	36	74	68	64	47	40	40	48	77	71	68	62	72	67

Target	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
Land	61	76	73	70	68	69	66	63	57	45	41	38	78	77	73	80	68	70	76	76	65	70	69	72	72
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	32	29	42	52	44	66	69	61	57	1	2	n	n	1	1	n	2	n	2	n	n	1	n	1	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	2	3	1	n	5	2	4	4	6
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	11	7	13	14	6	13	15	15	4	10	6	9	5
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	**	26	26	20	11	14	13	16	2	4	2	6	n
Fanner Bank	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	54	53	89	81	71	**	93	82	93	69	71	72	3	6	6	3	7	6	4	3	8	7	5	4	2

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

Table B-12. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Target	Hypothetical Spill Location																										
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25		
Land	38	42	45	63	28	41	42	75	79	81	82	30	38	44	51	61	65	68	71	72	74	76	79	84	47		
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Anacapa Island	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	n	2	n	n	
Point Loma	n	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	
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Lanner Bank	13	8	4	3	6	8	3	4	2	2	2	7	7	7	7	2	2	3	4	2	1	1	1	1	1	n	6
Cortez Bank	10	5	9	3	11	9	10	1	n	1	n	14	9	6	5	2	5	1	3	1	1	1	1	1	1	n	6
Marine sanctuary	46	39	45	31	50	50	45	74	71	72	73	53	56	60	59	70	68	76	77	80	76	74	80	76	67		

Target	Hypothetical Spill Location																										
	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37	E38	E39	E40	E41	E42	E43	E44	E45	E46	E47	E48	E49	E50		
Land	58	67	67	68	72	78	75	75	25	48	62	69	71	40	73	78	77	84	91	79	82	84	82	84	87		
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Anacapa Island	n	n	n	2	n	n	n	3	n	n	n	n	n	n	n	n	2	7	6	1	1	n	4	6	4		
Point Loma	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
Lanner Bank	6	2	4	1	1	3	1	2	15	7	6	4	3	9	2	1	n	n	n	n	n	1	n	n	n	n	
Cortez Bank	2	3	3	3	n	n	2	n	10	7	2	1	2	11	n	1	1	n	n	1	1	n	1	n	n	n	
Marine sanctuary	76	86	84	82	83	79	81	83	59	77	82	85	87	84	86	86	91	85	80	94	93	90	93	84	84		

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

Table B-12. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Target	Hypothetical Spill Location																											
	E51	E52	E53	E54	E55	E56	E57	E58	E59	E60	E61	E62	E63	E64	E65	E66	E67	E68	E69	E70	E71	E72	E73	E74	E75			
Land	83	85	88	87	85	61	68	59	83	90	91	92	89	88	84	90	92	91	93	85	86	88	91	89	88			
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	1	1	1	1	1	n	7	8	15	15	9	11	11	15	13	16	18	7	9	13	14	34	34			
Point Loma	n	n	n	n	n	2	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	n	n	n	9	4	9	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
Cortez Bank	n	1	n	n	n	7	4	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	**	98	95	93	93	34	38	21	73	42	45	43	83	77	72	53	48	47	51	86	78	76	72	77	72			

Target	Hypothetical Spill Location																											
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100			
Land	89	93	92	90	89	86	87	85	88	79	71	72	92	89	90	92	90	89	93	91	89	90	93	90	93			
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	36	30	44	53	45	66	70	61	59	2	4	1	2	2	2	1	4	3	2	2	2	2	2	1	n	n	n	n
Point Loma	n	n	n	n	n	n	n	1	1	1	2	1	2	4	2	2	3	4	3	n	6	3	6	4	6			
Dana Point	n	n	n	n	n	n	1	n	n	n	n	n	11	7	13	14	6	13	15	15	4	10	6	9	5			
Long Beach	n	n	n	n	n	1	n	n	n	n	n	n	**	26	26	21	11	14	13	16	2	4	2	6	n			
Lanner Bank	n	n	n	n	n	n	n	n	n	n	2	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	1	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine sanctuary	59	57	91	85	74	**	93	83	93	73	75	77	9	8	10	7	12	11	11	9	11	14	11	9	6			

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

Table B-13. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Target	Hypothetical Spill Location																													
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Land	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	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	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lamar Bank	n	16	24	32	41	17	46	11	24	32	60	60	23	53	**	**	10	11	**	**	9	16	18	14	6	6	6	1	3	1
Cortez Bank	n	19	14	/	2	19	/	21	21	22	/	5	30	15	8	3	53	48	19	6	59	32	20	5	**	31	36	**	92	15
Marine sanctuary	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table B-14. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location															
	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F
Land	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116
Farallon Islands	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132
San Francisco	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148
Anacapa Island	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164
Point Loma	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
Dana Point	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196
Long Beach	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212
Lanner Bank	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228
Cortez Bank	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244
Marine sanctuary	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260

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

Table B15. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Target	Hypothetical Spill Location																													
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130
Land	91	26	24	28	38	25	28	24	23	23	35	35	30	32	35	33	24	22	33	34	27	31	34	38	26	30	26	23	26	32
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	3	2	3	2	2	2	1	2	2	2	1	3	2	4	2	4	2	1	3	3	4	3	4	3	2	4	1	2	2	2
Dana Point	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	n	n	n	n
Long Beach	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	35	39	44	54	35	58	28	36	42	69	70	31	58	**	**	18	22	**	**	17	19	26	18	14	14	0	8	13	5
Cortez Bank	n	33	29	21	12	34	20	40	38	30	15	13	41	26	15	12	58	54	26	11	63	36	24	9	**	64	41	**	93	18
Marine sanctuary	11	4	6	5	4	3	3	3	4	6	4	4	2	4	3	2	2	n	4	4	1	4	3	4	2	1	3	1	1	3

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

Table B-16. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Target	Hypothetical Spill Location																						
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23
Land	31	22	4	36	16	17	5	n	4	30	n	13	28	47	9	30	25	24	13	1	39	29	n
Farallon Islands	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco Area	**	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	14	20	n	n	n	n	n	n	n	n	n	n	7	71	n	n	n	n	1	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n
Long Beach Area	n	n	n	n	n	44	3	n	n	n	n	n	n	n	n	n	n	31	n	n	n	n	n
Tanner Bank	n	n	n	n	n	n	n	57	11	n	33	12	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	4	n	n	7	2	n	n	n	n	n	n	n	n	n	n	n
Marine Sanctuary	n	n	1	74	30	n	n	n	1	15	n	n	1	69	45	24	**	n	15	n	n	4	n

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

Table B-17. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location																			
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20
Land																				
Farallon Islands	77	64	18	62	52	60	43	7	26	53	8	22	45	70	16	71	57	72	41	3
San Francisco Area	10	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	58
Anacapa Island	**	13	n	n	27	2	n	n	n	1	n	n	n	3	n	16	75	n	3	n
Point Loma	n	n	n	n	1	4	7	n	n	1	n	n	n	n	n	n	n	1	n	n
Dana Point	n	n	n	n	1	5	1	n	n	n	n	n	n	n	n	n	n	9	n	n
Long Beach Area	n	n	n	n	1	44	3	n	n	n	n	n	n	n	n	n	n	32	n	n
Tanner Bank	n	n	n	n	n	n	n	60	15	n	45	24	4	1	2	n	n	n	n	1
Cortez Bank	n	n	n	n	n	n	n	7	3	n	15	10	1	n	2	n	n	n	n	2
Marine Sanctuary	n	n	4	80	46	10	1	n	6	27	1	2	11	81	49	50	**	4	35	1
																				14
																				20
																				1

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

Table B-18. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Target	Hypothetical Spill Location																						
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23
Land	89	85	35	73	84	86	60	40	57	82	33	44	67	85	34	89	86	91	75	6	67	85	2
Farallon Islands	10	15	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco Area	**	13	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	16	29	4	n	n	n	2	n	n	n	4	n	19	76	2	5	n	n	10	n
Point Loma	n	n	n	n	4	6	8	4	2	3	2	3	1	n	1	n	1	3	3	n	n	4	n
Dana Point	n	n	n	n	1	5	1	n	n	n	n	n	n	n	n	n	n	9	1	n	n	1	n
Long Beach Area	n	n	n	n	1	44	3	n	n	n	n	n	n	n	n	n	n	32	n	n	n	1	n
Tanner Bank	n	n	5	3	1	n	n	61	19	1	49	29	8	2	12	n	1	n	3	2	4	1	1
Cortez Bank	n	n	9	3	n	n	n	9	5	1	18	13	5	1	12	n	1	n	2	3	5	n	3
Marine Sanctuary	n	n	9	82	52	15	3	4	11	32	5	4	14	84	52	56	**	11	43	1	17	27	2

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

Table B-19. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Target	Hypothetical Spill Location																								
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25
Land	5	16	34	2	11	20	6	10	18	29	2	4	7	10	15	2	5	15	40	1	2	8	25	n	1
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine Sanctuary	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Target	Hypothetical Spill Location																								
	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37	S38	S39	S40	S41	S42	S43	S44	S45	S46	S47	S48	S49	S50
Land	2	21	n	n	n	1	2	10	n	n	n	n	1	2	17	n	n	n	n	8	n	8	n	n	n
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine Sanctuary	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n

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

Table B-19. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Target	Hypothetical Spill Location																								
	S51	S52	S53	S54	S55	S56	S57	S58	S59	S60	S61	S62	S63	S64	S65	S66	S67	S68	S69	S70	S71	S72	S73	S74	S75
Land	n	n	3	7	n	n	n	1	3	5	20	n	n	n	1	2	3	8	n	n	1	1	4	8	22
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine Sanctuary	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	2	1	n	n	n	1	3	2	2

Target	Hypothetical Spill Location																								
	S76	S77	S78	S79	S80	S81	S82	S83	S84	S85	S86	S87	S88	S89	S90	S91	S92	S93	S94	S95	S96	S97	S98	S99	S100
Land	n	n	n	1	4	17	35	n	n	n	2	3	16	26	n	n	2	1	3	6	22	n	n	1	n
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine Sanctuary	n	n	n	3	3	3	2	n	n	1	2	6	4	1	n	n	2	8	8	7	6	1	3	9	10

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

Table B-20. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location																								
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25
Land	24	30	52	17	20	38	17	23	35	51	10	13	26	33	39	19	28	43	66	16	21	41	57	14	18
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine Sanctuary	10	16	16	13	15	11	11	9	18	19	10	11	17	20	17	18	21	22	14	18	19	23	17	20	24

Target	Hypothetical Spill Location																								
	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37	S38	S39	S40	S41	S42	S43	S44	S45	S46	S47	S48	S49	S50
Land	26	42	6	7	14	17	21	42	7	13	13	20	20	32	48	8	9	12	19	21	36	39	6	10	12
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Marine Sanctuary	28	21	13	16	19	19	24	27	13	13	19	25	26	27	21	14	13	19	25	26	24	23	13	16	18

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

Table B-20. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location																								
	S51	S52	S53	S54	S55	S56	S57	S58	S59	S60	S61	S62	S63	S64	S65	S66	S67	S68	S69	S70	S71	S72	S73	S74	S75
Land	17	19	21	33	6	9	13	20	28	35	43	5	7	11	16	13	30	35	12	17	13	19	34	36	44
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Janner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Cortez Bank	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1
Marine Sanctuary	17	26	23	26	17	15	19	23	30	29	23	6	15	20	23	19	32	29	16	22	23	27	32	30	25

Target	Hypothetical Spill Location																								
	S76	S77	S78	S79	S80	S81	S82	S83	S84	S85	S86	S87	S88	S89	S90	S91	S92	S93	S94	S95	S96	S97	S98	S99	S100
Land	8	13	13	30	32	38	54	8	13	17	22	21	37	42	7	11	17	16	22	32	44	11	13	15	18
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Janner Bank	n	n	n	n	n	1	n	n	n	n	1	1	n	n	n	n	n	1	1	n	n	n	n	1	n
Cortez Bank	n	1	n	n	n	n	n	1	n	n	n	2	n	n	n	1	1	n	1	n	1	n	1	1	1
Marine Sanctuary	15	23	26	34	33	29	19	18	24	27	32	32	26	23	13	19	23	32	34	35	31	22	22	27	36

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

Table B-21. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Target	Hypothetical Spill Location																								
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25
Land	39	45	65	33	33	51	27	36	46	62	32	28	43	45	54	37	43	51	70	33	35	56	63	34	32
Farallon Islands	n	n	1	n	1	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	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
Point Loma	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tanner Bank	6	7	7	6	6	5	10	8	6	5	2	7	5	6	8	6	4	7	4	6	6	5	6	4	4
Cortez Bank	6	7	6	12	7	6	10	8	8	3	13	7	9	6	6	9	4	6	3	13	6	6	4	10	6
Marine Sanctuary	19	19	21	17	22	18	16	14	23	21	15	19	21	24	23	26	26	26	17	24	26	27	23	25	29

Target	Hypothetical Spill Location																								
	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37	S38	S39	S40	S41	S42	S43	S44	S45	S46	S47	S48	S49	S50
Land	42	54	23	23	32	34	34	55	23	27	29	34	35	48	61	18	22	26	36	32	44	53	17	24	26
Farallon Islands	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
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	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
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tanner Bank	6	7	6	6	5	6	8	6	7	4	7	4	6	9	4	6	6	5	6	4	8	8	7	5	5
Cortez Bank	7	6	9	9	11	6	9	5	17	9	10	7	9	3	4	13	11	12	7	8	5	3	10	10	13
Marine Sanctuary	34	26	17	19	23	24	31	34	18	16	22	26	32	32	26	16	17	22	28	29	27	27	14	19	20

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

Table B-21. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Target	Hypothetical Spill Location																								
	S51	S52	S53	S54	S55	S56	S57	S58	S59	S60	S61	S62	S63	S64	S65	S66	S67	S68	S69	S70	S71	S72	S73	S74	S75
Land	32	33	37	46	23	22	30	33	45	48	57	16	20	28	30	32	52	50	26	32	28	35	54	51	56
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	5	5	6	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Cortez Bank	10	10	11	4	10	6	13	12	11	7	6	10	8	10	12	13	8	6	11	10	10	6	6	7	4
Marine Sanctuary	22	28	26	28	17	18	21	26	33	30	27	9	16	22	28	25	35	37	18	26	24	31	35	32	28

Target	Hypothetical Spill Location																								
	S76	S77	S78	S79	S80	S81	S82	S83	S84	S85	S86	S87	S88	S89	S90	S91	S92	S93	S94	S95	S96	S97	S98	S99	S100
Land	22	32	29	47	49	53	63	26	29	38	38	39	51	52	24	29	31	36	38	44	57	26	30	32	31
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	1	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Lanner Bank	9	5	6	7	8	7	7	11	9	8	9	9	6	6	6	6	9	8	7	7	7	7	6	7	4
Cortez Bank	14	10	11	8	6	7	3	13	10	7	8	4	4	6	13	9	10	8	8	6	6	15	9	9	8
Marine Sanctuary	18	26	30	38	36	34	20	20	26	30	33	36	28	27	15	23	27	37	38	37	36	24	24	31	39

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

Table B-22. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 3 days.

Target	Hypothetical Spill Location																	
	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Land	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115			
Farallon Islands	3	19	n	n	1	2	n	n	n	16	n	2	6	23	48			
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Tanner Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Cortez Bank	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
Marine Sanctuary	10	6	3	11	14	15	11	14	22	15	21	29	19	19	21			

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

Table B-23. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 10 days.

Target	Hypothetical Spill Location														
	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Land	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115
Farallon Islands	22	42	14	11	17	20	15	17	17	33	11	18	23	42	52
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tanner Bank	1	n	n	1	1	1	n	n	1	1	2	1	1	1	n
Cortez Bank	1	n	1	1	n	2	1	1	2	n	1	n	1	n	n
Marine Sanctuary	34	24	26	30	33	34	29	32	37	29	34	40	38	30	31

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

Table B-24. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain target within 30 days.

Target	Hypothetical Spill Location															
	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Land	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	
Farallon Islands	36	57	28	29	32	35	33	33	33	41	24	32	39	49	70	
San Francisco	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Point Loma	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
Dana Point	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Long Beach	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Tanner Bank	7	6	6	9	6	9	7	7	9	7	8	10	10	4	3	
Cortez Bank	8	6	14	10	10	13	9	6	9	4	9	9	6	4	3	
Marine Sanctuary	38	27	28	33	37	39	30	36	40	30	34	43	40	33	35	

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

Appendix C

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

Land Segment	Hypothetical Spill Location																									
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	
28	n	n	n	n	n	n	n	n	22	7	n	n	1	n	n	n	n	1	1	n	n	n	n	2	1	3
29	n	n	n	n	n	n	n	n	n	6	n	n	6	n	n	n	n	5	6	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
41	n	n	n	n	n	n	n	1	9	n	n	n	n	n	1	13	34	n	n	n	n	n	1	19	9	1
42	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	3	n	2	n	n	n	n	n	n	n
43	n	n	n	n	n	n	n	n	n	6	n	n	2	n	n	n	1	2	2	n	n	n	n	21	21	20
45	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	3	4	n	n	n	n	n	2	8
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1

Land Segment	Hypothetical Spill Location																								
	P25	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
28	1	n	1	1	n	n	n	n	n	n	1	2	1	n	n	n	n	n	n	n	1	n	n	n	n
29	1	1	4	7	3	n	n	n	n	n	1	n	1	2	n	n	n	n	n	n	n	1	n	n	n
30	n	n	n	n	2	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
41	3	1	n	n	n	n	n	1	48	47	4	1	1	1	n	1	4	47	53	26	5	1	n	n	4
42	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	7	6	n	n	n	n	n	n	4
43	11	13	4	6	2	n	n	n	1	8	28	25	9	3	n	n	n	n	6	31	41	3	n	n	n
45	7	16	9	7	6	n	n	n	n	n	11	13	18	11	n	n	n	n	n	1	2	19	n	n	n
46	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																											
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P70	P71	P72	P73	P74	P75	P78	P78	P78	P78
28	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	n	n	1	n	n	n	n	n	n	11	6	4	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	n	1	n	n	n	n	n	n	2	3	16	13	21	15	20	19	6	13	19	20	n	4	1	10	n	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	29	n	n	1	**	28	41	n	n	n	
41	47	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
42	4	n	n	n	3	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
43	n	4	4	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
44	n	n	n	n	n	7	6	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
45	n	44	43	n	n	n	n	n	n	2	6	3	9	6	8	10	7	1	17	16	11	n	n	n	n	23	n	
47	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	4	1	1	1	n	9	4	3	n	n	
48	n	n	n	n	n	2	3	6	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
49	n	n	n	n	n	1	2	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

Land Segment	Hypothetical Spill Location																											
	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100	P100	P100	P100	P100	P100	P100
30	13	10	12	9	8	5	1	1	2	4	2	5	5	4	3	6	6	n	n	n	n	1	n	n	n	n	n	n
31	n	1	4	6	10	19	27	41	n	n	n	n	n	n	n	n	2	8	8	15	n	2	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	n	1	n	n	n	n	n	n	n
43	n	n	n	n	n	n	n	n	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
45	15	16	7	6	1	n	1	n	38	41	39	39	38	32	24	15	12	1	n	n	n	3	1	n	n	n	n	n
47	6	4	6	6	6	6	6	3	n	n	1	3	10	9	12	17	20	9	8	9	34	33	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																									
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	
28	n	n	n	n	n	n	n	n	26	10	n	n	n	6	n	n	n	n	5	5	n	n	n	4	4	7
29	n	n	n	n	n	n	n	n	n	6	n	n	n	7	n	n	n	n	5	7	n	n	n	n	1	n
30	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	3	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	1	n	n	n	n	n	n
41	2	2	2	4	n	n	3	3	16	10	n	n	n	4	n	2	13	36	7	4	n	n	1	23	11	3
42	n	n	n	3	n	n	3	1	1	1	1	n	n	n	1	4	3	n	n	n	n	n	n	n	1	n
43	n	n	n	n	n	n	n	n	n	34	n	n	n	19	n	n	1	1	16	15	n	n	n	34	39	32
45	n	n	n	n	n	n	n	n	n	9	n	n	n	22	n	n	n	n	25	29	n	n	n	4	9	20
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
47	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	2	1	n	n	n	n	n	n
48	n	n	1	n	n	n	1	1	n	n	2	1	n	n	3	2	1	n	n	n	n	1	2	n	n	n
49	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	1	n	n	n	n
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																									
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50	
28	6	3	4	5	3	n	n	n	n	n	3	3	4	3	n	n	n	n	n	n	2	2	n	n	n	n
29	1	2	6	8	6	n	n	n	n	n	1	n	3	3	n	n	n	n	n	n	1	3	n	n	n	n
30	n	1	n	3	4	n	n	n	n	n	n	2	1	7	n	n	n	n	n	1	n	3	n	n	n	n
31	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	6	7	4	2	5	n	1	2	50	48	6	4	3	4	n	1	4	48	54	26	6	7	n	n	4	n
42	1	n	n	n	1	n	n	n	4	n	n	n	n	n	n	1	8	6	n	n	n	n	n	1	5	n
43	24	22	12	17	17	n	n	n	2	13	39	32	18	11	n	n	n	1	10	39	50	9	n	n	n	n
44	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n
45	29	38	30	32	28	n	n	n	n	2	16	23	39	34	n	n	n	n	n	3	8	41	n	n	n	n
46	1	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
47	1	1	2	1	2	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	2	n	n	n	n
48	n	n	n	n	n	2	1	1	n	n	n	n	n	n	3	4	1	1	n	n	n	n	2	4	3	n
49	n	n	n	n	n	n	1	1	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	2	n	n
50	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	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.

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

Land Segment	Hypothetical Spill Location																											
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P70	P71	P72	P73	P74	P75	P78			
28	n	2	1	n	n	n	n	n	n	6	2	4	n	3	n	n	n	n	1	n	n	n	n	n	n	n		
29	n	2	2	n	n	n	n	n	n	11	6	7	4	3	3	2	2	1	3	n	2	n	n	1	n	n		
30	n	9	7	n	n	n	n	n	n	5	6	20	17	28	22	26	26	14	20	24	27	n	10	11	23			
31	n	n	n	n	n	n	n	n	n	n	2	n	1	1	3	4	11	36	3	3	6	**	36	48	1			
41	47	2	1	2	2	n	n	n	n	n	4	2	3	1	3	2	n	n	1	1	n	n	n	n	n			
42	4	n	n	1	4	3	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
43	n	8	7	n	n	1	n	n	n	18	17	13	9	7	6	7	6	3	7	6	4	n	1	n	6			
44	n	n	1	n	n	8	6	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
45	n	53	56	n	n	n	n	n	n	23	23	19	30	22	26	25	23	10	30	27	23	n	n	9	6	35		
47	n	2	3	n	n	n	1	1	n	1	1	1	3	2	4	4	3	13	6	5	6	n	16	13	8			
48	1	n	n	1	3	7	9	11	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
49	n	n	n	1	1	6	7	10	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
50	n	n	n	1	2	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
51	n	n	n	n	n	2	2	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
54	n	n	n	n	n	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
55	n	n	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			

Land Segment	Hypothetical Spill Location																											
	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100						
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n					
29	3	1	3	1	n	n	n	3	1	1	n	n	n	n	n	2	1	n	n	n	n	n	n					
30	23	20	23	19	20	15	8	6	6	7	6	14	14	13	16	16	14	14	11	7	7	7	7					
31	1	3	9	13	16	26	38	44	n	n	n	n	n	1	n	1	2	15	14	22	2	2	6					
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n					
41	n	n	n	n	n	n	n	n	1	1	1	n	n	1	n	n	n	n	n	n	n	n	n					
43	5	7	5	3	1	n	1	n	10	6	6	4	4	3	2	2	2	1	n	n	n	n	n					
45	26	32	21	19	15	10	6	49	55	52	48	47	41	38	30	29	10	6	5	13	8							
47	11	8	11	10	16	15	15	14	3	4	7	9	13	15	18	23	25	19	21	20	40	42						
51	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n					
52	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n					
53	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					

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

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

Land Segment	Hypothetical Spill Location																									
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	
24	1	1	1	2	n	3	1	1	n	n	1	n	n	1	n	n	n	n	n	n	n	1	n	n	n	n
25	2	1	1	2	1	2	1	1	n	n	1	n	1	n	1	1	1	n	n	n	n	n	n	n	n	n
26	1	n	n	1	1	n	1	1	2	1	n	n	n	n	n	n	n	1	n	1	n	n	1	n	1	1
28	n	n	n	n	n	n	n	n	26	10	n	6	n	n	n	n	n	6	6	n	n	n	4	4	7	7
29	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	5	8	n	n	n	n	1	n	
30	n	n	n	n	n	n	n	n	6	n	1	n	3	n	n	n	n	1	3	n	n	n	n	n	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	2	1	n	n	n	n	n	n	n
38	n	n	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
39	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40	n	1	n	n	n	1	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
41	2	2	2	5	n	n	3	3	18	10	1	n	4	n	2	13	36	7	4	n	n	n	1	23	11	3
42	n	n	n	1	3	n	3	2	1	1	1	n	n	n	2	4	3	n	n	n	n	n	n	n	1	n
43	n	n	n	n	n	n	n	n	n	34	n	n	21	n	n	1	1	17	17	n	n	n	35	40	32	
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	30	35	n	n	4	10	21	
45	n	n	n	n	n	n	n	n	n	9	n	n	29	n	n	n	n	n	1	n	n	n	n	n	1	
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	2	n	n	n	n	n	
47	n	n	n	n	n	n	n	n	n	n	n	n	3	n	5	5	3	1	n	n	1	5	1	1	n	
48	1	1	2	1	2	2	1	3	1	3	4	2	3	n	2	2	1	2	n	2	1	3	n	n	n	
49	2	n	1	2	n	3	1	1	1	1	2	3	n	n	4	n	1	n	n	1	2	1	n	n	n	
50	1	n	n	1	2	3	1	2	1	n	2	1	n	n	n	n	1	n	n	n	n	1	n	n	n	
51	n	n	n	1	1	n	n	1	n	n	n	1	n	1	1	n	1	n	n	n	n	n	n	n	n	
52	n	1	n	n	n	1	1	n	n	n	n	n	n	1	1	n	n	n	n	1	n	n	n	n	n	
53	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	
54	n	2	n	n	n	n	1	1	2	n	1	n	n	n	n	1	n	n	n	1	n	2	n	n	n	
55	1	4	2	2	1	1	1	2	n	n	4	2	n	1	3	3	2	n	n	1	1	2	2	2	1	
56	n	n	2	1	1	1	1	n	n	n	2	3	n	3	n	1	n	n	n	n	n	2	n	n	n	

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

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

Land Segment	Hypothetical Spill Location																								
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
24	n	n	n	n	n	1	n	1	n	n	n	1	n	n	1	n	n	n	1	n	n	n	1	n	n
25	n	n	n	n	n	n	1	n	n	n	1	1	n	n	1	1	n	n	n	n	n	n	n	2	1
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	6	3	4	5	3	n	n	n	n	n	3	3	4	3	n	n	n	n	1	1	2	2	n	n	n
29	1	2	6	8	6	n	n	n	n	n	1	n	3	3	n	n	n	n	n	n	1	4	n	n	n
30	n	1	1	3	6	n	n	n	n	1	n	2	1	7	n	n	n	n	1	1	1	3	n	n	n
31	n	1	1	3	2	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n
38	n	n	n	n	n	n	n	n	n	n	n	n	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	1
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	1
41	7	7	4	2	6	n	1	2	50	48	7	4	4	4	n	1	4	48	54	26	7	7	n	n	4
42	1	n	n	n	1	n	n	n	4	n	n	33	19	14	n	n	9	6	n	n	n	n	n	1	5
43	26	22	15	17	19	n	n	n	2	13	39	33	19	14	n	n	n	1	10	40	51	10	n	n	n
44	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n
45	32	39	35	36	34	n	n	n	n	2	16	24	41	38	n	n	n	n	n	3	9	48	n	n	n
46	1	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
47	2	2	3	3	3	n	n	n	n	n	n	n	3	5	n	n	n	n	n	n	n	4	n	n	n
48	n	n	n	n	n	3	3	6	1	3	n	1	n	n	4	6	3	1	1	1	n	n	3	7	4
49	n	n	n	n	n	3	3	2	1	n	n	n	1	n	4	4	3	n	n	n	1	n	4	5	3
50	n	n	n	n	n	n	2	1	n	n	n	n	n	n	2	1	2	n	n	n	1	n	n	3	n
51	n	n	n	n	n	1	1	2	n	n	n	n	n	n	n	n	2	n	n	n	n	n	1	n	2
52	n	n	n	n	n	1	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	1	1
53	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
54	n	n	n	n	n	n	2	1	1	n	n	n	n	n	1	1	2	n	n	n	n	n	1	1	n
55	1	n	n	n	n	3	3	3	1	2	1	n	n	n	2	4	3	2	n	1	1	n	3	2	3
56	n	n	n	n	n	1	1	n	1	n	n	n	n	n	1	n	5	1	n	n	n	n	1	n	2

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

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

Land Segment	Hypothetical Spill Location																											
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P70	P71	P72	P73	P74	P75	P78			
22	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	n	3	1	n	n	n	n	n	n	7	4	4	n	3	1	1	n	1	1	1	n	1	n	2	n	1	n	n
29	n	2	2	n	n	n	n	n	n	12	7	7	4	4	3	2	2	2	3	3	2	n	11	13	24	n	n	n
30	n	9	8	n	n	n	n	n	n	6	7	20	17	30	24	28	27	15	20	26	28	n	11	13	24	n	n	n
31	n	n	1	n	n	n	n	n	n	2	3	1	4	1	6	6	14	37	6	5	7	**	38	50	2	n	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	1	n	2	1	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	n	n	n	n
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	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	n	n	n	n
40	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	n	n	n
41	47	2	2	2	n	n	n	n	n	4	2	4	2	3	3	1	n	n	2	2	1	n	1	n	n	n	n	n
42	4	n	n	1	4	3	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	n	12	8	n	n	n	n	n	n	20	19	15	13	8	7	8	6	6	8	n	n	n	n	2	2	7	n	n
44	n	n	n	1	n	n	8	6	8	n	n	n	n	n	n	n	n	n	14	38	n	n	n	n	n	n	n	n
45	n	56	59	n	n	n	n	n	n	27	30	26	38	30	32	33	30	14	38	32	27	n	11	7	40	n	n	n
47	n	3	4	n	n	n	n	3	1	2	4	4	4	4	6	7	6	15	7	7	9	n	18	14	9	n	n	n
48	2	n	n	3	6	9	11	13	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	1	n	n	2	4	7	8	13	13	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
50	1	n	n	1	3	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	n	1	1	4	4	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
52	n	n	n	n	n	n	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
53	n	n	n	n	n	n	2	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
54	1	n	n	2	1	6	2	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	1	n	n	1	2	2	6	6	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
56	1	n	n	1	2	2	3	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																					
	p79	p80	p81	p82	p83	p84	p85	p86	p87	p88	p89	p90	p91	p92	p93	p94	p95	p96	p97	p98	p99	p100
28	1	n	1	1	n	1	1	n	n	n	2	n	1	1	2	1	2	n	1	1	n	n
29	3	2	3	1	n	1	n	1	3	1	2	1	1	1	1	2	2	1	1	n	n	n
30	24	21	24	20	21	16	10	7	7	9	9	15	15	14	16	19	14	14	11	9	7	8
31	3	6	11	15	19	29	39	45	1	n	1	n	n	1	1	3	3	17	17	24	7	11
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	1	1	n	1
33	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	1
34	n	1	1	n	1	n	n	3	n	n	n	1	n	n	n	n	1	n	2	2	n	n
38	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	1	1
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
41	1	1	n	n	n	n	1	n	2	2	1	1	1	2	n	1	1	2	1	n	n	n
43	7	9	8	7	3	4	3	3	12	8	7	6	6	6	4	4	4	3	3	3	2	2
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n
45	31	38	26	26	20	15	14	10	53	59	58	54	48	45	41	32	32	14	10	9	15	10
47	13	11	13	15	20	19	16	14	4	6	7	10	13	17	21	24	26	23	24	20	40	43
48	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	1	1
49	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	1	n	1	n	2	1	1
51	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	3	2	3	2
52	n	1	1	1	n	1	1	1	n	n	n	n	1	n	n	n	n	1	2	6	2	1
53	n	n	1	n	n	1	n	1	n	n	n	n	n	n	n	n	n	1	1	3	2	1
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2
56	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	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.

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

Land Segment	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
32	6	4	7	3	3	5	8	n	n	n	1	2	4	7	n	n	n	n	n	1	1	1	1	1	n
33	n	1	21	n	n	1	7	n	n	n	n	n	n	1	n	n	n	n	n	n	1	6	8	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	n	26	3
46	n	n	n	1	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
47	n	n	n	n	n	n	n	11	4	1	n	n	n	n	11	4	4	4	n	1	1	n	n	1	2
48	14	12	4	33	26	14	7	29	36	38	38	19	16	10	15	22	13	19	10	12	7	1	1	n	13
49	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
51	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
51	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2

Land Segment	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
32	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
33	n	n	3	1	n	n	n	n	n	n	2	1	6	n	n	n	n	n	n	n	1	1	n	n	n
34	n	n	6	9	n	n	n	n	n	n	4	2	5	n	n	n	n	n	n	n	1	2	5	n	n
44	n	n	1	5	n	n	n	n	n	n	1	4	n	n	n	n	n	n	n	n	1	n	n	n	n
46	n	n	n	n	10	7	8	n	1	1	n	n	n	4	1	1	2	n	1	n	n	n	1	n	n
47	5	2	n	n	n	1	1	2	1	1	n	n	n	n	n	n	4	4	2	1	1	n	n	n	n
48	9	8	1	n	n	n	6	6	6	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	5	2	1	n	n	n	n	n	4	2	2	n	n	n	n	n	n	4	4	3
51	n	n	n	n	n	1	3	2	n	n	n	n	n	2	3	6	n	n	n	n	n	n	4	5	4
52	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
52	1	n	1	3	n	n	n	n	1	1	2	1	1	n	n	n	n	n	1	n	3	5	6	n	n

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

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

Land Segment	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
34	2	3	n	n	n	n	n	n	n	2	n	n	n	n	n	1	1	n	n	n	1	n	n	n	n
35	n	n	n	n	n	n	n	n	3	6	1	4	2	65	26	48	26	12	14	3	4	3	4	2	3
36	n	n	n	n	n	n	n	n	1	1	1	n	2	2	6	11	14	4	13	2	4	1	3	10	19
37	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	1	1	n	n	n	n	3	9
44	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	n	n	6	3	4	9	9	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	4	6	7	6	7	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
52	13	8	n	n	n	n	n	n	12	6	15	11	18	n	3	n	1	4	n	4	4	10	3	1	n

Land Segment	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
35	7	6	n	n	1	3	1	1	1	1	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n
36	32	50	**	1	n	3	9	15	39	42	1	18	21	n	n	n	n	n	n	n	n	n	n	n	n
37	9	14	n	n	n	1	7	9	16	20	n	16	23	n	n	n	n	n	n	n	n	n	n	n	n
38	n	n	n	n	n	n	n	n	n	n	n	3	3	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	2	2	1	3	n	n	n	n	n	n
51	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
52	n	n	n	19	13	4	n	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	2	2	6	1	n	n	n	n	n	n
55	n	n	n	n	n	n	n	n	n	n	n	n	n	2	4	3	3	6	3	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
101	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
30	7	4	4	2	4	5	4	n	n	1	4	1	2	n	n	n	1	n	2	4	2	1	1	n	n
31	11	11	10	8	7	9	11	n	n	1	4	7	7	13	n	n	1	3	3	4	7	6	n	n	n
32	1	4	23	n	n	2	9	n	n	1	n	n	1	2	n	n	n	n	1	n	3	7	11	n	1
33	n	n	n	1	n	1	n	n	1	n	n	n	n	n	1	n	n	n	1	n	1	1	3	n	1
34	n	1	1	1	n	1	2	n	1	1	1	n	3	3	1	1	3	2	1	2	3	3	3	n	2
44	n	1	n	1	2	n	n	5	4	4	1	1	n	n	6	6	6	4	3	2	2	1	n	27	7
45	6	6	2	6	7	5	3	2	2	n	n	2	3	4	n	n	n	1	1	3	1	n	2	n	n
46	1	1	1	3	n	1	13	6	3	1	n	2	1	13	7	6	6	6	2	3	2	n	1	1	5
47	29	27	14	38	32	28	19	30	38	40	43	27	25	22	17	23	17	21	14	20	16	10	11	1	13
48	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	2	n	1	n	n	n	n	8	1
49	n	n	n	n	n	n	n	1	n	1	n	n	n	n	2	n	3	1	1	1	n	n	n	6	3
51	1	1	1	1	1	1	2	1	2	4	1	3	1	1	3	2	1	3	3	1	n	2	1	1	2
52	n	1	3	n	1	1	1	2	3	n	1	1	3	1	3	1	1	2	4	3	2	9	8	n	2
53	n	n	1	n	n	n	n	2	n	1	n	1	n	1	3	1	2	3	1	1	1	1	n	n	3
54	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	1	1	n
55	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n

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

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

Land Segment	Hypothetical Spill Location																			
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	1	4	3	1	n	n	2	3	4	3	3	4	3	3	n	n	1	2	1	n
32	n	n	7	3	n	n	n	n	1	1	3	2	2	n	n	n	n	n	n	n
33	n	n	8	12	n	n	n	n	n	n	6	7	9	n	n	n	1	n	n	2
34	2	n	7	13	n	n	n	n	1	n	5	8	9	n	n	1	3	n	n	4
35	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6
36	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
37	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1
38	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	2
39	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
42	n	n	n	n	1	n	2	n	n	n	n	n	1	2	n	n	n	n	n	n
43	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
44	4	3	n	2	11	9	9	5	5	3	2	1	2	6	2	4	6	4	5	3
45	2	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
46	7	6	3	1	n	1	1	4	4	6	1	1	1	n	1	n	2	3	2	n
47	13	14	6	6	n	1	n	10	9	13	4	6	6	n	n	n	10	9	8	3
48	1	1	n	n	10	5	7	1	n	n	n	n	n	8	n	6	1	1	1	n
49	1	n	n	n	6	10	11	n	n	1	3	n	n	11	13	11	2	3	1	1
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
51	3	6	1	n	1	2	3	2	3	2	1	3	3	2	2	1	5	4	3	1
52	7	3	13	13	3	n	1	5	6	7	16	14	13	1	n	n	2	4	8	18
53	1	1	n	1	n	1	n	4	2	1	1	n	n	n	n	1	2	3	2	1
54	n	n	n	n	1	n	n	n	n	n	1	n	n	n	n	2	n	n	n	1
55	n	n	n	n	1	2	n	n	n	n	n	n	3	2	1	n	n	n	n	n
56	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1

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

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

Land Segment	Hypothetical Spill Location																											
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	6	3	n	n	n	n	n	3	n	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	n	n	n	n	n	n	n	5	6	2	4	2	68	28	51	27	12	16	3	4	4	4	4	4	4	4	4	4
36	2	2	n	n	n	n	n	2	4	2	1	4	6	10	13	16	6	16	4	5	2	3	10	22	24	24	24	24
37	2	1	n	n	n	n	n	4	6	6	8	3	8	9	8	13	11	18	10	9	7	9	22	24	24	24	24	24
38	5	6	n	n	n	n	n	8	11	10	14	11	1	12	7	6	12	8	12	20	13	19	17	8	8	8	8	8
39	1	2	n	n	n	n	n	5	5	6	3	4	1	3	n	2	4	1	6	5	5	8	2	n	n	n	n	n
40	n	n	n	n	n	n	n	1	1	1	1	1	1	n	n	n	1	n	2	1	2	1	n	n	n	n	n	n
42	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
44	4	1	n	1	1	n	n	n	n	n	n	1	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n
46	1	1	n	n	n	n	n	1	n	n	n	n	1	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n
47	1	3	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n
48	n	n	11	13	10	13	16	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	13	11	16	10	10	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
51	1	1	2	3	1	4	4	6	n	n	2	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
52	21	15	n	2	n	n	1	n	27	19	26	24	28	2	10	5	9	22	9	19	14	19	18	13	8	8	8	8
53	1	1	n	1	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
54	n	n	1	1	n	2	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	2	3	1	1	2	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
56	n	n	n	n	n	n	n	1	1	1	3	n	2	n	n	n	1	n	n	n	1	1	1	1	1	1	1	1

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

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

Land Segment	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
35	13	11	n	1	2	4	6	6	8	4	n	/	6	n	n	n	n	n	n	n	n	n	n	n	n
36	33	51	**	3	n	5	10	17	41	45	3	20	26	n	n	n	n	n	n	n	n	n	n	n	n
37	21	21	n	4	/	8	22	23	26	25	7	27	30	n	n	n	n	n	n	n	n	n	n	n	n
38	11	6	n	13	17	15	14	16	6	7	17	16	14	n	n	n	n	n	n	n	n	n	n	n	n
39	n	n	n	6	8	7	4	2	n	n	9	3	1	n	n	n	n	n	n	n	n	n	n	n	n
40	n	n	n	4	1	1	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n
44	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1	1	n	n	n	n	n	n	n
49	n	n	n	n	n	n	n	n	n	n	n	n	n	9	9	5	5	2	6	1	2	2	n	3	3
50	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	2	n	2	n	n	2	n	n	4
51	n	n	n	n	1	1	n	n	n	n	1	n	n	6	10	4	4	3	4	n	n	n	n	n	n
52	3	2	n	30	26	19	16	8	2	2	23	4	4	1	2	1	1	1	2	n	n	n	n	n	n
53	n	n	n	n	n	n	n	1	n	n	n	n	n	2	3	2	2	3	1	n	n	n	n	n	n
54	n	n	n	n	n	n	n	n	n	n	n	n	n	9	9	11	11	10	6	n	n	1	n	n	1
55	n	n	n	n	n	n	n	n	n	n	n	n	n	9	10	11	11	14	17	4	2	4	1	3	3
56	n	n	n	3	2	2	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																														
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
29	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125						
30	1	6	4	9	4	7	6	1	1	1	5	2	2	8	14	1	2	2	3	4	7	6	3	n	n	n					
31	13	11	10	9	10	9	12	n	1	3	/	8	8	14	1	1	2	3	2	4	4	6	6	1	n	n					
32	1	5	26	1	n	4	9	n	1	2	n	n	1	2	1	1	n	n	2	1	3	8	11	n	1						
33	2	2	2	2	2	3	6	n	1	1	1	1	1	1	1	1	n	n	1	1	2	2	3	n	n						
34	n	2	2	2	2	3	n	n	1	1	3	2	6	5	3	1	4	2	2	3	5	5	4	1	3						
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n						
37	n	n	n	n	1	1	n	n	2	1	n	n	2	n	n	n	2	1	1	1	1	2	3	2	n						
38	1	1	2	1	n	1	1	n	2	1	n	n	2	3	1	3	2	1	1	3	2	1	3	n	5						
39	n	n	n	n	n	1	1	n	n	n	1	n	n	n	1	1	1	2	2	2	1	2	1	2	1						
40	1	n	n	n	n	n	n	n	1	n	1	1	n	1	n	1	n	n	1	1	2	3	2	n	1						
41	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n						
43	2	2	1	1	1	1	2	n	n	n	n	n	2	1	1	n	n	n	n	n	1	n	1	n	n						
44	n	1	n	2	2	1	1	6	4	5	1	2	1	1	6	6	7	4	4	3	4	2	2	2	7						
45	9	7	3	8	13	7	4	2	3	1	2	7	4	6	n	1	1	3	1	5	3	1	3	n	n						
46	1	1	1	3	1	1	1	15	7	3	2	1	2	2	13	7	6	8	3	4	4	1	1	1	6						
47	32	29	15	39	33	30	21	32	38	41	45	29	27	24	19	24	19	23	15	21	17	13	13	1	16						
48	1	2	1	1	2	1	2	2	2	2	2	1	n	1	4	6	6	3	3	1	1	n	3	9	3						
49	n	1	2	3	3	2	2	3	3	2	2	2	2	1	6	2	6	3	5	4	3	6	n	1	6						
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n	1	1						
51	3	2	3	2	3	3	4	3	3	5	2	4	6	3	6	2	6	6	6	4	4	3	3	2	6						
52	2	4	6	2	5	2	6	7	8	4	6	6	6	7	6	5	6	5	9	8	8	11	10	5	9						
53	n	3	6	n	1	2	3	4	1	3	3	3	2	2	4	4	4	6	4	1	3	4	2	2	6						
54	1	n	n	1	1	n	n	2	1	n	n	1	n	2	n	n	2	n	2	2	1	1	1	1	1						
55	n	n	n	n	1	n	n	1	n	2	n	1	n	1	2	1	1	1	n	2	3	n	1	3	1						
56	n	n	n	n	n	n	1	1	1	1	1	1	1	1	2	4	2	1	2	1	2	2	3	1	1						

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

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

Land Segment	Hypothetical Spill Location																														
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
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	n	n	n	n	n	
14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
30	1	2	1	1	n	n	n	1	n	2	n	n	n	n	n	n	n	n	n	n	1	1	1	1	n	n	n	n	n	n	
31	1	4	3	4	n	n	n	2	3	4	6	5	4	n	n	n	n	n	n	n	1	4	3	3	1	3	n	n	n	n	n
32	n	n	7	3	n	n	n	n	n	n	1	4	2	3	n	n	n	n	n	n	1	n	2	3	2	n	n	n	n	n	n
33	1	2	8	13	n	n	n	1	n	1	1	2	7	9	n	n	n	n	n	n	2	1	1	5	3	n	n	n	n	n	n
34	5	2	8	13	1	n	n	1	4	3	6	8	9	1	n	1	n	n	n	n	4	n	1	6	5	9	1	1	n	n	n
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	1	n	n	n	n	n	n
36	1	n	n	n	n	n	n	n	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n
37	1	n	1	1	n	n	n	1	2	1	n	2	1	n	n	n	n	n	n	n	2	2	2	4	1	2	1	1	n	n	n
38	n	2	7	2	n	1	1	n	1	2	2	2	1	3	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n
39	1	1	2	3	n	2	1	1	2	1	2	3	1	1	1	1	2	n	n	n	1	2	n	1	3	1	1	2	2	2	n
40	2	n	1	1	n	1	2	2	2	1	2	4	3	n	n	n	n	n	n	n	1	1	2	3	4	2	1	1	n	n	n
42	n	n	n	n	n	2	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
43	n	n	1	1	n	n	1	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
44	4	4	1	2	11	10	n	9	6	7	4	2	3	2	6	n	n	n	n	n	2	4	6	4	7	5	2	2	2	1	1
45	3	3	1	3	n	n	1	1	1	1	1	3	1	n	n	n	n	n	n	n	2	2	4	4	1	2	n	n	n	n	n
46	7	6	3	2	n	1	2	5	5	7	3	1	1	n	n	n	n	n	n	n	2	2	4	4	1	2	3	2	n	n	n
47	15	15	8	7	n	1	n	11	10	15	6	7	7	/	n	1	1	12	12	10	6	9	6	n	n	n	n	n	n	n	n
48	2	3	2	1	13	6	11	4	4	4	3	4	3	3	13	9	9	4	3	2	3	3	3	n	9	14	11	n	n	n	n
49	6	6	n	2	11	15	14	5	4	5	3	2	3	15	18	13	5	7	7	4	3	2	2	15	11	14	n	n	n	n	n
50	n	1	n	n	n	2	3	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	1	n	n	n	n
51	6	9	3	1	2	6	6	6	6	5	2	5	5	6	6	6	2	7	9	6	3	1	6	3	4	6	n	n	n	n	n
52	10	9	15	13	6	1	6	11	11	11	20	16	15	4	2	3	6	9	14	21	24	17	4	3	4	4	n	n	n	n	n
53	5	4	n	1	2	2	4	4	4	4	1	n	1	3	3	3	4	1	2	4	1	2	n	1	7	2	5	n	n	n	n
54	1	n	n	1	2	4	4	1	3	3	1	2	1	2	6	4	1	3	n	n	1	n	1	1	1	4	7	5	n	n	n
55	n	1	1	n	3	7	5	n	1	2	n	1	1	n	6	6	6	2	2	1	1	1	1	1	4	7	5	n	n	n	n
56	1	1	2	6	4	1	3	2	4	3	3	6	4	2	2	2	3	2	3	2	3	4	6	1	2	2	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																														
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175							
30	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	2	1	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
32	3	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	6	3	1	n	n	n	n	1	n	3	n	1	n	1	1	1	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	5	6	2	4	2	68	28	51	27	12	16	3	4	7	6	10							
36	2	2	n	n	n	n	n	n	3	4	2	1	4	6	10	13	16	6	16	4	6	2	4	10	22						
37	3	1	n	n	n	n	1	1	4	7	6	3	8	9	8	14	12	18	10	9	8	9	22	25							
38	6	8	1	1	2	n	1	10	13	10	15	12	1	13	9	6	13	9	13	21	13	19	18	8							
39	3	7	1	1	3	2	1	1	7	6	7	4	6	1	5	1	3	4	2	8	6	7	8	2	1						
40	5	6	1	n	1	1	1	1	6	7	7	5	4	n	1	n	1	1	n	7	3	9	5	1	n						
42	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						
44	5	4	n	1	1	1	n	n	1	n	1	4	1	n	2	n	n	1	2	1	4	n	n	2	1	n					
45	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n						
46	1	1	n	n	n	n	1	1	1	1	n	n	1	n	n	n	n	1	1	1	1	n	1	n	1	n					
47	4	3	n	n	15	19	20	16	1	n	2	2	1	1	1	n	1	1	n	1	1	3	n	1	n	1	n				
48	1	3	13	18	18	11	13	14	3	1	n	1	1	n	n	n	1	1	1	n	1	2	1	1	1	1					
49	1	3	14	13	18	11	13	14	3	1	2	2	4	n	1	n	1	1	1	n	1	2	1	2	1	1					
50	n	n	1	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
51	6	3	3	7	5	6	6	7	1	1	4	1	2	1	2	1	2	2	1	1	2	1	2	1	3						
52	24	18	2	6	3	1	3	1	2	1	2	29	6	11	6	10	23	14	20	16	20	19	14	12							
53	1	1	3	3	2	1	2	1	n	1	1	n	n	n	n	1	1	1	n	1	n	n	1	n	1	n					
54	n	n	4	4	4	5	6	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
55	n	n	6	5	4	6	7	9	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
56	4	6	1	2	1	2	3	2	5	4	10	6	8	n	3	1	3	7	3	6	10	5	2	2							

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

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

Land Segment	Hypothetical Spill Location																														
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200						
31	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
33	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
35	13	11	n	1	2	4	6	6	9	5	1	7	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
36	33	51	**	3	n	6	11	17	41	45	3	20	26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
37	21	22	n	4	7	8	22	23	26	25	7	27	30	2	1	n	n	n	1	n	n	n	n	n	1	n	n	n	n	n	
38	11	6	n	14	18	15	15	16	6	8	17	16	14	1	3	1	1	3	1	n	n	n	n	n	n	n	n	n	n	n	
39	n	n	n	8	10	8	4	2	n	1	9	3	1	1	2	2	2	3	1	n	n	1	2	1	n	n	n	n	n	n	
40	n	n	n	7	5	2	1	2	n	n	5	n	n	2	2	2	2	2	2	1	2	1	1	3	n	n	n	n	n	n	
42	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
44	1	n	n	2	2	2	1	1	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
45	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
46	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
47	n	n	n	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
48	1	1	n	n	1	2	n	3	1	n	n	n	n	6	3	6	6	6	2	n	2	4	n	1	1	1	1	1	1	1	
49	n	n	n	n	1	n	1	1	1	1	n	n	n	11	13	7	7	6	9	2	3	4	1	3	4	1	3	4	1	3	
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3	1	3	1	n	3	1	1	1	1	1	1	1	5	
51	1	n	n	1	2	1	1	1	n	1	2	1	2	10	14	9	9	9	6	n	1	n	1	1	1	1	1	1	1	1	
52	6	4	n	30	27	21	21	12	7	4	25	8	8	3	4	4	4	2	3	1	1	n	1	n	1	n	1	n	n	n	
53	n	n	n	n	n	n	1	1	n	n	n	n	n	3	5	3	3	5	2	n	1	2	6	2	3	3	3	3	3	3	
54	n	n	n	n	n	n	n	n	n	n	n	n	n	11	12	13	13	13	8	3	2	6	7	7	7	7	9	9	9	9	
55	n	n	n	n	n	n	n	n	n	n	n	n	n	14	14	15	15	17	22	6	7	8	7	7	7	9	9	9	9	9	
56	n	n	n	10	8	8	2	1	n	n	11	2	n	3	2	2	2	5	3	3	2	4	2	2	2	2	2	2	2	2	2

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

Table C-7. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 10 days.

Land Segment	Hypothetical Spill Location																				
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221
48	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	2	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
50	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
54	2	2	1	3	1	1	1	1	1	3	2	3	3	1	6	6	5	3	5	4	3
55	4	7	8	7	6	5	7	3	5	7	5	7	9	7	4	13	9	7	8	6	6
56	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	1	n	n	n	n	1

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

Table C-8. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 30 days.

Land Segment	Hypothetical Spill Location															
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	201	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	201	n	1	1	1	1	1	1	1	1	1	1	1	1	1	1
38	201	n	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39	201	n	2	5	2	2	3	2	4	3	3	2	2	2	3	1
40	201	3	3	3	2	4	3	3	4	3	3	3	2	2	3	1
44	201	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	201	2	2	1	1	1	1	1	n	1	n	n	n	n	n	n
49	201	3	3	2	1	1	1	3	1	1	n	2	n	n	1	1
50	201	1	n	2	n	n	1	1	n	n	n	2	n	n	1	1
51	201	n	1	1	1	1	1	1	1	n	1	2	n	n	n	n
52	201	1	2	2	1	2	5	2	3	1	3	3	1	1	2	2
53	201	n	1	2	n	n	1	1	1	n	n	n	n	n	n	n
54	201	5	4	6	5	4	3	4	6	8	4	7	n	n	n	n
55	201	11	12	15	9	9	9	11	11	6	14	14	14	9	11	10
56	201	6	9	4	9	9	10	6	7	12	10	15	10	13	10	7

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

Table C-9. -- Probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 3 days.

Land Segment	Hypothetical Spill Location																			
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20
28	1	7	13	36	n	3	7	8	10	7	6	n	1	4	10	1	8	4	7	6
29	n	n	n	n	n	n	n	n	4	7	9	7	n	n	n	n	n	n	1	2
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
41	3	6	6	3	3	13	10	6	3	n	n	4	10	18	16	33	21	12	8	3
42	2	n	n	n	1	1	1	n	n	n	n	n	3	2	n	1	n	n	n	n
43	n	n	n	n	n	n	n	5	6	6	2	n	n	n	n	2	2	6	8	7
45	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	1
																				2
																				2
																				2
																				3
																				3

Land Segment	Hypothetical Spill Location																			
	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37	E38	E39	E40	E41	E42	E43	E44	E45
28	2	1	1	2	3	7	4	3	n	1	n	n	2	n	1	2	n	1	n	1
29	n	n	n	n	n	2	2	4	n	n	n	n	n	n	n	n	n	1	1	n
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n
41	33	23	13	6	3	n	n	n	2	24	40	38	4	17	18	9	2	n	2	3
42	1	1	n	n	n	n	n	n	1	2	3	n	n	4	1	n	n	n	n	n
43	1	11	18	11	14	11	8	9	n	1	3	4	22	n	32	34	16	3	4	39
45	n	n	n	3	2	3	3	3	n	n	n	n	8	n	n	n	17	13	14	13
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
																				28
																				32
																				10
																				22
																				3
																				3
																				30
																				23
																				1
																				n

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

Table C-9. (Continued) --- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 3 days.

Land Segment	Hypothetical Spill Location																									
	E51	E52	E53	E54	E55	E56	E57	E58	E59	E60	E61	E62	E63	E64	E65	E66	E67	E68	E69	E70	E71	E72	E73	E74	E75	
29	n	n	n	n	n	n	n	n	3	n	n	n	n	1	2	n	n	n	n	n	2	1	n	n	n	n
30	n	n	n	n	n	n	n	n	6	30	13	12	4	4	11	18	20	13	8	1	3	9	12	6	3	
31	n	n	n	n	n	n	n	n	n	10	18	24	n	n	n	8	10	16	22	n	n	n	n	2	8	
41	4	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
43	51	48	41	23	7	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	1	1	n	n	n	
44	n	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
45	4	13	21	38	42	n	n	n	6	3	1	2	16	10	14	3	6	3	2	29	23	17	18	6	1	
46	n	1	1	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
47	n	n	n	n	n	n	n	n	n	n	1	2	n	2	n	2	1	2	4	n	n	1	1	10	9	
48	n	n	n	n	n	3	3	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
49	n	n	n	n	n	3	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

Land Segment	Hypothetical Spill Location																								
	E76	E77	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
30	3	1	2	6	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	14	23	n	2	4	1	1	6	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	n	n	n	n	26	16	14	19	4	9	9	8	1	3	n	n	n
36	n	n	n	n	n	n	n	n	n	n	n	n	12	4	8	22	7	7	17	36	3	6	4	6	3
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	3	3	5	n	2	1	2	2
45	n	2	11	6	2	8	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
47	8	4	20	16	13	18	21	10	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	n	n	n	n	n	n	n	17	14	14	n	n	n	n	n	n	n	n	n	n	n	n	n
52	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	4	n	n	n	4	3	6	3	2

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

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

Land Segment	Hypothetical Spill Location																								
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E17	E18	E19	E20	E21	E22	E23	E24	E25	
26	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
27	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	2	9	1/	3/	n	6	12	11	13	11	10	n	1	/	12	4	13	/	10	8	10	11	3	6	n
29	n	n	n	n	n	n	n	5	/	9	7	n	n	n	n	n	n	n	1	2	2	4	/	9	n
30	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n
41	13	16	15	11	6	21	18	14	13	10	6	/	13	21	22	39	30	23	18	12	9	7	/	4	20
42	4	1	1	n	2	3	2	1	n	n	n	1	4	3	1	1	1	n	n	n	n	1	n	n	3
43	n	1	1	n	n	n	1	33	32	30	30	n	n	1	1	6	11	25	29	32	32	29	26	19	1
45	n	n	n	n	n	n	n	4	6	14	1/	n	n	n	n	1	n	4	6	10	14	19	26	26	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
48	1	n	n	n	1	n	n	n	n	n	n	2	n	1	n	1	n	n	n	n	n	n	n	n	1
49	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	1
50	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1

Land Segment	Hypothetical Spill Location																								
	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37	E38	E39	E40	E41	E42	E43	E44	E45	E46	E47	E48	E49	E50
28	3	3	2	6	/	9	/	4	n	1	n	1	2	n	2	5	2	2	2	3	2	4	2	n	3
29	n	n	n	n	1	2	3	4	n	n	n	n	n	n	n	n	1	3	6	2	1	2	2	6	6
30	n	n	n	n	1	n	n	n	n	n	n	1	n	n	1	1	n	3	6	2	2	2	2	4	2
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n
41	36	26	18	11	8	8	4	6	4	25	41	40	10	18	20	10	4	5	3	5	3	1	4	3	3
42	2	1	n	n	n	n	1	n	2	2	4	n	n	4	1	n	n	n	n	n	n	n	n	n	n
43	/	2/	34	29	32	31	21	20	n	2	6	12	32	n	40	42	23	11	13	45	45	26	14	/	13
45	1	1	6	12	16	18	26	29	n	n	n	2	19	n	3	9	37	37	39	16	20	42	43	43	44
46	n	n	n	n	1	1	n	1	n	n	n	n	n	n	n	1	n	1	n	n	n	n	1	n	n
47	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	3	3	n	n	n	3	2	n
48	n	n	n	n	n	n	n	n	2	1	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	n	n	n	1	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
50	n	n	n	n	n	n	n	n	1	1	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																								
	E51	E52	E53	E54	E55	E56	E57	E58	E59	E60	E61	E62	E63	E64	E65	E66	E67	E68	E69	E70	E71	E72	E73	E74	E75
28	2	n	1	2	1	n	n	n	n	6	n	n	n	1	1	n	n	n	n	1	2	1	n	n	n
29	n	2	1	n	2	n	n	n	n	6	1	n	n	4	4	1	2	n	1	3	3	3	3	n	n
30	n	1	3	4	4	n	n	n	n	9	36	23	23	8	11	17	28	23	14	6	12	14	21	19	16
31	n	n	n	n	n	n	n	n	n	1	17	26	30	1	2	1	21	24	30	n	1	2	2	8	14
41	4	2	3	4	3	n	n	n	n	3	n	n	n	5	2	n	n	n	3	3	3	1	1	n	n
42	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	57	50	42	26	10	n	n	n	n	13	2	1	3	7	10	7	6	2	3	2	6	6	6	4	n
44	n	n	n	n	n	3	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
45	13	20	26	46	53	n	n	n	n	23	16	15	13	32	27	27	15	17	15	14	41	34	33	20	21
46	n	1	2	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
47	n	n	1	n	n	n	n	n	n	3	2	3	6	6	6	6	9	7	8	11	3	5	6	6	14
48	n	n	n	n	n	13	13	18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	8	11	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
50	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	n	n	n	1	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
52	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
53	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	n	n	2	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																								
	E/6	E/1	E/8	E/9	E/80	E/81	E/82	E/83	E/84	E/85	E/86	E/87	E/88	E/89	E/90	E/91	E/92	E/93	E/94	E/95	E/96	E/97	E/98	E/99	E/100
29	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	17	11	13	18	14	14	10	14	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	22	32	3	2	10	4	4	10	13	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	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
33	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	2	1	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	n	n	n	n	28	17	15	23	8	14	12	14	2	4	n	4	n
36	n	n	n	n	n	n	n	n	n	n	n	n	16	8	11	24	10	10	21	37	4	7	7	4	n
37	n	n	n	n	n	n	n	n	n	n	n	n	13	14	13	11	13	18	14	15	8	18	13	15	12
38	n	n	n	n	n	n	n	n	n	n	n	n	10	14	16	8	14	13	13	4	19	14	20	20	21
39	n	n	n	n	n	n	n	n	n	n	n	n	1	3	2	1	5	1	2	n	4	4	6	5	8
40	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
43	1	n	2	1	n	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
44	n	n	n	n	1	n	n	n	n	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
45	8	15	28	20	15	17	15	13	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
46	n	n	n	n	n	n	1	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
47	16	14	26	27	24	28	28	23	26	1	1	1	n	n	n	n	1	n	1	n	n	1	n	n	n
48	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	n	n	n	n	6	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	n	n	n	1	1	1	1	22	20	18	n	n	n	n	n	n	n	n	1	1	n	n	n
52	n	n	n	n	n	n	n	n	n	4	4	3	7	14	11	8	13	10	9	5	17	16	17	15	17
53	n	n	n	n	n	n	n	n	n	4	2	2	n	n	n	1	n	n	1	n	1	n	n	n	n
54	n	n	n	n	n	n	n	n	n	1	2	5	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n
56	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	3	n	n	n	1

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

Table C-11. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 30 days.

Land Segment	Hypothetical Spill Location																								
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E22	E22	E23	E24	E25
22	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	2
25	2	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1
26	n	1	1	3	n	n	1	n	n	n	n	1	1	n	n	n	1	1	n	n	n	n	n	n	1
27	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	2	9	1/	3/	n	6	12	11	13	12	11	n	1	/	12	4	13	/	10	8	10	11	5	6	n
29	n	n	n	n	n	n	n	5	/	9	/	n	n	n	n	n	n	n	2	2	2	4	/	10	n
30	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	2	3	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	1	n
39	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
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	1
41	13	16	16	13	/	21	18	15	13	10	/	/	13	21	22	39	30	23	18	13	10	/	8	6	20
42	4	1	1	1	3	3	2	1	n	n	n	1	4	3	3	1	1	n	n	n	n	1	n	n	4
43	n	1	1	n	n	n	1	34	32	30	31	n	n	1	1	6	11	26	29	32	32	29	26	21	1
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
45	n	n	n	n	n	n	n	4	/	15	18	n	n	n	n	1	n	4	6	11	14	19	2/	32	n
46	n	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	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	3	1	1	1	2	2	n	n	n	n	1	n	3	1	3	2	2	1	2	2	n	n	n	n	3
49	1	1	1	1	3	2	2	n	n	n	n	3	4	1	1	n	n	1	1	1	1	1	2	n	4
50	2	n	n	n	1	n	1	n	n	n	n	2	1	1	n	n	1	n	1	1	1	n	n	n	2
51	n	n	n	n	n	1	n	n	1	n	n	2	n	n	1	n	n	n	n	n	n	n	n	n	1
52	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	n	n	n	n	1	n	n	n	n	1	n	n	1	2	n	n	n	n	n	n	n	n
55	2	2	1	2	2	2	1	n	1	n	1	5	4	1	1	1	1	1	1	n	n	1	n	1	4
56	1	1	n	n	2	n	n	n	n	n	n	1	1	1	1	n	n	n	n	n	n	n	n	n	n

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

Table C-11. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 30 days.

Land Segment	Hypothetical Spill Location																									
	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37	E38	E39	E40	E41	E42	E43	E44	E45	E46	E47	E48	E49	E50	
24	1	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	n	n	1	n	n	n	n	n	1	1	n	1	1	1	n	1	n	n	n	n	n	n	n	n	n	n
26	1	n	n	1	n	1	n	n	n	1	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n
28	3	3	2	6	7	9	7	4	n	1	n	1	2	n	2	5	3	2	3	3	5	4	2	n	4	4
29	n	n	n	n	1	2	3	5	n	n	n	n	n	n	n	n	2	3	6	2	1	2	2	6	6	
30	n	n	n	n	1	n	1	n	1	n	n	1	n	n	1	1	n	4	7	2	2	3	2	5	3	
31	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	2	2	2	n	n	n	n	2	2	
38	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	
40	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	
41	37	26	19	11	8	9	5	6	4	25	41	10	18	20	10	5	5	3	5	3	2	5	4	3	3	
42	2	1	n	n	n	n	1	n	2	2	4	n	n	4	1	n	n	n	n	n	n	n	n	n	n	
43	7	27	34	29	32	32	23	20	n	2	6	12	32	n	41	43	23	13	16	46	45	26	15	11	15	
44	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	
45	1	1	6	12	17	20	26	32	n	n	n	3	19	n	3	10	39	46	45	17	22	43	47	46	50	
46	n	n	n	1	1	1	1	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	1	n	n	
47	n	n	n	1	n	n	n	2	n	n	n	n	n	n	n	n	1	4	5	1	n	n	4	6	1	
48	2	4	2	3	1	n	n	n	3	2	1	2	n	3	n	1	n	n	n	n	n	n	n	n	n	
49	1	2	n	n	n	1	1	n	2	4	2	1	1	2	n	1	n	n	n	1	n	n	1	n	n	
50	n	n	n	n	n	n	n	n	2	n	1	1	n	2	n	n	n	n	n	n	n	n	n	n	n	
51	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	
52	n	n	n	n	n	n	n	n	1	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	
53	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
55	n	n	n	n	1	n	1	n	2	1	3	n	n	2	n	n	n	n	n	n	n	n	n	n	n	
56	n	n	n	n	n	n	n	n	n	1	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	

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

Table C-11. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 30 days.

Land Segment	Hypothetical Spill Location																										
	E51	E52	E53	E54	E55	E56	E57	E58	E59	E60	E61	E62	E63	E64	E65	E66	E67	E68	E69	E70	E71	E72	E73	E74	E75		
28	2	n	2	2	1	n	n	n	6	1	1	n	2	1	1	1	2	n	1	1	2	3	2	n	n		
29	1	2	1	1	2	n	n	n	6	1	n	n	5	4	4	1	2	1	3	3	3	3	3	n	1		
30	1	2	5	4	5	n	n	n	10	3/	25	24	9	11	18	2/	29	24	16	6	14	17	22	20	16		
31	n	n	n	n	n	n	n	n	4	18	28	32	3	4	3	15	22	29	33	2	3	4	6	8	16		
34	n	n	n	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	n	2	1		
37	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
38	n	n	n	n	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
39	n	n	n	n	n	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
40	n	n	n	n	n	1	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n		
41	4	4	3	5	4	n	n	n	3	1	n	n	6	3	2	3	n	1	1	4	5	2	2	1	1		
42	n	n	n	n	n	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
43	5/	51	43	26	12	n	n	n	15	3	6	4	12	13	7	8	6	3	4	11	7	8	8	7	2		
44	n	n	n	n	n	3	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
45	15	22	27	4/	55	n	n	n	32	22	19	19	42	39	3/	20	19	17	19	48	40	39	36	26	25		
46	n	1	2	n	3	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	n	n	n		
47	n	n	1	n	1	n	1	n	6	6	8	8	8	9	7	11	11	12	13	4	7	8	8	16	19		
48	n	n	n	n	n	15	14	20	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n		
49	n	n	n	n	n	11	16	9	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n		
50	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
51	n	n	n	n	n	3	4	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1		
52	n	n	n	n	n	4	4	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1		
53	n	n	n	n	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1		
54	n	n	n	n	n	4	2	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
55	n	n	n	n	n	6	2	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
56	n	n	n	n	n	1	4	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		

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

Table C-11. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 30 days.

Land Segment	Hypothetical Spill Location																								
	E/6	E7	E78	E79	E80	E81	E82	E83	E84	E85	E86	E87	E88	E89	E90	E91	E92	E93	E94	E95	E96	E97	E98	E99	E100
28	n	1	1	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	19	13	14	19	16	14	11	16	9	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
31	26	34	3	6	13	5	7	11	14	n	n	n	n	1	n	n	n	n	n	n	n	1	n	1	n
32	n	1	n	n	n	n	n	1	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
33	1	1	n	n	1	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
34	n	n	1	1	2	1	n	2	1	2	1	n	1	1	1	2	1	n	n	1	n	1	n	n	n
35	n	n	n	n	n	n	n	n	n	n	n	n	28	17	15	23	8	14	12	14	2	4	1	4	1
36	n	n	n	n	n	n	n	n	n	n	n	n	17	8	11	24	11	11	21	38	4	8	7	8	5
37	n	n	n	n	n	n	n	n	1	2	n	n	13	15	14	11	13	18	14	15	8	18	13	15	12
38	n	1	n	n	n	n	1	n	n	1	2	2	13	14	19	8	15	14	15	5	19	15	21	21	
39	n	n	n	n	n	n	n	n	n	2	2	2	2	4	3	2	6	3	3	1	7	4	6	6	9
40	n	n	n	n	n	n	n	n	1	1	1	1	1	1	1	1	2	2	1	n	5	3	3	2	5
41	n	n	n	n	n	1	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	4	3	4	4	5	3	3	2	4	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	1
44	n	n	n	n	1	1	n	n	2	3	2	3	n	n	1	n	1	n	n	n	1	n	1	n	n
45	11	17	33	22	18	19	18	16	12	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
46	n	n	1	n	n	n	1	n	n	2	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n
47	19	16	27	30	25	29	29	24	31	2	2	3	1	1	1	1	1	2	2	1	n	1	1	1	n
48	n	n	n	n	n	1	2	n	n	1	3	6	3	n	1	1	n	1	n	1	1	1	1	1	1
49	n	n	n	n	n	n	n	n	1	1	7	7	5	1	1	n	1	1	1	n	n	2	3	n	n
50	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	1	n	n	n	n	n
51	n	n	n	n	1	n	2	2	1	1	26	23	22	n	n	n	2	1	2	1	1	1	1	1	n
52	1	1	n	1	1	n	1	5	2	1	1	6	7	9	15	13	12	16	13	12	9	19	18	21	19
53	1	n	1	n	n	1	n	1	1	1	7	3	2	n	1	2	n	n	1	n	1	1	n	n	1
54	n	n	n	n	n	1	n	n	n	n	1	4	7	n	n	n	n	n	n	n	n	n	n	n	n
55	1	n	n	n	n	n	1	n	n	n	2	4	7	n	n	n	1	1	n	n	n	n	n	n	n
56	n	n	n	n	1	n	1	n	n	2	2	2	4	1	3	2	1	4	3	2	3	10	6	6	5

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

Table C-12. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 3 days.

Land Segment	Hypothetical Spill Location																													
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E			
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130
36	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
37	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	n	n	n	
52	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

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

Table C-13. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 10 days.

Land Segment	Hypothetical Spill Location																								
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
35	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
36	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	20	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
38	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
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
48	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	1	1	2	n	2	n	n	n	2	1	n	n	n	n	n	n	n	n	1	n	n	n	n
50	n	n	n	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
52	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
54	n	1	1	1	n	n	n	n	n	1	1	n	n	n	n	n	1	n	n	n	1	1	1	1	n
55	n	3	3	2	6	6	3	4	2	3	4	6	4	6	6	5	3	2	4	4	4	3	4	8	2

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

Land Segment	E				
	E	E	E	E	E
	126	127	128	129	130
54	2	n	1	n	3
55	3	3	3	3	2

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

Table C-14. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 30 days.

Land Segment	Hypothetical Spill Location																								
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
35	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
36	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
37	20	n	n	n	n	1	1	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n
38	23	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	2	n	n	2	2	n
39	9	2	2	1	n	1	1	1	2	2	1	4	2	2	2	1	n	n	1	2	1	1	3	2	1
40	n	2	n	1	3	2	n	1	1	n	1	4	2	2	4	2	1	1	2	4	4	3	1	3	n
42	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
47	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
48	n	1	1	2	2	1	2	1	1	n	1	1	n	n	1	n	n	2	1	n	n	1	n	1	1
49	1	3	1	2	6	3	4	1	1	1	4	3	1	1	1	1	n	1	n	2	n	3	1	n	n
50	n	1	1	1	1	n	1	n	n	n	2	n	1	1	1	1	n	n	1	1	1	1	n	n	n
51	1	n	2	n	n	n	n	n	n	2	1	1	n	n	1	1	n	n	n	1	n	1	n	n	n
52	17	1	1	1	1	1	1	3	2	2	1	2	1	1	1	1	1	n	2	1	1	1	2	n	4
53	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	3	3	4	2	n	1	4	3	2	5	4	4	1	1	2	2	4	4	3	5	6	4	4	4
55	n	/	/	8	14	9	9	9	6	8	6	10	8	12	14	10	11	8	11	6	10	10	13	9	3
56	4	3	3	4	6	4	4	2	3	3	6	5	/	6	6	/	6	6	8	7	3	3	6	10	3

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

Land Segment	Hypothetical Spill Location						
	E	E	E	E	E	E	E
	126	127	128	129	130		
37	n	1	n	n	n		
38	1	n	n	1	n		
39	1	1	n	1	n		
40	3	1	1	2	3		
49	2	1	n	n	1		
50	1	n	n	1	n		
51	n	n	n	n	1		
52	3	2	3	2	1		
54	6	1	4	/	8		
55	/	10	6	/	9		
56	4	5	3	3	6		

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

Table C-15. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 3 days.

Land Segment	Hypothetical Spill Location																						
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23
15	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	26	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	4	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	n	n	n
28	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	2	n	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
30	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	9	n	n	n	n	n	n	n
31	n	n	n	n	1	n	n	n	n	n	n	n	n	n	14	2	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	n	n	n	n	n	n
34	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	18	n
35	n	n	n	n	n	7	1	n	n	n	n	n	n	n	n	n	n	14	n	n	n	n	n
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n
37	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
41	n	n	n	5	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	n	n	n
42	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
43	n	n	n	n	4	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	13	n	n	n	n	n	n	n	n	n	n
45	n	n	n	16	n	n	n	n	n	n	n	n	19	n	n	4	n	n	n	n	n	n	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
47	n	n	n	n	7	n	n	n	n	n	n	n	21	n	n	3	21	n	n	n	n	n	n
48	n	n	n	n	n	n	n	n	n	n	n	3	21	1	n	n	n	n	1	n	n	n	n
49	n	n	n	n	n	n	n	n	1	n	n	5	7	1	n	n	n	n	1	n	n	n	n
50	n	n	n	n	n	n	n	n	n	n	n	5	1	n	n	n	n	n	n	n	n	n	n
51	n	n	n	n	n	n	n	n	n	n	3	n	1	n	n	n	n	n	3	n	n	n	n
52	n	n	n	n	6	7	2	n	n	18	n	n	n	n	n	n	n	2	7	n	n	3	n
53	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n
56	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table C-16. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 10 days.

Land Segment	Hypothetical Spill Location																						
	I/	I8	I9	I10	I11	I12	I13	I14	I15	I16	I17	I18	I19	I20	I21	I22	I23						
14	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
15	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
16	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
17	37	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
18	24	29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
19	1	13	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
20	n	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
21	n	3	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
22	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
23	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
24	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						
26	n	n	1	n	n	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	n	n	n	n	n						
28	n	n	n	3	n	n	n	1	1	n	n	n	n	n	n	n	n						
29	n	n	n	1	n	n	n	2	n	1	6	n	n	n	n	n	n						
30	n	n	n	4	1	n	n	2	n	20	6	n	n	n	n	n	n						
31	n	n	n	1	3	n	n	n	n	21	6	n	n	n	n	n	n						
32	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n						
33	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n						
34	n	n	n	n	3	2	n	n	n	n	n	1	1	n	n	n	21						
35	n	n	n	n	n	7	1	n	n	n	n	n	16	n	n	n	1						
36	n	n	n	n	1	4	1	n	n	n	n	9	n	n	n	n	1						
37	n	n	n	n	1	7	3	n	n	n	n	13	n	n	n	n	2						
38	n	n	n	n	2	11	4	n	n	n	n	15	1	n	n	n	3						
39	n	n	n	n	1	5	5	n	n	n	n	n	n	n	n	n	n						
40	n	n	n	n	n	1	6	n	n	n	n	n	n	n	n	n	n						
41	n	n	n	n	1	7	n	n	n	n	n	3	n	n	n	n	1						
42	n	n	n	n	1	n	n	n	n	1	9	n	n	n	n	n	n						
43	n	n	n	n	9	n	n	n	n	2	n	n	n	n	n	n	n						
44	n	n	n	n	n	2	n	n	1	n	n	1	n	2	n	n	1						
45	n	n	n	n	25	1	n	n	n	n	18	5	n	n	n	n	n						
46	n	n	n	n	n	1	1	n	n	n	n	1	n	1	n	n	1						
47	n	n	n	n	9	12	1	n	n	9	29	n	n	1	n	n	4						
48	n	n	n	n	n	n	n	2	1	n	n	1	n	3	1	n	n						
49	n	n	n	n	n	n	n	n	n	n	n	1	n	5	1	n	n						
50	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n						
51	n	n	n	n	n	n	n	1	n	2	n	1	2	6	n	n	n						
52	n	n	n	n	n	n	n	n	n	n	1	12	14	n	n	11	n						
53	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n						
54	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n						
55	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n						
56	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n						

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

Table C-17. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 30 days.

Land Segment	Hypothetical Spill Location																						
	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14	T15	T16	T17	T18	T19	T20	T21	T22	T23
11	4	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	6	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	8	10	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	38	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	27	32	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	1	16	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
20	n	5	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	n	3	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
22	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	2	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	4	n	n
26	n	n	2	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	26	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20	n	n
28	n	n	1	3	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n	n	4	n	n
29	n	n	n	1	n	n	n	n	n	n	n	n	n	2	n	1	n	n	n	n	n	n	n
30	n	n	n	5	2	n	n	n	n	n	n	n	n	3	n	21	n	n	n	n	n	2	n
31	n	n	n	1	4	1	n	n	n	1	n	n	n	n	n	23	8	n	1	n	n	2	n
32	n	n	n	n	2	n	n	n	n	1	n	n	n	n	n	n	1	n	1	n	n	3	n
33	n	n	n	n	3	n	n	n	n	1	n	n	n	n	n	n	1	1	1	n	10	n	n
34	n	n	n	1	3	2	n	n	n	n	n	n	n	n	n	1	3	1	1	1	n	21	n
35	n	n	n	n	1	7	1	n	n	n	n	n	n	n	n	n	n	16	n	n	n	1	n
36	n	n	n	n	1	4	2	n	n	n	n	n	n	n	n	n	n	10	n	n	n	1	n
37	n	n	n	n	1	7	3	n	1	1	n	n	1	n	n	n	1	14	1	n	n	2	n
38	n	n	n	n	5	12	5	1	2	4	1	1	1	n	n	n	1	16	2	n	n	5	n
39	n	n	n	n	3	8	6	2	2	2	1	2	1	n	1	n	1	5	2	n	n	3	n
40	n	n	n	n	2	4	8	4	2	3	2	2	2	n	9	1	2	2	2	n	n	2	n
41	n	n	3	8	n	n	n	n	n	n	n	n	n	2	9	1	n	n	n	n	4	n	1
42	n	n	n	1	n	n	n	n	n	n	n	n	n	1	3	n	4	1	n	n	1	n	n
43	n	n	n	10	n	n	n	n	n	n	n	n	n	15	n	n	n	n	n	n	n	n	n
44	n	n	n	n	3	1	n	n	1	2	n	n	n	14	n	n	2	1	3	n	n	2	n
45	n	n	n	27	3	n	n	n	n	n	n	n	n	29	n	23	8	n	n	n	1	n	n
46	n	n	n	2	1	n	n	n	n	n	n	n	n	2	n	n	1	n	1	n	n	2	n
47	n	n	n	10	13	2	n	n	n	1	n	n	n	2	n	11	32	1	1	2	n	5	n
48	n	n	n	1	2	2	n	1	3	3	2	5	29	4	4	n	1	1	6	2	n	2	n
49	n	n	n	1	2	1	n	2	5	5	3	9	14	3	3	n	2	1	8	1	1	2	n
50	n	n	n	n	n	n	n	n	1	2	n	6	2	1	n	n	n	n	1	n	n	n	n
51	n	n	n	n	n	4	2	n	1	3	9	1	4	2	1	n	3	1	9	1	n	3	n
52	n	n	n	n	n	16	18	13	1	2	24	1	1	2	1	n	6	14	18	n	n	13	n
53	n	n	n	n	2	1	1	1	2	10	1	1	1	1	1	n	2	n	4	n	n	1	n
54	n	n	n	n	1	n	1	4	8	6	4	3	3	1	1	n	1	n	3	n	n	1	n
55	n	n	1	1	1	n	1	10	19	4	9	8	5	1	3	n	1	n	3	1	1	1	n
56	n	n	n	n	4	7	16	8	5	4	5	4	2	n	1	n	1	4	3	n	n	3	n

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

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

Table C-18. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 3 days.

Land Segment	Hypothetical Spill Location																								
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25
24	2	2	2	n	1	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	n	2	13	n	n	6	n	1	5	6	n	n	2	2	2	n	2	2	n	n	n	1	1	n	n
26	2	11	19	1	9	11	6	8	13	19	2	4	5	6	10	n	2	8	23	n	n	4	12	n	1
27	n	n	n	n	n	2	n	n	n	2	n	n	n	1	2	n	n	4	16	n	1	2	10	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	

Land Segment	Hypothetical Spill Location																									
	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37	S38	S39	S40	S41	S42	S43	S44	S45	S46	S47	S48	S49	S50	
26	1	9	n	n	n	1	1	6	n	n	n	n	1	n	4	n	n	n	n	n	3	2	n	n	n	n
27	n	10	n	n	n	n	n	2	n	n	n	n	n	n	10	n	n	n	n	n	1	4	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	3	2	n	n	n	n

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

Table C-18. (Continued) -- Probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 3 days.

Land Segment	Hypothetical Spill Location																								
	S51	S52	S53	S54	S55	S56	S57	S58	S59	S60	S61	S62	S63	S64	S65	S66	S67	S68	S69	S70	S71	S72	S73	S74	S75
26	n	n	n	3	n	n	n	n	1	n	2	n	n	n	n	n	n	1	n	n	n	n	n	n	n
27	n	n	n	1	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	1
28	n	n	2	1	n	n	n	1	1	4	/	n	n	n	n	1	1	3	n	n	n	1	3	4	14

Land Segment	Hypothetical Spill Location																								
	S76	S77	S78	S79	S80	S81	S82	S83	S84	S85	S86	S87	S88	S89	S90	S91	S92	S93	S94	S95	S96	S97	S98	S99	S100
27	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
28	n	n	n	1	2	10	24	n	n	n	n	n	/	15	n	n	1	n	1	2	9	n	n	n	n

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

Table C-19. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 10 days.

Land Segment	Hypothetical Spill Location																								
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25
24	6	6	4	3	2	6	3	2	2	2	1	3	3	2	1	3	2	1	2	n	n	2	n	2	n
25	3	4	14	2	3	9	n	4	7	11	1	n	6	9	9	5	7	8	2	4	5	8	6	3	5
26	10	13	22	8	12	13	7	10	15	23	2	4	7	10	12	n	3	11	26	n	1	6	16	n	1
27	1	3	5	2	1	5	2	2	2	7	4	1	3	5	8	6	6	12	24	3	6	9	15	n	1
28	1	1	2	n	1	2	1	2	2	2	n	1	2	2	2	1	3	2	4	4	3	2	7	n	1
41	2	1	1	1	1	1	2	n	4	2	n	1	1	1	2	3	3	4	4	2	5	7	6	6	8
42	n	n	n	n	n	n	n	n	1	1	n	1	n	1	n	n	1	n	1	n	n	2	1	2	n

Land Segment	Hypothetical Spill Location																										
	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37	S38	S39	S40	S41	S42	S43	S44	S45	S46	S47	S48	S49	S50		
24	1	1	n	1	1	1	n	1	1	1	1	1	n	n	1	1	1	n	n	1	n	n	n	1	n		
25	3	1	n	n	2	2	5	4	n	1	3	3	3	3	2	n	1	1	2	2	n	2	n	1	1		
26	4	11	n	n	n	1	3	9	n	n	n	1	4	7	7	n	n	n	n	2	9	8	n	n	n		
27	5	16	n	n	n	1	1	6	n	n	n	1	1	3	16	n	n	n	n	2	5	10	n	n	n		
28	2	6	n	n	1	3	1	6	n	n	n	2	1	6	9	n	n	1	1	n	6	8	n	n	n		
41	6	4	4	4	7	7	8	9	5	9	9	10	7	7	6	6	5	8	13	9	10	6	6	6	8		
42	3	n	n	1	n	n	n	2	n	n	n	1	1	1	n	n	n	n	1	n	n	2	n	n	1		
43	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		

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

Table C-19. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 10 days.

Land Segment	Hypothetical Spill Location																								
	S51	S52	S53	S54	S55	S56	S57	S58	S59	S60	S61	S62	S63	S64	S65	S66	S67	S68	S69	S70	S71	S72	S73	S74	S75
24	2	n	n	n	1	1	1	n	1	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n
25	3	3	2	n	1	n	2	3	2	2	n	n	n	1	1	1	n	n	n	1	n	n	1	n	n
26	2	2	3	11	n	1	1	2	9	7	12	n	n	1	2	1	7	9	n	n	1	2	7	9	9
27	n	1	2	6	n	n	n	n	1	3	9	n	n	n	n	n	2	2	n	n	n	n	n	1	2
28	1	1	4	4	n	n	1	1	2	8	9	1	n	n	1	2	3	6	1	1	1	4	8	6	16
41	6	10	6	7	3	6	8	10	9	11	5	3	6	8	10	4	13	10	9	11	9	9	11	9	7
42	1	1	n	1	n	n	n	1	1	n	n	n	n	n	n	n	1	1	n	1	n	1	2	n	1
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	S/6	S/7	S/8	S/9	S/80	S/81	S/82	S/83	S/84	S/85	S/86	S/87	S/88	S/89	S/90	S/91	S/92	S/93	S/94	S/95	S/96	S/97	S/98	S/99	S/100
25	n	n	n	3	n	n	1	n	n	1	1	1	n	n	n	n	1	1	1	n	n	n	n	1	n
26	n	1	1	4	7	5	7	n	n	2	2	3	4	4	1	n	1	1	3	5	4	n	n	1	2
27	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	1	2	n	n	n	n
28	1	n	1	2	6	13	27	n	1	1	3	3	8	16	n	n	3	1	2	3	10	n	1	n	1
41	6	10	8	13	11	12	5	6	8	9	12	9	9	6	4	8	9	9	11	13	13	9	8	9	13
42	n	n	1	2	2	n	2	n	2	1	1	n	1	2	1	1	1	1	n	n	n	n	1	1	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n
48	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n

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

Table C-20. -- Probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment within 30 days.

Land Segment	Hypothetical Spill Location																								
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25
15	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	1	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	n	n	n
21	1	2	n	n	1	n	2	1	n	1	n	1	n	n	n	n	1	n	n	2	n	1	n	n	n
22	1	2	1	1	n	1	2	2	1	n	1	n	2	1	2	n	2	1	1	1	1	n	1	1	n
23	1	1	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	6	6	4	3	2	6	3	3	2	3	2	3	4	3	2	4	2	2	2	n	n	n	2	2	2
25	3	4	15	2	3	9	n	4	/	12	1	n	6	9	9	6	/	8	2	4	6	9	6	4	/
26	11	14	24	9	13	15	9	11	1/	24	4	6	8	10	14	1	5	12	26	1	1	6	17	1	2
27	4	/	6	5	3	8	3	5	3	8	8	5	6	6	10	9	/	13	25	6	7	14	16	2	2
28	2	2	3	1	2	2	2	2	2	2	1	1	4	3	2	2	3	2	4	6	4	3	7	3	3
41	4	2	3	3	2	3	2	2	5	3	2	3	6	2	3	4	4	4	5	3	6	9	6	9	9
42	2	1	1	n	1	2	n	n	3	2	2	1	1	2	2	2	3	1	1	1	1	3	1	3	n
48	1	1	n	n	1	n	n	n	n	1	3	1	1	n	n	1	3	1	n	1	1	n	1	n	n
49	n	n	n	n	n	n	n	n	1	1	n	1	n	1	n	n	n	1	n	1	n	1	1	n	1
50	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n
54	n	n	1	1	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	1	n	n	n	n
55	n	n	n	1	n	n	n	1	n	n	n	1	n	n	1	1	n	n	n	n	1	n	n	1	n
56	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1

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

Table C-20. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 30 days.

Land Segment	Hypothetical Spill Location																											
	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37	S38	S39	S40	S41	S42	S43	S44	S45	S46	S47	S48	S49	S50			
21	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n			
22	n	n	2	1	2	n	n	n	1	1	2	1	1	n	n	n	1	1	1	n	1	n	n	1	n			
23	n	n	n	n	n	1	n	n	1	n	n	n	n	n	n	1	1	n	n	n	1	n	n	n	n			
24	2	2	1	3	3	5	2	1	4	3	3	2	1	2	1	2	3	2	1	3	2	2	2	4	3			
25	3	3	1	n	2	2	6	6	n	2	5	4	4	6	5	1	1	2	4	3	2	5	n	2	3			
26	5	13	1	n	n	3	4	11	n	1	n	1	6	7	8	n	1	1	1	2	11	10	n	n	n			
27	6	16	1	1	3	4	3	6	1	1	1	3	1	4	17	n	n	1	1	3	6	11	1	n	1			
28	3	6	1	2	2	6	2	6	1	1	n	4	3	6	9	n	1	2	1	1	6	8	n	1	1			
38	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n			
39	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	n	n	n			
41	8	6	7	6	8	8	10	13	7	10	9	11	9	9	8	6	6	8	13	9	10	8	7	7	9			
42	4	n	1	1	1	n	n	2	n	n	2	1	2	2	1	n	n	n	1	n	n	2	n	1	1			
43	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			
48	n	n	2	1	2	n	n	2	1	n	1	2	2	n	1	n	n	3	1	n	n	n	1	2	n			
49	n	1	n	n	1	n	n	1	1	1	n	n	n	n	2	n	1	2	1	n	n	1	1	n	n			
50	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1			
51	1	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n			
52	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n			
53	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
54	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
55	3	1	2	1	n	1	1	n	1	1	n	2	1	2	1	1	2	1	1	1	1	2	1	1	n			
56	n	n	n	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n			

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

Table C-20. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 30 days.

Land Segment	Hypothetical Spill Location																																		
	S51	S52	S53	S54	S55	S56	S57	S58	S59	S60	S61	S62	S63	S64	S65	S66	S67	S68	S69	S70	S71	S72	S73	S74	S75										
21	1	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	
22	n	n	n	n	1	n	n	n	n	n	n	1	1	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
23	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
24	3	1	1	1	1	4	2	3	3	4	1	2	1	1	1	1	3	n	2	2	2	2	1	1	1	2	1	1	1	1	1	1	2	1	1
25	4	3	4	3	6	n	2	5	6	4	1	n	1	3	3	5	4	3	3	2	3	2	3	2	6	5	1	1	5	1	1	5	1	1	1
26	3	4	5	13	1	3	2	3	13	9	13	1	1	2	3	4	11	10	2	2	2	2	5	11	11	13	13	13	13	13	13	13	13	13	13
27	2	2	2	6	1	n	n	1	2	3	10	n	n	n	n	1	3	2	n	n	n	n	n	1	1	1	2	1	1	2	1	1	2	1	2
28	1	1	5	6	n	n	2	2	3	9	10	1	1	1	1	3	3	6	2	1	1	4	8	6	6	16	16	16	16	16	16	16	16	16	16
38	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	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	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
41	7	10	7	7	4	6	8	10	10	13	7	3	6	8	10	6	14	13	9	11	10	9	11	10	7	7	7	7	7	7	7	7	7	7	
42	2	1	1	1	1	n	3	1	1	1	1	n	n	n	1	n	1	1	n	2	n	1	2	n	2	2	2	2	2	2	2	2	2	2	
43	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	
48	n	1	2	2	1	n	2	1	1	n	2	n	n	1	1	2	2	n	n	1	2	n	1	n	1	1	1	1	1	1	1	1	1	1	
49	1	n	2	1	n	n	1	1	1	2	n	n	n	n	n	n	1	1	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	
50	n	n	1	n	n	1	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	
52	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
54	n	1	n	1	1	n	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	
55	1	1	1	1	n	2	2	1	1	1	3	2	2	2	1	n	3	2	n	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
56	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	1	1	n	n	1	n	1	n	1	n	n	n	n	n	n	1	n	

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

Table C-20. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 30 days.

Land Segment	S/6 S/7 S/8 S/9 S/80 S/81 S/82 S/83 S/84 S/85										Hypothetical Spill Location										S/86 S/87 S/88 S/89 S/90 S/91 S/92 S/93 S/94 S/95 S/96 S/97 S/98 S/99 S/100									
	S/6	S/7	S/8	S/9	S/80	S/81	S/82	S/83	S/84	S/85	S/86	S/87	S/88	S/89	S/90	S/91	S/92	S/93	S/94	S/95	S/96	S/97	S/98	S/99	S/100					
21	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n					
22	1	1	n	n	n	n	n	1	1	n	1	n	n	n	1	n	n	n	n	n	n	n	1	1	n					
23	n	n	n	n	n	n	n	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n					
24	2	2	1	2	n	n	n	3	3	1	2	1	n	n	2	4	1	2	2	n	n	1	3	3	1					
25	2	6	2	6	4	2	2	2	2	5	3	5	4	1	1	1	1	4	3	1	3	1	1	3	2					
26	1	2	3	8	11	9	9	n	1	2	5	6	7	6	2	1	2	2	6	8	6	1	2	2	4					
27	n	n	n	n	n	1	n	n	n	n	n	n	2	1	n	n	n	n	n	2	2	n	n	n	n					
28	1	1	1	2	6	13	27	1	2	1	3	3	8	16	n	n	3	1	2	3	10	1	1	1	1					
38	n	n	n	n	n	1	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	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1					
40	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	1	n	n	n	n	n	1					
41	7	10	9	13	13	14	5	6	8	10	13	10	10	6	4	9	9	10	13	14	14	9	8	11	14					
42	n	1	1	2	2	1	2	n	2	1	1	1	1	3	1	1	2	2	n	n	1	n	2	1	n					
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n					
48	n	n	3	1	1	1	1	n	1	3	n	2	1	1	1	1	1	1	2	2	1	2	1	2	n					
49	n	n	1	3	n	n	n	n	1	n	n	2	1	n	n	1	n	3	n	1	1	1	1	n	1					
50	1	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	1	n	n	n	n	1	1	n					
51	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					
52	n	1	n	n	n	n	n	n	n	n	1	2	n	n	1	n	n	n	n	n	n	n	n	n	n					
54	n	1	n	n	n	n	n	n	n	n	1	2	n	n	n	n	1	n	n	n	n	n	n	n	n					
55	1	1	2	2	2	1	2	4	2	4	2	1	2	n	4	3	3	1	2	1	1	1	2	4	1					
56	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n	1	n					

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

Table C-21. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 3 days.

Land Segment	Hypothetical Spill Location														
	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115
27	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
28	2	6	n	n	n	n	n	n	n	6	n	1	2	17	44
41	n	n	n	n	n	n	n	n	n	1	n	n	1	4	3

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

Table C-22. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 10 days.

Land Segment	Hypothetical Spill Location														
	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115
25	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
26	4	5	n	n	1	1	n	1	2	1	1	n	1	1	n
27	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
28	2	9	n	n	1	2	n	n	1	8	n	1	4	19	45
41	11	14	10	7	10	12	8	10	10	11	7	10	13	17	12
42	1	1	2	2	1	n	3	2	n	2	1	2	1	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3
48	n	n	n	n	n	n	n	n	1	n	1	1	n	n	n
49	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n
50	n	n	n	n	n	1	n	n	n	n	n	1	n	n	n

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

Table C-23. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment within 30 days.

Land Segment	Hypothetical Spill Location														
	S 101	S 102	S 103	S 104	S 105	S 106	S 107	S 108	S 109	S 110	S 111	S 112	S 113	S 114	S 115
21	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
22	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n
24	n	1	1	2	2	n	1	3	1	1	2	n	1	n	n
25	1	2	3	3	3	1	3	4	3	1	1	1	1	n	n
26	7	7	1	2	3	4	3	3	5	2	1	3	2	2	1
27	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
28	2	9	n	1	1	2	n	n	1	9	n	1	4	19	45
37	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
38	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	n	n	n	n	n	n	1	1	n	n	n	n	1	n	n
41	12	15	10	8	11	12	9	10	10	11	7	10	13	18	13
42	3	1	2	2	1	1	3	2	n	2	1	3	1	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3
48	1	n	1	n	1	n	1	n	4	n	2	3	1	1	1
49	2	1	n	1	2	2	n	2	n	1	1	1	n	1	n
50	n	n	n	1	n	1	1	1	n	n	1	2	1	n	n
51	n	n	n	n	n	n	n	n	n	n	1	n	1	n	1
52	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
54	n	n	n	1	n	2	n	n	n	n	1	n	n	n	n
55	1	2	2	3	2	2	4	2	1	n	2	2	4	n	1
56	n	n	1	n	n	2	n	1	2	n	n	n	1	1	n

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

Appendix D

Table D-1. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																									
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	
24	2	1	1	3	n	3	2	1	n	n	1	n	n	2	n	n	n	n	n	n	n	2	n	n	n	n
25	2	2	2	3	2	2	1	n	n	n	n	1	n	n	1	2	1	n	n	n	n	n	n	n	n	n
26	1	n	n	1	1	n	1	1	3	1	n	n	n	n	n	n	1	n	n	n	n	n	1	n	2	
28	n	n	n	n	n	n	n	n	13	7	n	n	4	n	n	n	n	3	4	n	n	n	4	4	6	
29	n	n	n	n	n	n	n	n	n	5	n	n	4	n	n	n	n	4	5	n	n	n	n	n	n	
30	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	
41	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	1	4	2	n	n	n	5	2	n	
43	n	n	n	n	n	n	n	n	n	2	n	n	6	n	n	n	n	3	7	n	n	n	3	3	3	
45	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	1	2	n	n	n	2	1	n	
48	n	n	1	n	n	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	
49	n	n	n	n	n	2	n	n	1	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	
55	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	

Land Segment	Hypothetical Spill Location																								
	p26	p27	p28	p29	p30	p31	p32	p33	p34	p35	p36	p37	p38	p39	p40	p41	p42	p43	p44	p45	p46	p47	p48	p49	p50
24	n	n	n	n	n	1	n	2	n	n	n	1	n	n	1	n	n	n	2	n	n	n	1	n	n
25	n	n	n	n	n	n	n	n	n	n	1	1	n	n	2	1	n	n	n	n	n	n	n	2	1
26	n	n	n	n	n	n	n	n	n	n	2	n	n	n	1	n	n	n	n	n	2	n	n	n	n
28	6	3	4	3	3	n	n	n	n	n	4	4	3	3	n	n	n	n	n	2	2	2	n	n	n
29	n	1	4	6	3	n	n	n	n	n	2	n	2	1	n	n	n	n	n	n	n	n	n	n	n
30	n	n	n	2	1	n	n	n	n	1	n	1	n	/	n	n	n	n	n	1	1	3	n	n	n
41	n	4	2	1	2	n	n	n	5	4	2	n	2	2	n	n	n	5	9	4	2	5	n	n	n
42	n	n	n	n	2	n	n	n	1	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n
43	4	3	3	/	9	n	n	n	n	3	5	3	4	5	n	n	n	n	1	5	/	2	n	n	n
45	n	1	2	2	2	n	n	n	n	1	1	n	3	1	n	n	n	n	n	2	2	6	n	n	n
48	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n

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

Table D-1. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																										
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P70	P71	P72	P73	P74	P75	P78		
22	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	
24	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
25	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
28	n	3	1	n	n	n	n	n	n	5	3	4	n	3	1	n	n	1	n	n	n	n	n	2	n	1	
29	n	n	1	n	n	n	n	n	n	6	3	3	2	3	2	n	n	n	1	1	2	n	n	n	n	n	
30	n	7	5	n	n	n	n	n	n	3	2	5	9	9	11	13	15	8	11	11	15	n	6	6	11		
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	18	11	13	n	n		
41	6	2	n	n	n	n	n	n	n	n	n	2	n	2	1	n	n	n	2	1	n	n	1	n	n	n	
42	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		
43	n	7	6	n	n	n	n	n	n	6	8	6	4	5	5	5	6	3	6	6	3	n	3	3	5		
44	n	n	n	n	n	n	3	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
45	n	6	7	n	n	n	n	n	n	1	3	1	3	2	2	3	4	4	4	4	5	n	4	2	6		
47	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	3	n		
48	n	n	n	1	2	n	3	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
49	n	n	n	n	n	3	2	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
50	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
51	n	n	n	n	n	2	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
54	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		

Land Segment	Hypothetical Spill Location																						
	P/9	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100	
28	1	n	1	n	n	n	n	n	n	n	1	n	1	1	2	n	2	n	n	n	1	n	n
29	1	n	2	1	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	11	13	12	13	13	11	7	4	5	5	5	7	6	8	7	11	7	8	7	5	3	2	n
31	n	n	n	n	n	4	8	14	n	n	n	n	n	n	n	n	n	3	5	3	n	n	n
41	n	1	n	n	n	n	n	n	2	1	1	1	n	n	n	n	1	1	2	n	n	n	n
43	5	7	6	6	3	3	3	3	9	5	5	5	5	5	3	3	4	4	3	3	2	3	3
45	5	6	7	4	6	7	4	4	5	7	7	6	7	9	11	8	6	5	4	3	3	3	3
47	1	n	1	n	2	1	3	1	n	n	2	4	3	4	4	3	4	4	5	5	14	14	n
48	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	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.

Table D-2. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
28	n	n	n	n	n	n	n	n	8	1	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	n	n	2	n	n	3	n	n	n	n	n	3	n	n	n	n	n	n
41	n	n	n	2	n	n	1	n	5	5	n	n	3	n	2	5	9	3	3	n	n	1	13	8	3
42	n	n	n	2	n	n	n	n	1	1	n	n	n	n	n	2	1	n	n	n	n	n	n	1	n
43	n	n	n	n	n	n	n	n	n	13	n	n	11	n	n	n	n	11	7	n	n	n	7	15	16
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
45	n	n	n	n	n	n	n	n	n	1	n	n	8	n	n	n	n	6	9	n	n	n	n	n	1
48	n	n	1	1	n	3	n	3	n	2	2	n	4	4	4	4	1	1	n	n	1	4	n	n	n
49	2	n	n	n	n	n	1	2	n	n	2	2	n	2	1	1	1	n	n	n	2	2	n	n	n
50	n	n	n	n	n	1	n	n	1	n	n	n	n	n	2	n	n	n	n	n	n	1	n	n	n
51	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
52	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
53	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
55	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	1	1	n	n
56	n	n	n	n	n	n	1	n	n	n	1	n	n	1	n	1	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
28	n	n	n	1	1	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	1	1	n	n
29	n	2	2	2	2	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	1	1	n	n
30	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	6	3	2	2	4	n	1	2	14	23	6	2	2	3	n	n	3	14	15	14	5	3	n	n	3
42	1	n	n	n	n	n	n	n	1	n	n	n	n	7	n	n	5	1	n	n	n	n	n	n	4
43	14	17	8	6	6	n	n	n	1	2	19	17	13	n	n	n	n	n	5	9	17	7	n	n	n
44	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	2	2	n
45	6	7	7	5	8	n	n	n	n	n	2	2	7	8	n	n	n	n	n	n	n	3	14	n	n
48	n	n	n	n	n	3	3	4	1	1	n	1	n	n	4	3	1	n	n	n	n	n	2	4	2
49	n	n	n	1	n	2	1	2	1	n	n	n	n	n	2	2	1	n	n	n	n	n	3	4	2
50	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
51	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1
52	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1
54	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	2
56	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	1

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

Table D-2. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																											
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P70	P71	P72	P73	P74	P75	P78			
28	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	n	2	1	n	n	n	n	n	n	5	4	4	2	2	1	2	n	n	2	n	n	n	n	n	n	n	n	n
30	n	1	3	n	n	n	n	n	n	2	1	8	5	8	8	10	9	2	6	11	10	n	n	2	11	n	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	12	n	n	n	30	15	15	n	n	n	n
40	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	15	n	2	n	2	n	n	n	n	3	1	2	1	2	2	n	n	n	n	n	n	1	n	n	n	n	n	n
42	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	n	3	2	n	n	n	n	n	n	7	7	4	6	2	1	1	n	n	2	n	2	n	n	n	n	n	n	n
44	n	n	n	2	n	1	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
45	n	18	20	n	n	n	n	n	n	10	9	6	10	11	11	14	14	6	16	15	9	n	2	2	18	n	n	n
47	n	n	1	n	n	n	1	1	n	n	n	1	n	2	n	n	n	3	1	1	3	n	5	7	n	n	n	n
48	n	n	n	2	3	4	4	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	1	n	n	1	2	1	2	3	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
50	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	n	n	n	1	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
52	n	n	n	n	n	1	1	1	1	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	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	1	1	5	1	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	n	n	2	4	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
56	n	n	n	n	1	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																											
	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100						
29	3	n	n	n	n	n	n	n	3	n	2	n	n	1	n	1	2	n	n	n	n	n	n	n	n	n	n	n
30	5	6	7	1	3	n	n	n	1	3	3	5	6	3	6	6	3	n	2	2	1	2	n	n	n	n	n	n
31	n	n	2	5	7	11	14	14	n	n	n	n	n	n	n	n	3	6	5	7	2	2	n	n	n	n	n	n
41	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
43	1	2	n	n	n	1	n	n	3	3	2	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
45	11	18	14	13	8	3	4	3	17	21	23	15	16	14	17	13	15	6	3	4	8	5	n	n	n	n	n	n
47	1	3	3	4	8	8	7	4	2	2	2	2	n	2	3	3	4	9	12	7	15	15	n	n	n	n	n	n
52	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
53	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	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	1	n	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																											
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P70	P71	P72	P73	P74	P75	P78			
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n
30	n	1	n	n	n	n	n	n	n	1	5	4	10	3	3	3	1	2	3	3	2	n	2	n	n	2	n	n
31	n	n	1	n	n	n	n	n	1	3	1	4	1	6	4	8	9	4	5	6	23	8	13	2	n	n	n	n
34	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	2	n	n	n	2	1	n	3	1	1	n	n	n
38	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	n	n	n	n	n	2	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
40	n	n	n	1	1	n	n	2	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
41	18	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	n	n
42	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	n	2	n	n	n	n	n	n	n	6	4	6	3	n	1	3	n	1	n	2	n	n	n	n	n	2	n	n
45	n	18	18	n	n	n	n	n	n	/	8	11	8	9	6	6	2	n	5	2	2	n	n	n	n	5	n	n
47	n	2	3	n	n	n	n	n	2	3	3	3	3	3	5	7	5	11	5	5	6	n	11	3	8	n	n	n
48	1	n	n	1	1	3	3	5	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	1	1	3	5	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	n	n	n	2	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
53	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	n	n	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	1	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
56	n	n	n	n	n	2	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																					
	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100
29	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
30	6	1	3	2	1	n	n	1	n	2	2	2	2	2	2	1	2	n	n	n	n	n
31	2	5	4	/	/	/	9	13	1	n	1	n	n	n	1	2	1	6	5	6	5	5
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	1
33	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	1	n	1	1
34	n	2	1	n	1	n	n	3	n	n	2	n	n	n	n	n	1	n	3	3	n	n
35	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	1
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
43	1	n	1	2	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
45	2	1	1	1	n	n	n	n	14	18	15	15	11	11	2	2	n	n	n	n	n	n
47	11	/	8	9	7	7	6	4	2	3	5	6	9	11	15	17	18	4	3	3	5	5
49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
51	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	2	1	3	2
52	n	n	1	1	n	n	2	1	n	n	n	n	1	n	n	n	n	n	2	3	3	n
53	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	n	1	2	1
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1
56	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n

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

Table D-3. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the summer.

Land Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
28	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	1	n	n	n	n	n	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	2	1	n	n	n	n	n	n
38	n	n	n	n	1	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	1	n	n	n	n
39	2	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40	n	1	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
41	3	1	2	3	n	n	2	2	13	3	n	n	n	n	7	20	n	n	n	n	n	n	n	3	n
42	n	n	2	1	n	n	2	1	n	n	n	n	n	n	2	2	n	n	4	2	n	n	n	21	19
43	n	n	n	n	n	n	n	n	n	17	n	n	3	n	n	n	1	14	11	n	n	n	3	7	9
45	n	n	n	n	n	n	n	n	n	4	n	n	9	n	n	n	n	n	n	n	n	n	n	n	2
46	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	4	2	n	n	n	n	n	n
47	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n
48	n	n	n	n	1	n	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
50	1	n	n	n	2	2	n	1	n	n	1	n	n	n	2	n	n	n	n	2	n	n	n	n	n
51	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
55	n	2	1	n	n	n	n	1	n	n	2	n	n	n	n	n	n	n	n	n	n	1	n	n	n
56	n	n	2	1	1	1	n	n	n	n	1	3	n	2	n	n	n	n	n	n	n	2	n	n	n

Land Segment	Hypothetical Spill Location																								
	p26	p27	p28	p29	p30	p31	p32	p33	p34	p35	p36	p37	p38	p39	p40	p41	p42	p43	p44	p45	p46	p47	p48	p49	p50
29	n	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
30	n	n	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
31	n	2	2	2	3	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
41	n	n	n	n	n	n	n	n	22	14	n	n	n	n	n	n	1	25	22	7	n	n	n	n	n
42	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	2	3	n	n	n	n	n	n	n
43	6	3	3	4	4	n	n	n	1	6	14	11	2	3	n	n	n	1	4	18	23	n	n	n	n
45	14	16	17	15	10	n	n	n	n	1	9	15	17	15	n	n	n	n	n	1	2	17	n	n	n
46	1	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
47	2	2	4	2	3	n	n	n	n	n	n	n	3	4	n	n	n	n	n	n	n	3	n	n	n
48	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	2	1	n	n	n	n	n	n	2	2
49	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	1	n
50	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	1	2	n	n	n	n	n	n	1	n
51	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1
54	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
56	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	1	n	1

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

Table D-4. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
28	n	n	n	n	n	n	n	n	3	2	n	n	n	n	n	n	n	2	1	n	n	n	n	n	1
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n
41	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	1	7	n	n	n	n	n	4	1	n
42	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	n	n	n	n	n	n	n	n
43	n	n	n	n	n	n	n	n	n	3	n	n	2	n	n	n	n	n	2	n	n	n	6	4	n
45	n	n	n	n	n	n	n	n	n	5	n	n	10	n	n	n	n	10	14	n	n	n	n	2	10
48	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n
49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
52	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
54	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
55	1	3	1	1	1	2	n	n	n	n	2	2	n	1	2	2	2	n	n	n	1	n	2	1	1

Land Segment	Hypothetical Spill Location																								
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
28	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
30	n	n	n	1	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
41	1	n	n	n	n	n	n	1	10	9	n	2	n	n	n	n	1	5	9	2	1	n	n	n	n
42	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	1	3	n	n	n	n	n	n	1	n
43	3	1	2	n	1	n	n	n	3	3	2	1	n	n	n	n	n	n	n	8	6	n	n	n	n
45	13	15	11	15	15	n	n	n	n	n	5	7	14	14	n	n	n	n	n	n	3	13	n	n	n
47	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
48	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	2	n
49	n	n	n	n	n	n	2	1	n	n	n	n	n	n	n	2	1	n	n	n	n	n	2	n	1
55	n	n	n	n	n	1	2	4	2	3	2	n	n	n	2	3	2	2	n	1	1	n	3	1	2

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

Table D-4. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																											
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P70	P71	P72	P73	P74	P75	P78			
28	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
30	n	n	n	n	n	n	n	n	n	1	4	n	3	1	3	2	4	1	n	n	2	n	4	6	n	n	n	n
31	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	2	4	10	1	n	1	30	4	10	n	n	n	n
41	8	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
42	2	n	n	n	3	3	4	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
43	n	n	n	n	1	n	n	2	1	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
44	n	n	n	n	n	5	6	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
45	n	15	n	n	n	n	n	n	n	9	9	17	8	14	11	11	4	13	13	12	n	6	4	12	n	n	n	n
47	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	2	1	2	n	n	3	3	n	n	n	n
48	n	n	n	n	n	2	2	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	1	1	n	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
50	n	n	n	n	1	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
54	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	1	n	n	n	2	n	2	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
56	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																					
	P79	P80	P81	P82	P83	P84	P85	P86	P87	P88	P89	P90	P91	P92	P93	P94	P95	P96	P97	P98	P99	P100
29	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n
30	2	2	2	5	5	4	3	3	n	n	n	2	2	2	1	2	2	6	3	3	4	5
31	1	n	6	4	6	7	8	5	n	n	n	n	n	n	n	n	n	3	3	7	n	4
41	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
43	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	2	n	n
45	13	13	6	8	7	5	7	4	18	13	15	18	14	11	13	9	11	4	5	3	5	3
47	n	1	2	2	4	3	1	6	n	n	n	n	n	n	n	2	2	6	5	6	7	9
49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	n	1	2	1
51	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n

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

Table D-5. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
29	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
30	5	3	n	1	2	5	5	n	n	n	n	n	n	n	n	n	n	n	2	n	1	2	n	n	n
31	2	n	3	2	2	2	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n
32	n	n	8	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	4	6	n	n	n
43	2	2	1	1	1	n	2	n	n	n	n	1	2	n	n	n	n	n	n	1	n	n	n	n	n
44	n	1	n	1	n	n	n	4	2	2	1	n	n	1	4	4	3	3	2	2	3	n	n	9	6
45	4	3	2	3	4	3	3	n	2	n	n	1	2	n	n	n	n	n	2	2	n	n	n	n	n
46	n	1	n	2	n	n	n	5	1	n	n	1	n	6	4	4	3	6	2	2	3	n	1	n	4
47	8	9	5	15	14	9	11	n	3	13	21	11	11	9	n	2	4	7	6	8	8	7	n	n	n
48	n	1	n	1	1	1	n	2	n	1	2	n	n	n	1	1	3	2	2	1	n	n	1	2	2
49	n	n	n	2	1	n	n	n	2	1	1	n	1	n	4	1	2	n	1	1	n	2	1	2	2
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n
51	n	n	n	n	n	n	n	1	1	n	n	1	2	n	2	n	2	n	2	1	n	1	n	1	1
54	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n

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

Table D-5. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																										
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150			
n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n
n	n	4	2	n	n	n	n	n	3	2	3	n	n	n	n	n	n	n	2	2	1	n	n	n	n	n	n
n	n	3	4	n	n	n	n	n	3	3	3	1	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n
n	n	n	3	n	n	n	n	n	2	3	3	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	n
n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
2	2	n	2	3	2	1	4	4	2	2	3	1	n	n	n	3	2	3	1	n	2	n	n	n	n	n	n
n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
5	5	2	2	n	1	3	2	5	1	1	n	n	n	n	n	2	2	4	1	2	3	1	n	n	n	n	n
3	4	5	3	n	n	2	1	4	1	2	5	n	n	n	n	1	3	1	3	n	1	n	n	n	n	n	n
2	2	n	1	2	1	3	2	2	1	2	2	1	2	1	3	2	1	2	3	n	4	3	3	3	3	3	3
2	1	n	2	2	3	5	2	2	2	1	n	n	3	4	4	2	3	4	3	1	1	3	3	3	3	3	
n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
2	4	1	n	n	2	1	1	2	2	2	2	2	n	2	n	1	2	2	n	n	3	n	n	n	n	n	n
n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	4	3	n	n	n	n	n	n
n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
n	n	n	n	n	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n

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

Table D-5. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
32	2	2	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
34	1	n	n	n	n	n	n	2	n	2	n	1	1	n	1	2	1	n	n	n	1	n	n	n	1
35	n	n	n	n	n	n	n	n	n	n	n	n	n	15	9	16	8	4	6	2	2	3	3	3	8
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	1	n	3	n	2	2	1	2	n	1	n	1	3	4
38	n	n	n	n	n	n	n	n	1	3	n	2	2	n	2	3	2	2	5	4	3	2	3	4	2
39	n	n	n	n	n	n	n	n	n	n	1	n	1	n	2	n	n	n	1	1	1	1	2	n	n
40	n	n	n	n	n	n	n	n	n	2	n	2	n	n	n	n	n	n	n	1	2	n	n	n	n
44	3	1	n	n	n	n	n	n	n	n	n	2	n	n	1	n	n	n	n	n	n	n	n	n	n
46	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
47	2	n	n	n	n	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	1	1	4	3	3	3	3	3	3	n	n	1	n	n	n	n	1	n	1	n	2	2	n	1	1
49	n	n	3	2	3	3	3	2	3	2	1	2	1	3	n	n	n	1	n	n	1	1	2	n	n
50	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
51	4	2	n	2	2	n	2	1	n	1	4	n	2	n	1	n	2	3	2	n	2	n	3	1	3
52	6	6	n	n	n	n	n	n	12	7	11	9	8	3	5	3	3	9	7	7	7	10	7	5	5
53	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	1	n	1	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	1	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
56	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	1	n	3	n	n	n	n	n

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

Table D-5. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																									
	P 176	P 177	P 178	P 179	P 180	P 181	P 182	P 183	P 184	P 185	P 186	P 187	P 188	P 189	P 190	P 191	P 192	P 193	P 194	P 195	P 196	P 197	P 198	P 199	P 200	
35	7	7	n	n	2	1	4	3	7	5	n	5	4	n	n	n	n	n	n	n	n	n	n	n	n	n
36	1	8	18	n	n	n	2	3	7	11	n	2	5	n	n	n	n	n	n	n	n	n	n	n	n	n
37	5	7	n	n	1	1	2	2	5	5	n	4	5	n	n	n	n	n	n	n	n	n	n	n	n	n
38	3	2	n	1	3	4	3	4	2	4	4	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n
39	n	n	n	1	2	1	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	n	n	n	n	n	2	n	2	n	n	n	n	n	1	n	n	n	3	n	n	n	n	n	n	n	n
49	n	n	n	n	1	n	2	n	1	1	n	n	1	5	6	3	3	2	4	n	n	n	n	n	n	n
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n
51	2	n	n	1	1	1	n	1	n	1	3	2	2	4	7	4	4	4	1	n	n	n	1	n	n	n
52	2	3	n	11	9	11	12	5	4	3	11	3	4	1	n	1	1	n	n	1	n	n	n	n	n	n
53	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	2	2	4	2	n	1	1	n	2	n	n
55	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	3	3	2	3	2	3	3	2	1	4	n
56	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table D-6. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
30	2	2	2	n	1	1	n	n	n	1	1	n	1	n	n	2	n	n	n	n	2	n	n	n	n
31	2	5	3	2	2	2	3	n	1	2	4	1	3	5	1	n	1	1	2	2	2	n	n	1	n
32	n	n	7	n	n	n	2	n	n	1	n	n	n	2	n	1	n	n	n	n	2	1	4	n	n
33	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n
38	n	n	n	n	n	1	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	1	n	1
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	1	n	n	1
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	2	n	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	2	n	n
45	3	3	n	2	5	4	n	2	1	n	1	6	3	3	n	2	1	2	n	4	2	n	2	n	n
46	n	n	n	n	n	n	n	4	1	1	n	n	n	n	1	n	n	n	n	1	n	n	n	n	2
47	12	8	5	15	9	9	7	9	16	12	14	9	9	7	9	10	4	8	5	7	4	3	3	n	5
48	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	2	n	n	n	n	n	n	2	n
49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	2	n	n	n	2	n
51	n	n	n	n	n	n	n	n	n	2	n	n	n	n	3	n	2	2	1	n	n	n	2	2	n
52	n	2	3	2	2	2	3	5	2	3	4	4	2	3	5	4	3	4	6	2	6	7	7	4	4
53	n	1	2	n	1	2	2	3	1	2	1	2	1	1	2	3	4	3	4	n	3	3	2	2	4
54	n	n	n	n	1	n	n	2	n	n	n	n	n	n	2	n	n	n	1	2	n	n	n	4	n
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n
56	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	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.

Table D-6. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																			
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145
30	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	1	2	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n
33	n	n	2	5	n	n	n	n	n	2	2	3	n	n	n	n	n	1	2	1
34	n	n	1	2	n	n	n	n	1	n	2	2	n	n	n	n	n	n	4	n
37	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	1	n
38	n	n	3	n	n	n	1	n	2	n	n	2	n	1	n	1	n	2	2	n
39	n	n	n	2	n	n	n	n	n	n	n	1	n	n	n	n	n	2	n	n
40	2	n	1	n	n	1	n	1	n	n	2	n	n	n	n	n	n	2	2	1
44	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	1	n	n	n
45	1	2	n	n	n	n	n	1	n	n	1	n	n	n	n	2	2	n	n	n
46	n	n	n	n	n	n	n	2	2	n	n	n	n	n	n	n	1	n	n	n
47	4	7	2	n	n	n	n	4	6	5	2	1	n	n	n	1	5	4	3	n
48	n	n	n	n	4	2	4	n	n	n	1	n	n	5	3	3	n	n	n	n
49	2	n	n	n	5	3	2	2	n	2	n	n	n	3	5	2	n	n	2	n
50	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	n	n	2	4	4	2	n	2	n	n	n	3	2	2	4	n	2	n
52	6	5	6	7	4	n	2	7	6	6	8	8	9	2	1	2	3	5	8	11
53	3	3	n	n	1	2	3	4	3	3	n	n	n	3	2	2	3	4	3	1
54	n	n	n	n	2	4	3	n	1	n	n	n	n	2	4	4	1	1	n	n
55	n	n	n	n	3	3	1	n	n	n	n	n	2	3	3	1	n	n	n	n
56	n	n	1	4	n	n	1	n	1	n	3	3	4	n	2	n	1	2	n	4

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

Table D-6. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																									
	P 151	P 152	P 153	P 154	P 155	P 156	P 157	P 158	P 159	P 160	P 161	P 162	P 163	P 164	P 165	P 166	P 167	P 168	P 169	P 170	P 171	P 172	P 173	P 174	P 175	
33	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
34	2	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	1	2	n	n	n	n	19	3	6	4	2	2	n	n	n	n	n	n
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	6	6	7	3	9	n	1	n	n	5	7
37	n	n	n	n	n	n	n	n	2	3	n	1	n	6	6	5	7	6	9	5	4	1	5	11	8	n
38	3	5	n	n	1	n	n	/	/	/	/	/	/	1	7	5	3	7	4	8	11	9	7	7	5	n
39	2	2	n	n	1	1	n	b	3	3	3	3	3	n	2	n	2	n	n	2	1	2	3	1	n	n
40	2	2	n	n	n	1	n	n	3	3	3	2	2	n	n	n	n	n	n	4	2	3	3	n	n	n
48	n	n	3	3	4	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	2	3	n	n	n
49	n	n	b	4	3	4	3	b	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	3	3	3	3	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
52	8	b	2	2	2	n	1	1	2	2	4	3	5	n	1	n	1	2	n	1	3	2	1	n	n	n
53	n	n	3	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	4	3	3	3	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	1	3	2	3	2	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
56	2	4	n	1	n	n	n	n	n	4	6	5	6	n	3	2	1	4	3	4	4	7	3	2	3	n

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

Table D-6. (Continued) -- Probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																									
	P 176	P 177	P 178	P 179	P 180	P 181	P 182	P 183	P 184	P 185	P 186	P 187	P 188	P 189	P 190	P 191	P 192	P 193	P 194	P 195	P 196	P 197	P 198	P 199	P 200	
36	15	17	30	n	n	2	4	6	11	11	n	/	/	n	n	n	n	n	n	n	n	n	n	n	n	n
37	6	/	n	1	n	3	11	11	14	11	2	11	8	n	n	n	n	n	n	n	n	n	n	n	n	n
38	5	2	n	/	9	7	6	6	3	3	8	5	5	n	n	1	1	n	n	n	n	n	n	n	n	n
39	n	n	n	4	2	3	n	n	n	n	4	2	n	n	n	n	n	1	n	n	n	n	n	n	n	n
40	n	n	n	4	1	2	n	2	n	n	2	n	n	1	n	2	2	2	1	n	n	1	n	2	n	n
49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n
51	n	n	n	n	n	n	n	n	n	n	n	n	n	4	2	2	2	2	n	n	n	n	n	n	n	n
52	n	n	n	3	4	n	n	n	n	n	n	n	n	n	2	1	1	2	2	n	n	n	n	n	n	n
53	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	2	2	2	1	n	n	2	n	n	n	n
54	n	n	n	n	n	n	n	n	n	n	n	n	n	/	/	/	/	6	5	n	n	2	n	n	n	n
55	n	n	n	n	n	n	n	n	n	n	n	n	n	6	5	6	6	7	8	n	n	n	1	2	2	2
56	n	n	n	5	6	6	2	2	n	n	/	2	n	n	n	1	1	2	3	1	1	1	n	2	2	3

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

Table D-7. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the summer.

Land Segment	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
31	4	n	n	2	3	1	n	n	n	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n
32	1	4	6	1	n	3	4	n	n	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n
33	1	2	2	n	n	2	2	n	n	n	n	1	n	2	n	1	n	2	n	2	n	2	n	n	n
34	n	3	3	2	3	4	5	n	1	1	3	6	5	4	2	5	3	1	4	5	4	3	2	3	3
37	n	n	n	n	1	1	n	n	n	n	n	1	n	n	n	2	1	n	n	n	n	1	1	n	n
38	1	n	3	1	n	1	n	n	2	n	n	2	1	1	3	3	2	1	3	2	2	2	2	4	4
39	n	n	n	n	1	1	n	n	1	n	2	n	n	n	2	n	2	2	2	1	2	1	1	2	n
40	1	n	n	n	n	n	n	n	n	n	n	1	n	1	n	1	n	n	n	1	3	2	n	n	n
46	n	n	n	1	n	n	n	2	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
47	6	4	2	4	2	2	n	15	11	7	3	2	2	2	7	4	4	2	n	2	n	2	2	1	3
48	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	5	n
49	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	1	n	4	n
51	2	1	1	2	2	3	3	2	3	3	n	2	3	3	1	3	2	3	2	3	2	n	n	3	3
52	2	3	4	1	3	n	2	2	5	1	1	3	2	5	1	1	3	2	4	6	3	4	2	1	4
53	n	2	4	n	n	1	2	1	n	2	3	n	1	n	3	1	n	4	n	2	n	2	n	n	2
54	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	2	n	1	n	n	n	n	n	n
55	n	n	n	n	n	n	1	n	1	n	2	n	n	n	n	n	1	n	1	n	n	n	n	1	n
56	n	n	n	n	n	n	1	n	n	2	n	n	1	n	1	3	2	1	3	1	2	n	1	n	1

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

Table D-7. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the summer.

Land Segment	Hypothetical Spill Location																									
	P 126	P 127	P 128	P 129	P 130	P 131	P 132	P 133	P 134	P 135	P 136	P 137	P 138	P 139	P 140	P 141	P 142	P 143	P 144	P 145	P 146	P 147	P 148	P 149	P 150	
32	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
33	1	2	4	4	n	n	1	n	n	1	3	3	6	n	n	n	1	1	n	2	2	1	n	n	n	n
34	4	2	7	8	n	n	1	3	2	4	4	5	5	1	n	2	4	n	1	4	4	5	1	1	n	n
35	n	n	n	1	n	n	n	n	n	n	1	n	1	n	n	n	n	n	1	n	1	2	n	n	n	n
36	1	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	2	n	n	n	n
37	n	n	1	n	n	n	n	n	1	n	2	1	n	n	n	n	2	2	n	2	1	1	n	n	n	n
38	n	2	5	2	n	1	n	2	n	1	2	n	1	3	3	2	n	n	1	1	2	2	n	3	2	2
39	1	1	2	1	n	1	n	n	n	1	2	3	3	2	2	2	n	n	1	1	1	n	n	2	2	2
40	n	n	n	n	n	1	1	n	n	1	1	3	3	n	n	n	n	n	n	2	2	3	1	n	n	1
46	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	2	2	3	n	n	n	n	n	n	n
47	4	1	n	n	n	2	n	2	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	n	n	n	n	4	1	1	n	n	n	n	n	n	3	3	3	1	n	n	n	n	n	4	5	1	1
49	n	n	n	n	n	3	6	7	n	n	n	n	n	7	5	6	1	1	n	n	n	n	n	6	5	7
51	4	5	n	n	1	n	n	3	2	2	n	2	n	1	2	n	2	4	n	n	n	n	1	n	2	2
52	4	4	6	5	3	1	4	4	5	5	8	6	5	2	n	1	3	5	6	5	7	4	3	n	2	2
53	1	1	n	1	n	n	n	n	1	n	n	n	n	1	1	n	4	n	2	n	n	n	n	n	1	1
54	n	1	n	n	n	n	2	3	n	n	2	n	n	n	2	2	n	n	n	n	n	n	2	n	2	2
55	n	1	n	n	n	n	n	n	n	n	n	n	n	2	2	2	n	n	n	n	n	n	n	1	n	n
56	1	2	1	2	4	n	2	3	3	2	n	3	n	2	n	3	1	2	2	n	n	2	1	2	2	2

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

Table D-/. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the summer.

Land Segment	Hypothetical Spill Location																											
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
34	3	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
36	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
38	4	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	2	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40	3	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	n	n	6	4	4	7	7	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	4	6	8	3	6	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	1	3	n	3	2	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
52	7	7	n	3	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
53	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	2	1	1	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
56	2	3	1	2	1	2	3	2	1	1	4	2	2	n	1	n	1	n	1	2	n	1	3	2	1	n	n	n

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

Table D-7. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the summer.

Land Segment	Hypothetical Spill Location																									
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	
35	n	n	n	1	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
36	11	15	23	2	n	3	5	5	11	13	1	2	5	n	n	n	n	n	n	n	n	n	n	n	n	
37	10	8	n	4	5	5	9	11	8	9	5	13	17	n	2	n	n	n	1	n	n	n	n	n	n	
38	3	3	n	6	5	4	6	/	3	2	6	8	/	1	3	n	n	3	1	n	n	n	n	n	n	
39	n	n	n	4	6	5	3	2	n	n	3	2	1	n	n	1	1	2	n	n	n	n	1	2	n	
40	n	n	n	3	3	1	n	n	n	n	3	n	n	1	2	n	n	1	1	1	2	n	n	2	n	
49	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	2	n	n	n	n	n	
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	4	1	1	3	
51	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3	3	2	3	n	n	n	n	n	n	
52	n	n	n	n	2	n	n	n	n	n	n	n	n	2	2	3	3	n	n	n	n	n	n	n	n	
53	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	2	n	n	n	n	n	n	
54	n	n	n	n	n	n	n	n	n	n	n	n	n	3	3	3	3	2	2	n	n	1	n	n	n	
55	n	n	n	n	n	n	n	n	n	n	n	n	n	4	5	4	4	6	8	n	n	n	n	n	n	
56	n	n	n	3	2	2	n	n	n	n	4	n	n	2	2	1	1	4	1	1	2	1	4	1	1	4

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

Table D-8. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	
30	3	2	2	3	2	2	n	n	n	4	2	2	n	n	n	1	n	2	3	2	1	2	n	n	
31	6	6	5	4	5	7	n	n	n	3	6	6	9	n	n	n	2	3	3	5	6	5	n	n	
32	n	1	5	n	n	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1	n	n	
33	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	
38	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
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	
44	n	n	n	2	2	n	2	2	3	n	2	n	n	2	3	3	2	2	2	n	1	1	16	1	
45	3	2	n	4	4	1	n	n	n	2	2	n	n	n	n	n	n	1	1	1	n	2	n	n	
46	n	n	n	n	n	n	5	2	n	1	n	n	2	7	3	3	2	1	1	1	n	n	n	n	
47	6	7	5	7	8	10	3	7	8	9	7	5	6	3	8	7	7	5	4	5	2	1	n	8	
48	n	1	2	n	2	n	n	n	1	n	1	n	n	3	4	2	1	2	n	1	3	2	2	1	
49	n	1	1	2	2	1	2	2	1	n	2	1	n	2	1	2	1	3	n	3	3	2	1	3	
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	1	
51	1	n	1	n	1	n	n	n	n	n	1	n	n	n	n	1	2	2	n	n	n	1	2	n	
52	n	n	n	n	n	n	n	1	n	1	n	1	n	n	n	n	n	n	n	n	n	1	n	n	
55	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	1	n	3	n	n	n	n	

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

Table D-8. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																										
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150			
30	n	2	1	n	n	n	1	n	n	2	n	2	n	n	n	1	2	n	2	1	n	n	n	n	n		
31	n	3	3	4	n	n	2	3	2	6	4	5	n	n	n	1	4	2	1	1	3	n	n	n	n		
32	n	n	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n		
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n		
37	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	2	1	1	n	1	n	1	n	n		
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n		
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n		
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n		
42	n	n	n	n	2	n	2	n	n	n	n	n	2	3	2	n	n	n	n	n	n	n	2	n	n		
43	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
44	2	2	n	1	9	7	1	2	2	n	1	2	5	3	4	2	4	2	4	2	1	2	2	2	2		
45	2	2	1	n	n	n	n	n	n	n	2	n	n	n	n	n	1	1	n	n	1	n	n	n	n		
46	2	2	2	n	n	n	n	1	n	2	n	1	n	n	n	n	1	1	n	1	1	n	n	n	n		
47	5	3	1	5	n	n	5	3	3	3	4	2	n	n	n	5	4	4	3	7	4	n	n	n	n		
48	1	1	1	n	3	2	4	2	1	3	2	2	4	3	4	n	1	1	2	n	n	2	5	4	n		
49	2	3	n	1	2	4	1	2	n	2	1	3	3	5	3	2	3	2	2	2	1	4	2	3	n		
50	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
51	n	n	2	n	n	n	n	n	2	n	n	1	3	1	n	1	3	2	3	1	3	n	n	n	n		
52	n	n	2	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	3	2	n	n	n		
54	n	n	n	n	n	n	n	1	n	1	1	1	n	n	n	n	n	n	1	n	1	2	1	n	n		
55	n	n	2	n	n	2	1	n	1	n	n	n	2	1	1	n	n	1	n	1	1	1	1	3	1		

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

Table D-8. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
30	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
31	2	1	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
32	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
34	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
35	n	n	n	n	n	n	n	n	n	n	n	n	n	15	11	13	7	2	6	n	n	n	n	4	2
36	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	n	n	1	n	1	n	3
37	n	n	n	n	n	n	n	n	1	n	1	n	1	n	2	1	1	2	1	n	2	1	1	1	2
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
42	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
44	2	3	n	1	2	n	n	n	1	n	n	2	2	n	1	n	n	1	2	1	4	n	3	1	n
45	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
46	n	1	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	1	n	2	n	1	n	n	n
47	2	3	n	n	n	n	n	n	n	n	n	2	n	n	1	n	n	1	n	n	3	n	n	2	n
48	n	2	2	9	6	6	8	7	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	4	3	2	5	3	2	2	1	n	n	2	1	n	n	1	n	n	n	n	1	2	n	n	n
51	n	2	n	n	n	n	n	n	1	n	1	n	n	n	1	2	n	n	n	n	1	n	n	n	n
52	3	1	n	1	n	n	n	n	13	10	13	9	14	3	4	3	7	11	6	11	7	11	8	7	7
53	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	n	n	1	n
55	n	n	2	1	2	2	4	3	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table D-8. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																								
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P					
	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
31	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	7	5	n	n	n	2	4	2	n	n	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n
36	6	10	30	n	n	2	1	4	12	12	2	9	9	n	n	n	n	n	n	n	n	n	n	n	n
37	n	n	n	n	n	n	n	n	n	n	1	n	n	2	n	n	n	n	n	n	n	n	1	n	n
38	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	1	n	n	n
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
44	1	n	n	2	2	2	1	1	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
46	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
47	n	n	n	1	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	n	n	n	n	1	n	n	2	n	n	n	n	n	5	4	6	6	3	2	2	n	2	2	2	2
49	n	n	n	n	n	n	n	1	n	n	n	n	n	6	4	4	4	3	5	2	2	3	1	3	5
50	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	2	1	n	n	n	n	n	n	2
51	n	n	n	n	1	n	2	n	n	n	n	n	n	2	4	1	1	2	3	n	n	n	n	n	1
52	5	2	n	17	13	10	9	7	3	2	13	5	5	1	n	n	n	1	n	n	n	2	n	n	n
53	n	n	n	n	n	n	1	n	n	n	n	n	n	n	2	2	2	2	n	n	1	n	1	n	n
54	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	1	1	2	n	2	2	2	2	3	3
55	n	n	n	n	n	n	n	n	n	n	n	n	n	4	3	4	4	3	3	5	5	4	5	4	n
56	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n

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

Table D-9. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																				
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221
39	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
49	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
52	n	n	n	n	n	n	1	3	n	n	n	2	2	2	n	n	1	n	n	2	n
54	2	2	3	2	3	3	3	3	3	3	6	3	4	2	4	4	3	4	5	6	3
55	3	6	4	6	4	5	4	6	6	6	4	/	/	8	4	9	8	4	8	6	/
56	n	n	n	n	n	n	n	n	n	n	n	n	1	n	2	n	1	n	n	n	n

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

Table D-10. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																							
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221			
39	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
40	2	1	1	n	n	1	n	n	n	n	1	1	2	1	1	3	n	3	2	n	n	2		
54	n	2	1	2	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	1	n			
55	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
56	1	3	3	4	3	4	6	1	4	2	4	4	6	2	4	6	2	4	4	3	6			

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

Table D-11. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the summer.

Land Segment	Hypothetical Spill Location																							
	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
37	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221			
38	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	2	n	n	n	1	n			
39	n	n	1	2	2	1	2	1	1	1	2	3	1	2	3	2	3	3	n	n	n	3		
40	n	2	3	2	1	3	2	2	2	4	2	2	2	4	5	2	n	2	2	2	2	3		
49	1	1	1	n	2	1	n	2	2	2	1	4	3	2	3	3	4	2	3	5	3			
50	n	n	1	n	n	n	1	n	1	n	n	n	n	n	n	n	n	2	n	n	n			
51	n	n	2	n	n	n	n	n	2	n	n	n	2	n	n	n	n	n	n	n	n			
52	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n			
54	n	n	n	n	n	n	n	n	n	2	n	n	n	n	2	1	n	n	n	n	n			
55	n	n	n	1	n	1	n	n	n	n	n	1	2	n	1	2	n	n	1	n	n			
56	3	6	2	4	4	5	5	6	3	4	/	4	6	7	4	5	/	n	n	n	6			

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

Table D-12. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																				
	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221
37	n	1	n	n	n	2	1	1	n	2	n	n	1	n	2	n	n	n	n	1	n
38	n	n	n	n	n	1	n	1	2	n	n	n	1	n	n	n	n	n	n	n	2
39	n	n	3	1	n	n	n	2	n	n	2	n	n	2	2	2	2	n	1	n	1
40	n	1	1	1	2	2	3	n	2	1	2	3	3	2	3	4	2	1	4	4	2
44	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n
48	3	2	n	1	n	n	n	n	n	1	n	n	n	n	2	1	2	1	n	1	n
49	4	2	1	n	n	2	3	n	2	2	1	n	n	1	2	n	n	3	n	1	n
51	n	n	n	n	n	n	n	1	n	2	n	n	n	n	n	n	n	n	n	n	n
52	1	2	2	1	1	2	n	2	1	2	2	n	1	n	2	n	2	2	n	2	2
53	n	n	2	n	n	n	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n
54	2	2	2	2	2	n	n	n	1	2	3	1	1	2	3	3	5	2	3	1	4
55	/	5	8	6	5	4	8	4	6	5	3	6	6	6	3	6	4	5	3	5	5
56	2	n	n	1	3	2	2	n	2	2	2	3	3	2	2	2	n	2	2	2	4

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

Table D-13. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																								
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25
22	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	1	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	3
25	2	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1
26	n	1	2	3	n	n	2	n	n	n	n	1	1	n	2	n	2	1	n	n	n	n	n	2	n
27	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	2	6	9	15	n	5	7	6	8	6	7	n	1	7	8	4	11	7	8	7	8	7	4	5	n
29	n	n	n	n	n	n	n	4	4	5	4	n	n	n	n	n	n	n	1	2	2	2	5	5	n
30	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n
41	n	n	n	n	n	n	n	2	1	2	1	n	n	n	n	2	1	n	n	n	1	2	3	3	2
43	n	n	n	n	n	n	n	2	2	5	5	n	n	n	n	n	n	1	1	1	2	2	4	6	n
45	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
48	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n
49	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n
50	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table D-13. (Continued) -- Probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																								
	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37	E38	E39	E40	E41	E42	E43	E44	E45	E46	E47	E48	E49	E50
24	1	n	n	n	n	n	n	n	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
25	n	n	2	n	n	n	n	2	n	1	n	1	1	2	n	1	n	n	n	n	n	n	n	n	n
26	n	n	n	2	n	1	n	n	n	1	n	n	n	n	n	2	n	n	n	n	1	n	n	n	n
28	3	2	2	6	/	/	6	4	n	1	n	1	3	n	2	5	3	3	1	3	4	3	3	n	3
29	n	n	n	n	1	1	3	4	n	n	n	n	n	n	n	n	2	3	4	2	1	2	2	3	3
30	n	n	n	n	n	n	2	n	n	n	n	1	n	n	1	1	n	4	4	2	2	3	2	4	1
41	2	2	n	2	1	3	2	2	n	n	2	3	2	n	4	4	1	3	1	3	1	1	4	2	3
42	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
43	n	3	1	2	2	2	2	3	n	n	1	1	3	n	3	3	4	5	/	4	4	2	n	5	8
45	n	n	n	n	n	2	n	2	n	n	n	1	n	n	2	2	3	2	5	n	2	4	6	5	4
47	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n
48	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n
51	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table D-13. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																									
	E51	E52	E53	E54	E55	E56	E57	E58	E59	E60	E61	E62	E63	E64	E65	E66	E67	E68	E69	E70	E71	E72	E73	E74	E75	
28	2	n	n	2	n	n	n	n	4	1	1	n	n	2	1	1	2	n	1	n	2	3	2	n	n	
29	n	2	1	n	1	n	n	n	4	n	n	n	3	2	2	1	n	n	n	3	2	2	3	n	n	
30	2	1	5	4	5	n	n	n	4	15	11	14	6	7	9	13	12	12	11	3	6	9	9	14	11	
31	n	n	n	n	n	n	n	n	n	2	3	4	n	n	n	n	n	2	4	n	n	n	n	n	1	
41	3	3	3	4	4	n	n	n	2	1	n	n	3	4	1	3	n	n	1	3	3	1	1	1	n	
42	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
43	7	7	5	5	2	n	n	n	7	2	4	4	6	7	6	6	4	3	4	5	3	6	5	6	2	
44	n	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
45	4	6	5	6	4	n	n	n	2	2	5	5	4	2	3	4	5	5	4	5	7	4	5	4	5	
47	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	2	1	2	n	n	2	3	
48	n	n	n	n	n	4	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
49	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
51	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	

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

Table D-13. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																								
	E/6	E/7	E/8	E/9	E/80	E/81	E/82	E/83	E/84	E/85	E/86	E/87	E/88	E/89	E/90	E/91	E/92	E/93	E/94	E/95	E/96	E/97	E/98	E/99	E/100
28	n	n	1	n	1	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	11	7	8	11	11	7	7	11	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	2	11	n	n	1	n	1	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	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	n	n	n	n	1	n	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	8	3	4	6	4	5	4	6	2	3	n	3	n
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	2	3	2	4	n	2	1	2	n
37	n	n	n	n	n	n	n	n	n	n	n	n	3	2	1	2	2	3	2	4	n	2	1	2	n
38	n	n	n	n	n	n	n	n	n	n	n	n	4	2	6	3	3	3	4	2	2	3	5	5	5
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	2	n	2	n	1	1	2
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
41	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	3	3	3	4	5	3	3	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
45	3	6	7	4	6	7	7	6	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
46	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
47	n	1	3	6	3	7	9	4	11	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n
48	n	n	n	n	n	n	n	n	n	n	2	3	n	n	n	n	n	n	n	n	n	n	n	1	n
49	n	n	n	n	n	n	n	n	n	4	2	4	1	n	n	n	1	n	n	n	n	2	1	n	n
51	n	n	n	n	n	n	n	n	n	7	8	6	n	n	n	n	3	1	2	1	2	1	1	2	n
52	n	n	n	n	n	n	n	n	n	n	n	n	2	7	5	4	7	4	7	4	8	7	11	7	11
53	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	1	n	n	1	n	n	n
54	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table D-14. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																								
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25
28	1	4	6	/	n	n	4	3	3	3	2	n	n	1	2	n	2	n	2	2	2	1	1	n	n
29	n	n	n	n	n	n	n	n	2	3	2	n	n	n	n	n	n	n	1	n	n	2	n	3	n
30	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
41	3	6	4	/	3	/	6	/	/	6	4	2	3	6	9	13	6	14	9	/	4	4	4	1	6
42	2	2	n	n	n	n	n	n	n	n	n	n	2	2	n	n	1	n	n	n	n	n	n	n	n
43	n	2	2	n	n	n	n	10	/	11	11	n	n	1	1	2	5	5	/	12	12	15	13	/	n
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
45	n	n	n	n	n	n	n	n	1	1	5	n	n	n	n	n	n	n	n	n	1	2	3	/	n
48	n	n	1	n	2	1	n	n	n	n	n	2	2	2	2	1	1	1	n	n	n	n	n	n	1
49	1	n	1	1	2	n	2	n	n	n	n	2	4	n	n	n	n	n	n	1	n	n	1	n	3
50	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1
51	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1
54	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2	1	n	n	n	n	n	n	n	n
55	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	2
56	n	n	n	n	2	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n

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

Table D-14. (Continued) -- Probabilities (expressed as percent chance) that an oil spill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																								
	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37	E38	E39	E40	E41	E42	E43	E44	E45	E46	E47	E48	E49	E50
28	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	2	n	1	n	n	n	1
29	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	3	4
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	2	n
41	11	11	12	8	6	6	2	3	4	/	11	15	/	8	12	/	4	2	2	2	2	n	n	2	n
42	n	1	n	n	n	n	n	n	2	n	2	n	n	n	1	n	n	n	n	n	n	n	n	n	n
43	2	5	9	10	16	13	11	11	n	1	1	3	15	n	8	12	13	/	5	24	18	17	8	3	5
44	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
45	n	n	2	n	n	3	/	5	n	n	n	n	1	n	n	2	6	10	14	2	5	10	11	15	18
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
47	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
48	2	3	2	2	n	n	n	2	1	1	1	1	n	3	n	1	n	n	n	n	n	n	n	n	n
49	n	2	n	n	n	n	n	n	1	3	2	n	n	2	n	n	n	n	n	n	n	n	1	n	n
50	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
56	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n

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

Table D-14. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																								
	E51	E52	E53	E54	E55	E56	E57	E58	E59	E60	E61	E62	E63	E64	E65	E66	E67	E68	E69	E70	E71	E72	E73	E74	E75
28	n	n	1	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	1	n	1	n	n	n
29	n	n	n	n	n	n	n	n	3	n	n	n	2	2	2	n	n	1	2	1	1	1	n	n	n
30	n	n	n	n	n	n	n	n	n	9	6	n	2	4	7	8	7	2	1	3	5	5	9	3	1
31	n	n	n	n	n	n	n	n	n	2	7	11	n	n	n	5	7	13	11	n	n	n	n	3	8
39	n	n	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	1	1	n	2	n	n	n	n	n	1	n	n	2	1	1	n	n	n	n	n	2	2	1	n	n
43	22	23	17	16	7	n	n	n	4	n	n	n	2	4	1	1	n	n	n	n	4	3	2	1	n
45	3	3	6	11	14	n	n	n	13	12	10	8	15	14	15	9	10	10	9	15	8	17	13	10	8
46	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
47	n	n	n	n	n	n	1	n	1	2	2	3	n	n	2	2	3	2	4	n	2	1	2	5	8
48	n	n	n	n	n	n	3	8	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
49	n	n	n	n	n	n	3	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	n	n	n	n	2	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
52	n	n	n	n	n	n	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
53	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	n	n	2	2	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	n	n	3	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
56	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table D-14. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																								
	E/6	E/7	E/78	E/79	E/80	E/81	E/82	E/83	E/84	E/85	E/86	E/87	E/88	E/89	E/90	E/91	E/92	E/93	E/94	E/95	E/96	E/97	E/98	E/99	E/100
30	2	1	2	3	1	3	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	8	11	2	1	5	1	2	3	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	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
34	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	n	n	n	n	2	2	2	3	1	n	1	n	n	n	n	n	n
36	n	n	n	n	n	n	n	n	n	n	n	n	7	4	2	12	2	6	9	18	n	n	1	1	n
37	n	n	n	n	n	n	n	n	n	2	n	n	6	6	7	6	6	11	7	6	3	10	3	7	5
38	n	n	n	n	n	n	n	n	n	n	n	2	7	7	6	4	7	7	5	2	13	7	11	6	10
39	n	n	n	n	n	n	n	n	1	2	1	n	n	1	n	2	3	1	1	n	2	1	2	2	3
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	2	2	2	3	3
43	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
45	4	6	15	11	7	11	8	7	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
47	7	6	8	11	10	11	10	10	9	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	n	n	n	n	n	n	n	9	7	8	n	n	n	n	n	n	n	n	n	n	n	n	n
52	n	n	n	n	n	n	n	n	2	n	7	2	2	2	1	2	2	n	n	n	2	2	n	2	n
53	n	n	n	n	n	n	n	n	1	5	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	n	n	n	n	n	n	n	2	4	n	n	n	n	n	n	n	n	n	n	n	n	n
56	n	n	n	n	n	n	n	n	n	2	n	1	1	3	3	n	4	3	3	3	6	5	6	5	7

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

Table D-15. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the summer.

Land Segment	Hypothetical Spill Location																								
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25
28	n	n	2	10	n	n	n	1	2	2	n	n	n	n	1	n	1	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	n	n	n	n	n	n	n	1	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	1	n
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
41	11	9	13	4	4	14	12	5	4	2	2	5	9	15	11	20	17	4	5	2	4	n	1	2	13
42	2	n	1	n	3	2	2	n	n	n	n	n	3	1	1	1	n	n	n	n	n	n	n	n	3
43	n	n	n	n	n	n	1	20	19	13	15	n	n	n	n	4	5	15	18	15	18	10	/	8	n
45	n	n	n	n	n	n	n	1	3	/	8	n	n	n	n	n	n	3	4	5	9	11	12	15	n
46	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
48	1	n	n	n	n	n	n	n	n	n	n	2	n	n	n	1	n	n	n	n	n	n	n	n	1
50	n	n	n	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1
51	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
55	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
56	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table D-15. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the summer.

Land Segment	Hypothetical Spill Location																								
	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37	E38	E39	E40	E41	E42	E43	E44	E45	E46	E47	E48	E49	E50
30	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	1	n	n	n
31	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	2	3	n	n	n	n	3	2
38	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
40	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	21	/	4	1	1	n	2	1	n	15	22	15	n	6	3	n	n	n	n	n	n	n	n	n	n
42	n	n	n	n	n	n	n	n	n	1	1	n	n	3	n	n	n	n	n	n	n	n	n	n	n
43	5	17	17	16	14	15	9	6	n	2	4	6	14	n	22	26	4	2	4	17	18	7	6	3	2
45	n	n	2	/	8	/	9	15	n	n	n	1	11	n	1	4	17	14	11	/	/	14	17	10	12
46	n	n	n	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
47	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	2	3	5	1	n	n	2	4	n
50	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
52	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
53	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
56	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n

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

Table D-15. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the summer.

Land Segment	Hypothetical Spill Location																								
	E51	E52	E53	E54	E55	E56	E57	E58	E59	E60	E61	E62	E63	E64	E65	E66	E67	E68	E69	E70	E71	E72	E73	E74	E75
29	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	1	n	n	1	n	n	n
30	n	1	n	n	n	n	n	n	2	4	3	4	2	1	3	3	3	4	1	n	4	2	3	1	1
31	n	n	n	n	n	n	n	n	4	8	13	9	3	4	2	6	8	8	11	3	3	4	6	4	6
34	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	1	n	n	n	n	3	1
38	n	n	n	n	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40	n	n	n	n	n	2	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
41	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	20	13	14	4	2	n	n	n	3	n	2	n	4	2	1	1	2	n	n	2	n	1	2	1	n
45	5	6	/	15	2/	n	n	n	5	2	3	3	8	9	6	5	2	n	3	14	10	7	6	2	n
46	n	1	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	
47	n	n	1	n	n	n	n	n	4	4	5	6	6	6	4	8	8	7	7	3	4	7	6	8	
48	n	n	n	n	n	4	5	/	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
49	n	n	n	n	n	6	6	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
51	n	n	n	n	n	2	1	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	
52	n	n	n	n	n	1	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	
53	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	
54	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
55	n	n	n	n	n	2	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
56	n	n	n	n	n	1	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	

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

Table D-15. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the summer.

Land Segment	Hypothetical Spill Location																		
	E/6	E/7	E/8	E/9	E/80	E/81	E/82	E/83	E/84	E/85	E/86	E/87	E/88	E/89	E/90	E/91	E/92	E/93	E/94
30	2	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	7	9	1	2	3	2	3	3	3	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
33	1	2	n	n	2	n	2	n	n	n	n	n	n	n	n	n	n	n	n
34	n	n	2	2	3	2	n	2	2	n	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	n	n	n	n	7	8	5	6	1	4	3
36	n	n	n	n	n	n	n	n	n	n	n	n	8	3	9	12	7	4	8
37	n	n	n	n	n	n	n	n	n	n	n	n	4	7	5	4	5	6	6
38	n	1	n	n	n	2	n	n	n	n	2	n	3	6	7	2	6	4	7
39	n	n	n	n	n	n	n	n	n	n	2	n	2	3	2	n	2	1	1
40	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	1	n
43	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
45	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
47	7	5	12	9	7	5	4	6	5	1	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
51	n	n	n	1	n	1	2	1	n	9	7	8	n	n	n	n	n	n	n
52	2	1	n	2	1	n	2	4	3	4	4	5	n	1	n	n	1	n	n
53	n	n	1	n	n	n	n	1	n	2	n	2	n	n	n	n	n	n	n
54	n	n	n	n	n	n	n	n	n	1	1	3	n	n	n	n	n	n	n
55	n	n	n	n	n	1	n	n	n	1	2	2	n	n	n	n	n	n	n
56	n	n	n	1	n	n	n	2	n	1	3	4	n	1	n	n	n	n	1
																			2

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

Table D-16. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																								
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24	E25
28	n	n	1	6	n	n	2	2	2	2	1	n	n	n	1	n	n	n	n	n	n	3	n	1	n
29	n	n	n	n	n	n	n	1	1	2	2	n	n	n	n	n	n	n	n	n	n	n	2	2	n
39	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
41	n	n	n	2	n	n	1	2	n	n	n	n	n	n	2	5	/	5	4	2	1	1	1	n	2
42	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1
43	n	n	n	n	n	n	n	3	4	2	n	n	n	n	n	n	1	5	3	4	1	2	2	n	n
45	n	n	n	n	n	n	n	2	4	/	6	n	n	n	n	n	n	1	2	6	4	/	11	9	n
48	n	n	n	2	n	n	n	n	n	n	n	n	n	1	n	n	n	2	n	n	n	n	n	n	1
49	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
50	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
52	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
55	2	2	n	2	1	3	n	n	n	n	2	4	4	1	1	1	n	1	n	n	n	n	n	1	1

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

Table D-16. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																								
	E26	E27	E28	E29	E30	E31	E32	E33	E34	E35	E36	E37	E38	E39	E40	E41	E42	E43	E44	E45	E46	E47	E48	E49	E50
28	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
41	4	6	3	1	1	1	n	2	1	3	/	8	n	4	1	n	n	n	n	n	n	n	1	n	n
42	1	n	n	n	n	n	n	n	n	1	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n
43	n	3	/	2	1	2	2	1	n	n	n	3	2	n	8	3	3	n	1	2	6	n	1	2	n
45	n	n	2	4	8	8	11	10	n	n	n	n	/	n	n	4	14	21	17	8	8	17	14	17	16
48	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
50	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
55	n	n	n	n	1	n	1	n	2	1	2	n	n	2	n	n	n	n	n	n	n	n	n	n	n

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

Table D-16. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																								
	E51	E52	E53	E54	E55	E56	E57	E58	E59	E60	E61	E62	E63	E64	E65	E66	E67	E68	E69	E70	E71	E72	E73	E74	E75
30	n	n	n	n	n	n	n	n	4	8	6	7	n	n	n	5	7	7	4	n	n	1	1	3	4
31	n	n	n	n	n	n	n	n	n	7	6	7	n	n	1	5	7	6	8	n	n	n	n	3	2
37	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
42	n	n	n	n	n	2	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	9	8	8	2	1	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
44	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
45	4	7	9	15	11	n	n	n	13	7	2	3	16	15	13	3	3	2	4	15	15	11	13	9	11
47	n	n	n	n	n	n	n	n	n	n	2	n	1	3	2	1	n	3	2	n	n	1	n	2	3
48	n	n	n	n	n	3	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	n	2	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
50	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
54	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
55	n	n	n	n	n	1	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table D-16. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																								
	E/6	E/7	E/8	E/9	E/80	E/81	E/82	E/83	E/84	E/85	E/86	E/87	E/88	E/89	E/90	E/91	E/92	E/93	E/94	E/95	E/96	E/97	E/98	E/99	E/100
29	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	6	4	4	6	3	5	3	3	2	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
31	8	4	n	2	4	2	2	4	5	n	n	n	n	1	n	n	n	n	n	n	n	1	n	1	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n
35	n	n	n	n	n	n	n	n	n	n	n	n	11	6	5	8	3	5	4	9	n	n	n	1	n
36	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n	2	2	3	1	n	3	2	2	2
37	n	n	n	n	n	n	n	n	1	n	n	n	n	1	1	n	2	n	n	n	n	1	2	2	2
38	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	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	1
41	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
44	n	n	n	n	2	1	n	n	3	4	3	2	n	n	1	n	n	n	n	n	2	1	n	n	2
45	4	5	11	7	5	2	4	4	3	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
46	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n
47	5	4	5	5	5	6	7	5	6	n	n	n	1	1	n	n	2	2	2	1	n	1	1	1	n
48	n	n	n	n	1	2	n	n	1	3	3	1	n	n	n	n	n	1	n	n	n	n	n	n	n
49	n	n	n	n	n	n	n	1	1	3	3	2	n	1	n	1	n	1	n	n	n	1	2	n	n
50	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	1	n	n	n	n	n
51	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
52	n	n	n	n	n	n	n	n	n	n	n	n	7	5	7	7	9	5	6	9	9	8	11	8	n
53	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1
55	n	n	n	n	n	n	n	n	n	2	2	5	n	n	n	n	n	1	n	n	n	n	n	n	n

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

Table D-17. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																														
	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E			
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	
35	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	
37	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	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	n	n	n	n	n	
39	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
49	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	
51	1	n	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
52	8	n	1	n	n	n	n	n	1	1	2	1	n	n	n	1	n	n	1	n	n	n	1	n	n	2	n	2	1	n	n
54	n	2	n	2	1	n	n	2	n	1	3	n	n	n	1	n	n	n	1	3	1	3	3	2	2	2	1	1	3	4	5
55	n	3	2	2	4	2	4	4	2	2	1	1	2	5	5	3	4	3	4	2	4	3	5	6	4	3	5	4	4	5	

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

Table D-18. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																													
	L	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130
36	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	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	n	n	n	n	n
38	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	n	n	n	n
39	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
40	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n
54	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
55	n	n	n	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
56	4	n	2	1	4	2	2	1	1	n	2	2	n	n	1	4	n	n	4	n	n	n	3	4	n	n	n	n	n	n

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

Table D-19. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the summer.

Land Segment	Hypothetical Spill Location																													
	L	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E		
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130
36	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
37	9	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
38	9	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	2	n	n	2	n	n	n	n	n	n	n	n
39	5	n	n	n	n	n	n	n	n	n	2	n	2	1	1	n	n	1	n	n	n	2	1	n	n	n	n	n	n	n
40	n	1	n	n	1	n	n	n	n	n	2	1	2	2	1	n	n	n	2	2	1	1	2	n	n	n	n	n	1	n
48	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
49	n	n	n	n	1	n	2	n	n	n	1	n	n	n	n	2	n	n	1	n	1	1	n	n	1	n	n	n	n	n
50	n	1	n	n	1	n	2	n	n	n	2	n	2	1	1	2	n	n	1	n	2	1	1	n	n	n	n	1	n	n
51	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	1	n
56	n	3	1	2	2	2	3	n	1	1	4	4	4	4	4	4	n	2	5	2	2	2	2	6	n	n	4	2	2	4

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

Table D-20. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																														
	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	
35	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
36	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
37	2	n	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	
39	2	n	2	n	n	n	n	1	1	n	2	n	2	2	1	1	n	n	n	2	n	n	1	1	1	1	n	n	n	n	n
40	n	1	n	n	1	2	n	1	1	n	1	n	n	n	1	n	1	n	2	2	2	n	n	n	n	3	n	1	2	3	n
42	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	n	n	n	n	n	1	n	n	n	n	n	n
48	n	1	n	n	3	1	1	2	1	n	1	n	n	n	1	n	n	2	1	n	n	n	n	1	1	n	n	n	n	n	n
49	n	3	1	2	5	3	2	n	2	1	3	4	n	n	n	2	n	n	n	n	2	n	n	n	1	n	n	n	n	n	n
50	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
51	n	n	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
52	9	2	n	1	1	n	1	2	2	1	1	n	2	2	1	n	n	n	n	1	n	1	1	n	4	2	2	2	1	1	n
53	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
54	n	1	3	2	n	n	n	3	3	2	2	2	4	1	n	2	2	2	4	n	2	2	3	1	2	3	n	3	5	4	n
55	n	4	6	5	8	6	5	6	4	7	6	9	6	7	9	7	7	6	7	4	7	7	6	6	5	4	6	3	4	5	n
56	n	n	n	2	n	2	n	1	1	2	1	n	3	1	2	n	5	3	n	2	2	2	2	1	2	3	1	1	2	1	n

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

Table D-21. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																								
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25
15	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
21	1	3	n	n	1	n	2	1	n	2	n	2	n	n	n	n	1	n	n	2	n	1	n	n	n
22	2	2	n	n	n	n	1	2	2	n	2	n	3	1	2	n	2	1	n	1	1	n	1	1	n
24	5	6	5	4	3	6	2	3	2	3	2	4	4	3	2	4	3	2	2	1	n	3	n	3	2
25	n	4	11	1	2	8	n	3	6	11	1	n	6	8	9	5	7	8	3	4	6	8	6	4	6
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	5	15	n	n	3	14	n	n

Land Segment	Hypothetical Spill Location																								
	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37	S38	S39	S40	S41	S42	S43	S44	S45	S46	S47	S48	S49	S50
21	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n
22	n	n	3	2	n	n	n	1	2	3	1	1	1	n	n	2	n	n	2	n	1	n	n	1	n
23	n	n	n	n	n	1	n	n	2	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
24	2	2	1	4	3	5	2	2	4	3	3	2	2	2	2	3	4	2	2	3	2	2	2	5	3
25	4	3	1	n	3	3	7	5	n	2	5	4	5	6	5	1	2	2	5	4	2	5	n	2	3
26	3	9	n	n	n	2	3	11	n	n	n	1	5	/	/	n	n	n	n	2	9	10	n	n	n

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

Table D-21. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location																													
	S51	S52	S53	S54	S55	S56	S57	S58	S59	S60	S61	S62	S63	S64	S65	S66	S67	S68	S69	S70	S71	S72	S73	S74	S75					
21	1	n	n	n	n	n	2	n	n	n	n	n	n	1	n	n	n	n	2	n	n	1	n	n	n	n				
22	n	n	n	n	2	n	n	n	n	n	n	1	1	n	2	n	n	n	n	n	1	n	n	n	n	n				
23	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
24	4	1	1	2	2	4	3	3	4	1	n	2	1	2	1	2	3	n	2	3	2	2	2	2	2	1				
25	5	4	5	3	6	n	3	5	5	5	2	n	2	3	4	5	4	3	3	3	3	2	6	5	2					
26	2	4	5	11	n	3	2	4	11	9	13	n	1	3	3	3	9	10	2	2	3	5	11	10	12					
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2					
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2					

Land Segment	Hypothetical Spill Location																												
	S/6	S77	S78	S79	S80	S81	S82	S83	S84	S85	S86	S87	S88	S89	S90	S91	S92	S93	S94	S95	S96	S97	S98	S99	S100				
21	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n				
22	1	1	n	n	n	n	n	1	1	n	n	n	n	n	2	n	n	n	n	n	n	n	1	1	n				
23	n	n	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n				
24	2	2	2	2	n	n	n	3	3	1	2	2	n	n	3	4	2	3	2	n	1	1	4	3	1				
25	3	6	3	6	5	2	3	2	2	5	3	5	5	2	1	1	2	5	3	2	4	2	1	4	3				
26	1	2	3	/	11	8	n	1	2	4	6	7	7	2	2	2	3	3	5	8	6	n	3	2	4				
27	n	n	n	n	n	2	n	n	n	n	n	n	2	n	n	n	n	n	n	2	2	n	n	n	n				
28	n	n	n	n	n	3	5	n	n	n	2	n	2	3	n	n	n	n	n	n	3	n	n	n	1				
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1				

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

Table D-22. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																								
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25
19	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	3	n	n	2	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
26	5	4	/	3	5	4	2	3	6	9	n	1	3	2	4	1	n	3	3	n	n	2	n	n	n
27	n	n	n	n	n	1	n	1	n	2	n	1	1	n	3	1	n	1	6	1	n	5	3	1	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	1	2	n	n
41	n	n	3	1	2	2	n	n	2	3	n	n	2	1	1	n	2	4	4	n	2	3	5	1	2
42	1	n	1	n	1	n	n	n	2	2	n	n	1	1	1	n	3	1	1	n	n	2	1	2	n
48	n	1	n	n	1	n	n	n	3	1	n	1	1	n	n	1	3	n	n	1	2	n	n	1	n
49	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n
50	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n
54	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37	S38	S39	S40	S41	S42	S43	S44	S45	S46	S47	S48	S49	S50
26	1	2	1	n	n	1	1	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n
27	1	3	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	3	n	n	n
28	n	1	n	n	n	1	n	n	n	n	n	n	n	1	3	n	n	n	n	n	n	2	n	n	n
41	4	3	n	n	n	3	2	6	n	n	n	2	n	3	5	n	n	n	2	2	4	4	n	n	1
42	2	n	n	1	n	n	n	1	n	n	n	n	1	2	n	n	n	n	n	n	n	2	n	n	n
43	n	n	n	n	1	n	n	1	n	n	n	2	2	n	1	n	n	3	n	n	n	n	n	n	n
48	n	n	n	n	n	n	n	2	n	n	n	n	n	n	1	n	n	2	1	n	n	n	n	n	n
49	n	1	n	n	n	n	n	1	n	n	n	n	n	n	1	n	1	2	1	n	n	n	n	n	n
55	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
56	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table D-22. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location																								
	S51	S52	S53	S54	S55	S56	S57	S58	S59	S60	S61	S62	S63	S64	S65	S66	S67	S68	S69	S70	S71	S72	S73	S74	S75
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	1	n	n	2	1	n	1	n	1	n	n	2	n	n	n	1	2	n	n	n	n	n	n	1	n
27	n	n	n	1	n	n	n	n	n	n	6	n	n	n	n	n	1	n	n	n	n	n	n	n	n
28	n	n	n	1	n	n	n	n	n	2	2	n	n	n	n	n	1	n	n	n	n	n	1	n	2
41	n	2	3	2	n	n	n	2	4	3	4	n	n	n	1	1	4	4	n	n	n	n	4	3	3
42	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	1	n	1
48	n	1	1	1	1	n	1	n	1	n	1	n	n	n	n	2	2	n	n	n	2	n	n	n	1
49	n	n	n	n	n	n	1	n	n	2	n	n	n	n	n	n	1	1	n	n	n	n	n	2	n
50	n	n	1	n	n	1	n	1	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n
54	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
55	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n	n	n	1	n	n	n	n
56	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	S/6	S77	S78	S79	S80	S81	S82	S83	S84	S85	S86	S87	S88	S89	S90	S91	S92	S93	S94	S95	S96	S97	S98	S99	S100
26	n	n	n	1	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	1	2	3	n	n	n	n	n	n	3	n	n	n	n	n	n	2	n	n	n	n
41	n	n	2	3	4	6	4	n	n	2	2	2	4	1	n	n	n	2	4	3	5	n	n	1	2
42	n	n	n	1	2	n	2	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	2	n
48	n	n	3	n	1	1	n	n	n	2	n	n	n	1	n	1	2	n	2	2	n	2	n	1	n
49	n	n	1	2	n	n	n	n	n	n	n	2	2	n	n	n	n	2	n	n	2	2	1	n	n
50	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
55	n	n	n	n	1	n	n	1	1	2	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n

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

Table D-23. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the summer.

Land Segment	Hypothetical Spill Location																								
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25
24	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	3	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	5	8	10	6	6	6	5	7	8	9	3	4	3	5	4	n	1	n	2	n	n	n	n	n	n
27	1	3	4	2	n	3	2	2	2	4	5	1	3	4	6	4	6	/	15	2	4	4	11	n	n
28	2	n	n	n	n	2	1	n	n	n	n	1	2	1	2	2	2	2	2	3	2	2	4	n	2
41	4	2	n	3	1	2	2	2	3	n	2	3	4	2	2	4	3	1	1	3	5	/	2	/	/
42	1	n	n	n	n	n	n	n	1	n	1	n	n	2	1	2	n	n	n	n	n	2	n	2	n
48	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
54	n	n	n	n	n	n	n	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	n	n	n
55	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n
56	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1

Land Segment	Hypothetical Spill Location																								
	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37	S38	S39	S40	S41	S42	S43	S44	S45	S46	S47	S48	S49	S50
27	n	9	n	n	n	n	n	1	n	n	n	n	n	n	6	n	n	n	n	n	n	2	n	n	n
28	1	5	n	n	2	2	1	3	n	n	n	2	n	2	4	n	n	n	n	n	n	4	3	n	n
38	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
39	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
41	5	4	/	6	8	6	9	/	11	8	10	9	6	4	6	6	6	8	11	7	6	5	7	/	8
42	2	n	1	n	n	n	n	1	n	n	2	1	1	1	n	n	n	n	2	n	n	n	n	n	2
48	n	n	1	1	1	n	n	1	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	1	n
50	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
51	1	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
52	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n
54	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
55	1	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	n	n	n

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

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

Land Segment	Hypothetical Spill Location																										
	S51	S52	S53	S54	S55	S56	S57	S58	S59	S60	S61	S62	S63	S64	S65	S66	S67	S68	S69	S70	S71	S72	S73	S74	S75		
28	1	n	3	2	n	n	n	1	1	3	4	n	n	n	n	1	1	2	n	n	n	1	2	2	6		
38	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	1	n	n		
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	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	n	n	n	n	1		
41	6	7	5	6	4	7	7	9	6	7	3	4	7	8	9	6	11	9	9	11	9	9	7	7	5		
42	2	n	n	n	n	n	3	n	n	n	n	n	n	n	1	n	n	1	n	2	n	n	1	n	1		
43	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n		
48	n	n	1	n	n	n	n	n	n	n	1	n	n	1	1	n	n	n	n	1	n	n	n	n	n		
52	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
54	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n		
55	n	n	n	n	n	2	n	n	1	n	2	1	2	n	n	n	n	2	n	n	n	1	1	n	n		
56	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	1	n		

Land Segment	Hypothetical Spill Location																										
	S/6	S/7	S/8	S/9	S/80	S/81	S/82	S/83	S/84	S/85	S/86	S/87	S/88	S/89	S/90	S/91	S/92	S/93	S/94	S/95	S/96	S/97	S/98	S/99	S/100		
28	n	n	n	n	n	3	8	n	n	n	n	n	2	3	n	n	n	n	n	n	3	n	n	n	n		
38	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1		
39	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
40	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n		
41	7	9	8	11	9	7	1	7	8	8	10	8	7	5	5	9	9	8	9	12	9	9	7	9	11		
42	n	n	2	1	n	1	n	n	2	1	n	n	n	1	1	1	1	2	n	n	n	n	2	n	n		
43	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n		
48	n	n	n	n	n	n	n	n	1	n	1	n	n	n	1	n	n	1	n	n	1	n	n	1	n		
52	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n		
54	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
55	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n		
56	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	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.

Table D-24. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																								
	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21	S22	S23	S24	S25
23	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	2	2	7	1	3	5	2	2	4	5	1	2	3	4	4	n	4	4	7	1	1	1	3	n	1
27	3	4	2	3	3	4	1	2	2	4	3	3	2	3	3	5	2	5	5	4	4	6	3	1	2
28	1	2	2	1	3	1	n	2	2	2	2	n	3	2	n	1	2	n	2	3	2	n	2	3	2
55	n	n	n	1	n	n	n	1	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n

Land Segment	Hypothetical Spill Location																								
	S26	S27	S28	S29	S30	S31	S32	S33	S34	S35	S36	S37	S38	S39	S40	S41	S42	S43	S44	S45	S46	S47	S48	S49	S50
26	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n
27	6	4	1	1	3	5	3	6	2	2	2	4	2	4	7	n	n	2	1	3	5	7	1	n	1
28	2	n	n	2	n	3	n	4	n	1	n	2	3	4	3	n	1	2	n	n	3	4	n	1	1
48	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
49	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n
52	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n
55	2	2	2	n	n	1	n	n	1	1	n	1	n	2	n	n	2	1	1	1	n	n	1	1	n

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

Table D-24. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location																										
	S51	S52	S53	S54	S55	S56	S57	S58	S59	S60	S61	S62	S63	S64	S65	S66	S67	S68	S69	S70	S71	S72	S73	S74	S75		
27	2	2	3	5	n	n	n	1	3	3	4	n	n	n	n	1	2	2	2	n	n	n	n	1	1	n	
28	n	1	3	2	n	n	2	1	2	4	4	1	1	2	1	2	2	3	2	1	n	2	5	4	7		
41	n	1	n	n	n	n	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
49	n	n	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
54	n	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	
55	1	n	2	n	2	1	2	n	n	1	1	2	1	2	n	n	2	n	n	1	1	2	1	1	n	1	

Land Segment	Hypothetical Spill Location																										
	S/6	S77	S78	S79	S80	S81	S82	S83	S84	S85	S86	S87	S88	S89	S90	S91	S92	S93	S94	S95	S96	S97	S98	S99	S100		
28	1	2	1	2	4	5	11	2	2	1	1	3	5	8	n	n	3	n	2	3	2	n	n	n	n		
41	n	n	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	1		
48	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n		
49	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1		
54	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n		
55	n	2	2	1	1	n	2	3	n	2	2	n	2	n	4	3	2	2	2	n	n	1	4	2	n		
56	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		

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

Table D-25. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the winter.

Land Segment	Hypothetical Spill Location														
	S101	S102	S103	S104	S105	S106	S107	S108	S109	S110	S111	S112	S113	S114	S115
21	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n
22	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n
24	n	2	1	3	2	n	2	3	1	1	2	n	1	n	n
25	2	3	4	3	4	2	3	4	3	1	2	1	1	n	n
26	/	/	1	2	3	4	3	3	5	3	1	2	2	3	1
27	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n
28	n	2	n	n	n	n	n	1	4	n	1	3	11	21	

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

Table D-26: -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the spring.

Land Segment	Hypothetical Spill Location										
	S101	S102	S103	S104	S105	S106	S107	S108	S109	S110	S111
26	n	n	n	n	n	n	n	n	n	1	n
28	2	4	n	n	2	n	n	n	3	n	2
41	4	7	n	2	3	2	1	1	5	1	5
42	1	n	n	1	n	n	2	n	2	n	n
43	n	n	n	n	n	n	n	n	n	n	n
48	n	n	1	n	n	n	n	2	n	2	1
49	n	n	1	2	2	n	2	n	n	n	n
50	n	n	n	n	1	2	n	n	n	1	n
54	n	n	n	n	n	n	n	n	n	1	n
55	n	n	n	n	n	n	n	n	n	1	n
56	n	n	n	n	1	n	n	n	n	n	1

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

Table D-27. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the summer.

Land Segment	Hypothetical Spill Location														
	S101	S102	S103	S104	S105	S106	S107	S108	S109	S110	S111	S112	S113	S114	S115
28	n	2	n	n	n	n	n	n	n	n	n	n	n	n	8
38	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
39	n	n	n	n	n	n	1	1	n	n	n	n	1	n	n
41	8	8	10	8	8	9	7	9	9	7	6	10	8	9	5
42	2	n	3	2	1	1	3	1	n	1	1	3	1	n	n
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
48	n	n	n	n	n	n	1	n	1	n	n	1	n	n	n
50	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
56	n	n	n	n	n	1	n	n	2	n	n	n	n	n	n

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

Table D-28. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment during the fall.

Land Segment	Hypothetical Spill Location														
	S101	S102	S103	S104	S105	S106	S107	S108	S109	S110	S111	S112	S113	S114	S115
28	1	3	n	1	n	n	n	n	3	n	n	n	2	/	
37	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
48	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
49	1	1	n	n	1	n	n	n	1	n	n	n	1	n	n
51	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n
54	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
55	2	2	2	3	2	2	4	2	1	n	2	2	4	n	2

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

Appendix E

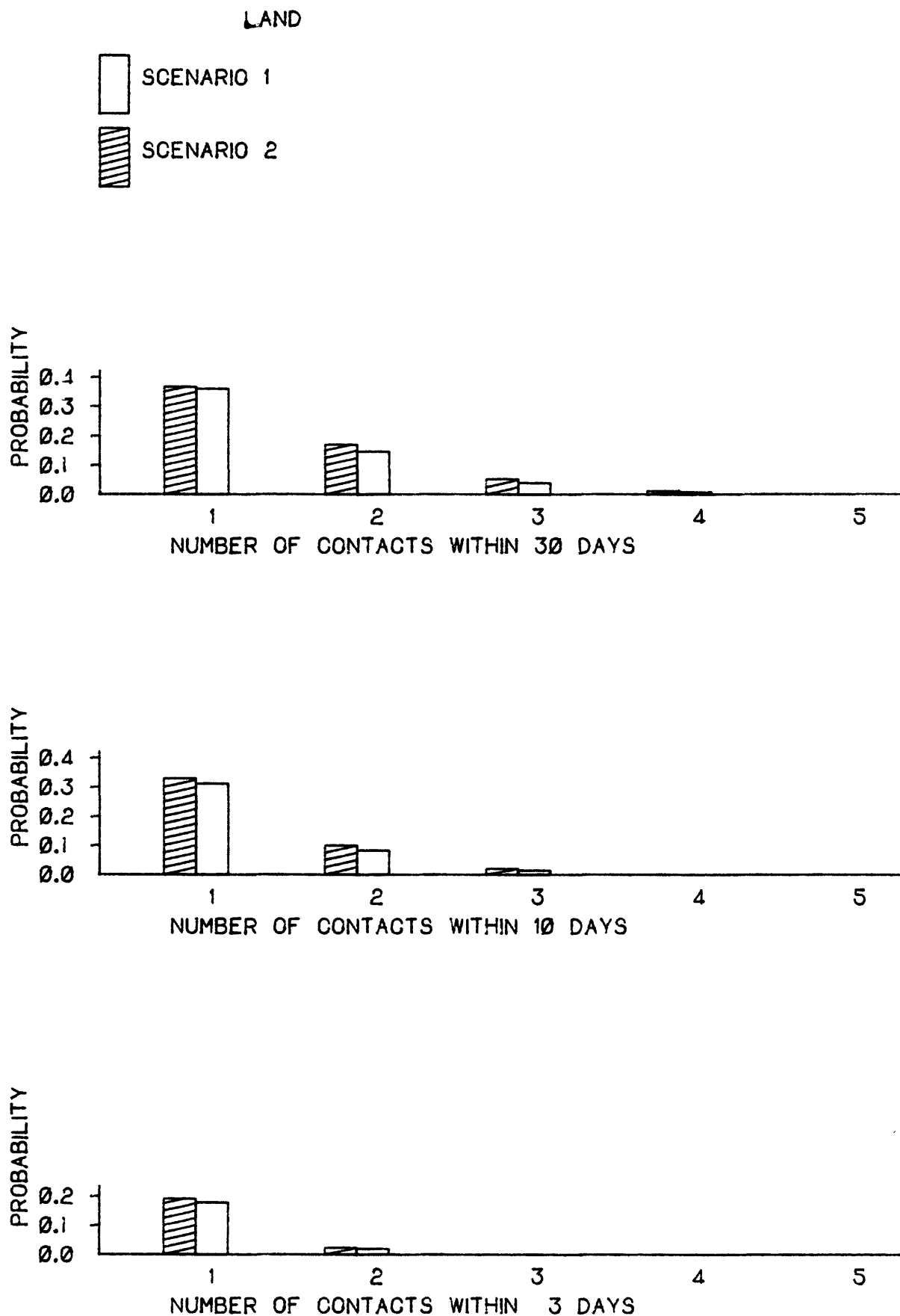


Figure E-1.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting land as a result of OCS Sale 68, scenario 1 and 2.

ANACAPA ISLAND

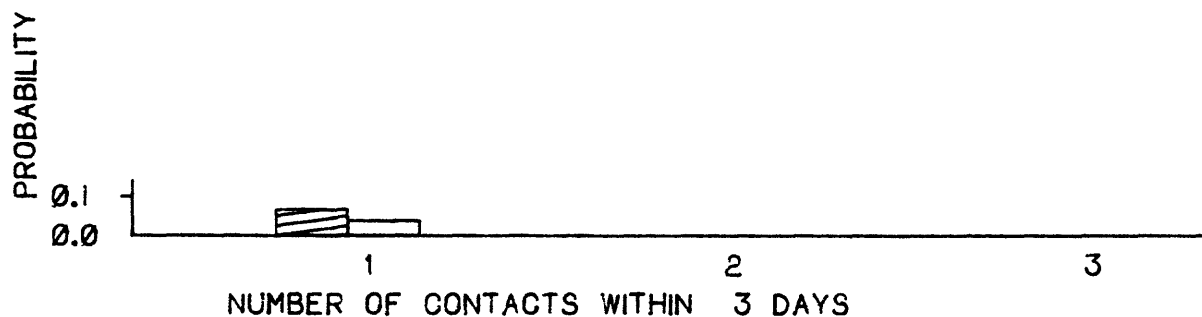
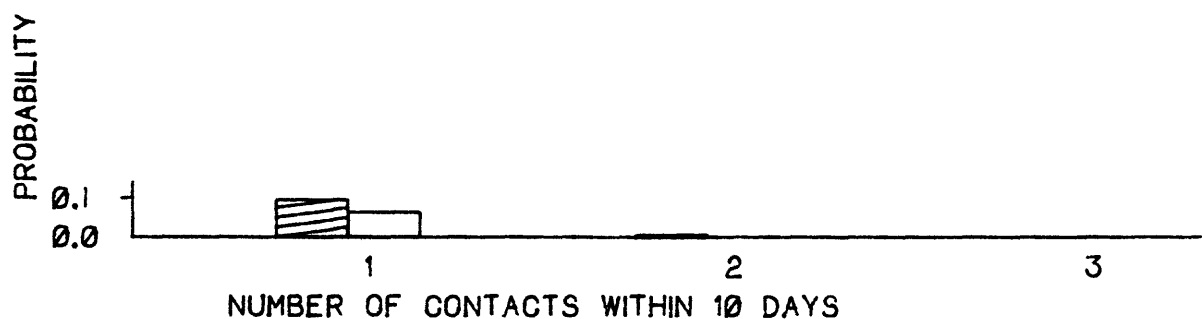
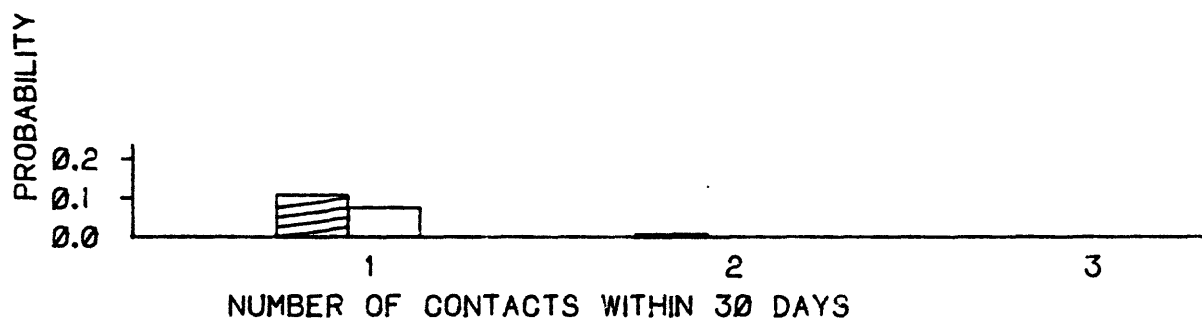
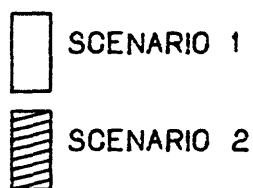


Figure E-2.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting Anacapa Island as a result of OCS Sale 68, scenario 1 and 2.

POINT LOMA

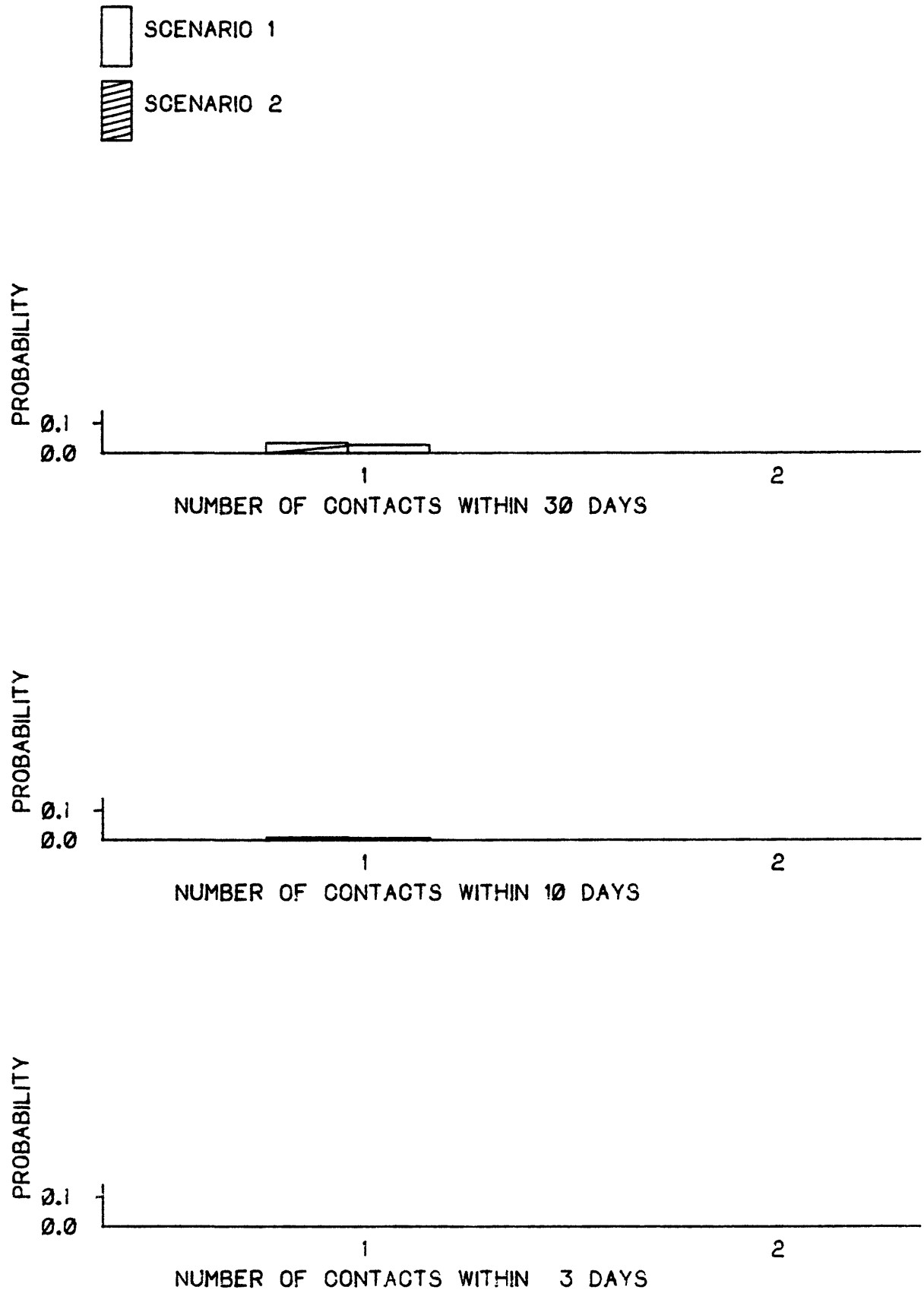


Figure E-3.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting Point Loma as a result of OCS Sale 68, scenario 1 and 2.

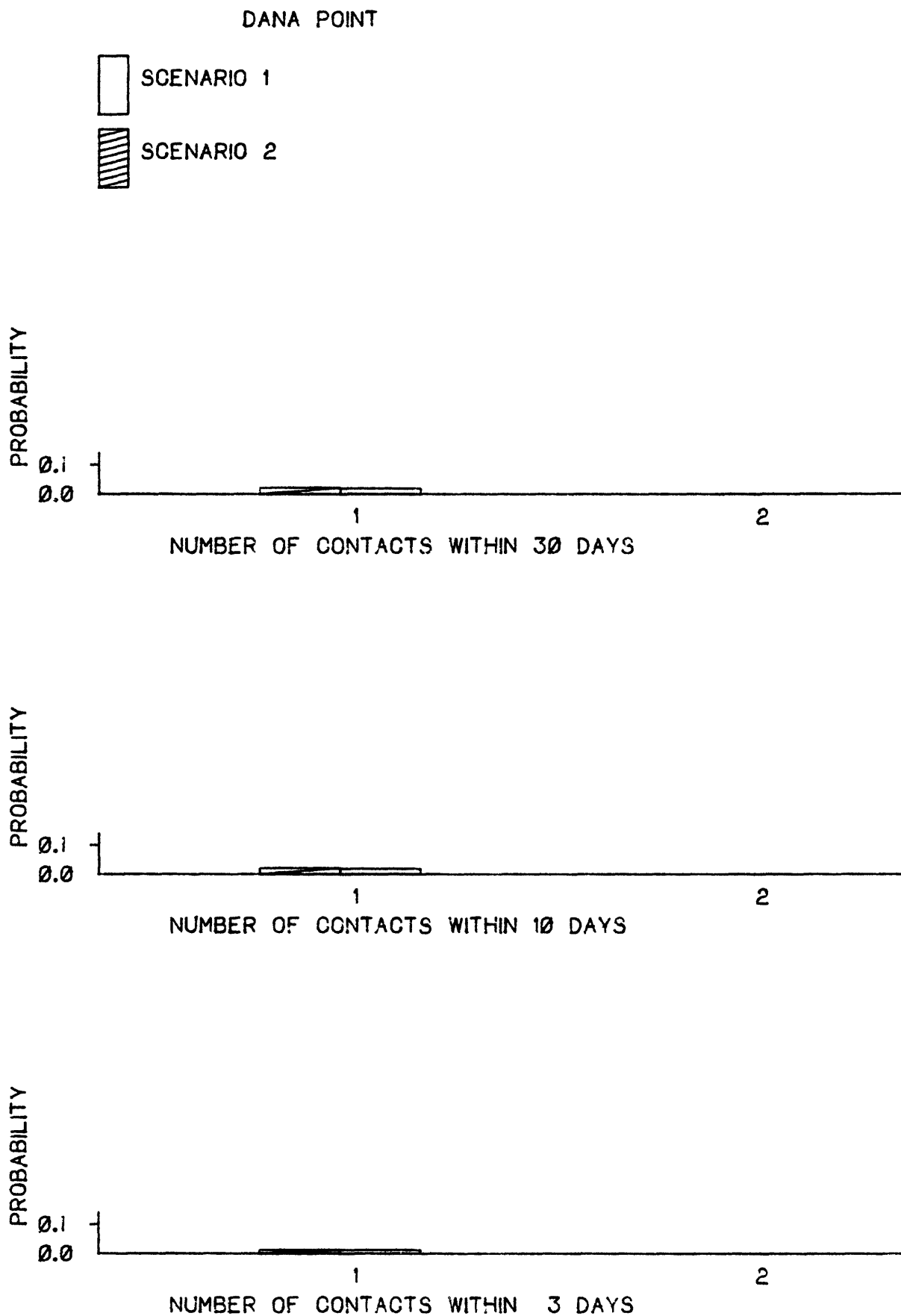


Figure E-4.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting Dana Point as a result of OCS Sale 68, scenario 1 and 2.

LONG BEACH

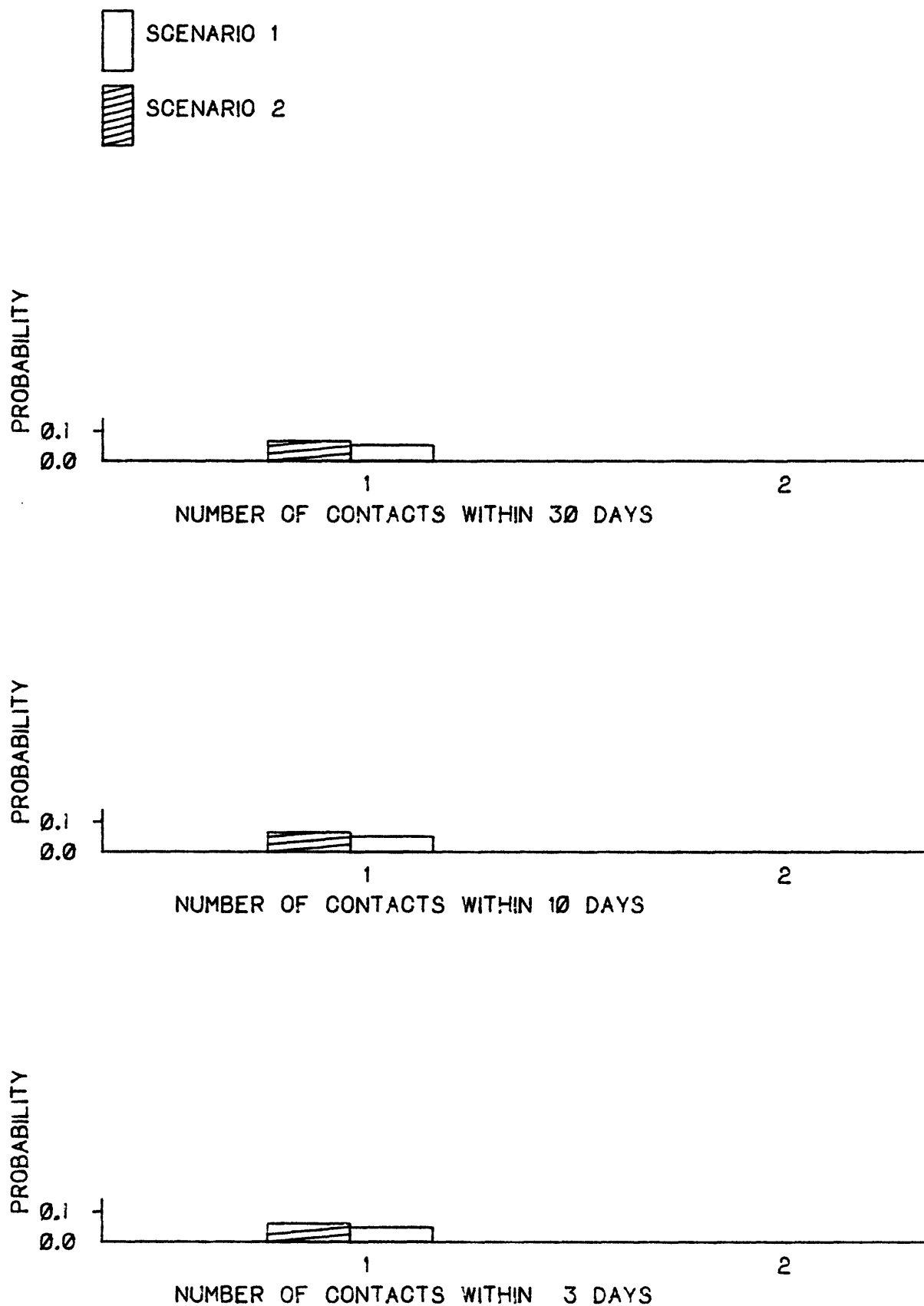


Figure E-5.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting Long Beach as a result of OCS Sale 68, scenario 1 and 2.

TANNER BANK

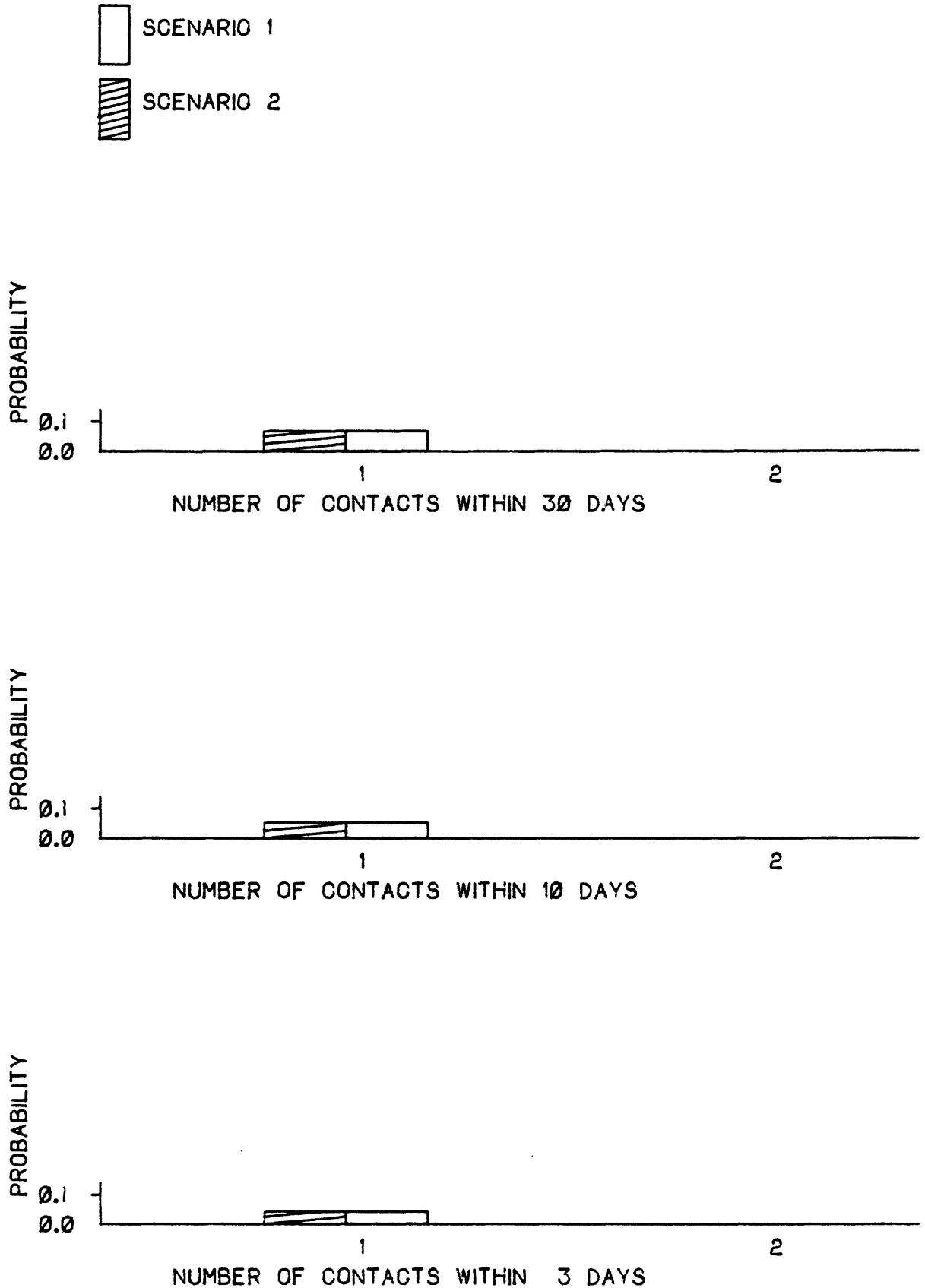


Figure E-6.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting Tanner Bank as a result of OCS Sale 68, scenario 1 and 2.

CORTEZ BANK

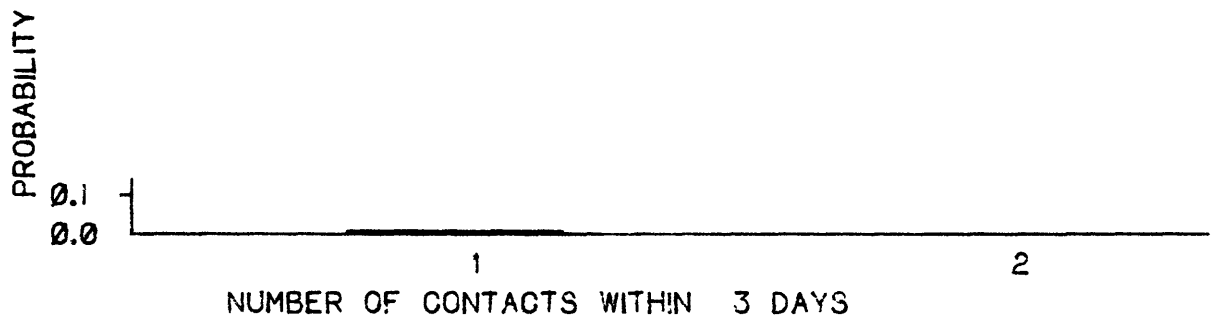
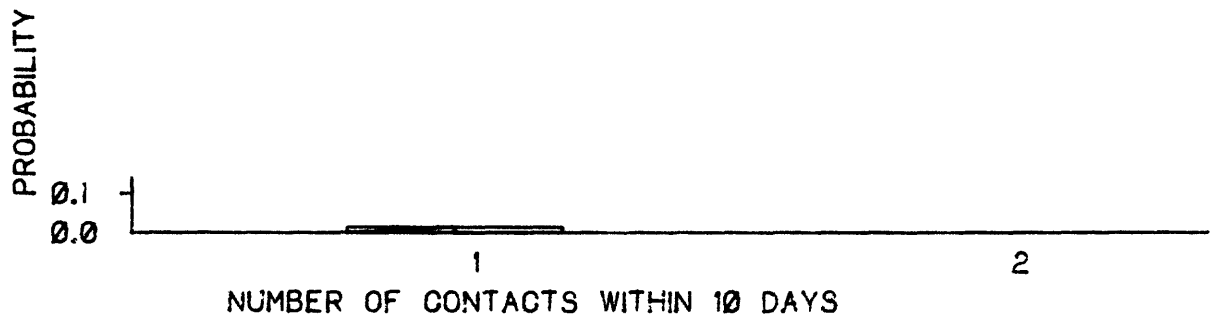
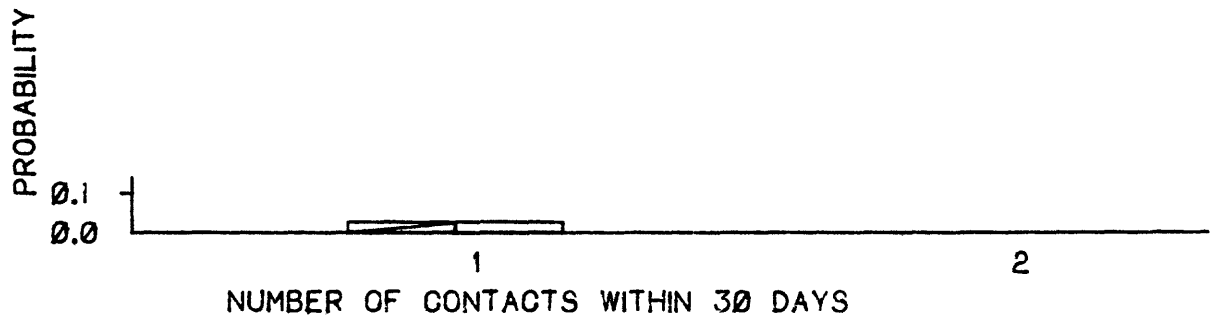
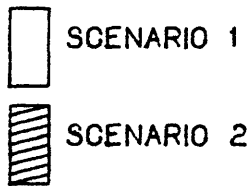


Figure E-7.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting Cortez Bank as a result of OCS Sale 68, scenario 1 and 2.

MARINE SANCTUARY

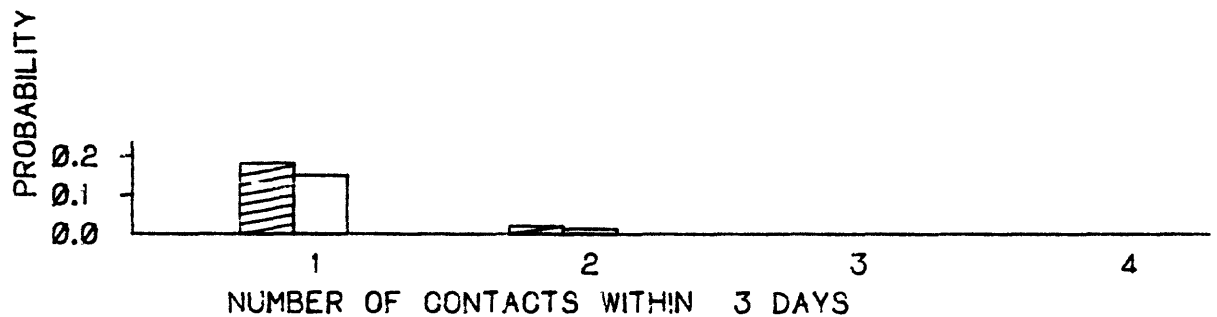
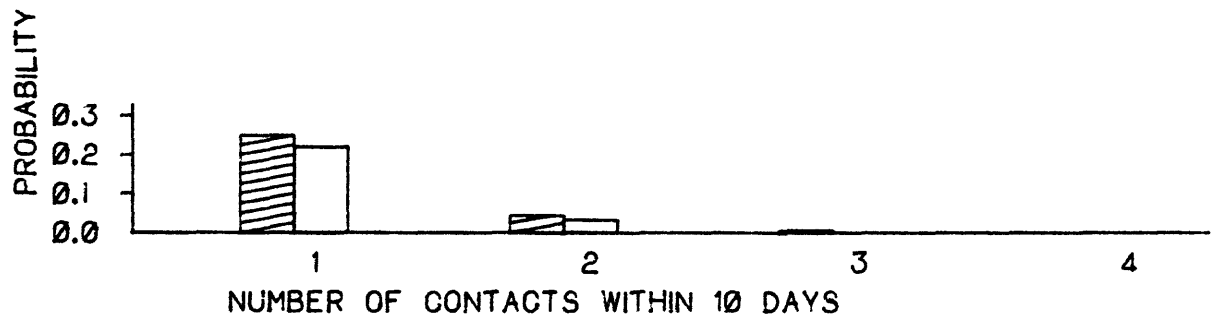
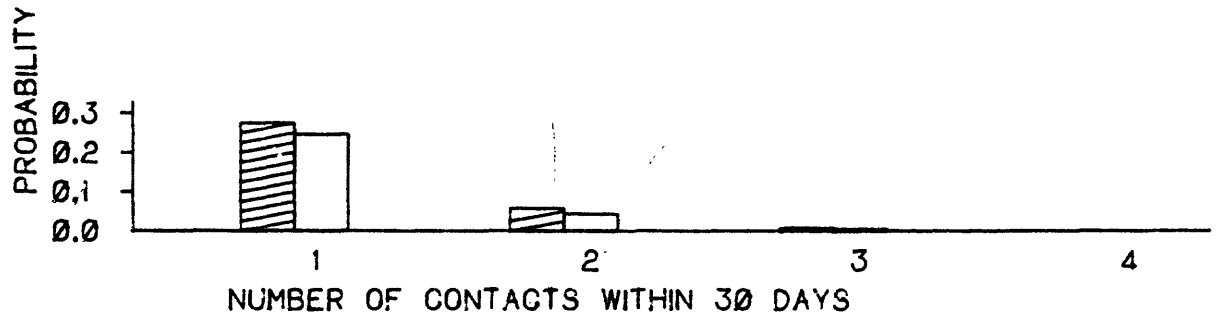
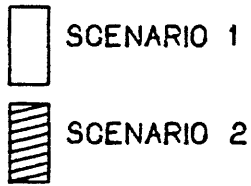


Figure E-8.--Histograms showing the probabilities of specific numbers of oilspills occurring and contacting the Marine Sanctuary as a result of OCS Sale 68, scenario 1 and 2.

Appendix F

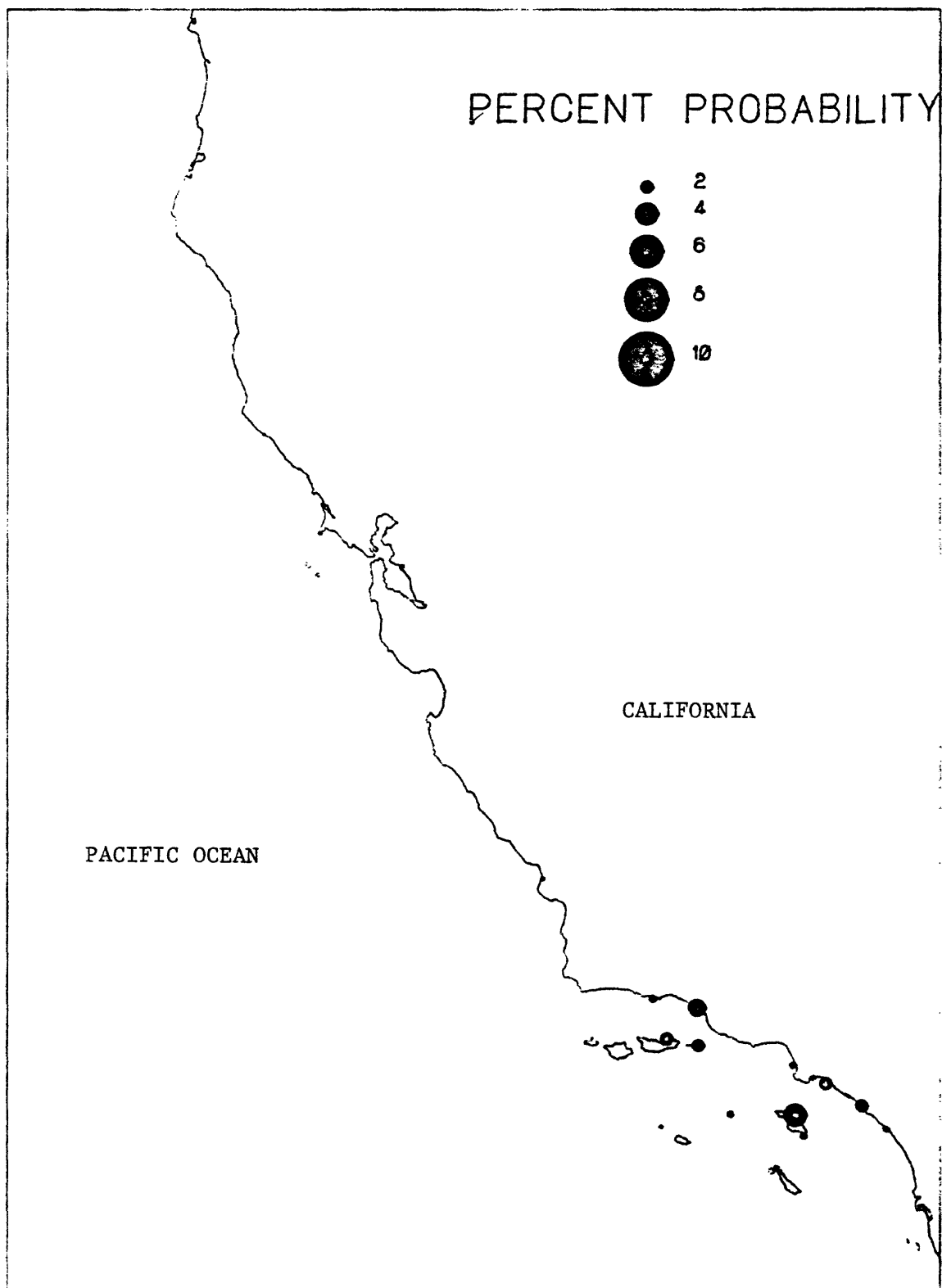


Figure F-1.--Map showing the probability (expressed as percent chance) of one or more spills occurring and contacting sections of the coastline for 3 day travel time (scenario 1).

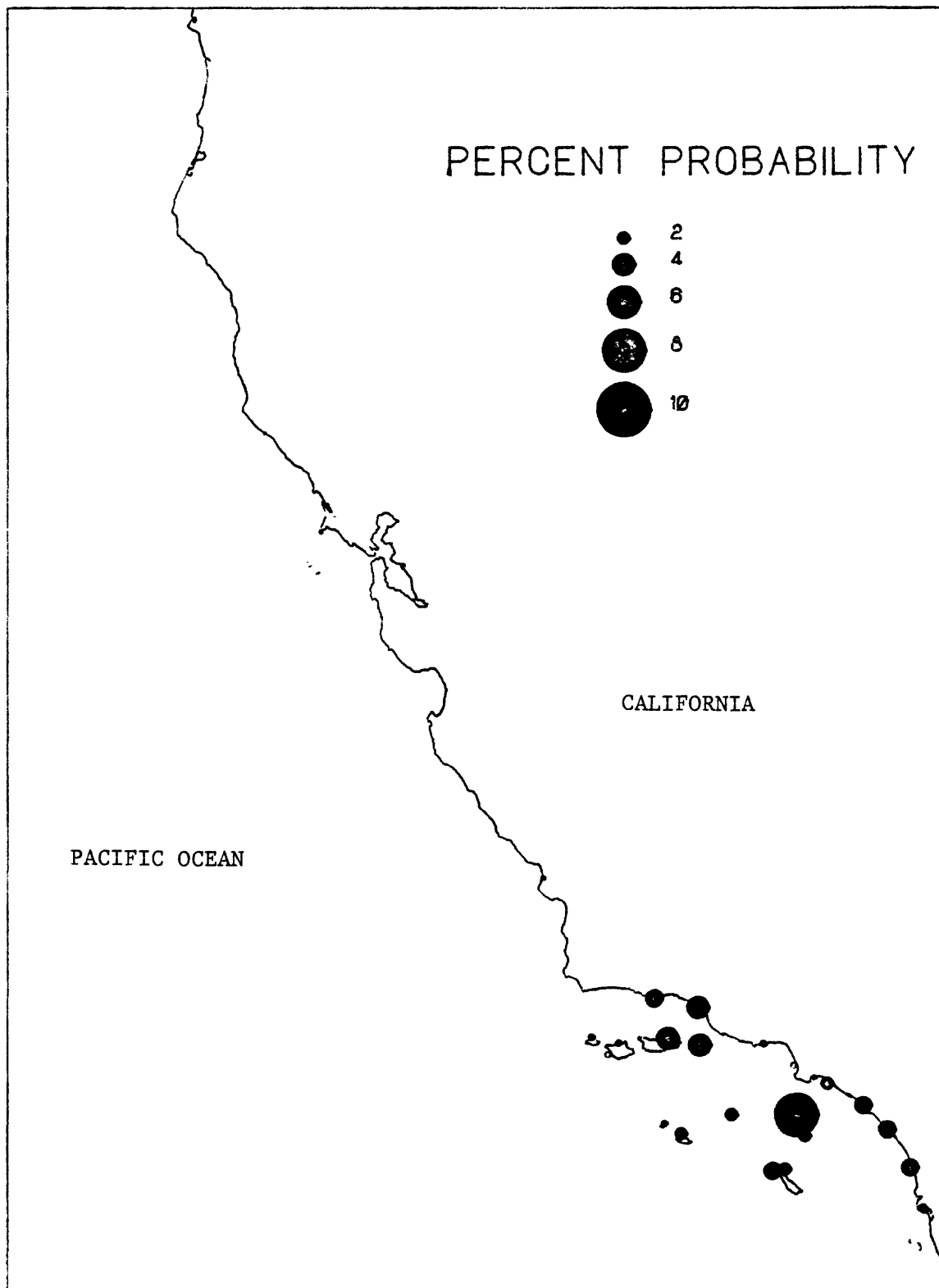


Figure F-2.--Map showing the probability (expressed as percent chance) of one or more spills occurring and contacting sections of the coastline for 10 day travel time (scenario 1).

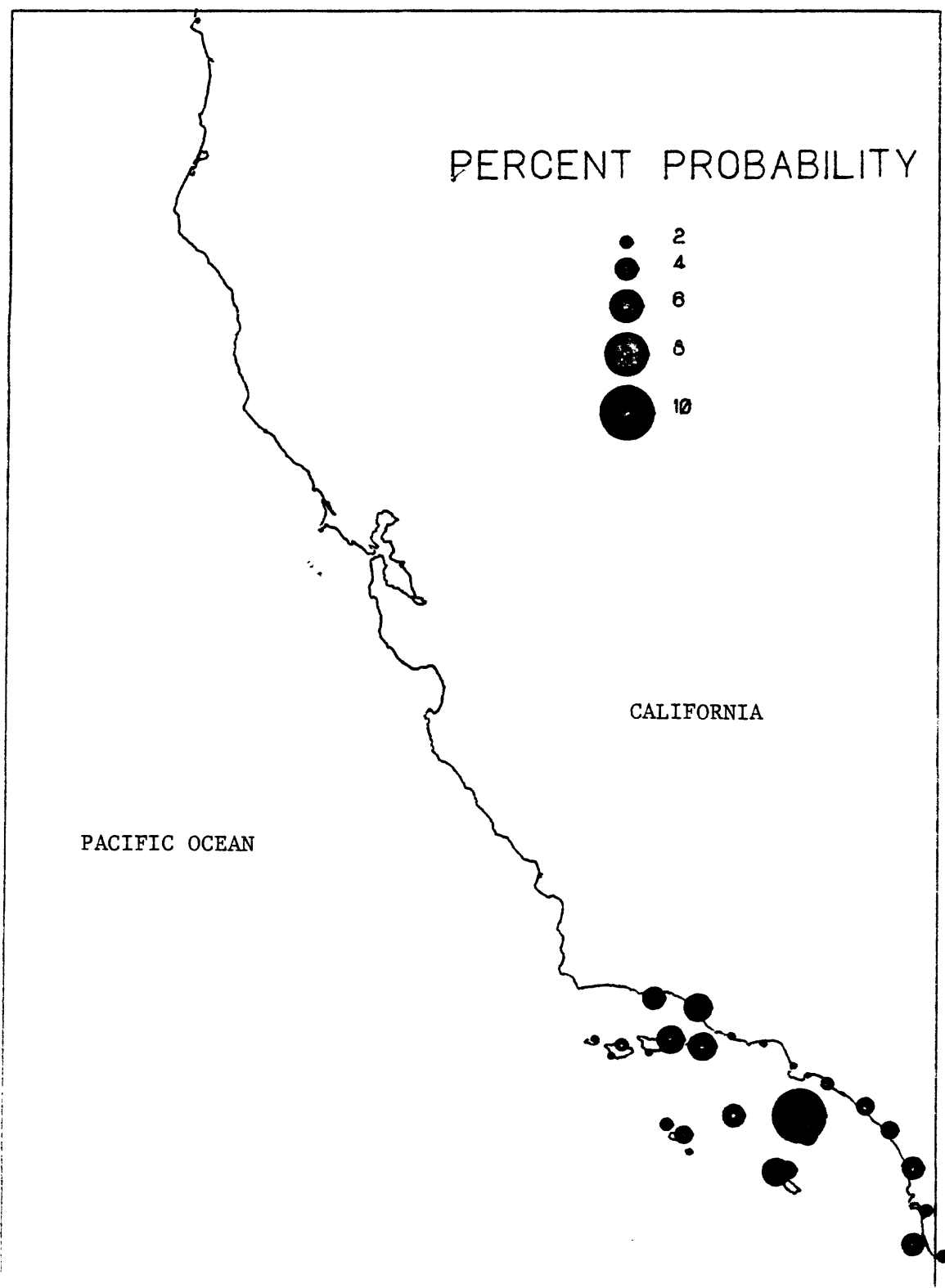


Figure F-3.--Map showing the probability (expressed as percent chance) of one or more spills occurring and contacting sections of the coastline for 30 day travel time (scenario 1).

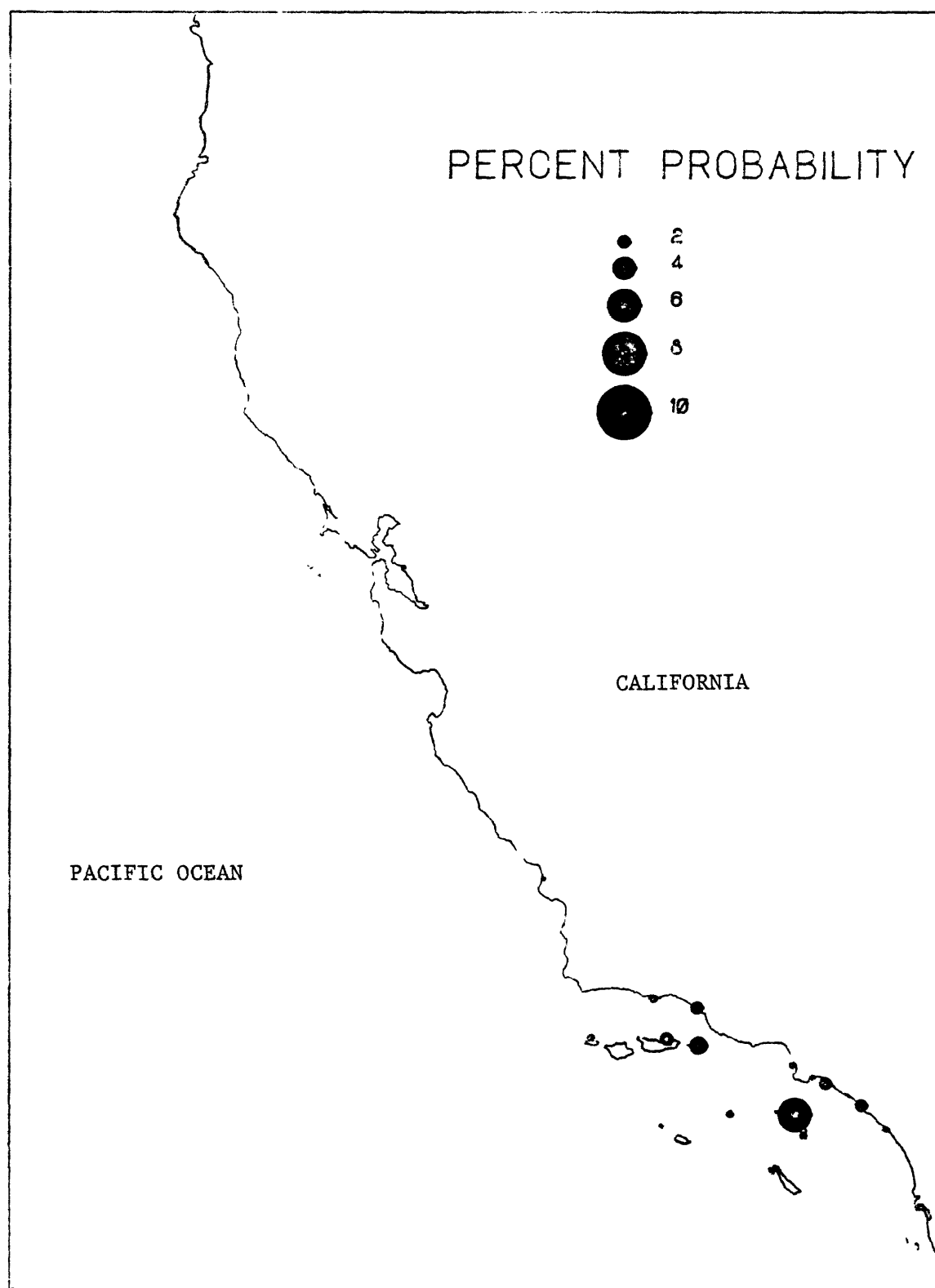


Figure F-4.--Map showing the probability (expressed as percent chance) of one or more spills occurring and contacting sections of the coastline for 3 day travel time (scenario 2).

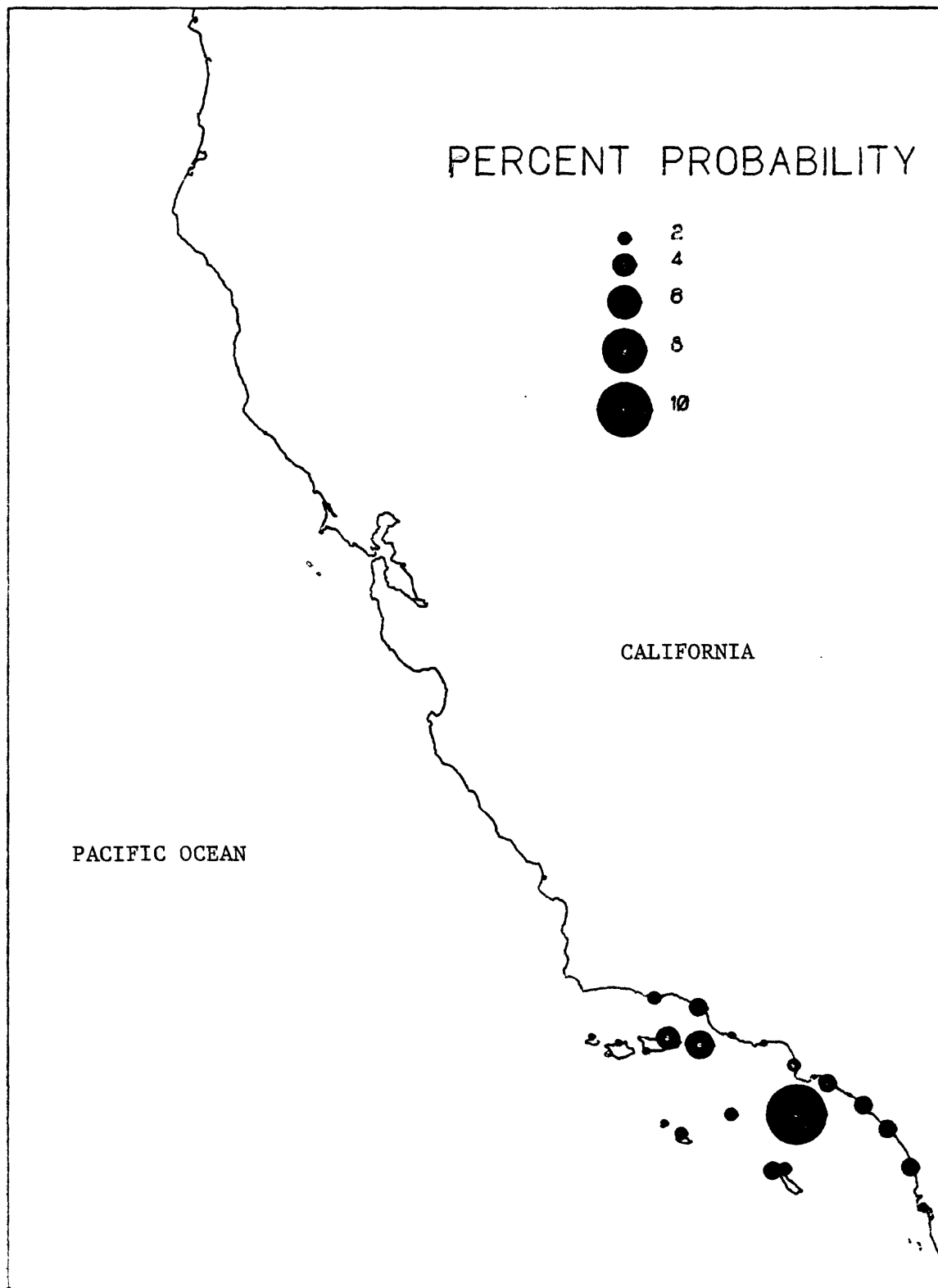


Figure F-5.--Map showing the probability (expressed as percent chance) of one or more spills occurring and contacting sections of the coastline for 10 day travel time (scenario 2).

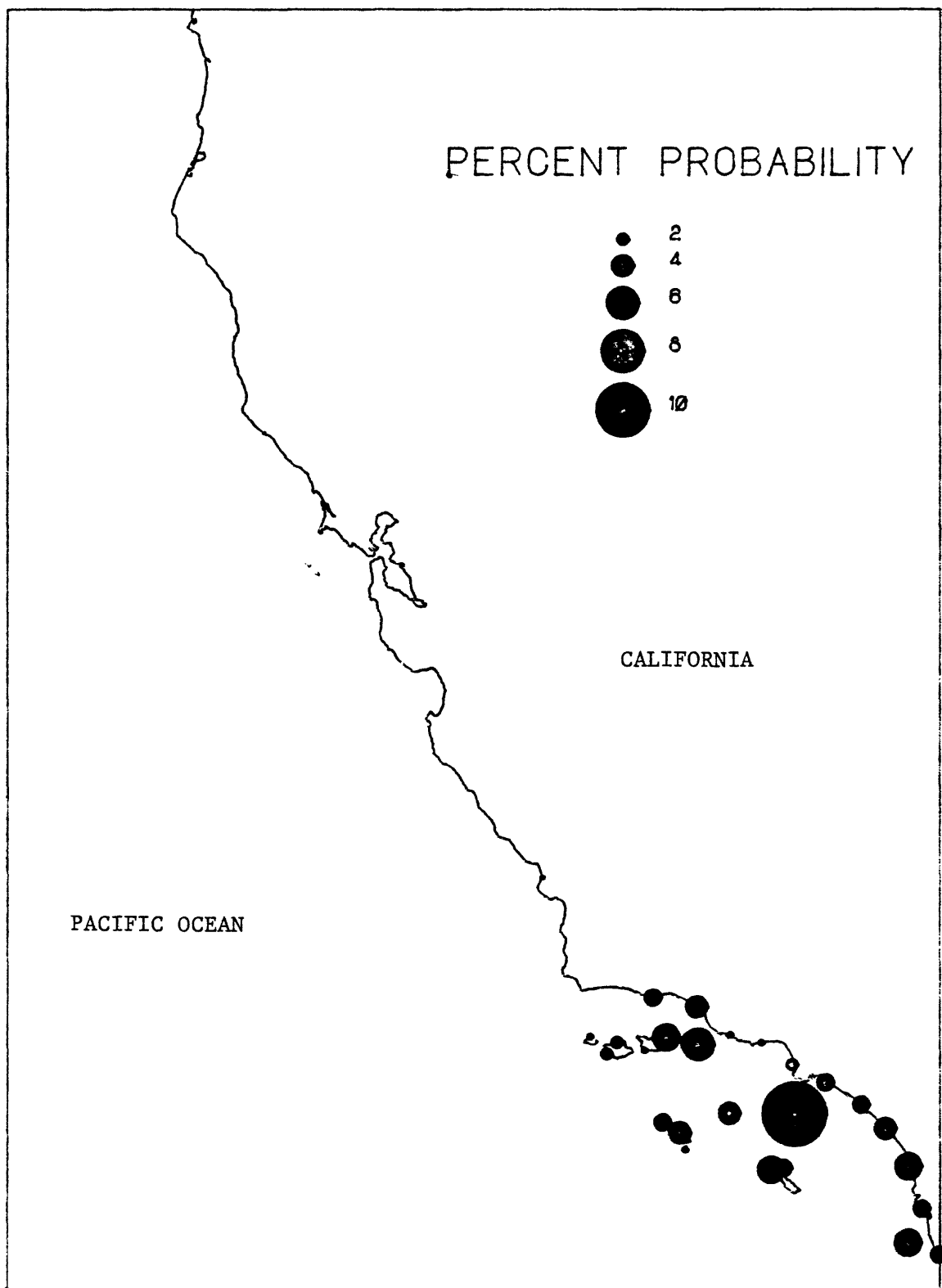


Figure F-6.--Map showing the probability (expressed as percent chance) of one or more spills occurring and contacting sections of the coastline for 30 day travel time (scenario 2).