UNITED STATES DEPARTMENT OF THE INTERIOR
MINERALS MANAGEMENT SERVICE

AN OILSPILL RISK ANALYSIS FOR THE SOUTHERN CALIFORNIA LEASE OFFERING (February 1984)

by Robert P. LaBelle, Kenneth J. Lanfear,
A. Doreen Banks, and Robert M. Karpas

Minerals Management Service
Environmental Modeling Group

U.S. GEOLOGICAL SURVEY
OPEN-FILE REPORT #83-563

July 1983

Contents

Introduction

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

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

This report summarizes results of an oilspill-risk analysis conducted for the proposed Southern California Lease Offering (February 1984). The study had the objective of determining relative risks associated with oil and gas production in different regions of the proposed lease area. The study was undertaken for consideration in the draft Environmental Impact Statement (EIS), which is prepared for the area by the Minerals Management Service (MMS), and to aid in the final selection of tracts to be offered for sale. A description of the oilspill trajectory analysis model used in this analysis can be found in previous papers (Lanfear and others, 1979; Smith and others,1982; Lanfear and Samuels, 1981). The analysis was conducted in three parts corresponding to different aspects of the overall problem. The first part dealt with the probability of oilspill occurrence, and the second dealt with the trajectories of oilspills from potential launch points to various targets. Results of the first two parts of the analysis were then combined to give estimates of the overall oilspill risk associated with oil and gas production in the lease area.

Summary of the Proposed Action

The proposed action is to offer for lease 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 27.7 degrees N. to 38.3 degrees N., and from longitude 114 degrees W. to 126 degrees W. (figure 1). The study area also includes existing Federal and State leases in the Southern California Bight and Federal leases in the Santa Maria Basin.

For purposes of this analysis, the leasing area was divided into the 76 proposed leasing areas shown numbered in figure 2. The 27 existing Federal lease tract groups in the study area are shown in figure 3, and 8 existing State lease areas are shown in figure 4.

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

Anticipated Transportation Routes - The transportation networks described here are MMS estimates of what may occur from the development of resources found as a result of the proposed lease offering. There are two levels of resource estimates upon which the analyses were based, the "most likely" and "conditional mean", and subsequently there are two transportation scenarios.

It must be noted that the transportation schemes are "best guesses" of what may happen. They do not represent MMS recommendations for any sites, routes, or number of platforms. The schemes are based upon the best available information and consider the proposals anticipated from the oil industry, as well as municipal and county requirements. In the final analysis, many factors that are presently unknown or little known, must be considered. These factors include, in addition to environmental, State, and local concerns, the questions: Will oil actually be discovered? How much oil will be found? Where will it be found? What will be the nature (chemical properties) of the discovered oil (dictating where it can be refined and how transported)? What will be the cost of oil on the world market at the time of discovery (determining how much, if any, is economically recoverable)? What will be the relative transportation costs of oil at the time of discovery, production, and during the life of the newly discovered fields? And how will industry technology and economics change during the life of the fields? These are important questions that cannot be presently answered, but will ultimately determine the extent of development and the specific transportation schemes used.

If the amount of oil estimated for the most likely case is found and developed, it is anticipated that the oil from the western and central Santa Barbara Channel (proposed lease areas P1-P4) will come ashore via pipeline at Las Flores Canyon. At Las Flores Canyon, 75% of the oil will be moved by onshore pipelines to Los Angeles Basin refineries, and 25% will be tankered out of the study area to the Gulf of Mexico. Oil from the eastern channel (areas P5-P6) will come ashore by pipline to Carpenteria, and then be moved by onshore pipeline to Los Angeles Basin refineries. The oil from the northern Inner Banks (areas P7-9, P69, P70) will go ashore by pipeline to EL Segundo, where it will be transported by onshore pipelines to Los Angeles Basin refineries. The oil from the central and southern Inner Banks (areas P10-15, P71-75) will be brought ashore by tanker to Los Angeles/Long Beach Port, where it will be piped to Los Angeles Basin refineries. The oil from the Outer Banks and Basins (areas P16-68, P76) will be tankered ashore to Los Angeles/Long Beach Port, and then piped to Los Angeles Basin refineries.

If the amount of oil estimated for the conditional mean case (representing the total development of the lease offering area) is found and developed, it is anticiated that the oil from the western Santa Barbara Channel (areas P1-P4) will be piped ashore to Las Flores Canyon. Seventy-five percent of this oil will then be transported to Los Angeles Basin refineries by onshore pipeline, the remaining 25% will be tankered out of the study area to Gulf of Mexico refineries. The oil from the central channel (area P5) will be piped to Carpenteria and then moved by onshore pipeline to Los Angeles Basin refineries. The oil from the eastern channel (area P6) will be piped ashore near Oxnard and then carried by onshore pipline to Los Angeles Basin refineries. Oil from the northern Inner Banks (areas P7-P9, P69, P70) will be moved by pipeline, coming ashore near El Segundo and then piped by onshore pipeline to Los Angeles Basin refineries. All oil from the central and southern Inner Banks (areas P10-P15, P71-P75) will be piped to a central platform and then tankered ashore to Los Angeles/Long Beach Port, where it will then be transported by onshore pipelines to Los Angeles Basin refineries. The oil from the Outer Banks and Basins (areas P16-68, P76) will be transported by pipelines and tankers to Los Angeles/Long Beach Port and then transported via onshore pipelines to Los Angeles Basin refineries.

The transportation routes shown in figures 5 and 5a are also used to move oil from existing leases to shore, and for importing crude oil to San Francisco and Los Angeles refineries.

Environmental Resources

The locations of 31 categories of environmental resources (or targets, as they are designated in this paper) were digitized in the same coordinate system, or base map, as that used in trajectory simulations. Targets were selected by MMS analysts in the Pacific OCS Region Office, who prepare the EIS. Maps showing

the digitized targets are shown in appendix A, figures A-1 to A-6. The monthly sensitivities of these targets were also recorded so that, for example, a target such as migrating birds could be contacted by simulated oilspills only when the birds would be in the area. All targets are considered to be vulnerable year round unless otherwise indicated and are listed below:

Northern Channel Islands Marine Sanctuary (northern Islands)
Southern Channel Islands Marine Sanctuary (Santa Barbara)
Channel Islands Marine Sanctuary (combined)
Sea Otter Range (north)
Sea Otter Range (south)
Sea Otter Range (combined)
Santa Monica Bay
San Nicolas Island
Begg Rock
Northern Anacapa Island (vulnerable March through August)
San Miguel Island
Least Tern Colonies (combined) (vulnerable February through June)
Least Tern Colony #1 (vulnerable February through June)
Least Tern Colony #2 (vulnerable February through June)
Least Tern Colony #3 (vulnerable February through June)
Least Tern Colony #4 (vulnerable February through June)
Northern Offshore Feeding Area
Southern Offshore Feeding Area
Anacapa Island
Santa Barbara Island
Coronados Islands
Guadalupe Island
Farallon Islands
Baja Islands
Coastal Feeding Area #1
Coastal Feeding Area #2
Coastal Feeding Area #3
Coastal Feeding Area #4
Coastal Feeding Area #5
Coastal Feeding Area #6
Coastal Feeding Area #7

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 contact, with the target 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 57 segments of approximately equal lengths.

Estimated Quantity of Oil Resources

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

The estimated oil resources used for oilspill risk calculations in this report correspond to those used by MMS in preparing the draft EIS for the lease offering. If oil is present in the proposal area, a conditional mean resource of 1.13 billion barrels is estimated (Bird, 1983). This volume is an estimate of the total undiscovered recoverable oil, given that hydrocarbons are indeed present, and excluding State waters, previously leased tracts, and other areas excluded from the proposal. The "most likely" volume estimate used in this analysis is the percentage of the conditional mean expected to be leased and developed as a result of the proposed lease offering. This estimate is 0.27 billion barrels. We cannot overemphasize that these estimates are based on the assumption that oil is present. If it is not present (then, obviously), no oilspill risks exist from the proposed lease offering. The remainder of this analysis is designed to answer the question, "What are the risks if oil is found?"

The conditional mean resource estimates for existing leased tracts are 2.3 billion barrels for Federal leases (Bird, 1983) and 690 million barrels for State leases (Dedrick, 1983).

In addition to the crude oil estimated to be produced over the 25-year expected life of the proposed leases, MMS estimates that 5.3 billion barrels of crude oil will be imported into the region by tankers from outside sources (including 4.4 billion barrels from Alaska).

Probability of Oilspills Occurring

The probability of oilspills occurring (given that oil is present) is based on the assumption that spills occur independently of each other as a Poisson process and with a rate derived from past OCS experience and dependent upon the volume of oil produced and transported. All types of accidental spills of 1,000 barrels or larger were considered in this analysis, including not only well blowouts, but also other accidents on platforms, transportation of oil to shore, and, in some cases, further transportation from an intermediate terminus to

refineries. These types of accidents were classified as either platform, pipeline, or tanker spills. By including all of these risks, the risks of the proposal can be compared to those of the other alternatives.

Lanfear and Amstutz (1983) examined oilspill occurrence rates applicable to the U.S. OCS. Basing their results upon new, more recent, and more complete data bases than were available for earlier OSTA models, they recommended updated spill rates for pipeline spills and some significant changes in the spill rates for platforms and tankers. This analysis uses the new spill rates for all accident categories.

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

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

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

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

	≥1,000 bbl	≥10,000 bbl	1,000-10,000 bbl
Platforms	1.0	0.44	0.56
Pipelines	1.6	0.67	0.93
Tankers	1.3	0.65	0.65

Oilspill occurrence estimates for spills greater than 1,000 barrels (Table 1), from 1,000 to 10,000 barrels (Table 1a), and for greater than 10,000 barrels (Table 1b) were calculated for production and transportation of oil over the 25-year expected production life of proposed leases. Similar estimates were also calculated for production and transportation of oil from existing leases and for transportation of oil imported from other areas by tanker. The assumption was made that only one-half of the spills from tanker transportation of imported oil would occur within the study area and that the other half of the spills would occur outside the study area. Tables 1, 1a, and 1b show the "expected number" (or mean number) of spills estimated to occur in the study area over the expected production life of the lease area, along with the probabilities of one of more spills occurring.

Oilspill Trajectory Simulations

The trajectory simulation portion of the model consists of a large number of hypothetical oilspill trajectories that collectively represent both the general trend and the variability of winds and currents and that can be described in statistical terms. Representations of the seasonal surface-water velocity fields were provided by Dynalysis of Princeton, Princeton, N.J., who used their characteristic tracing model (Kantha and others, 1982). Basically, this model utilizes the geostrophic approximation to the governing equations of fluid motion in rotating coordinates.

Short-term patterns in wind variability were characterized by seasonal 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. The elements of this matrix are the probabilities, expressed as percent chance, that a particular wind velocity will be succeeded by another wind velocity in the next time step in a given season. If the present state of the wind is given, then the next wind state is derived by random sampling according to the percentages given in the appropriate row of the matrix. Seasonal wind-transition matrices were calculated from the U.S. Weather Service records from Vandenberg

(station number 93214); San Nicolas Island (station number 93116); S.E. Farallons (station number F72495); Point Mugu (station number 93111), and San Diego (station number 93112), California. The study area was divided into zones so that a simulated oilspill would, depending upon its location, be directed according to the matrix of the appropriate wind station.

For each of the four seasons, five hundred hypothetical oilspill trajectories were simulated in Monte Carlo fashion from each of the 76 proposed leasing areas shown in figure 2 (P1-P76); from each of the 27 existing Federal lease tract groups shown in figure 3 (E1-E27); from each of the existing State lease areas shown in Figure 4 (S1-S8); and from each of 68 locations along the transportation network (L1-L24 and T1-T44, figures 5, 5a). Each potential spill source was represented as either a single point, a straight-line with the potential spill sources uniformly distributed along the line (for example, a transportation route), or as an area (for example, the potential spill sources uniformly distributed within the area). Surface transport of the oil slick for each spill was simulated as a series of straight-line displacements of a point under the joint influence of winds and currents in 3-hour increments. The assumptions used are as follows: (1) the effects of wind and currents act independently; (2) only a fraction of the velocity of the wind, as a result of surface shear stress, is imparted to the body of oil; and (3) the direction of oilspill motion induced by the wind is at some angle to the direction of the wind (a result of the combined effects of Ekman, Langmuir, and Stokes drifts). The seasonal wind-transition probability matrix was randomly sampled each 3-hour period for a new wind speed and direction, and the current velocity was updated as the spill changed location or the simulated month changed. The wind-drift factor was taken to be 0.035 with a variable drift angle ranging from 0 to 25 degrees clockwise. The drift angle was computed as a function of wind speed according to the formula in Samuels and others (1982); (the drift angle is inversely related to wind speed). As the simulated oilspill was moved, any contacts with one or more targets were recorded. Spill movement continued until the spill hit land, moved off the map, or aged more than 30 days.

The trajectories simulated by the model represent only hypothetical pathways of oil slicks and do not involve any direct consideration of cleanup, dispersion, or weathering processes 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, 10, and 30 days, to represent implicit measures of oil weathering, as well as matters relating to containment and cleanup.

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

$$s = SQRT(p(1-p)/N)$$

where N = number of trials. The shape of this distribution approximates the normal curve. For practical purposes, the Monte Carlo error is insignificant when N = 2,000, as in this analysis.

The probability that, if an oilspill occurs at a certain location, or launch point, it will contact a specific target within a given time of-travel (under the circumstances described above) is termed a conditional probability, because it is conditioned on oilspill occurrence. Each entry in tables 2, 3, and 4 represents the probability (expressed as percent chance) that, if a spill occurs at certain launch point, it will contact a particular target within 3, 10, or 30 days, respectively. Tables 5, 6, and 7 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.)

The conditional probabilities shown in tables 2 through 7 represent combined results of seasonal trajectories, as previously described. Conditional probabilities calculated from trajectories simulated in each season are presented in appendix B. Thus, tables B-1 through B-4 are each based on 500 simulations per launch point, and if combined give the year-round conditional probabilities shown in table 4 (which are based on 2,000 simulations per launch point). Appendix B presents such results for proposed areas P1-P76 for 30-day contacts to targets and land segments. For land segments, combining tables B5 through B8 gives the year-round probabilities shown in table 7.

Combined Analysis of Oilspill Occurrence and Oilspill Trajectory Simulations

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

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

(2) Spill occurrence can be represented by another matrix [S]. With nl launch points and ns production sites; the dimensions of [S] are nl x ns. Let each element $s(j,k)$ be the expected number of spills occurring at launch point j due to production of a unit volume of oil at site k. These spills result from either

production or transportation. The $s(j,k)$ can be determined as functions of the volume of oil (spills per billion barrels). Each column of [S] corresponds to one production site and one transportation route. If alternative and mutually exclusive transportation routes are considered for the same production site, they can be represented by additional columns of [S], effectively increasing ns.

Define matrix [U] as:

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

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

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

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

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

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

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

A critical difference exists between the conditional probabilities calulated in the previous section and the overall probabilities calulated 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, depend not only on the physical conditions, but also on the course of action chosen by

the decisionmaker; that is, choosing to sell or not to sell the lease tracts. The overall probabilities for this analysis are presented in the following tables:

Tables 8 and 9 compare the probabilities of one or more oilspills (greater than 1,000 barrels) and the expected numbers (means) of such oilspills occurring and contacting targets and land segments within periods 3, 10, and 30 days over the expected production life of the lease area, based on the most likely volume scenario previously discussed (0.27 billion barrels). For each time period, the tables present an analysis of: (1) the proposed action; (2) existing leases and tankering of imported oil over the assumed production life of 25 years; and (3) a cumulative analysis of all three factors. It is useful to compare the probabilities of spills occurring and contacting targets over the expected production life of the proposed area with the risks from existing leases and tanker transportation of imported oil (see figure 7). In this way the relative effect of adding proposed tracts to the study area may be examined.

Tables 10 and 11 are arranged in a similar fashion, but present overall probabilities based on the conditional mean volume scenario (1.13 billion barrels).

Overall probabilities were also calculated on the basis of various tract deletion alternatives. Tracts were deleted from proposed areas near San Nicolas Island, Santa Monica Bay, and the San Diego County coastline. Appendix C presents the overall probabilities for the three deletion alternatives, as follows: Tables C-1 and C-2 show probabilities of spills occurring and contacting targets and land segments, respectively, based on the most likely volume scenario, for the three deletion alternatives. Likewise, tables C-3 and C-4 present such probabilities based on the conditional mean volume scenario.

Conclusions

This analysis characterizes the oilspill risks associated with the Southern California lease offering (February 1984). For the most likely volume scenario the proposed lease offering will result in an estimated 0.27 billion barrels of oil being found and produced off the Southern California coast over a period spanning 25 years. There is a 67 percent chance that no spills of 1,000 barrels or larger will occur and contact land. There is a 33 percent chance that sometime during this 25 year period 1 to 2 spills of 1,000 barrels or larger could occur due to the proposed lease offering and contact land after being at sea less than 30 days. The risks from spills would be mitigated to the extent that weathering and decay of oil occurs at sea, and by the success of any spill countermeasures which would be attempted; these effects were not directly included in this oilspill model, but should be considered in translating the spill contacts predicted by this study into spill impacts for environmental analysis.

For purposes of comparison, risks from existing sources of potential oilspills were also characterized over the same 25 year period as the proposed leases. These risks include all existing oil and gas leases as well as tanker transportation of Alaskan and imported crude oil; together they represent more than 8 billion barrels produced and/or transported over 25 years. It is estimated that over the next 25 years these existing sources will result in 2 to 12 spills of 1,000 barrels or larger occurring and contacting land. (Again, these estimates do not include weathering or spill countermeasures.)

The risks of the proposed lease offering are compared graphically with the existing risks in Figure 7, which shows the probability of 0, 1, 2, etc. spills of 1,000 barrels or larger occurring and contacting land within 30 days. Clearly, the existing sources are likely to result in mutiple spill contacts over the next 25 years, while there is a good probability that the proposed leases could result in no spill contacts. On the basis of mean or average number of spill contacts, 0.4 for the proposed lease offering vs 6.8 for the existing risks, the proposed lease offering equals about 6 percent of the present oilspill risks in Southern California.

References Cited

Bird, C. V., 1983, Memorandum to Regional Supervisor, Offshore Leasing and Environment, from Regional Supervisor, Offshore Resource Evaluation Division, Department of the Interior, March 2, 1983.

Dedrick, C. T., 1983, Letter to Regional Manager, Pacific OCS Region, from Executive Officer, California State Lands Commission, February 2, 1983.

Devanney, M. W., III, and Stewart, R. J., 1974, Analysis of oilspill statistics, April 1974: Massachusetts Institute of Technology (Ca,mbridge) report no. MITSG-74-20 prepared for the Council on Environmental Quality, 126 p.

Kantha, L. H., Mellor, G. L., and Blumberg, A. F., 1982, A diagnostic calculation of the general circulation in the South Atlantic Bight. J. Phys. Ocean. 12(8), P. 805-819.

Lanfear, K. J., Smith, R. A., and Slack, J. R., 1979, An introduction to the oilspill risk analysis model: Proceedings of the Offshore Technology Conference, 11th, Houston, Tex., 1979, OTC 3607, p. 2173-2175.

Lanfear, K. J., and Samuels, W. B., 1981, Documentation and user's guide to the U.S. Geological Survey oilspill risk analysis model: Oilspill trajectories and the calculation of conditional probabilities: U.S. Geological Survey Open-File Report 81-316, 95 p.

Lanfear, K. J. and Amstutz, D. E., 1983, A reexamination of occurrence rates for accidental oilspills on the U.S. Outer Continental Shelf: Proceedings of the Eighth Conference on the Prevention, Behavior, Control, and Cleanup of Oil Spills, San Antonio, Texas, February 28-March 3, 1983.

Nakassis, A., 1982, Has offshore oil production become safer?: U.S. Geological Survey Open-File Report 82-232, 27 p.

Samuels, W. B. and Lanfear, K. J., 1980, An oilspill risk analysis for the Central and Northern California (Proposed Sale 53) Outer Continental Shelf lease area, U.S. Geological Survey Open-File Report 80-211, 44 p.

Samuels, W. B., Lanfear, K. J., and Hopkins, D., 1981, An oilspill risk analysis for the Southern California (Proposed Sale 68) Outer Continental Shelf lease area, U.S. Geological Survey Open-File Report 81-605, 206 p.

Samuels, W. B., Huang, N. E., and Amstutz, D. E., 1982, An oilspill trajectory analysis model with a variable wind deflection angle: Ocean Engineering, v. 9, p. 347-360.

Smith, R. A., Slack, J. R., Wyant, T., and Lanfear, K. J., 1982, The oilspill risk analysis model of the U.S. Geological Survey: U.S. Geological Survey Professional Paper 1227, 40 p.

The Futures Group, and World Information Systems, 1982, "Final technical report, Outer Continental Shelf Oil Spill Probability Assessment, Volume I: Data collection report", Prepared for the U.S. Department of the Interior, Bureau of Land Management, under contract number AA851-CTO-69, The Futures Group, Glastonbury, Conn., 69 p.

List of Illustrations

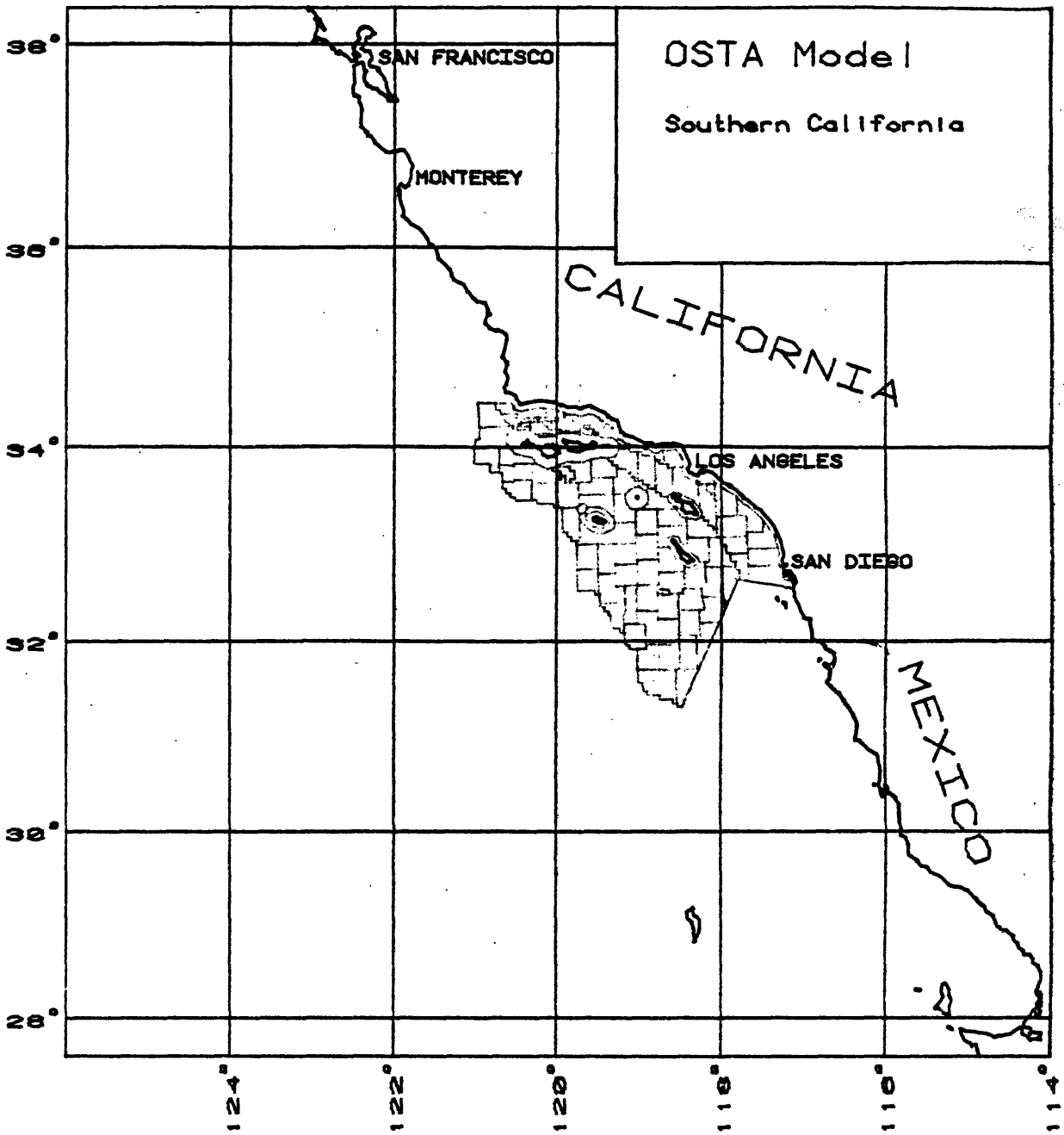

Figure 1. -- Map showing the Southern California Lease Offering study area and the proposed leasing areas.

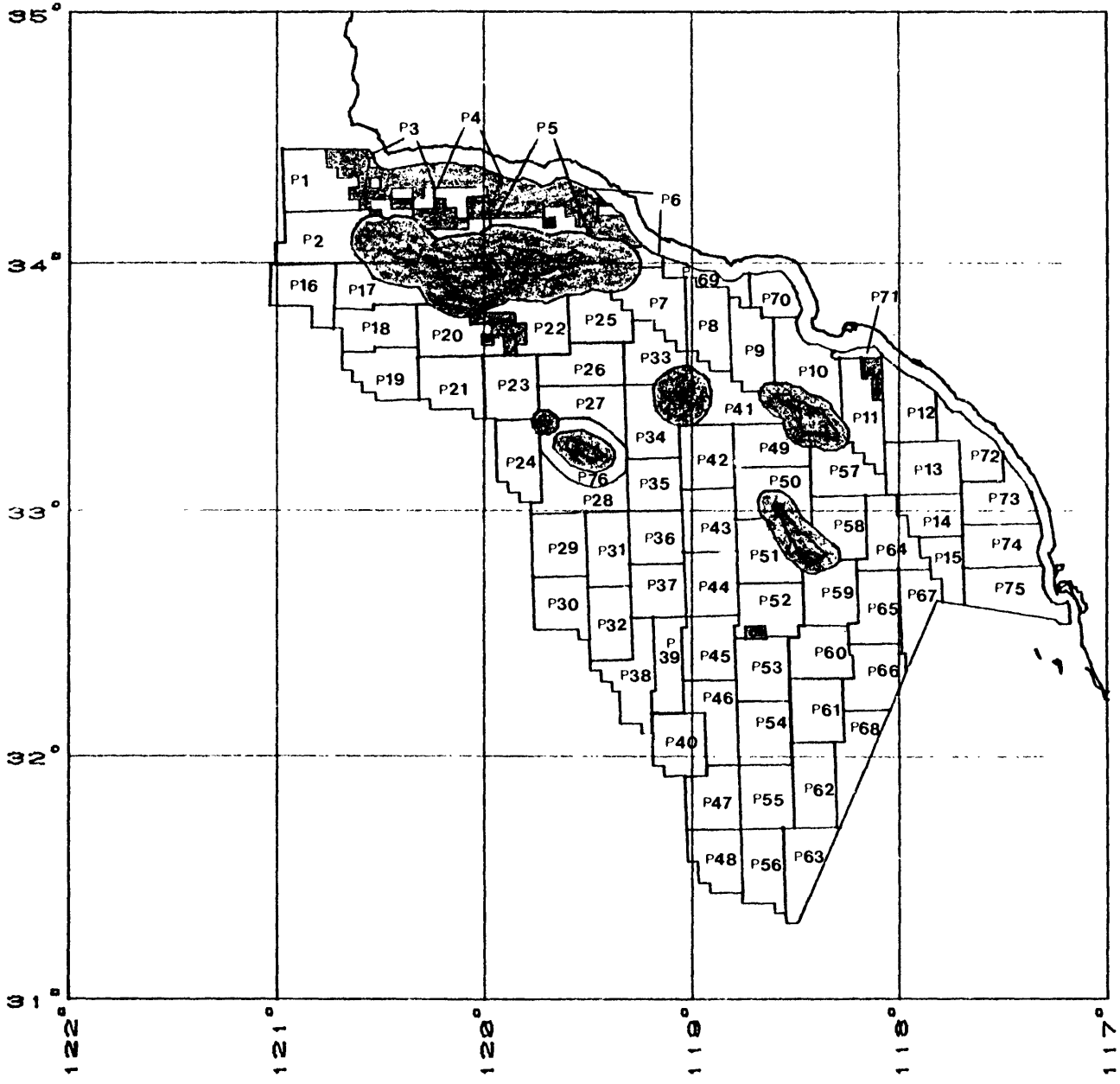

Figure 2. -- Map showing the proposed leasing areas (numbered P1-P76) for the Southern California Lease Offering.

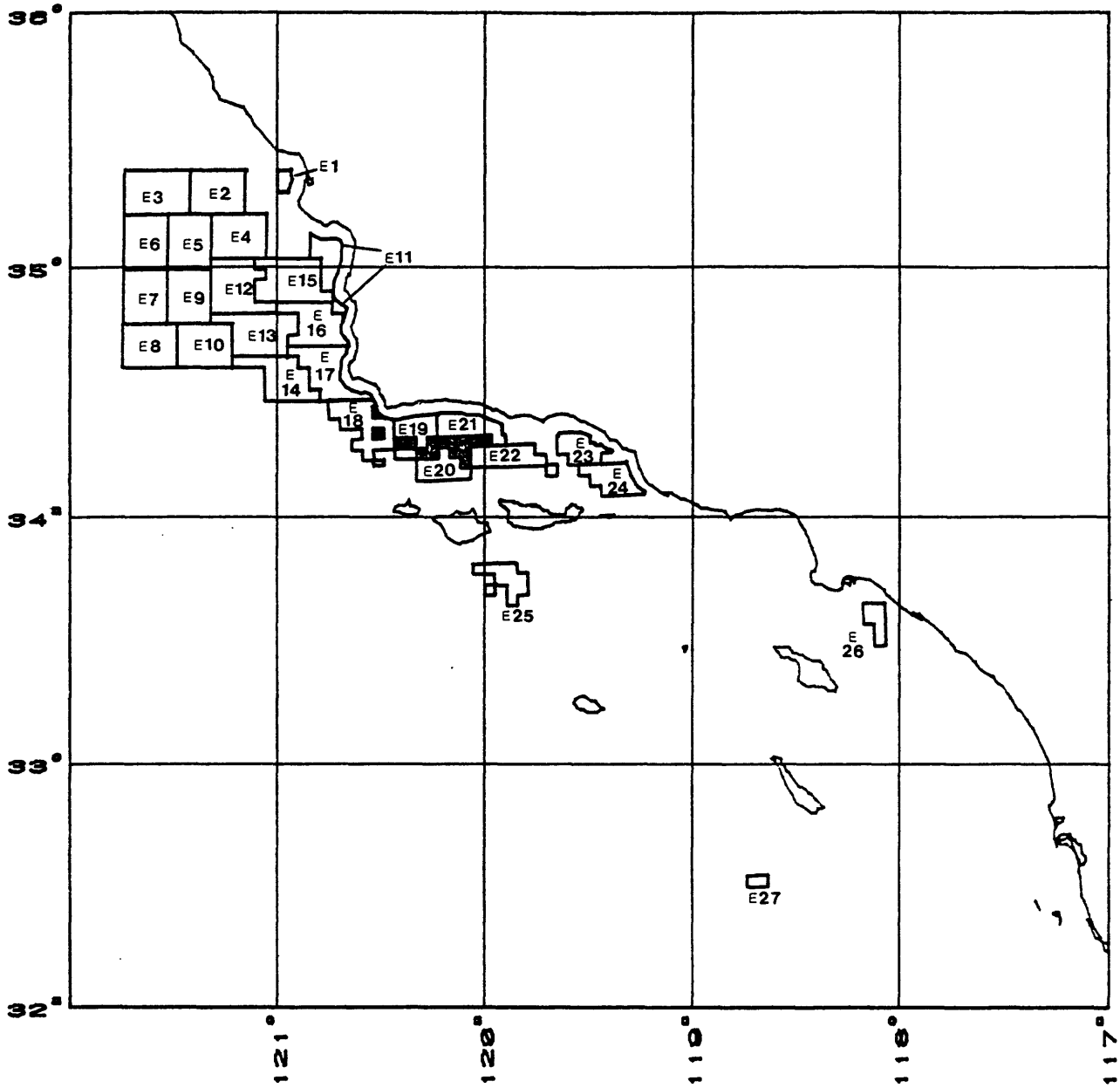

Figure 3. -- Map showing the existing Federal lease tract groups (E1-E27) in the study area.

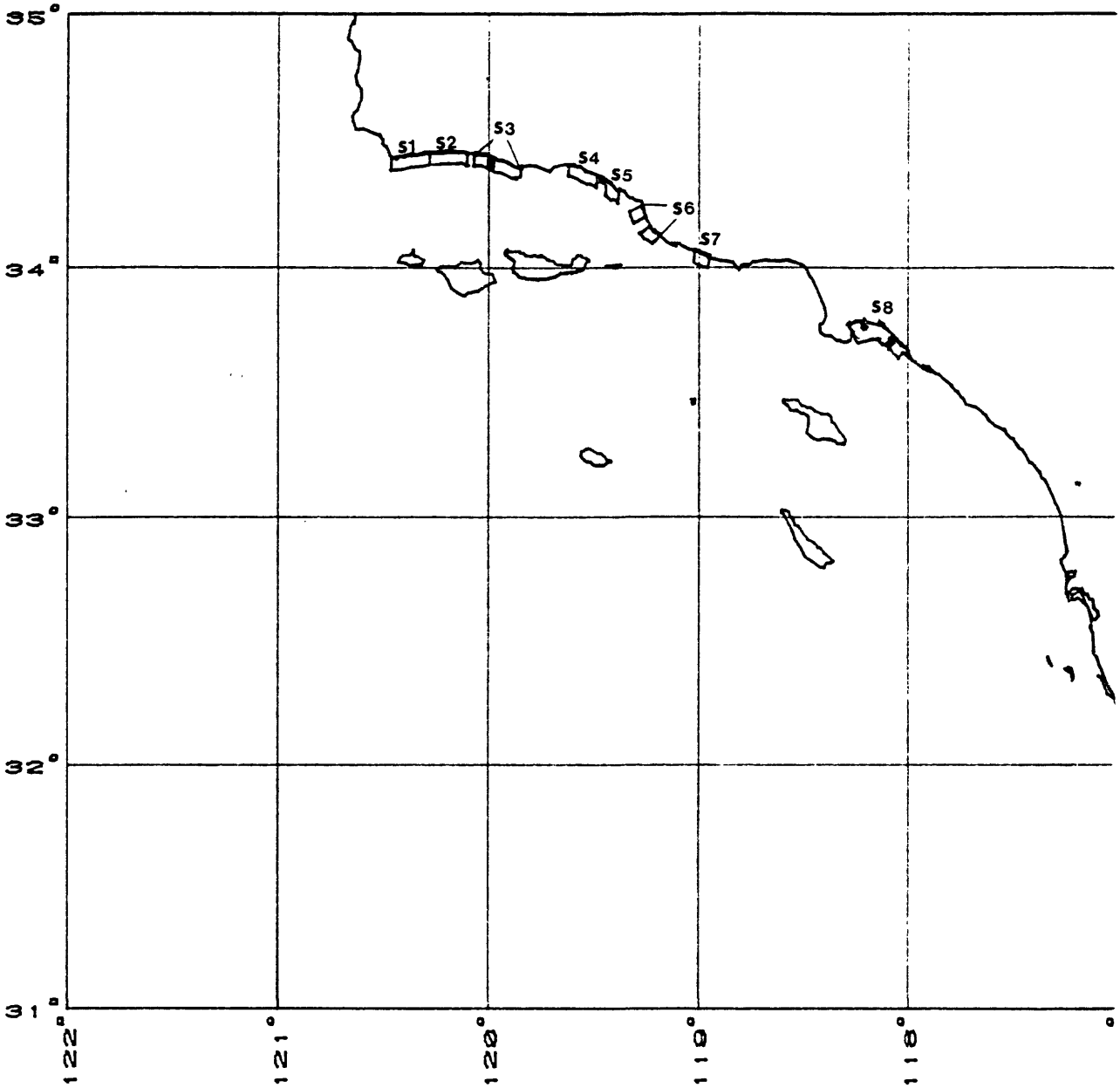

Figure 4. -- Map showing the existing state leases (S1-S8) in the study area.

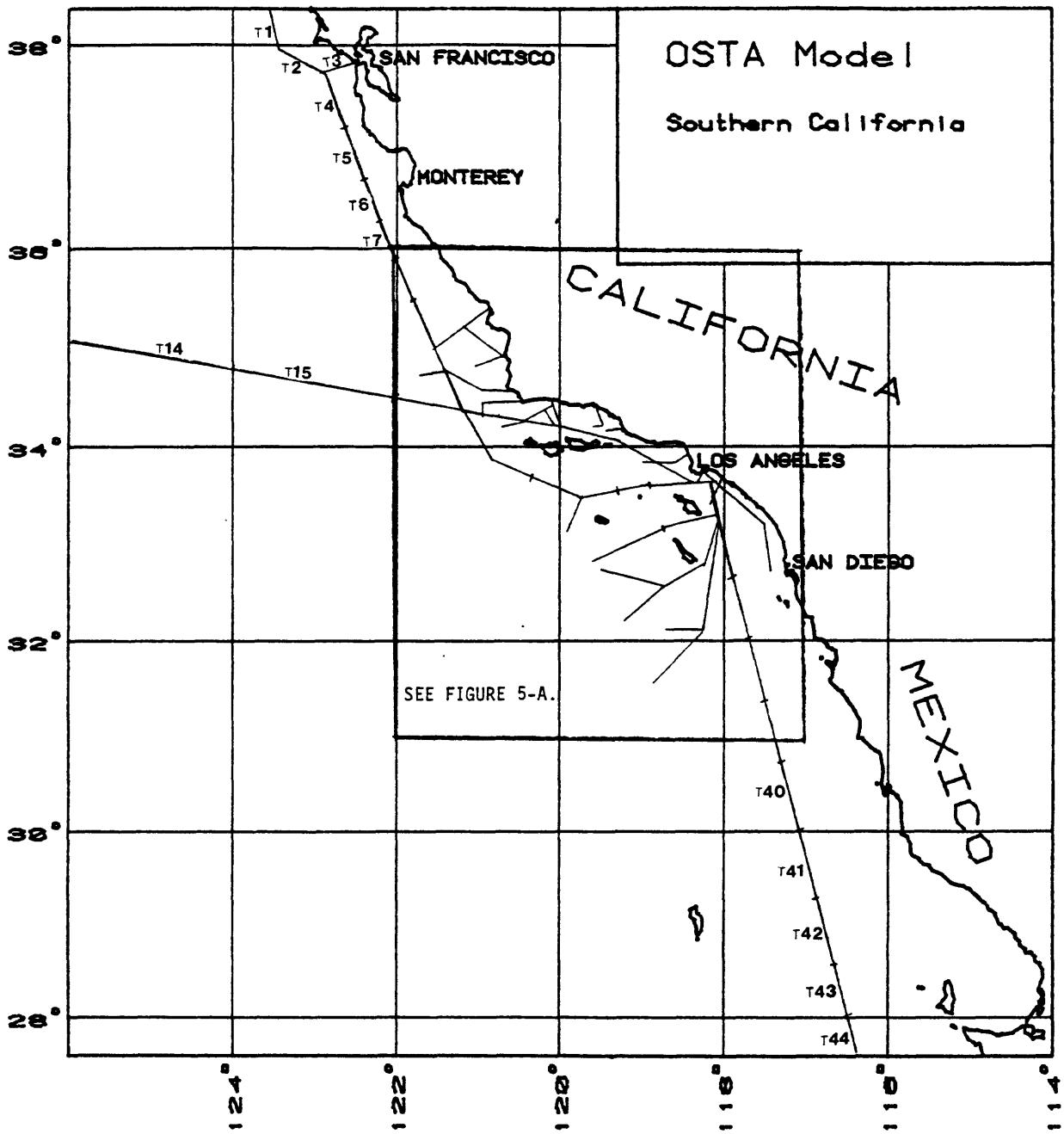

Figure 5. -- Map showing the transportation route segments; T1-T44 represent tanker routes, L1-L24 represent pipelines.

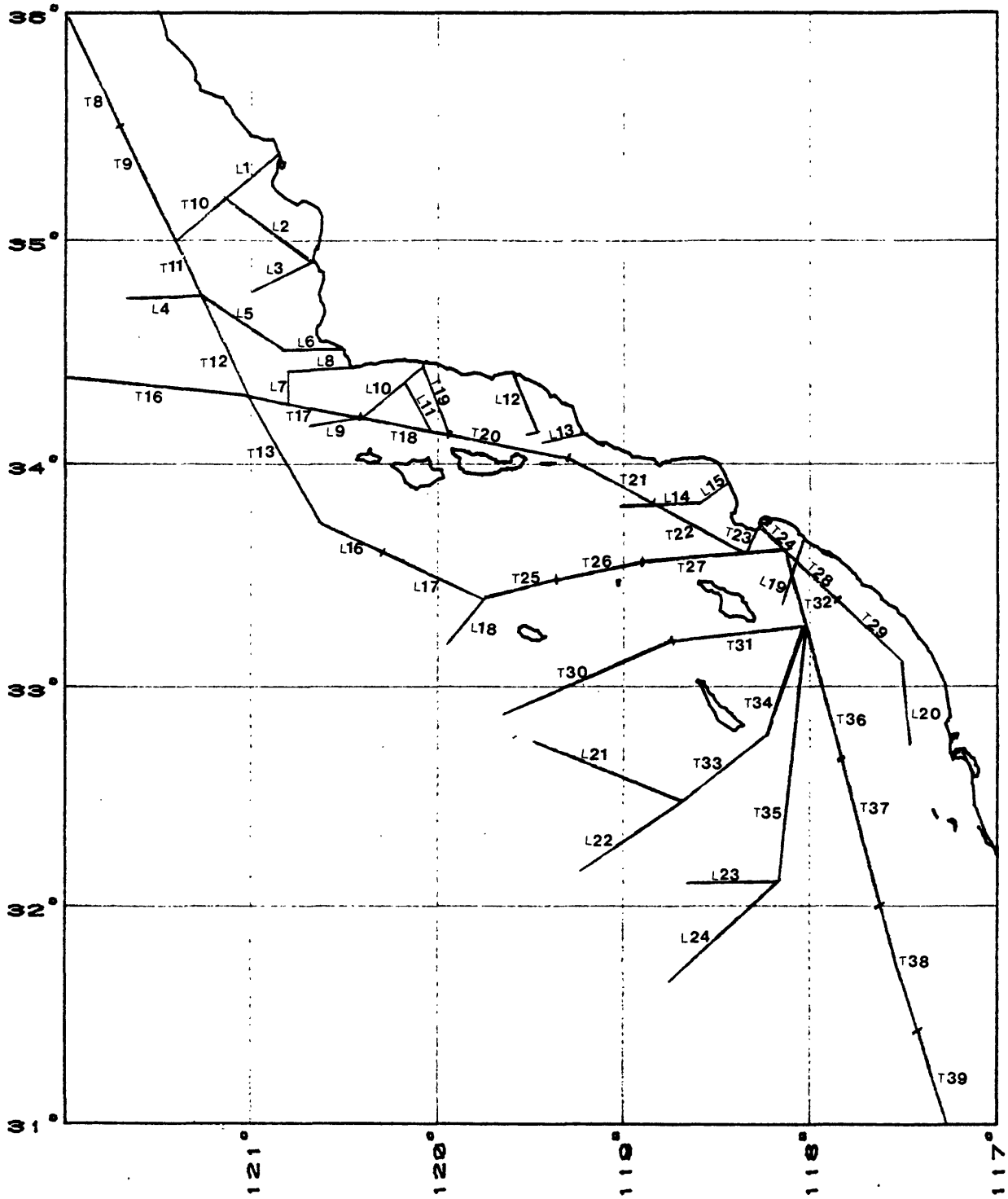

Figure 5a. -- Enlargement of subset of Figure 5, showing numbered transportation route segments.

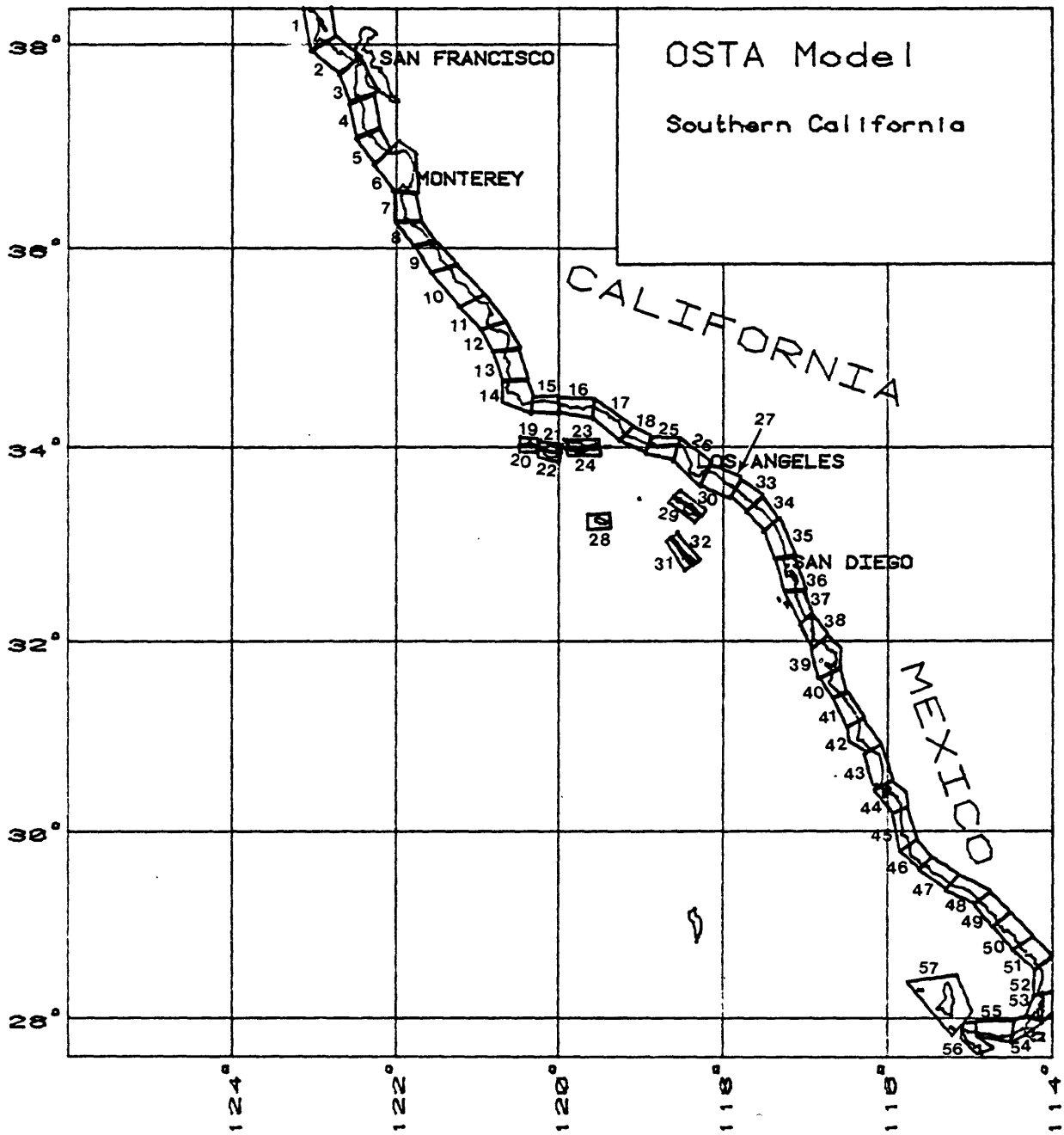

Figure 6. -- Map showing the division of the shoreline into 57 segments of approximately equal lengths.

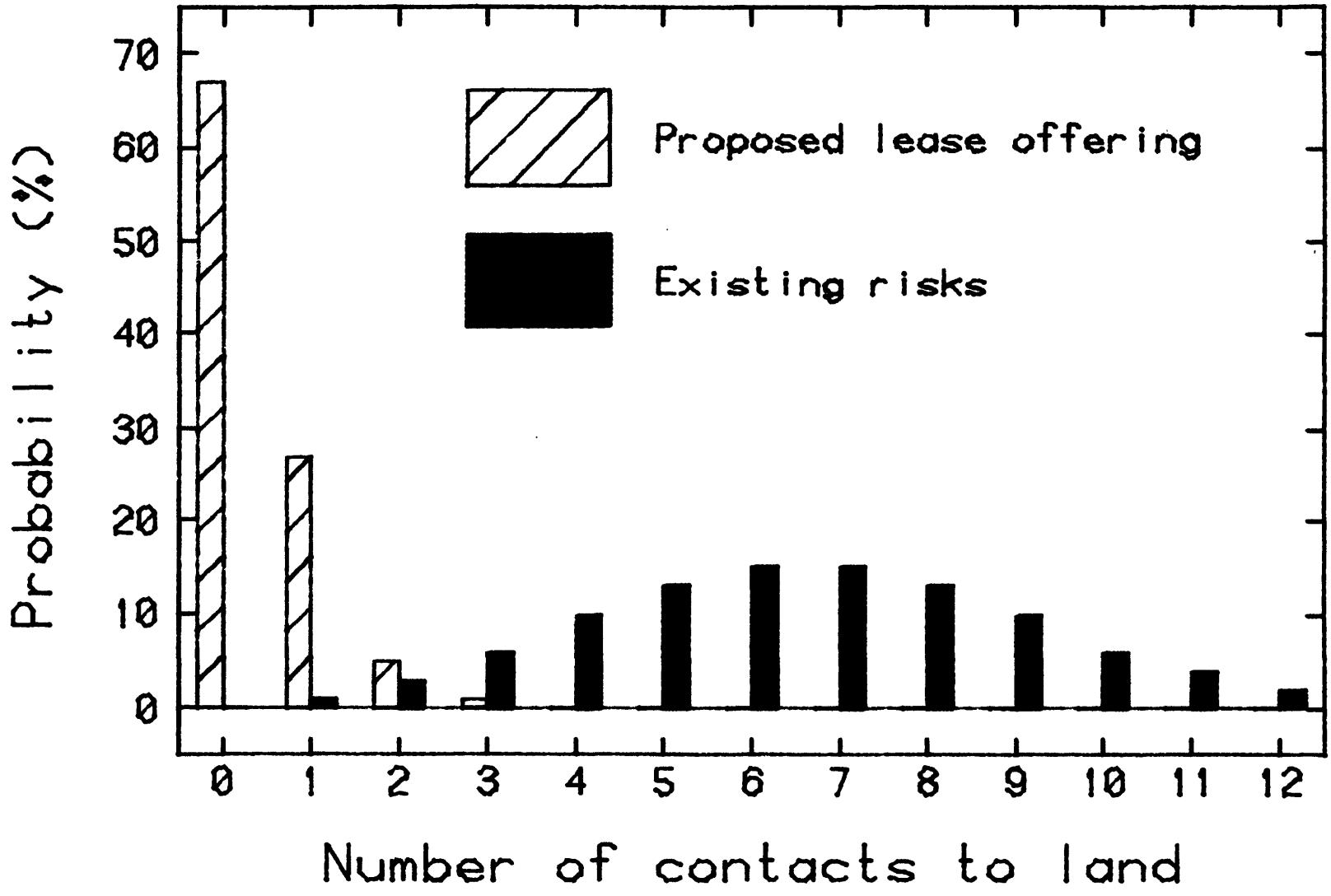

Figure 7. -- The overall probabilities of specific numbers of oilspills (1,000 barrels and greater) occurring and contacting land within 30 days travel time.

List of Tables

List of Tables (Continued)

Table 1. -- Oilspill probability estimates for spills greater than 1,000 barrels resulting over the expected production life of the proposed leases, from existing leases, and from existing oil transportation in the study area.

	Assumed Amount of oil (Bbbls)	Expected no. of spills from platforms >1,000	Expected no. of spills from transportation >1,000	Total no. of spills >1,000	Prob. of one or more spills (platforms) >1,000	Prob. of one or more spills (transportation) >1,000	Prob. of one or more spills (Total) >1,000
Proposed Action (most likely scenario)	0.32	0.32	0.48	0.80	0.27	0.38	0.55
Santa Barb. Channel	0.11	0.11	0.18	0.29	0.10	0.16	0.25
Inner Banks	0.10	0.10	0.16	0.26	0.10	0.15	0.23
Outer Banks, Basins	0.11	0.11	0.14	0.25	0.10	0.13	0.22
(cond. mean scenario)	1.55	1.55	2.21	3.76	0.79	0.89	0.98
Santa Barb. Chan.	0.41	0.41	0.66	1.07	0.34	0.48	0.66
Inner Banks	0.24	0.24	0.38	0.62	0.21	0.32	0.46
Outer Banks, Basins	0.90	0.90	1.17	2.07	0.59	0.69	0.87
Existing Leases (Federal & State)	3.02	3.02	4.83	7.85	0.95	0.99+	0.99+
Tanker Transportation of crude oil imports:							
with Proposed Action, most likely scenario	5.27	-	3.43	3.43	-	0.97	0.97
(from Alaska)	4.42	-	2.87	2.87	-	0.94	0.94
(from foreign)	0.85	-	0.56	0.56	-	0.43	0.43
with Proposed Action, cond. mean scenario	4.11	-	2.67	2.67	-	0.93	0.93
(from Alaska)	3.26	-	2.12	2.12	-	0.88	0.88
(from foreign)	0.85	-	0.55	0.55	-	0.42	0.42
without Proposed Action	5.56	-	3.61	3.61	-	0.97	0.97
(from Alaska)	4.71	-	3.06	3.06	-	0.95	0.95
(from foreign)	0.85	-	0.55	0.55	-	0.42	0.42

Table 1a. -- Oilspill probability estimates for spills from 1,000 to 10,000 barrels resulting over the expected production life of the proposed leases, from existing leases, and from existing oil transportation in the study area.

	Assumed Amount of oil (Bbbls)	Expected no. of spills from platforms 1-10,000	Expected no. of spills from transportation 1-10,000	Total no. of spills 1-10,000	Prob. of one or more spills (platforms) 1-10,000	Prob. of one or more spills (transportation) 1-10,000	Prob. of one or more spills (Total) 1-10,000
Proposed Action (most likely scenario	0.32	0.18	0.26	0.44	0.16	0.23	0.36
Santa Barb. Channel	0.11	0.06	0.10	0.16	0.06	0.10	0.15
Inner Banks	0.10	0.06	0.09	0.15	0.06	0.09	0.14
Outer Banks, Basins	0.11	0.06	0.07	0.13	0.06	0.07	0.12
(cond. mean scenario)	1.55	0.86	1.19	2.05	0.58	0.70	0.87
Santa Barb. Chan.	0.41	0.23	0.38	0.61	0.20	0.32	0.46
Inner Banks	0.24	0.13	0.22	0.35	0.12	0.20	0.30
Outer Banks, Basins	0.90	0.50	0.59	1.09	0.39	0.45	0.66
Existing Leases (Federal & State)	3.02	1.69	2.81	4.50	0.82	0.94	0.99
Tanker Transportation of crude oil imports:							
with Proposed Action, most likely scenario	5.27	-	1.71	1.71	-	0.82	0.82
(from Alaska)	4.42	-	1.43	1.43	-	0.76	0.76
(from foreign)	0.85	-	0.28	0.28	-	0.24	0.24
with Proposed Action, cond. mean scenario	4.11	-	1.34	1.34	-	0.74	0.74
(from Alaska)	3.26	-	1.06	1.06	-	0.65	0.65
(from foreign)	0.85	-	0.28	0.28	-	0.24	0.24
without Proposed Action	5.56	-	1.81	1.81	-	0.84	0.84
(from Alaska)	4.71	-	1.53	1.53	-	0.78	0.78
(from foreign)	0.85	-	0.28	0.28	-	0.24	0.24

Table 1b. -- Oilspill probability estimates for spills greater than 10,000 barrels resulting over the expected production life of the proposed leases, from existing leases, and from existing oil transportation in the study area.

	Assumed Amount of oil (Bbbls)	Expected no. of spills from platforms >10,000	Expected no. of spills from transportation >10,000	Total no. of spills >10,000	Prob. of one or more spills (platforms) >10,000	Prob. of one or more spills (transportation) >10,000	Prob. of one or more spills (Total) >10,000
Proposed Action (most likely scenario)	0.32	0.14	0.22	0.36	0.15	0.20	0.30
Santa Barb. Channel	0.11	0.05	0.08	0.13	0.05	0.08	0.12
Inner Banks	0.10	0.04	0.07	0.11	0.04	0.07	0.10
Outer Banks	0.11	0.05	0.07	0.12	0.05	0.07	0.11
(cond. mean scenario)	1.55	0.68	1.03	1.71	0.49	0.64	0.82
Santa Barb. Chan.	0.41	0.18	0.28	0.46	0.16	0.24	0.37
Inner Banks	0.24	0.11	0.16	0.27	0.10	0.15	0.24
Outer Banks, Basins	0.90	0.40	0.59	0.99	0.33	0.45	0.63
Existing Leases (Federal & State)	3.02	1.33	2.02	3.35	0.74	0.87	0.96
Tanker Transportation of crude oil imports:							
with Proposed Action, most likely scenario	5.27	-	1.71	1.71	-	0.82	0.82
(from Alaska)	4.42	-	1.43	1.43	-	0.76	0.76
(from foreign)	0.85	-	0.28	0.28	-	0.24	0.24
with Proposed Action, cond. mean scenario	4.11	-	1.34	1.34	-	0.74	0.74
(from Alaska)	3.26	-	1.06	1.06	-	0.65	0.65
(from foreign)	0.85	-	0.28	0.28	-	0.24	0.24
without Proposed Action	5.56	-	1.81	1.81	-	0.84	0.84
(from Alaska)	4.71	-	1.53	1.53	-	0.78	0.78
(from foreign)	0.85	-	0.28	0.28	-	0.24	0.24

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

Target	Hypothetical Spill Location																							
	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	5	20	1	n	n	n	n	1	4	1	n	n	n	n	n	19	18	3	n	n	n	n	n	19	38
N. Channel 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
S. Channel Islands	2	n	n	n	n	n	n	74	35	n	n	n	n	n	n	55	14	n	n	n	n	n	n	2	n
Channel Islands	2	n	n	n	n	n	n	74	35	n	n	n	n	n	n	55	14	n	n	n	n	n	n	2	n
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	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 Nicholas Island	15	45	2	n	n	n	n	n	9	3	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n
Begg Rock	4	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. 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
San Miguel 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
Least Tern Colonies	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 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
Least Tern Colony 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
Least Tern Colony 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. Offshore Feeding	59	90	15	n	n	n	n	4	32	11	n	n	n	n	n	1	5	n	n	n	n	n	n	1	n
S. Offshore Feeding	n	1	84	42	11	94	70	n	n	14	56	98	34	62	n	n	1	6	24	53	5	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
Santa Barbara Island	n	n	n	n	n	n	n	43	4	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n	n
Coronados 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
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	n	n	9	n
Coastal Feed. Area 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	7	n	n	n	n	n	n	12	28

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

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

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	2	1	18	1	40	21	1	13	29	43	29	33	5	1	1	n	1	n	n	1	n	4	14	3	1
N. Channel Islands	18	25	67	8	92	53	17	n	n	n	n	n	n	n	n	n	32	1	n	13	n	19	n	n	13
S. Channel Islands	n	n	n	n	n	5	22	17	5	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6
Channel Islands	18	25	67	8	92	58	40	17	5	1	n	n	n	n	n	n	32	1	n	13	n	19	n	n	19
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	n	n	n	n	n	n	15	13	22	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Nicholas Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	7	27	11	n
Begg Rock	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	1	4	41	13	n
N. Anacapa Island	n	n	n	n	1	14	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Miguel Island	11	11	66	6	2	n	n	n	n	n	n	n	n	n	n	n	21	n	n	n	n	n	n	n	n
Least Tern Colonies	n	n	n	n	n	1	n	n	n	1	4	12	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 2	n	n	n	n	n	n	n	n	n	1	4	12	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 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. Offshore Feeding	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	2	1	n	65	32	68	96	73	13
S. Offshore Feeding	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	n	13	49	n
Anacapa Island	n	n	n	n	1	30	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Santa Barbara Island	n	n	n	n	n	3	15	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Coronados 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
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	n	n	4	6	25	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	n	1	42	45	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 3	n	n	n	n	n	n	n	13	12	26	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 4	n	n	n	n	n	n	n	n	1	31	24	42	2	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 6	n	n	n	n	n	n	n	3	14	13	14	4	4	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 7	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

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

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

Target	Hypothetical Spill Location																								
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75
Land	26	n	n	n	n	n	5	14	2	n	n	n	n	5	n	n	n	n	36	55	74	20	20	6	8
N. Channel Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	n	n	n	n	n	n
S. Channel 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
Channel Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	n	n	n	n	n	n
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	98	n	n	n	n	n
San Nicholas 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
Begg Rock	n	n	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
San Miguel 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
Least Tern Colonies	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	13	29	5	6	3	3
Least Tern Colony 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	n
Least Tern Colony 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	29	4	n	n	n
Least Tern Colony 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	2	n
Least Tern Colony 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3
N. Offshore Feeding	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Offshore Feeding	3	5	6	n	n	n	n	n	1	2	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	5	n	n	n	n	n	n
Santa Barbara 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
Coronados 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
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	n
Coastal Feed. Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	62	95	n	n	n	n	n
Coastal Feed. Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	52	30	1	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	22	43
Coastal Feed. Area 6	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n
Coastal Feed. Area 7	10	1	n	n	n	n	3	17	7	n	n	n	n	6	1	n	1	n	n	n	n	n	n	n	n

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

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

Target	Hypothetical Spill Location																							
	P76	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24
Land	26	59	n	n	n	n	n	n	n	n	n	33	n	n	n	1	7	2	11	38	3	65	48	74	52
N. Channel Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	5	30	2	17	n	6	1	26
S. Channel 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
Channel Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	5	30	2	17	n	6	1	26
N. Sea Otter Range	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
S. Sea Otter Range	n	83	n	n	n	n	n	n	n	n	n	39	n	n	n	1	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	83	n	n	n	n	n	n	n	n	n	39	n	n	n	1	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	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 Nicholas Island	72	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Begg Rock	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
N. 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	5
San Miguel Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	3	27	2	20	n	1	n	n
Least Tern Colonies	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8
Least Tern Colony 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8
Least Tern Colony 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
Least Tern Colony 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
Least Tern Colony 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. Offshore Feeding	91	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Offshore Feeding	30	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	4
Santa Barbara 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
Coronados 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
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	19	25	74	7	91	43	2	1
Coastal Feed. Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	32	**	99
Coastal Feed. Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Coastal Feed. Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Target	Hypothetical Spill Location																							
	E25	E26	E27	S1	S2	S3	S4	S5	S6	S7	S8	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14
Land	5	65	n	34	69	72	80	89	67	67	76	n	4	39	5	5	1	n	n	n	n	n	n	n	n
N. Channel Islands	16	n	n	4	n	n	n	n	11	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Channel 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
Channel Islands	16	n	n	4	n	n	n	n	11	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Nicholas Island	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Begg Rock	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. Anacapa Island	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
San Miguel Island	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colonies	n	25	n	n	n	n	n	n	41	14	23	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 1	n	n	n	n	n	n	n	n	41	14	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 2	n	25	n	n	n	n	n	n	n	n	23	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 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. Offshore Feeding	**	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Offshore Feeding	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	n	n	n	1	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Barbara 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
Coronados 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
Guadalupe 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
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	1	51	26	29	n	n	n	n	n	n	n	n	n	n
Baja 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
Coastal Feed. Area 1	n	n	n	93	98	90	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	n	n	n	28	**	**	92	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 3	n	1	n	n	n	n	n	n	44	96	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 4	n	90	n	n	n	n	n	n	n	n	**	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Target	Hypothetical Spill Location																							
	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39
Land	n	n	6	6	27	41	5	20	60	76	14	1	30	65	21	3	24	38	1	10	3	3	n	n	n
N. Channel Islands	n	n	27	45	4	97	42	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Channel Islands	n	n	n	n	n	n	2	1	n	n	3	76	21	n	n	n	n	n	n	n	n	n	n	n	n
Channel Islands	n	n	27	45	4	97	44	1	n	n	3	76	21	n	n	n	n	n	n	n	n	n	n	n	n
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	n	n	n	n	n	1	11	15	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n
San Nicholas Island	n	n	n	n	n	n	n	n	n	n	29	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Begg Rock	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. Anacapa Island	n	n	n	n	n	9	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Miguel Island	n	n	18	45	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colonies	n	n	n	n	n	n	n	n	3	14	n	n	n	26	7	n	n	10	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 2	n	n	n	n	n	n	n	n	2	14	n	n	n	26	7	n	n	10	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 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. Offshore Feeding	n	n	n	n	n	n	1	n	n	n	77	7	n	n	n	n	1	n	n	n	n	n	n	n	n
S. Offshore Feeding	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	43	n	n	6	n	n	n	n	n	n
Anacapa Island	n	n	n	n	n	17	31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Barbara Island	n	n	n	n	n	n	1	n	n	n	n	32	2	n	n	n	n	n	n	n	n	n	n	n	n
Coronados 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
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	n	n	1	4	54	15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	n	n	2	26	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 3	n	n	n	n	n	n	1	12	18	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 4	n	n	n	n	n	n	n	7	68	**	n	n	6	90	35	n	n	44	n	n	n	n	n	n	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 6	n	n	n	n	n	n	1	9	1	n	n	n	14	n	2	n	14	9	n	2	1	1	n	n	n
Coastal Feed. Area 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	n	5	10	3	2	n	n	n

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

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

Target	Hypothetical Spill Location																						
	T40	T41	T42	T43	T44	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19	L20
Land	n	n	n	n	n	18	8	8	n	n	12	n	4	13	29	11	68	19	8	56	n	1	2	50	2
N. Channel Islands	n	n	n	n	n	n	n	n	n	n	4	3	17	78	16	2	24	**	n	n	n	n	n	n	n
S. Channel Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	n
Channel Islands	n	n	n	n	n	n	n	n	n	n	4	3	17	78	16	2	24	**	6	n	n	n	n	n	n
N. Sea Otter Range	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
S. Sea Otter Range	n	n	n	n	n	27	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	28	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	35	98	n	n	n	n	n
San Nicholas Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	7	n	n
Begg Rock	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	12	n	n
N. Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	20	n	n	n	n	n	n	n
San Miguel Island	n	n	n	n	n	n	n	n	n	n	3	1	12	46	16	1	n	n	n	n	n	n	n	n	n
Least Tern Colonies	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	1	12	n	n	n	16	1
Least Tern Colony 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n
Least Tern Colony 2	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
Least Tern Colony 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
Least Tern Colony 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. Offshore Feeding	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	41	81	n	n
S. Offshore Feeding	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	18	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	17	n	n	n	n	n	n	n
Santa Barbara Island	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
Coronados 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
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	n	n	n	n	n	n	n	1	n	n	40	n	13	1	47	36	2	n	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	93	84	n	n	n	n	n	n	n
Coastal Feed. Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	27	97	n	n	n	1	n
Coastal Feed. Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	56	5
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4
Coastal Feed. Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	10	1
Coastal Feed. Area 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Target	Hypothetical Spill Location			
	L21	L22	L23	L24
Land	n	n	n	n
N. Channel Islands	n	n	n	n
S. Channel Islands	n	n	n	n
Channel Islands	n	n	n	n
N. Sea Otter Range	n	n	n	n
S. Sea Otter Range	n	n	n	n
Sea Otter Range	n	n	n	n
Santa Monica Bay	n	n	n	n
San Nicholas Island	n	n	n	n
Begg Rock	n	n	n	n
N. Anacapa Island	n	n	n	n
San Miguel Island	n	n	n	n
Least Tern Colonies	n	n	n	n
Least Tern Colony 1	n	n	n	n
Least Tern Colony 2	n	n	n	n
Least Tern Colony 3	n	n	n	n
Least Tern Colony 4	n	n	n	n
N. Offshore Feeding	n	n	n	n
S. Offshore Feeding	75	44	n	n
Anacapa Island	n	n	n	n
Santa Barbara Island	n	n	n	n
Coronados Islands	n	n	n	n
Guadalupe Island	n	n	n	n
Farallon Islands	n	n	n	n
Baja Islands	n	n	n	n
Coastal Feed. Area 1	n	n	n	n
Coastal Feed. Area 2	n	n	n	n
Coastal Feed. Area 3	n	n	n	n
Coastal Feed. Area 4	n	n	n	n
Coastal Feed. Area 5	n	n	n	n
Coastal Feed. Area 6	n	n	n	n
Coastal Feed. Area 7	n	n	n	n

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

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

Target	Hypothetical Spill Location																								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	6	2	41	55	85	51	18	55	68	76	45	55	26	15	11	n	2	n	n	9	1	24	27	4	12
N. Channel Islands	31	28	76	21	92	59	29	3	1	1	n	n	n	n	n	1	33	1	n	13	n	22	n	n	18
S. Channel Islands	n	n	n	n	n	8	29	22	10	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	10
Channel Islands	31	28	76	21	92	66	58	25	11	3	1	n	n	n	n	1	33	1	n	13	n	22	n	n	27
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	n	n	n	n	n	2	30	29	31	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Nicholas Island	n	n	n	n	n	2	6	2	1	n	n	n	n	n	n	n	n	n	n	17	4	38	44	13	20
Begg Rock	n	n	n	n	n	1	2	1	1	n	n	n	n	n	n	n	n	n	n	19	4	23	51	14	9
N. Anacapa Island	n	n	n	n	4	19	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Miguel Island	22	14	75	12	3	n	n	n	n	n	n	n	n	n	n	1	22	n	n	n	n	n	n	n	n
Least Tern Colonies	n	n	n	n	n	1	n	3	3	4	4	15	3	2	1	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 2	n	n	n	n	n	n	n	n	1	3	4	15	2	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 3	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
Least Tern Colony 4	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n	n	n
N. Offshore Feeding	1	2	n	n	n	14	31	12	5	1	1	n	1	n	n	n	12	7	3	76	51	95	98	73	69
S. Offshore Feeding	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	6	4	3	26	32	9	37	72	4
Anacapa Island	n	n	n	n	4	36	10	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
Santa Barbara Island	n	n	n	n	n	5	20	6	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
Coronados Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	1	6	n	n	n	n	n	n	n	n	n	n
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	1	n	17	62	38	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	1	5	45	48	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 3	n	n	n	n	n	1	3	35	31	34	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 4	n	n	n	n	n	n	n	2	7	35	24	46	7	2	1	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	1	1	5	10	11	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 6	n	n	n	n	n	n	n	9	20	20	22	15	13	2	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 7	n	n	n	n	n	1	4	3	1	1	4	1	5	7	6	n	n	n	n	n	n	n	n	n	n

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

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

Target	Hypothetical Spill Location																								
	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	22	30	1	n	n	n	n	24	16	3	1	n	n	n	n	49	41	9	1	n	n	n	n	49	57
N. Channel 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
S. Channel Islands	4	2	n	n	n	n	n	77	37	1	n	n	n	n	n	57	15	n	n	n	n	n	n	3	n
Channel Islands	5	2	n	n	n	n	n	77	37	1	n	n	n	n	n	57	15	n	n	n	n	n	n	3	n
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	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
San Nicholas Island	42	56	3	n	n	n	n	13	19	5	n	n	n	n	n	4	6	n	n	n	n	n	n	3	1
Begg Rock	17	18	n	n	n	n	n	6	4	n	n	n	n	n	n	2	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
San Miguel 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
Least Tern Colonies	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 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
Least Tern Colony 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
Least Tern Colony 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. Offshore Feeding	86	93	16	n	n	n	n	33	45	13	n	n	n	n	n	9	9	n	n	n	n	n	n	5	1
S. Offshore Feeding	12	20	93	61	19	96	72	4	13	43	72	99	35	62	n	1	9	24	37	58	5	n	n	2	3
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
Santa Barbara Island	1	n	n	n	n	n	n	45	5	n	n	n	n	n	n	13	n	n	n	n	n	n	n	n	n
Coronados 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
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 3	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
Coastal Feed. Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n	n	n	n	n	n	n	11	1
Coastal Feed. Area 7	n	n	n	n	n	n	n	6	1	n	n	n	n	n	n	24	15	1	n	n	n	n	n	36	41

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

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

Target	Hypothetical Spill Location																								
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75
Land	27	1	n	n	n	n	23	25	2	n	n	n	n	13	1	n	3	n	72	91	82	56	52	31	24
N. Channel Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	24	2	n	n	n	n	n
S. Channel Islands	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
Channel Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	25	2	1	n	n	n	n
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	30	99	n	n	n	n	n
San Nicholas Island	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
Begg Rock	n	n	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	2	n	n	n	n	n	n
San Miguel 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
Least Tern Colonies	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	18	30	12	12	9	7
Least Tern Colony 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	n
Least Tern Colony 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	30	11	4	2	n
Least Tern Colony 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	8	4	1
Least Tern Colony 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	6
N. Offshore Feeding	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	6	1	n	n	n	n	n
S. Offshore Feeding	11	15	11	n	n	n	1	1	5	8	1	n	n	1	3	2	1	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	12	1	n	n	n	n	n
Santa Barbara Island	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
Coronados Islands	n	n	n	n	n	n	1	1	n	n	n	n	n	4	1	n	4	n	n	n	n	n	n	n	2
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	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
Coastal Feed. Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n	n	n	n	n	n
Coastal Feed. Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	71	98	1	n	n	n	n
Coastal Feed. Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	**	63	41	9	3
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	2	23	33	51
Coastal Feed. Area 6	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	4	12	8	3	n
Coastal Feed. Area 7	11	1	n	n	n	n	19	28	8	n	n	n	n	15	2	n	3	n	n	n	n	n	1	1	1

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

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

Target	Hypothetical Spill Location																								
	P76	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24
Land	29	70	1	n	1	n	n	n	n	n	n	46	1	2	3	11	14	12	30	69	50	84	75	79	79
N. Channel Islands	n	n	n	n	n	n	n	n	n	2	3	1	4	10	15	3	10	25	57	11	28	4	18	13	33
S. Channel Islands	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
Channel Islands	1	n	n	n	n	n	n	n	n	2	3	1	4	10	15	3	10	25	57	11	28	4	18	13	33
N. Sea Otter Range	n	13	4	n	2	n	n	n	n	n	n	5	n	n	n	2	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	86	n	n	n	n	n	n	n	n	n	43	n	n	n	4	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	88	4	n	3	n	n	n	n	n	n	45	n	n	n	5	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	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 Nicholas Island	73	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Begg Rock	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
N. Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5	17
San Miguel Island	n	n	n	n	n	n	n	n	n	1	2	1	2	7	10	2	7	21	52	9	25	1	2	n	n
Least Tern Colonies	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8
Least Tern Colony 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8
Least Tern Colony 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
Least Tern Colony 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
Least Tern Colony 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. Offshore Feeding	91	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Offshore Feeding	49	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	1	4	16
Santa Barbara 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
Coronados 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
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	n	n	n	n	n	n	n	n	n	n	n	n	2	2	n	3	7	21	28	88	58	94	56	3	3
Coastal Feed. Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	7	37	**	99
Coastal Feed. Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
Coastal Feed. Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Target	Hypothetical Spill Location																							
	E25	E26	E27	S1	S2	S3	S4	S5	S6	S7	S8	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14
Land	28	77	n	61	92	85	84	92	84	89	83	2	15	57	23	45	20	n	n	n	n	n	n	n	n
N. Channel Islands	17	n	n	19	2	2	4	4	18	13	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n
S. Channel Islands	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
Channel Islands	17	1	n	19	2	2	4	4	18	13	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	6	5	n	n	n	1	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	6	5	n	n	n	1	n	n	n	n
Santa Monica Bay	n	1	n	n	n	n	n	n	n	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Nicholas Island	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
Begg Rock	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. Anacapa Island	n	n	n	n	n	n	1	1	10	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Miguel Island	n	n	n	19	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n
Least Tern Colonies	n	26	n	n	n	n	n	n	41	15	24	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 1	n	n	n	n	n	n	n	n	41	15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 2	n	26	n	n	n	n	n	n	n	n	24	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 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. Offshore Feeding	**	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Offshore Feeding	16	n	18	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	1	1	10	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Barbara 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
Coronados 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
Guadalupe 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
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	9	57	34	33	1	n	n	n	n	n	n	n	n	n
Baja 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
Coastal Feed. Area 1	n	n	n	98	**	90	1	1	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	n	1	1	31	**	**	92	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 3	n	1	n	n	n	n	n	n	45	97	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 4	n	90	n	n	n	n	n	n	n	n	**	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 6	n	7	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Target	Hypothetical Spill Location																							
	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39
Land	n	n	10	46	76	89	33	65	79	83	33	22	62	77	58	6	45	55	2	21	7	12	1	n	n
N. Channel Islands	n	n	34	54	10	98	51	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Channel Islands	n	n	n	n	n	n	7	5	1	1	4	78	24	1	n	n	1	n	n	n	n	n	n	n	n
Channel Islands	n	n	34	54	10	98	57	7	2	1	5	78	25	1	n	n	1	n	n	n	n	n	n	n	n
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	n	n	n	n	n	10	35	20	1	n	n	17	n	1	n	n	1	n	n	n	n	n	n	n
San Nicholas Island	n	n	n	n	n	n	2	1	n	n	51	14	2	n	n	1	2	n	n	n	n	n	n	n	n
Begg Rock	n	n	n	n	n	n	1	n	n	n	29	6	1	n	n	n	n	n	n	n	n	n	n	n	n
N. Anacapa Island	n	n	n	n	n	9	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Miguel Island	n	n	25	49	3	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colonies	n	n	n	n	n	n	2	4	5	14	n	n	2	28	14	n	n	12	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 2	n	n	n	n	n	n	n	1	4	14	n	n	1	28	14	n	n	12	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 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. Offshore Feeding	n	n	1	n	n	n	18	5	1	n	87	38	7	n	n	1	3	n	n	n	n	n	n	n	n
S. Offshore Feeding	n	n	n	n	n	n	n	n	n	n	15	5	n	n	n	59	2	n	14	1	2	n	1	n	n
Anacapa Island	n	n	n	n	n	17	35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Barbara Island	n	n	n	n	n	n	3	2	1	n	1	35	5	n	n	n	n	n	n	n	n	n	n	n	n
Coronados Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	3	1	n	n
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	n	n	1	42	83	31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	n	2	5	30	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 3	n	n	n	n	n	n	11	38	22	1	n	n	18	1	1	n	n	1	n	n	n	n	n	n	n
Coastal Feed. Area 4	n	n	n	n	n	n	1	16	70	**	n	n	12	91	52	n	n	45	n	n	n	n	n	n	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	3	n	n	n
Coastal Feed. Area 6	n	n	n	n	n	n	3	20	7	4	n	n	22	6	12	n	16	19	n	3	1	3	n	n	n
Coastal Feed. Area 7	n	n	n	n	n	n	1	n	n	n	n	7	3	n	n	1	24	1	5	21	8	10	n	n	n

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

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

Target	Hypothetical Spill Location																						
	T40	T41	T42	T43	T44	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19	L20
Land	n	n	n	n	n	26	20	17	n	1	20	n	15	20	61	71	84	80	67	92	n	5	6	66	37
N. Channel Islands	n	n	n	n	n	n	n	6	n	9	23	13	41	80	27	9	30	**	3	1	n	1	n	n	n
S. Channel Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n	n	n	n	n	n
Channel Islands	n	n	n	n	n	n	n	6	n	9	23	13	41	80	27	9	30	**	12	2	n	1	n	n	n
N. Sea Otter Range	n	n	n	n	n	13	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	32	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	40	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	59	99	n	n	n	1	n
San Nicholas Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	11	16	n	n
Begg Rock	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	13	17	n	n
N. Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	24	n	n	n	n	n	n	n
San Miguel Island	n	n	n	n	n	n	n	5	n	5	18	7	34	54	26	4	n	1	n	n	n	n	n	n	n
Least Tern Colonies	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	10	16	n	n	n	18	8
Least Tern Colony 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n
Least Tern Colony 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	17	4
Least Tern Colony 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	3
Least Tern Colony 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
N. Offshore Feeding	n	n	n	n	n	n	n	n	n	n	n	n	1	3	n	n	n	n	7	1	2	56	83	n	n
S. Offshore Feeding	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	2	32	52	n	n
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	23	1	n	n	n	n	n	n
Santa Barbara Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n
Coronados 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
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	n	n	n	n	n	n	n	5	n	n	41	n	14	2	65	80	3	5	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	5	94	86	n	n	n	n	n	n	n
Coastal Feed. Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	62	99	n	n	n	1	n
Coastal Feed. Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	58	20
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14
Coastal Feed. Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	18	9
Coastal Feed. Area 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	n

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

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

Target	Hypothetical Spill Location			
	L21	L22	L23	L24
Land	n	n	n	n
N. Channel Islands	n	n	n	n
S. Channel Islands	n	n	n	n
Channel Islands	n	n	n	n
N. Sea Otter Range	n	n	n	n
S. Sea Otter Range	n	n	n	n
Sea Otter Range	n	n	n	n
Santa Monica Bay	n	n	n	n
San Nicholas Island	n	n	n	n
Begg Rock	n	n	n	n
N. Anacapa Island	n	n	n	n
San Miguel Island	n	n	n	n
Least Tern Colonies	n	n	n	n
Least Tern Colony 1	n	n	n	n
Least Tern Colony 2	n	n	n	n
Least Tern Colony 3	n	n	n	n
Least Tern Colony 4	n	n	n	n
N. Offshore Feeding	n	n	n	n
S. Offshore Feeding	80	47	n	n
Anacapa Island	n	n	n	n
Santa Barbara Island	n	n	n	n
Coronados Islands	n	n	n	n
Guadalupe Island	n	n	n	n
Farallon Islands	n	n	n	n
Baja Islands	n	n	n	n
Coastal Feed. Area 1	n	n	n	n
Coastal Feed. Area 2	n	n	n	n
Coastal Feed. Area 3	n	n	n	n
Coastal Feed. Area 4	n	n	n	n
Coastal Feed. Area 5	n	n	n	n
Coastal Feed. Area 6	n	n	n	n
Coastal Feed. Area 7	n	n	n	n

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

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

Target	Hypothetical Spill Location																							
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
Land	7	2	55	76	93	65	40	73	85	88	67	76	58	53	49	n	2	n	n	12	3	31	29	5	27
N. Channel Islands	33	28	78	32	92	60	32	5	3	1	n	n	n	n	n	1	33	1	n	14	n	22	n	n	18
S. Channel Islands	n	n	n	n	n	11	32	23	11	2	1	n	n	n	n	n	n	n	n	n	n	1	n	n	11
Channel Islands	33	28	78	32	92	68	63	28	14	4	1	n	n	n	n	1	33	1	n	14	n	22	n	n	29
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	n	n	n	n	n	4	32	32	33	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
San Nicholas Island	n	n	n	n	n	10	23	10	6	2	1	n	1	1	n	n	1	1	1	20	5	47	46	14	35
Begg Rock	n	n	n	n	n	6	13	6	4	1	n	n	n	n	n	n	1	n	n	21	4	28	51	14	17
N. Anacapa Island	n	n	n	3	6	21	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
San Miguel Island	24	15	76	14	3	n	n	n	n	n	n	n	n	n	n	1	22	n	n	n	n	n	n	n	n
Least Tern Colonies	n	n	n	n	n	1	1	4	4	5	7	18	7	9	9	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 2	n	n	n	n	n	n	n	n	1	3	5	15	3	4	4	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 3	n	n	n	n	n	n	n	n	n	n	1	1	2	2	2	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 4	n	n	n	n	n	n	n	n	n	n	1	2	2	3	2	n	n	n	n	n	n	n	n	n	n
N. Offshore Feeding	5	4	2	1	n	28	54	24	13	4	1	1	1	1	n	1	15	9	5	77	52	97	98	73	79
S. Offshore Feeding	9	10	3	1	n	8	21	9	4	2	2	1	2	2	1	5	17	15	12	41	45	32	49	76	29
Anacapa Island	n	n	n	3	6	38	11	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2
Santa Barbara Island	n	n	n	n	n	6	22	6	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
Coronados Islands	n	n	n	n	n	n	n	n	n	1	4	2	3	4	8	n	n	n	n	n	n	n	n	n	n
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	1	n	24	67	39	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	2	12	46	48	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 3	n	n	n	n	n	1	5	39	34	35	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 4	n	n	n	n	n	n	n	3	9	36	27	48	11	11	12	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	1	3	8	9	12	18	17	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 6	n	n	n	n	n	n	n	9	21	21	24	19	17	8	7	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 7	n	n	n	n	n	1	6	5	3	3	12	7	17	17	11	n	n	n	n	n	n	n	n	n	1

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

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

Target	Hypothetical Spill Location																								
	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	29	33	1	n	n	n	n	36	22	6	1	n	n	n	n	66	48	12	2	1	n	1	n	63	68
N. Channel 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
S. Channel Islands	5	3	n	n	n	n	n	77	37	1	n	n	n	n	n	57	16	n	n	n	n	n	n	3	n
Channel Islands	5	3	n	n	n	n	n	78	37	1	n	n	n	n	n	57	16	n	n	n	n	n	n	3	n
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	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
San Nicholas Island	47	57	3	n	n	n	n	19	21	5	n	n	n	n	n	8	7	n	n	n	n	n	n	4	1
Begg Rock	19	19	n	n	n	n	n	9	5	n	n	n	n	n	n	4	1	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
San Miguel 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
Least Tern Colonies	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 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
Least Tern Colony 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
Least Tern Colony 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. Offshore Feeding	87	93	16	n	n	n	n	37	47	13	n	n	n	n	n	13	10	n	n	n	n	n	n	6	2
S. Offshore Feeding	33	34	94	62	19	96	72	22	29	51	75	99	35	62	n	9	20	31	40	59	5	n	n	8	7
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
Santa Barbara Island	1	1	n	n	n	n	n	46	5	n	n	n	n	n	n	13	1	n	n	n	n	n	n	n	n
Coronados Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	1
Guadalupe Island	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
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
Baja Islands	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
Coastal Feed. Area 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 3	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
Coastal Feed. Area 4	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
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n	n	n	n	n	n	n	11	1
Coastal Feed. Area 7	1	1	n	n	n	n	n	8	2	1	n	n	n	n	n	30	18	1	n	n	n	n	n	40	42

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

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

Target	Hypothetical Spill Location																								
	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75
Land	31	4	1	1	1	1	49	48	18	7	3	2	2	44	31	16	36	4	82	95	92	78	76	65	59
N. Channel Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	27	3	n	n	n	n	n
S. Channel Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	n	n	n	n
Channel Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	28	3	1	n	n	n	n
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	31	99	1	1	n	n	n
San Nicholas Island	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	6	2	1	n	1	n	n
Begg Rock	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	1	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	3	n	n	n	n	n	n
San Miguel 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
Least Tern Colonies	n	n	n	n	n	n	2	1	n	n	n	n	n	5	1	n	2	n	10	18	31	15	16	15	14
Least Tern Colony 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	n
Least Tern Colony 2	n	n	n	n	n	n	1	n	n	n	n	n	n	2	n	n	1	n	n	n	30	12	6	6	5
Least Tern Colony 3	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	1	2	9	5	3
Least Tern Colony 4	n	n	n	n	n	n	1	n	n	n	n	n	n	2	n	n	1	n	n	n	n	1	1	3	7
N. Offshore Feeding	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	17	5	1	1	1	1	n
S. Offshore Feeding	14	17	11	n	n	n	4	2	8	8	1	n	n	3	5	2	3	n	5	1	1	n	1	n	1
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14	1	n	n	n	n	n
Santa Barbara Island	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
Coronados Islands	n	n	n	n	n	n	6	5	1	n	n	n	n	8	2	n	7	n	n	n	1	1	1	1	2
Guadalupe 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
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
Baja Islands	n	n	n	1	2	2	n	n	n	n	n	2	3	n	n	n	n	1	n	n	n	n	n	n	n
Coastal Feed. Area 1	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
Coastal Feed. Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	11	n	n	n	n	n	n
Coastal Feed. Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	72	98	1	1	n	n	n
Coastal Feed. Area 4	n	n	n	n	n	n	3	2	n	n	n	n	n	5	1	n	3	n	n	n	**	65	45	20	19
Coastal Feed. Area 5	n	n	n	n	n	n	4	1	n	n	n	n	n	7	n	n	2	n	n	n	6	9	26	36	54
Coastal Feed. Area 6	n	n	n	n	n	n	7	1	n	n	n	n	n	3	1	n	2	n	n	n	5	17	14	16	12
Coastal Feed. Area 7	11	1	n	n	n	n	26	31	9	n	n	n	n	19	3	n	5	n	n	n	2	5	8	8	4

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

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

Target	Hypothetical Spill Location																							
	P76	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24
Land	30	74	7	1	8	1	1	1	n	3	1	53	9	7	4	21	19	16	38	80	71	92	90	90	88
N. Channel Islands	n	n	2	4	3	5	7	3	1	12	9	4	15	20	20	9	19	33	60	16	38	11	25	20	34
S. Channel Islands	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
Channel Islands	1	n	2	4	3	5	7	3	1	12	9	4	15	20	20	9	19	33	60	16	38	11	25	20	34
N. Sea Otter Range	n	17	17	2	14	1	n	n	n	1	n	15	5	1	n	12	2	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	86	1	n	1	n	n	n	n	n	n	43	n	n	n	4	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	91	18	2	15	1	n	n	n	1	n	52	6	1	n	16	2	n	n	n	n	n	n	n	n
Santa Monica Bay	n	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 Nicholas Island	74	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Begg Rock	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
N. Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	3	8	16	21
San Miguel Island	n	n	1	2	2	4	5	2	n	9	6	2	11	15	14	7	14	27	54	11	28	1	2	n	n
Least Tern Colonies	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8
Least Tern Colony 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8
Least Tern Colony 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
Least Tern Colony 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
Least Tern Colony 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. Offshore Feeding	91	n	n	n	n	1	1	1	n	2	2	n	1	3	4	1	3	3	2	1	1	n	n	n	1
S. Offshore Feeding	55	n	n	1	n	1	2	1	1	3	4	1	2	4	6	2	4	5	4	1	1	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	2	3	8	16	21
Santa Barbara 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
Coronados 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
Guadalupe 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
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
Baja 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
Coastal Feed. Area 1	n	n	n	n	1	1	1	n	n	2	n	n	5	4	1	5	8	22	31	90	65	95	58	3	3
Coastal Feed. Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	3	8	10	40	**	99
Coastal Feed. Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2
Coastal Feed. Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Target	Hypothetical Spill Location																							
	E25	E26	E27	S1	S2	S3	S4	S5	S6	S7	S8	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14
Land	34	89	1	74	95	93	92	96	91	93	93	9	25	64	38	67	34	12	11	1	4	2	n	n	n
N. Channel Islands	17	n	n	25	3	11	14	8	18	15	n	n	n	n	n	n	n	n	1	6	5	9	3	1	n
S. Channel Islands	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
Channel Islands	17	1	n	25	3	11	14	8	19	15	n	n	n	n	n	n	n	n	1	6	5	9	3	1	n
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	1	1	4	11	13	15	14	n	6	1	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	1	1	4	11	13	15	14	n	6	1	n	n	n
Santa Monica Bay	n	1	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Nicholas Island	47	1	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Begg Rock	41	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. Anacapa Island	n	n	n	1	n	5	11	6	12	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Miguel Island	n	n	n	20	2	1	n	n	n	n	n	n	n	n	n	n	n	n	1	5	3	6	2	1	n
Least Tern Colonies	n	28	n	n	n	n	n	n	41	15	25	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 1	n	n	n	n	n	n	n	n	41	15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 2	n	26	n	n	n	n	n	n	n	n	24	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colony 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
Least Tern Colony 4	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. Offshore Feeding	**	1	n	1	n	n	n	n	1	5	n	n	n	n	n	n	n	n	n	1	n	2	1	1	n
S. Offshore Feeding	34	1	20	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	1	1	3	3	3	n
Anacapa Island	n	n	n	1	n	5	11	6	13	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Barbara Island	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
Coronados Islands	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
Guadalupe 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
Farallon Islands	n	n	n	n	n	n	n	n	n	n	n	14	60	35	34	2	n	n	n	n	n	n	n	n	n
Baja 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
Coastal Feed. Area 1	n	n	n	98	**	90	1	1	2	1	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n
Coastal Feed. Area 2	n	n	n	3	2	33	**	**	93	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 3	n	1	n	n	n	n	n	n	45	98	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 4	n	91	n	n	n	n	n	n	n	n	**	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 5	n	7	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 6	n	9	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 7	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

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

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

Target	Hypothetical Spill Location																								
	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39
Land	n	n	12	66	88	94	55	84	91	93	38	37	79	90	79	8	62	76	8	48	28	47	37	15	10
N. Channel Islands	n	n	35	60	20	98	53	4	1	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n
S. Channel Islands	n	n	n	n	n	n	10	6	2	1	5	78	25	1	n	n	1	1	n	n	n	n	n	n	n
Channel Islands	n	n	35	60	20	98	62	9	3	1	5	79	27	1	n	n	1	1	n	n	n	n	n	n	n
N. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	n	n	n	n	n	12	38	20	1	n	n	20	1	1	n	n	1	n	n	n	n	n	n	n
San Nicholas Island	n	n	n	n	n	n	17	6	1	1	54	21	7	n	n	1	2	1	n	n	n	1	n	n	n
Begg Rock	n	n	n	n	n	n	9	3	1	n	30	9	4	n	n	n	n	n	n	n	n	n	n	n	n
N. Anacapa Island	n	n	n	2	3	10	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
San Miguel Island	n	n	26	50	4	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Least Tern Colonies	n	n	n	n	n	n	2	5	6	15	n	n	3	29	16	n	1	15	n	2	1	6	n	n	n
Least Tern Colony 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
Least Tern Colony 2	n	n	n	n	n	n	n	2	4	14	n	n	1	28	14	n	n	12	n	1	n	3	n	n	n
Least Tern Colony 3	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	1	n	n	n	1	n	n	n
Least Tern Colony 4	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	1	2	n	1	n	2	n	n	n
N. Offshore Feeding	n	n	4	1	n	1	44	14	3	1	88	44	15	1	1	1	4	1	n	1	n	1	n	n	n
S. Offshore Feeding	n	1	7	2	n	n	12	4	1	n	30	23	6	1	1	63	7	2	17	3	3	2	2	n	n
Anacapa Island	n	n	n	2	3	18	36	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n
Santa Barbara Island	n	n	n	n	n	n	5	2	1	n	1	35	5	1	n	n	n	n	n	n	n	n	n	n	n
Coronados Islands	n	n	n	n	n	n	n	1	1	1	n	n	n	1	1	n	2	2	n	5	3	7	3	n	n
Guadalupe 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
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
Baja Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	8
Coastal Feed. Area 1	n	n	1	50	84	32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	n	6	10	31	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 3	n	n	n	n	n	n	14	42	22	1	n	1	21	1	1	n	n	1	n	n	n	n	n	n	n
Coastal Feed. Area 4	n	n	n	n	n	n	1	17	70	**	n	n	12	92	54	n	1	47	n	3	2	6	1	n	n
Coastal Feed. Area 5	n	n	n	n	n	n	n	1	4	5	n	n	n	7	9	n	3	10	n	5	3	10	n	n	n
Coastal Feed. Area 6	n	n	n	n	n	n	4	21	8	6	n	1	23	8	16	n	17	21	n	4	3	7	n	n	n
Coastal Feed. Area 7	n	n	n	n	n	n	2	2	3	2	1	10	4	3	6	1	29	7	5	26	11	18	1	n	n

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

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

Target	Hypothetical Spill Location																							
	T40	T41	T42	T43	T44	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19	L20
Land	18	8	1	n	n	36	28	23	n	3	24	n	19	22	73	85	93	87	83	96	n	6	8	82	66
N. Channel Islands	n	n	n	n	n	n	3	14	2	16	29	14	45	81	31	19	34	**	5	2	n	1	n	n	n
S. Channel Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	10	1	n	n	n	1	n
Channel Islands	n	n	n	n	n	n	3	14	2	16	29	14	45	81	31	19	34	**	15	3	n	1	n	1	n
N. Sea Otter Range	n	n	n	n	n	27	18	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
S. Sea Otter Range	n	n	n	n	n	34	9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Sea Otter Range	n	n	n	n	n	54	26	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Santa Monica Bay	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	61	99	n	n	n	1	1
San Nicholas Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	2	1	13	17	1	1
Begg Rock	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	1	1	14	17	n	n
N. Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	14	25	n	n	n	n	n	n	n
San Miguel Island	n	n	n	n	n	n	2	11	1	12	23	8	37	56	27	5	n	1	n	n	n	n	n	n	n
Least Tern Colonies	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	11	16	n	n	n	20	13
Least Tern Colony 1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n
Least Tern Colony 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	18	7
Least Tern Colony 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	5
Least Tern Colony 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2
N. Offshore Feeding	n	n	n	n	n	n	n	2	1	3	3	3	3	8	1	n	n	2	17	4	4	57	83	1	1
S. Offshore Feeding	n	n	n	n	n	n	n	3	1	5	5	7	6	10	1	1	n	n	6	1	9	44	60	1	1
Anacapa Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	14	24	2	1	n	n	n	n	n
Santa Barbara Island	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	n	n	n	n	n	n
Coronados Islands	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1
Guadalupe Island	2	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
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
Baja Islands	21	12	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
Coastal Feed. Area 1	n	n	n	n	n	n	1	6	n	n	41	n	15	2	70	82	3	5	n	n	n	n	n	n	n
Coastal Feed. Area 2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	10	94	87	1	n	n	n	n	n	n
Coastal Feed. Area 3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	64	99	n	n	n	2	1
Coastal Feed. Area 4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	59	28
Coastal Feed. Area 5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	19
Coastal Feed. Area 6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	20	18
Coastal Feed. Area 7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	6	6

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

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

Target	Hypothetical Spill Location			
	L21	L22	L23	L24
Land	n	1	1	1
N. Channel Islands	n	n	n	n
S. Channel Islands	n	n	n	n
Channel Islands	n	n	n	n
N. Sea Otter Range	n	n	n	n
S. Sea Otter Range	n	n	n	n
Sea Otter Range	n	n	n	n
Santa Monica Bay	n	n	n	n
San Nicholas Island	n	n	n	n
Begg Rock	n	n	n	n
N. Anacapa Island	n	n	n	n
San Miguel Island	n	n	n	n
Least Tern Colonies	n	n	n	n
Least Tern Colony 1	n	n	n	n
Least Tern Colony 2	n	n	n	n
Least Tern Colony 3	n	n	n	n
Least Tern Colony 4	n	n	n	n
N. Offshore Feeding	n	n	n	n
S. Offshore Feeding	80	47	n	n
Anacapa Island	n	n	n	n
Santa Barbara Island	n	n	n	n
Coronados Islands	n	n	n	n
Guadalupe Island	n	n	n	n
Farallon Islands	n	n	n	n
Baja Islands	n	n	1	1
Coastal Feed. Area 1	n	n	n	n
Coastal Feed. Area 2	n	n	n	n
Coastal Feed. Area 3	n	n	n	n
Coastal Feed. Area 4	n	n	n	n
Coastal Feed. Area 5	n	n	n	n
Coastal Feed. Area 6	n	n	n	n
Coastal Feed. Area 7	n	n	n	n

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

Table 5. -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment 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
14	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
15	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
16	n	n	n	n	35	8	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	2	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	2	1	15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1
25	n	n	n	n	n	n	n	4	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	n	1	2	30	9	4	n	n	n	n	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	1	7	25	1	n	n	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	3	14	3	n
29	n	n	n	n	n	n	n	1	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	3	15	12	11	3	2	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	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 5. (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																								
	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	5	20	1	n	n	n	n	n	4	1	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	n	n	n	n	n	n	8	n	n	n	n	n	n	n	5	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	14	3	n	n	n	n	n	2	20
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	4	n	n	n	n	n	n	8	18

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

Table 5. (Continued) -- Probabilities (expressed as percent chance) that an oilspill starting at a particular location will contact a certain land segment 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	P69	P70	P71	P72	P73	P74	P75
17	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
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	12	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	21	9	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	46	22	1	n	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	52	4	n	n	n
29	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
30	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
31	26	n	n	n	n	n	n	n	1	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n
32	n	n	n	n	n	n	2	14	n	n	n	n	n	4	n	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	8	1	n	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	7	n	n
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	12	4	n
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	8

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

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

Land Segment	Hypothetical Spill Location																								
	P76	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24
10	n	16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	n	n	28	n	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	2	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	4	2	3	23	1	2	n	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	15	1	36	3	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	26	44	41	14
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	33	38
19	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	8	n	n	n	n	n	n
28	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

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

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

Land Segment	Hypothetical Spill Location																							
	E25	E26	E27	S1	S2	S3	S4	S5	S6	S7	S8	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14
1	n	n	n	n	n	n	n	n	n	n	n	n	3	4	2	n	n	n	n	n	n	n	n	n	n
2	n	n	n	n	n	n	n	n	n	n	n	n	1	21	1	n	n	n	n	n	n	n	n	n	n
3	n	n	n	n	n	n	n	n	n	n	n	n	n	13	1	n	n	n	n	n	n	n	n	n	n
4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n
5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	1	n	n	n	n	n	n	n	n
14	n	n	n	30	13	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	n	4	54	25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	n	2	46	51	4	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	29	85	57	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	8	41	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	24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	n	11	n	n	n	n	n	n	n	n	36	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27	n	53	n	n	n	n	n	n	n	n	39	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	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

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

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

Land Segment	Hypothetical Spill Location																							
	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39
14	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	n	n	20	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	6	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	6	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	30	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	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
26	n	n	n	n	n	n	n	9	57	58	n	n	5	10	2	n	n	11	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	2	17	n	n	n	56	13	n	n	19	n	n	n	n	n	n	n
28	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
29	n	n	n	n	n	n	n	1	n	n	n	n	3	n	n	n	4	n	n	n	n	n	n	n	n
30	n	n	n	n	n	n	1	10	1	n	n	n	15	n	2	n	3	8	n	1	n	n	n	n	n
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	5	n	1	1	n	n	n	n	n
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	7	2	1	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																								
	T40	T41	T42	T43	T44	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19	L20
10	n	n	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	12	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	7	7	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	1	n	n	11	n	1	n	5	1	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	20	9	n	n	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	30	5	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	36	12	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n
19	n	n	n	n	n	n	n	n	n	n	n	n	2	13	3	n	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	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	n	2	2	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	54	n	n	n	9	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	32	n
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	9	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	n	1
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	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 6. -- 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
14	n	n	5	8	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	4	29	10	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	2	14	54	19	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	4	21	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	6	2	28	2	n	n	n	n	n	n	n	n	n	n	n	n	1	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	n	n
22	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
23	n	n	n	1	14	5	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
24	n	n	n	n	n	2	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1
25	n	n	n	n	n	n	1	17	7	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	1	14	22	48	10	6	1	n	n	n	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	n	3	9	32	5	1	n	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	1	2	1	1	n	n	n	n	n	n	n	n	n	n	9	1	22	27	4	9
29	n	n	n	n	n	n	n	2	3	n	1	n	1	n	n	n	n	n	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	8	22	20	18	13	9	2	n	n	n	n	n	n	n	n	n	n	n
31	n	n	n	n	n	2	4	1	n	n	1	n	1	1	1	n	n	n	n	n	n	n	n	n	1
32	n	n	n	n	n	n	2	2	1	1	3	n	4	5	4	n	n	n	n	n	n	n	n	n	n
33	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
35	n	n	n	n	n	n	n	n	n	n	n	n	1	3	1	n	n	n	n	n	n	n	n	n	n
36	n	n	n	n	n	n	n	n	n	n	n	n	1	3	4	n	n	n	n	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																							
	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
28	21	30	1	n	n	n	n	6	11	2	n	n	n	n	n	2	3	n	n	n	n	n	n	2	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	9	n	n	n	n	n	n	n	6	1
31	n	n	n	n	n	n	n	15	5	1	1	n	n	n	n	9	28	8	1	n	n	n	n	9	25
32	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	18	10	n	n	n	n	n	n	28	31

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

Table 6. (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	P69	P70	P71	P72	P73	P74	P75
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14	1	n	n	n	n	n
23	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
24	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
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	37	21	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	8	69	23	3	1	n	n
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	55	22	9	2	n
29	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n
30	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	11	6	2	n
31	27	1	n	n	n	n	3	1	2	n	n	n	n	2	1	n	1	n	n	n	n	n	n	n	n
32	n	n	n	n	n	n	14	23	1	n	n	n	n	11	n	n	1	n	n	n	n	n	1	1	1
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	4	1	n
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	8	1	n
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	19	12	2
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	10	20
37	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1

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

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

Land Segment	Hypothetical Spill Location																							
	P76	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24
9	n	1	1	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	23	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	46	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	n	n	n	n	n	32	n	n	n	3	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	n	n	n	n	n	8	n	n	n	3	4	n	n	n	n	n	n	n	n
14	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	4	8	3	5	29	9	4	2	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	33	27	48	16	1	1
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	10	32	52	42	26
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	35	49
19	n	n	n	n	n	n	n	n	n	n	n	n	1	2	2	n	2	9	23	2	3	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	3
28	29	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 6. (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																							
	E25	E26	E27	S1	S2	S3	S4	S5	S6	S7	S8	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14
1	n	n	n	n	n	n	n	n	n	n	n	1	7	11	5	n	n	n	n	n	n	n	n	n	n
2	n	n	n	n	n	n	n	n	n	n	n	n	3	26	3	n	n	n	n	n	n	n	n	n	n
3	n	n	n	n	n	n	n	n	n	n	n	n	4	18	3	n	n	n	n	n	n	n	n	n	n
4	n	n	n	n	n	n	n	n	n	n	n	n	1	2	3	3	1	n	n	n	n	n	n	n	n
5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	29	11	n	n	n	n	n	n	n	n
6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	13	7	n	n	n	n	n	n	n	n
14	n	n	n	37	16	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	n	15	70	31	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	3	6	51	53	5	9	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	n	31	87	65	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	9	43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
23	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
25	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
26	n	13	n	n	n	n	n	n	n	1	38	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27	n	56	n	n	n	n	n	n	n	n	42	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	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
30	n	6	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																							
	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39
14	n	n	1	7	6	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	n	17	49	10	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	9	19	35	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	5	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	10	11	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	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
23	n	n	n	1	1	36	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	4	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	4	6	1	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	5	32	65	59	n	n	18	11	6	n	n	13	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	1	4	20	n	n	1	60	33	n	n	22	n	n	n	n	n	n	n
28	n	n	n	n	n	n	1	n	n	n	33	6	1	n	n	n	1	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	n	2	n	n	n	n	4	n	n	n	6	1	n	1	n	1	n	n	n
30	n	n	n	n	n	n	4	21	6	4	n	n	23	5	11	n	4	16	n	1	1	1	n	n	n
31	n	n	n	n	n	n	1	n	n	n	1	10	1	n	n	5	11	n	1	2	1	1	n	n	n
32	n	n	n	n	n	n	n	n	n	n	n	5	2	n	n	n	16	n	1	16	5	7	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n
35	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

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

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

Land Segment	Hypothetical Spill Location																								
	T40	T41	T42	T43	T44	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19	L20
9	n	n	n	n	n	2	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	n	9	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	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
12	n	n	n	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	11	11	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	5	n	n	12	n	2	1	11	8	n	n	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	36	47	1	1	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	14	37	32	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	42	39	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n
19	n	n	n	n	n	n	n	2	n	1	7	n	13	19	7	1	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	4	6	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	n	18	14	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	38	77	n	n	n	11	1
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	36	8
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	6	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	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	6	n	n	n	n	16	7
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	1	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	n	2
34	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
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	9
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	5

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

Table 7. -- 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
14	n	n	7	10	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	8	33	11	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	4	18	54	19	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	5	22	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	7	2	30	3	n	n	n	n	n	n	n	n	n	n	n	n	1	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	n	n
22	n	n	n	n	n	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1
23	n	n	3	10	19	9	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1
24	n	n	n	n	n	3	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	2
25	n	n	n	n	n	n	2	20	10	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	2	18	26	50	10	6	1	1	1	n	n	n	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	n	1	4	10	33	7	6	6	n	n	n	n	n	n	n	n	n	n
28	n	n	n	n	n	6	12	6	4	1	n	n	1	n	n	n	1	n	n	11	2	28	29	5	19
29	n	n	n	n	n	n	n	2	3	1	1	1	2	1	1	n	n	n	n	n	n	n	n	n	n
30	n	n	n	n	n	n	n	9	23	20	20	16	11	6	5	n	n	n	n	n	n	n	n	n	n
31	n	n	n	n	n	3	8	3	2	1	2	1	3	2	1	n	n	n	n	n	n	n	n	n	3
32	n	n	n	n	n	1	4	4	2	2	10	6	14	13	8	n	n	n	n	n	n	n	n	n	1
33	n	n	n	n	n	n	n	n	n	n	n	1	1	1	2	n	n	n	n	n	n	n	n	n	n
34	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
35	n	n	n	n	n	n	n	n	n	1	2	3	5	6	4	n	n	n	n	n	n	n	n	n	n
36	n	n	n	n	n	n	n	n	1	2	5	6	6	11	11	n	n	n	n	n	n	n	n	n	n
37	n	n	n	n	n	n	n	n	n	n	2	n	1	1	3	n	n	n	n	n	n	n	n	n	n
38	n	n	n	n	n	n	n	n	n	n	1	n	1	1	3	n	n	n	n	n	n	n	n	n	n
39	n	n	n	n	n	n	n	n	n	n	1	n	n	1	1	n	n	n	n	n	n	n	n	n	n

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

Table 7. (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
26	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
28	26	31	1	n	n	n	n	10	12	2	n	n	n	n	n	5	4	n	n	n	n	n	n	2	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	n	n	n	n	n	n	n	7	1
30	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
31	2	2	n	n	n	n	n	20	8	3	1	n	n	n	n	13	30	9	2	n	n	n	n	11	26
32	n	n	n	n	n	n	n	5	1	n	n	n	n	n	n	22	12	n	n	n	n	n	n	32	32
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	1	n	n	n	n	n	3	3
39	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	1	1	n	n	n	n	n	3	3
57	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 7. (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	P69	P70	P71	P72	P73	P74	P75
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	7	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	14	1	n	n	n	n	n
23	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
24	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n
25	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
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	10	70	24	4	3	1	1
27	n	n	n	n	n	n	1	1	n	n	n	n	n	2	n	n	2	n	n	n	55	24	13	11	10
28	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	4	1	n	n	n	n	n
29	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	1
30	n	n	n	n	n	n	2	n	n	n	n	n	n	2	1	n	2	n	n	n	4	15	10	12	9
31	27	1	n	n	n	n	5	2	2	n	n	n	n	2	1	n	1	n	1	n	n	1	2	1	1
32	n	n	n	n	n	n	20	25	1	n	n	n	n	13	1	n	3	n	n	n	2	4	6	6	3
33	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	1	n	n	n	n	10	5	2	2
34	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	8	1	2
35	n	n	n	n	n	n	1	n	n	n	n	n	n	1	n	n	n	n	n	n	2	7	21	14	5
36	n	n	n	n	n	n	3	1	n	n	n	n	n	4	n	n	2	n	n	n	3	4	3	11	22
37	n	n	n	n	n	n	2	2	n	n	n	n	n	3	n	n	2	n	n	n	n	n	n	n	1
38	1	1	n	n	n	n	5	8	5	1	n	n	n	7	11	4	11	n	n	n	n	n	n	n	1
39	1	1	n	n	n	n	3	8	7	2	n	n	n	5	13	6	10	n	n	n	n	n	n	n	n
40	n	n	n	n	n	n	n	1	1	n	n	n	n	n	1	1	1	n	n	n	n	n	n	n	n
43	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n
44	1	1	n	n	n	n	n	n	1	2	1	n	n	n	1	2	n	1	n	n	n	n	n	n	n
45	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	1	n	1	n	n	n	n	n	n	n
57	n	n	n	1	1	1	n	n	n	n	n	1	2	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 7. (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																							
	P76	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10	E11	E12	E13	E14	E15	E16	E17	E18	E19	E20	E21	E22	E23	E24
9	n	5	5	1	5	n	n	n	n	n	n	6	2	n	n	3	n	n	n	n	n	n	n	n	n
10	n	23	1	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	46	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	1	n	n	n	n	n	n	32	n	n	n	4	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	n	n	n	n	n	9	n	n	n	5	4	n	n	n	n	n	n	n	n
14	n	n	n	n	1	n	n	n	n	n	n	1	2	1	n	6	8	3	6	30	11	4	3	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	37	32	49	17	1	1
16	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	7	14	34	54	44	26
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	37	50
18	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
19	n	n	n	1	1	1	1	n	n	3	1	1	4	5	4	2	5	12	25	3	5	n	1	n	n
21	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
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	7	4	14	8	9
28	29	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	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																							
	E25	E26	E27	S1	S2	S3	S4	S5	S6	S7	S8	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	T14
1	n	n	n	n	n	n	n	n	n	n	n	3	9	12	7	n	n	n	n	n	n	n	n	n	n
2	n	n	n	n	n	n	n	n	n	n	n	2	4	26	3	n	n	n	n	n	n	n	n	n	n
3	n	n	n	n	n	n	n	n	n	n	n	2	5	19	3	n	n	n	n	n	n	n	n	n	n
4	n	n	n	n	n	n	n	n	n	n	n	1	1	2	3	4	1	n	n	n	n	n	n	n	n
5	n	n	n	n	n	n	n	n	n	n	n	1	3	3	12	36	15	1	n	n	n	n	n	n	n
6	n	n	n	n	n	n	n	n	n	n	n	1	3	3	10	26	14	1	n	n	n	n	n	n	n
9	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	10	10	n	2	n	n	n	n
14	n	n	n	38	16	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	n	20	71	32	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	6	7	52	54	5	10	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	n	1	33	87	66	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	9	43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	n	7	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	1	n	n	n
21	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
23	n	n	n	2	n	5	5	3	3	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	n	n	1	35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
26	n	13	n	n	n	n	n	n	n	2	38	n	n	n	n	n	n	n	n	n	n	n	n	n	n
27	n	57	n	n	n	n	n	n	n	n	42	n	n	n	n	n	n	n	n	n	n	n	n	n	n
28	33	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
30	n	8	n	n	n	n	n	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n	n	n
31	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
32	n	2	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n
35	n	2	n	n	n	n	n	n	n	n	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n
36	n	4	n	n	n	n	n	n	n	n	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

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

Land Segment	Hypothetical Spill Location																								
	T15	T16	T17	T18	T19	T20	T21	T22	T23	T24	T25	T26	T27	T28	T29	T30	T31	T32	T33	T34	T35	T36	T37	T38	T39
14	n	n	1	9	7	2	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
15	n	n	n	22	50	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
16	n	n	n	12	21	35	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
17	n	n	n	n	1	5	3	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
19	n	n	10	13	1	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
21	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
23	n	n	n	7	7	38	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
24	n	n	n	n	n	n	6	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
25	n	n	n	n	n	n	6	11	2	n	n	n	5	n	n	n	n	n	n	n	n	n	n	n	n
26	n	n	n	n	n	n	8	37	67	60	n	n	22	11	6	n	n	13	n	n	n	n	n	n	n
27	n	n	n	n	n	n	n	2	5	20	n	n	2	60	35	n	n	23	n	1	1	3	n	n	n
28	n	n	n	n	n	n	10	3	1	n	35	11	4	n	n	n	2	n	n	n	n	n	n	n	n
29	n	n	n	n	n	n	1	2	n	n	n	n	4	n	n	n	6	1	n	1	n	1	n	n	n
30	n	n	n	n	n	n	4	22	7	6	n	n	24	7	15	n	5	18	n	2	1	4	n	n	n
31	n	n	n	n	n	n	3	1	1	1	2	15	3	n	1	6	13	1	1	3	1	3	n	n	n
32	n	n	n	n	n	n	1	1	2	1	n	7	3	2	5	1	21	6	1	20	8	14	n	n	n
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6	n	n	n	n	n	n	1	n	n	n
34	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
35	n	n	n	n	n	n	n	n	1	2	n	n	n	2	6	n	1	2	n	1	n	2	n	n	n
36	n	n	n	n	n	n	n	1	3	3	n	n	n	4	4	n	2	7	n	3	2	7	n	n	n
37	n	n	n	n	n	n	n	n	1	n	n	n	n	n	n	n	1	1	n	2	1	2	1	n	n
38	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1	1	6	5	4	13	2	n
39	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	2	n	2	5	5	3	17	3	n
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
42	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
43	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	2	1
44	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	1	n	1	4	1
45	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3	1
57	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	6

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

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

Land Segment	Hypothetical Spill Location																								
	T40	T41	T42	T43	T44	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L17	L18	L19	L20
9	n	n	n	n	n	9	6	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
10	n	n	n	n	n	11	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
11	n	n	n	n	n	15	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
12	n	n	n	n	n	n	7	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
13	n	n	n	n	n	n	12	11	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
14	n	n	n	n	n	n	1	6	n	n	12	n	3	1	13	9	n	1	n	n	n	n	n	n	n
15	n	n	n	n	n	n	n	n	n	n	n	n	1	1	40	49	1	1	n	n	n	n	n	n	n
16	n	n	n	n	n	n	n	n	n	n	1	n	1	n	9	17	38	33	n	n	n	n	n	n	n
17	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	43	40	n	n	n	n	n	n	n
18	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	1	n	n	n	n	n	n
19	n	n	n	n	n	n	n	4	n	2	9	n	14	20	9	1	n	n	n	n	n	n	n	n	n
23	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	7	10	10	n	n	n	n	n	n	n
24	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
25	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	21	16	n	n	n	n	n
26	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	41	77	n	n	n	11	2
27	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	36	14
28	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	5	1	n	6	8	n	n
29	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	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	6	n	n	n	n	18	13
31	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	n	n	n	n	1	1
32	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	1	n	n	n	n	5	5
33	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	3
34	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
35	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	2	12
36	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	4	7
37	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
38	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
57	16	7	1	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

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

Table 7. (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			
	L21	L22	L23	L24
57	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 6. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, most likely volume scenario.

Target	Within 3 days						Within 10 days						Within 30 days					
	PROPOSED		EXISTING AND IMPORTS		PROPOSED EXISTING & IMPORT		PROPOSED		EXISTING AND IMPORTS		PROPOSED EXISTING & IMPORT		PROPOSED		EXISTING AND IMPORTS		PROPOSED EXISTING & IMPORT	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	15	0.2	96	3.2	96	3.3	26	0.3	**	5.5	**	5.7	33	0.4	**	6.8	**	7.1
N. Channel Islands	9	0.1	69	1.2	71	1.2	11	0.1	82	1.7	84	1.8	11	0.1	87	2.1	89	2.2
S. Channel Islands	2	0.0	3	0.0	5	0.1	2	0.0	6	0.1	8	0.1	2	0.0	8	0.1	10	0.1
Channel Islands	10	0.1	70	1.2	73	1.3	13	0.1	83	1.8	85	1.9	14	0.1	88	2.2	90	2.3
N. Sea Otter Range	n	0.0	n	0.0	n	0.0	n	0.0	6	0.1	6	0.1	n	0.0	28	0.3	27	0.3
S. Sea Otter Range	n	0.0	4	0.0	4	0.0	n	0.0	8	0.1	8	0.1	n	0.0	8	0.1	8	0.1
Sea Otter Range	n	0.0	4	0.0	4	0.0	n	0.0	12	0.1	12	0.1	n	0.0	33	0.4	32	0.4
Santa Monica Bay	4	0.0	5	0.0	9	0.1	5	0.1	14	0.1	18	0.2	5	0.1	15	0.2	20	0.2
San Nicholas Island	1	0.0	1	0.0	2	0.0	1	0.0	4	0.0	5	0.1	2	0.0	11	0.1	13	0.1
Begg Rock	n	0.0	1	0.0	2	0.0	1	0.0	3	0.0	4	0.0	1	0.0	7	0.1	8	0.1
N. Anacapa Island	n	0.0	9	0.1	9	0.1	n	0.0	15	0.2	15	0.2	1	0.0	23	0.3	23	0.3
San Miguel Island	5	0.0	32	0.4	35	0.4	6	0.1	51	0.7	54	0.8	7	0.1	59	0.9	62	1.0
Least Tern Colonies	2	0.0	31	0.4	32	0.4	3	0.0	33	0.4	35	0.4	4	0.0	35	0.4	38	0.5
Least Tern Colony 1	n	0.0	4	0.0	4	0.0	n	0.0	4	0.0	4	0.0	n	0.0	4	0.0	4	0.0
Least Tern Colony 2	1	0.0	28	0.3	29	0.3	2	0.0	29	0.3	31	0.4	2	0.0	30	0.4	31	0.4
Least Tern Colony 3	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0
Least Tern Colony 4	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	2	0.0
N. Offshore Feeding	2	0.0	6	0.1	9	0.1	4	0.0	14	0.1	17	0.2	6	0.1	29	0.3	33	0.4
S. Offshore Feeding	2	0.0	n	0.0	2	0.0	4	0.0	2	0.0	5	0.1	6	0.1	21	0.2	26	0.3
Anacapa Island	n	0.0	16	0.2	16	0.2	1	0.0	21	0.2	22	0.2	1	0.0	29	0.3	30	0.4
Santa Barbara Island	1	0.0	1	0.0	2	0.0	1	0.0	3	0.0	3	0.0	1	0.0	4	0.0	5	0.0
Coronados Islands	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	3	0.0	4	0.0
Guadalupe Island	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Farallon Islands	n	0.0	72	1.3	70	1.2	n	0.0	80	1.6	78	1.5	n	0.0	82	1.7	80	1.6
Baja Islands	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Coastal Feed. Area 1	4	0.0	68	1.1	69	1.2	7	0.1	80	1.6	82	1.7	7	0.1	82	1.7	83	1.8
Coastal Feed. Area 2	3	0.0	64	1.0	65	1.0	4	0.0	66	1.1	68	1.1	4	0.0	69	1.2	70	1.2
Coastal Feed. Area 3	4	0.0	15	0.2	19	0.2	6	0.1	24	0.3	28	0.3	6	0.1	26	0.3	30	0.3
Coastal Feed. Area 4	8	0.1	77	1.5	79	1.6	9	0.1	78	1.5	80	1.6	10	0.1	78	1.5	80	1.6
Coastal Feed. Area 5	1	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	3	0.0	11	0.1	13	0.1
Coastal Feed. Area 6	1	0.0	9	0.1	11	0.1	3	0.0	21	0.2	24	0.3	4	0.0	24	0.3	27	0.3
Coastal Feed. Area 7	1	0.0	n	0.0	1	0.0	2	0.0	1	0.0	3	0.0	3	0.0	7	0.1	10	0.1

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

Table 9. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting land segments over the expected production life of the lease area, most likely volume scenario.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	PROPOSED		EXISTING AND IMPORTS		PROPOSED EXISTING & IMPORT		PROPOSED		EXISTING AND IMPORTS		PROPOSED EXISTING & IMPORT		PROPOSED		EXISTING AND IMPORTS		PROPOSED EXISTING & IMPORT	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
1	n	0.0	11	0.1	10	0.1	n	0.0	25	0.3	23	0.3	n	0.0	30	0.4	28	0.3
2	n	0.0	24	0.3	23	0.3	n	0.0	33	0.4	31	0.4	n	0.0	36	0.4	34	0.4
3	n	0.0	16	0.2	15	0.2	n	0.0	27	0.3	25	0.3	n	0.0	30	0.4	29	0.3
4	n	0.0	n	0.0	n	0.0	n	0.0	4	0.0	4	0.0	n	0.0	7	0.1	7	0.1
5	n	0.0	1	0.0	1	0.0	n	0.0	10	0.1	9	0.1	n	0.0	20	0.2	19	0.2
6	n	0.0	n	0.0	n	0.0	n	0.0	4	0.0	4	0.0	n	0.0	18	0.2	17	0.2
7	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0	9	0.1	9	0.1
10	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	1	0.0
11	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	1	0.0
12	n	0.0	2	0.0	2	0.0	n	0.0	5	0.1	5	0.1	n	0.0	6	0.1	6	0.1
13	n	0.0	6	0.1	6	0.1	n	0.0	9	0.1	9	0.1	n	0.0	10	0.1	10	0.1
14	n	0.0	12	0.1	13	0.1	1	0.0	22	0.3	23	0.3	1	0.0	26	0.3	26	0.3
15	2	0.0	24	0.3	25	0.3	4	0.0	48	0.6	49	0.7	4	0.0	51	0.7	53	0.7
16	1	0.0	32	0.4	33	0.4	2	0.0	51	0.7	52	0.7	3	0.0	54	0.8	55	0.8
17	1	0.0	26	0.3	27	0.3	1	0.0	34	0.4	35	0.4	1	0.0	36	0.4	36	0.5
18	n	0.0	4	0.0	4	0.0	n	0.0	5	0.0	5	0.0	n	0.0	5	0.0	5	0.1
19	1	0.0	7	0.1	7	0.1	2	0.0	20	0.2	22	0.2	2	0.0	26	0.3	27	0.3
21	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	1	0.0
23	n	0.0	9	0.1	9	0.1	n	0.0	15	0.2	15	0.2	1	0.0	27	0.3	28	0.3
24	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0	2	0.0	2	0.0
25	n	0.0	2	0.0	3	0.0	1	0.0	6	0.1	7	0.1	2	0.0	8	0.1	9	0.1
26	4	0.0	41	0.5	43	0.6	7	0.1	47	0.6	50	0.7	7	0.1	48	0.7	52	0.7
27	3	0.0	44	0.5	46	0.6	4	0.0	47	0.6	49	0.7	4	0.0	48	0.6	50	0.7
28	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	3	0.0	1	0.0	6	0.1	8	0.1
29	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	2	0.0
30	1	0.0	9	0.1	10	0.1	3	0.0	20	0.2	22	0.3	3	0.0	23	0.3	25	0.3
31	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	3	0.0	4	0.0
32	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	2	0.0	2	0.0	6	0.1	8	0.1
35	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	4	0.0	4	0.0
36	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	7	0.1	8	0.1
37	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
39	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0

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

Table 10. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, conditional mean volume scenario.

Target	Within 3 days						Within 10 days						Within 30 days					
	PROPOSED		EXISTING AND IMPORTS		PROPOSED EXISTING & IMPORT		PROPOSED		EXISTING AND IMPORTS		PROPOSED EXISTING & IMPORT		PROPOSED		EXISTING AND IMPORTS		PROPOSED EXISTING & IMPORT	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	48	0.7	96	3.2	97	3.7	72	1.3	**	5.5	**	6.3	82	1.7	**	6.8	**	7.9
N. Channel Islands	31	0.4	69	1.2	76	1.4	38	0.5	82	1.7	87	2.1	41	0.5	87	2.1	92	2.5
S. Channel Islands	10	0.1	3	0.0	13	0.1	12	0.1	6	0.1	17	0.2	13	0.1	8	0.1	19	0.2
Channel Islands	39	0.5	70	1.2	80	1.6	46	0.6	83	1.8	90	2.3	48	0.7	88	2.2	93	2.7
N. Sea Otter Range	n	0.0	n	0.0	n	0.0	n	0.0	6	0.1	5	0.1	n	0.0	28	0.3	25	0.3
S. Sea Otter Range	n	0.0	4	0.0	4	0.0	n	0.0	8	0.1	8	0.1	n	0.0	8	0.1	8	0.1
Sea Otter Range	n	0.0	4	0.0	4	0.0	n	0.0	12	0.1	12	0.1	n	0.0	33	0.4	30	0.4
Santa Monica Bay	11	0.1	5	0.0	15	0.2	15	0.2	14	0.1	25	0.3	16	0.2	15	0.2	27	0.3
San Nicholas Island	6	0.1	1	0.0	7	0.1	11	0.1	4	0.0	15	0.2	15	0.2	11	0.1	23	0.3
Begg Rock	4	0.0	1	0.0	5	0.0	6	0.1	3	0.0	9	0.1	8	0.1	7	0.1	14	0.1
N. Anacapa Island	2	0.0	9	0.1	10	0.1	3	0.0	15	0.2	16	0.2	4	0.0	23	0.3	25	0.3
San Miguel Island	15	0.2	32	0.4	40	0.5	22	0.2	51	0.7	61	0.9	23	0.3	59	0.9	67	1.1
Least Tern Colonies	8	0.1	31	0.4	36	0.5	11	0.1	33	0.4	40	0.5	14	0.1	35	0.4	44	0.6
Least Tern Colony 1	n	0.0	4	0.0	4	0.0	n	0.0	4	0.0	5	0.0	n	0.0	4	0.0	5	0.0
Least Tern Colony 2	7	0.1	28	0.3	33	0.4	8	0.1	29	0.3	35	0.4	9	0.1	30	0.4	36	0.4
Least Tern Colony 3	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	2	0.0
Least Tern Colony 4	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	3	0.0
N. Offshore Feeding	18	0.2	6	0.1	23	0.3	26	0.3	14	0.1	36	0.4	32	0.4	29	0.3	50	0.7
S. Offshore Feeding	18	0.2	n	0.0	18	0.2	27	0.3	2	0.0	29	0.3	38	0.5	21	0.2	51	0.7
Anacapa Island	2	0.0	16	0.2	16	0.2	4	0.0	21	0.2	22	0.3	5	0.1	29	0.3	31	0.4
Santa Barbara Island	3	0.0	1	0.0	4	0.0	4	0.0	3	0.0	7	0.1	5	0.0	4	0.0	8	0.1
Coronados Islands	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	4	0.0	3	0.0	6	0.1
Guadalupe Island	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Farallon Islands	n	0.0	72	1.3	59	0.9	n	0.0	80	1.6	67	1.1	n	0.0	82	1.7	70	1.2
Baja Islands	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
Coastal Feed. Area 1	14	0.2	68	1.1	72	1.3	22	0.3	80	1.6	84	1.8	24	0.3	82	1.7	86	2.0
Coastal Feed. Area 2	14	0.2	64	1.0	68	1.2	15	0.2	66	1.1	71	1.2	16	0.2	69	1.2	73	1.3
Coastal Feed. Area 3	11	0.1	15	0.2	24	0.3	16	0.2	24	0.3	35	0.4	17	0.2	26	0.3	37	0.5
Coastal Feed. Area 4	31	0.4	77	1.5	84	1.8	33	0.4	78	1.5	85	1.9	35	0.4	78	1.5	86	1.9
Coastal Feed. Area 5	2	0.0	n	0.0	2	0.0	3	0.0	1	0.0	4	0.0	10	0.1	11	0.1	19	0.2
Coastal Feed. Area 6	7	0.1	9	0.1	15	0.2	13	0.1	21	0.2	31	0.4	16	0.2	24	0.3	36	0.4
Coastal Feed. Area 7	4	0.0	n	0.0	5	0.0	11	0.1	1	0.0	12	0.1	17	0.2	7	0.1	23	0.3

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

Table 11. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting land segments over the expected production life of the lease area, conditional mean volume scenario.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	PROPOSED		EXISTING AND IMPORTS		PROPOSED EXISTING & IMPORT		PROPOSED		EXISTING AND IMPORTS		PROPOSED EXISTING & IMPORT		PROPOSED		EXISTING AND IMPORTS		PROPOSED EXISTING & IMPORT	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
1	n	0.0	11	0.1	8	0.1	n	0.0	25	0.3	18	0.2	n	0.0	30	0.4	22	0.2
2	n	0.0	24	0.3	18	0.2	n	0.0	33	0.4	24	0.3	n	0.0	36	0.4	26	0.3
3	n	0.0	16	0.2	11	0.1	n	0.0	27	0.3	19	0.2	n	0.0	30	0.4	22	0.2
4	n	0.0	n	0.0	n	0.0	n	0.0	4	0.0	3	0.0	n	0.0	7	0.1	5	0.1
5	n	0.0	1	0.0	1	0.0	n	0.0	10	0.1	7	0.1	n	0.0	20	0.2	15	0.2
6	n	0.0	n	0.0	n	0.0	n	0.0	4	0.0	3	0.0	n	0.0	18	0.2	13	0.1
9	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0	9	0.1	8	0.1
10	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	1	0.0
11	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	1	0.0
12	n	0.0	2	0.0	2	0.0	n	0.0	5	0.1	5	0.1	n	0.0	6	0.1	6	0.1
13	n	0.0	6	0.1	6	0.1	n	0.0	9	0.1	9	0.1	n	0.0	10	0.1	10	0.1
14	1	0.0	12	0.1	13	0.1	4	0.0	22	0.3	25	0.3	4	0.0	26	0.3	28	0.3
15	5	0.0	24	0.3	28	0.3	11	0.1	48	0.6	53	0.8	12	0.1	51	0.7	56	0.8
16	5	0.0	32	0.4	35	0.4	10	0.1	51	0.7	55	0.8	11	0.1	54	0.8	58	0.9
17	4	0.0	26	0.3	29	0.3	6	0.1	34	0.4	38	0.5	6	0.1	36	0.4	39	0.5
18	n	0.0	4	0.0	5	0.0	n	0.0	5	0.0	5	0.1	n	0.0	5	0.0	5	0.1
19	3	0.0	7	0.1	9	0.1	7	0.1	20	0.2	25	0.3	8	0.1	26	0.3	31	0.4
21	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	1	0.0
23	n	0.0	9	0.1	8	0.1	2	0.0	15	0.2	14	0.2	4	0.0	27	0.3	28	0.3
24	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0	2	0.0	2	0.0
25	1	0.0	2	0.0	3	0.0	4	0.0	6	0.1	9	0.1	5	0.0	8	0.1	12	0.1
26	16	0.2	41	0.5	50	0.7	22	0.3	47	0.6	58	0.9	24	0.3	48	0.7	59	0.9
27	11	0.1	44	0.6	51	0.7	14	0.2	47	0.6	55	0.8	16	0.2	48	0.6	56	0.8
28	2	0.0	1	0.0	3	0.0	6	0.1	2	0.0	8	0.1	9	0.1	6	0.1	14	0.2
29	1	0.0	n	0.0	1	0.0	2	0.0	1	0.0	3	0.0	2	0.0	1	0.0	3	0.0
30	5	0.1	9	0.1	13	0.1	11	0.1	20	0.2	28	0.3	13	0.1	23	0.3	32	0.4
31	2	0.0	n	0.0	2	0.0	5	0.1	1	0.0	6	0.1	8	0.1	3	0.0	10	0.1
32	2	0.0	n	0.0	2	0.0	8	0.1	1	0.0	9	0.1	13	0.1	6	0.1	17	0.2
33	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
34	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
35	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	3	0.0	4	0.0	7	0.1
36	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	5	0.1	7	0.1	11	0.1
37	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	2	0.0
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	4	0.0	1	0.0	4	0.0
39	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	3	0.0	n	0.0	4	0.0

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

Appendix A

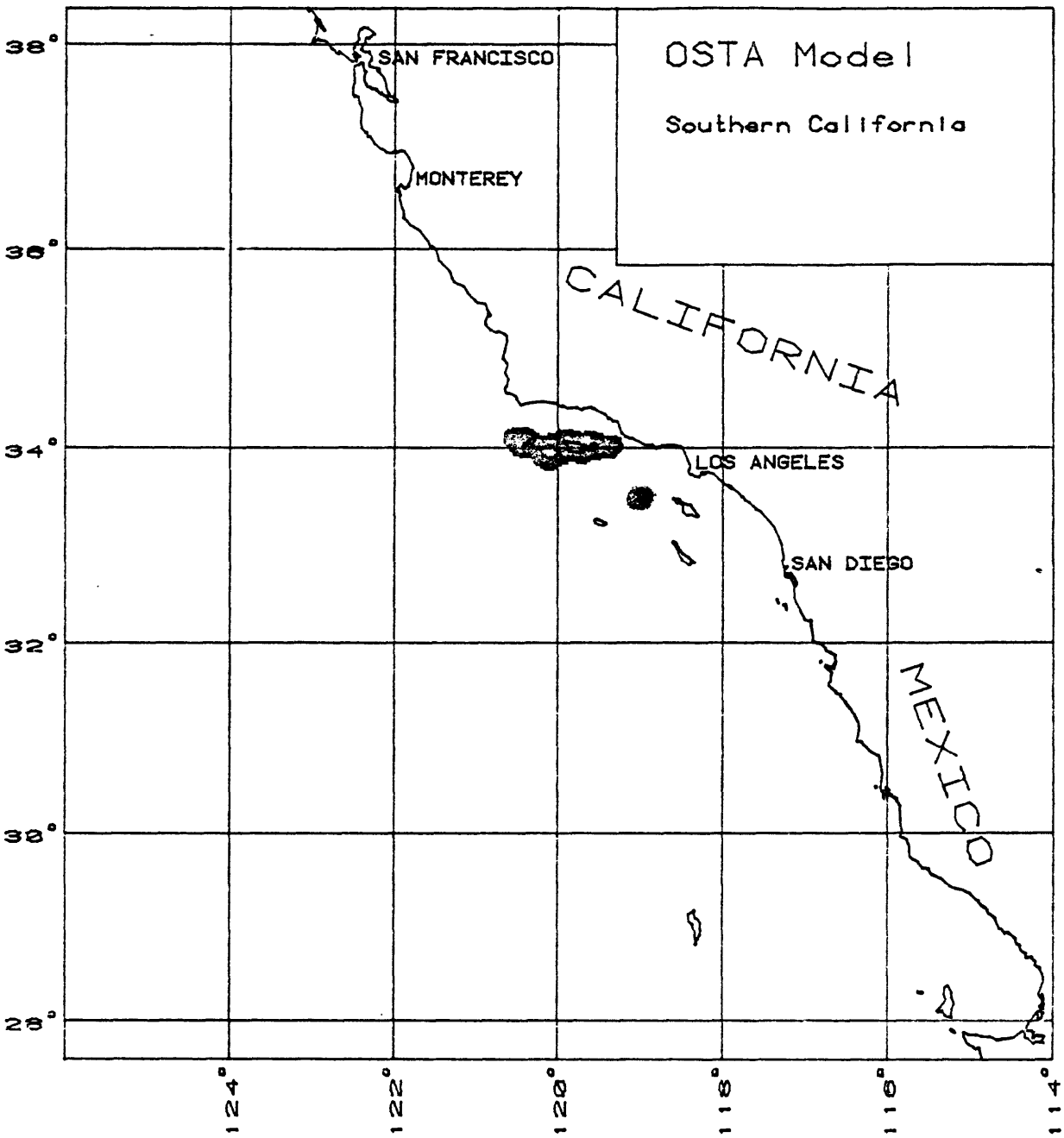

Figure A-1. -- Map showing the locations of northern and southern Channel Islands: crosshatching indicates areal extent. The target "Channel Islands" is represented by both areas combined.

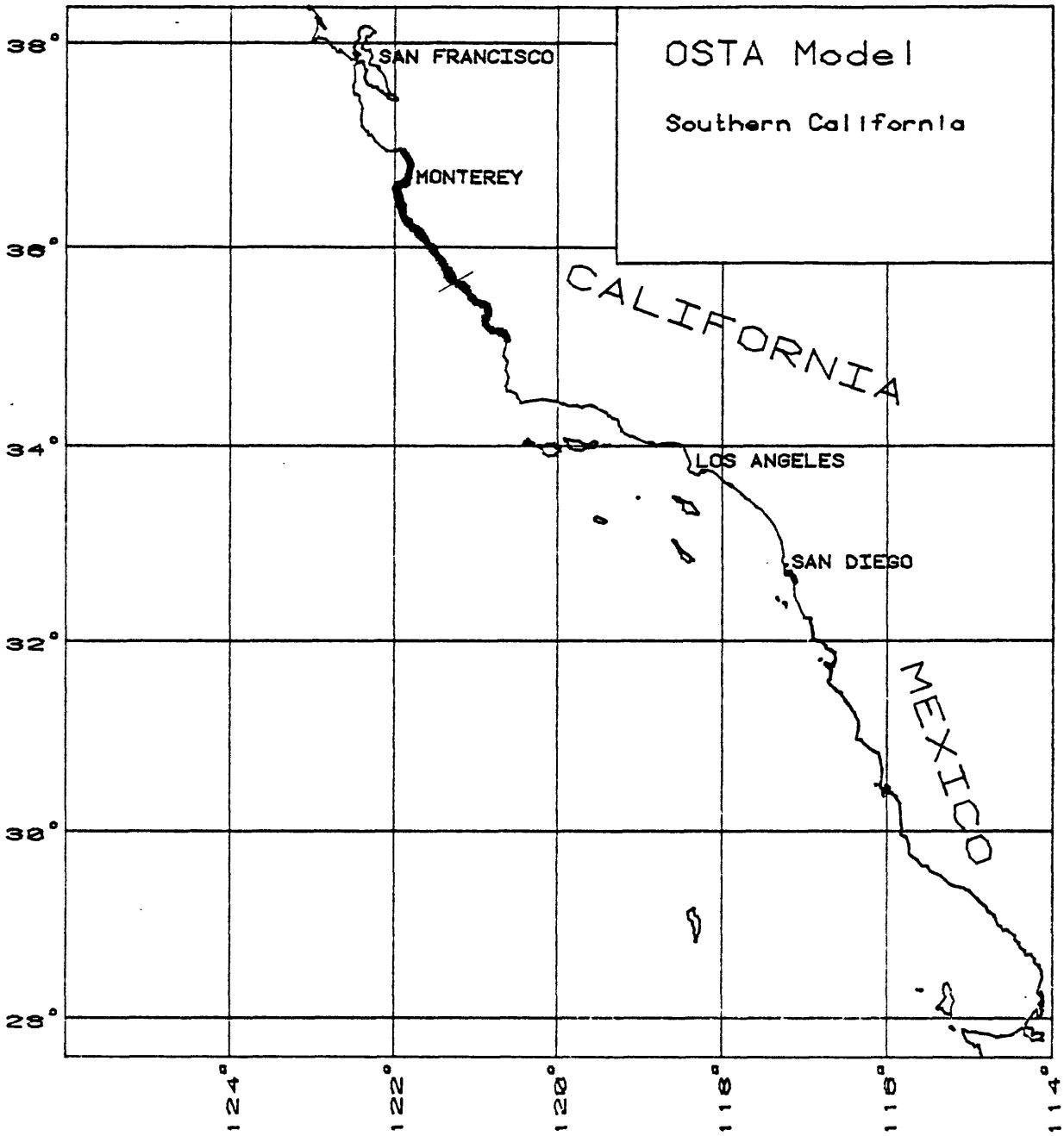

Figure A-2. -- Map showing the locations of northern and southern sea otter ranges: crosshatching indicates areal extent. The target "sea otter range" is represented by both areas combined.

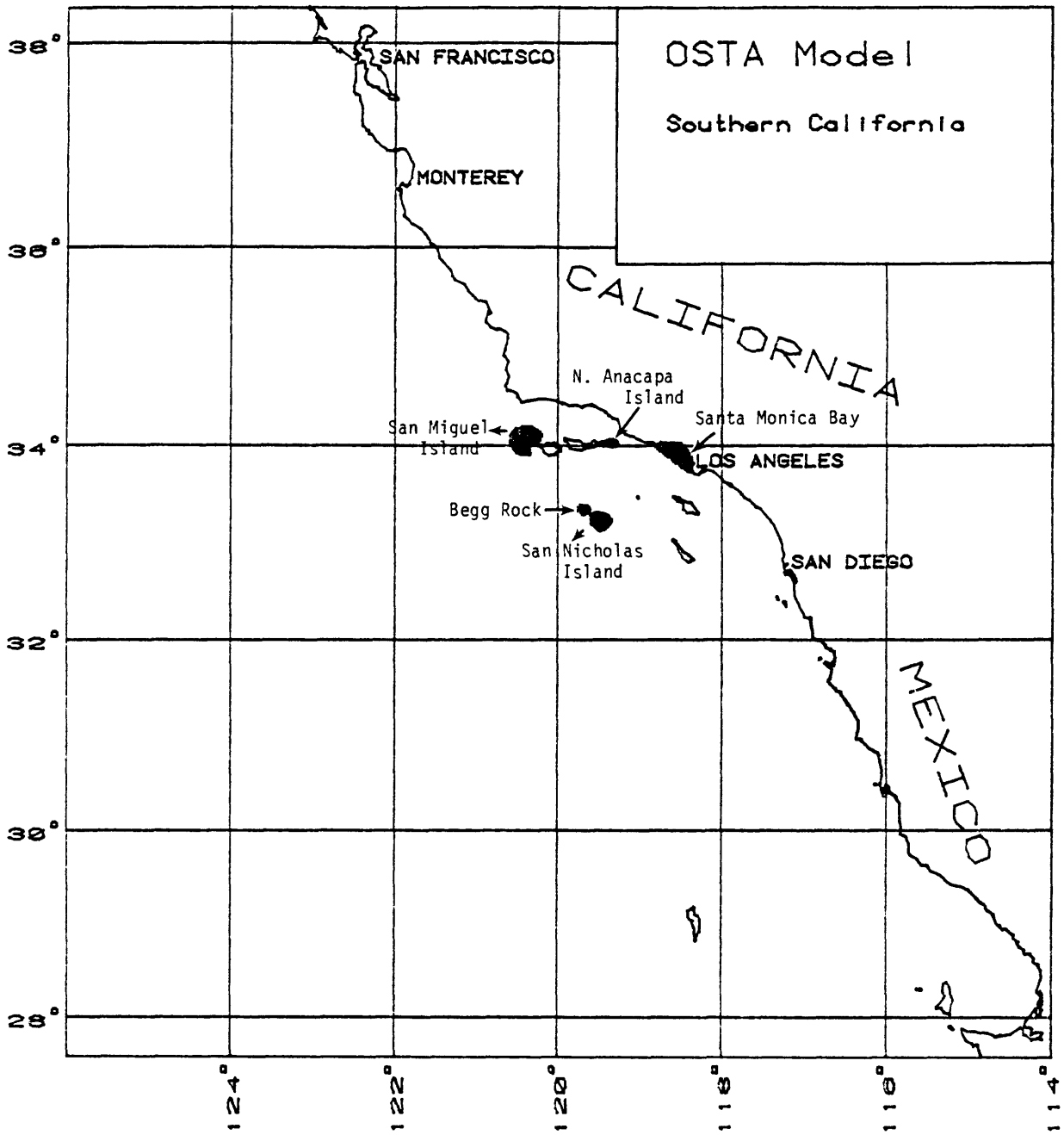

Figure A-3. -- Map showing the locations of five targets: crosshatching indicates areal extent.

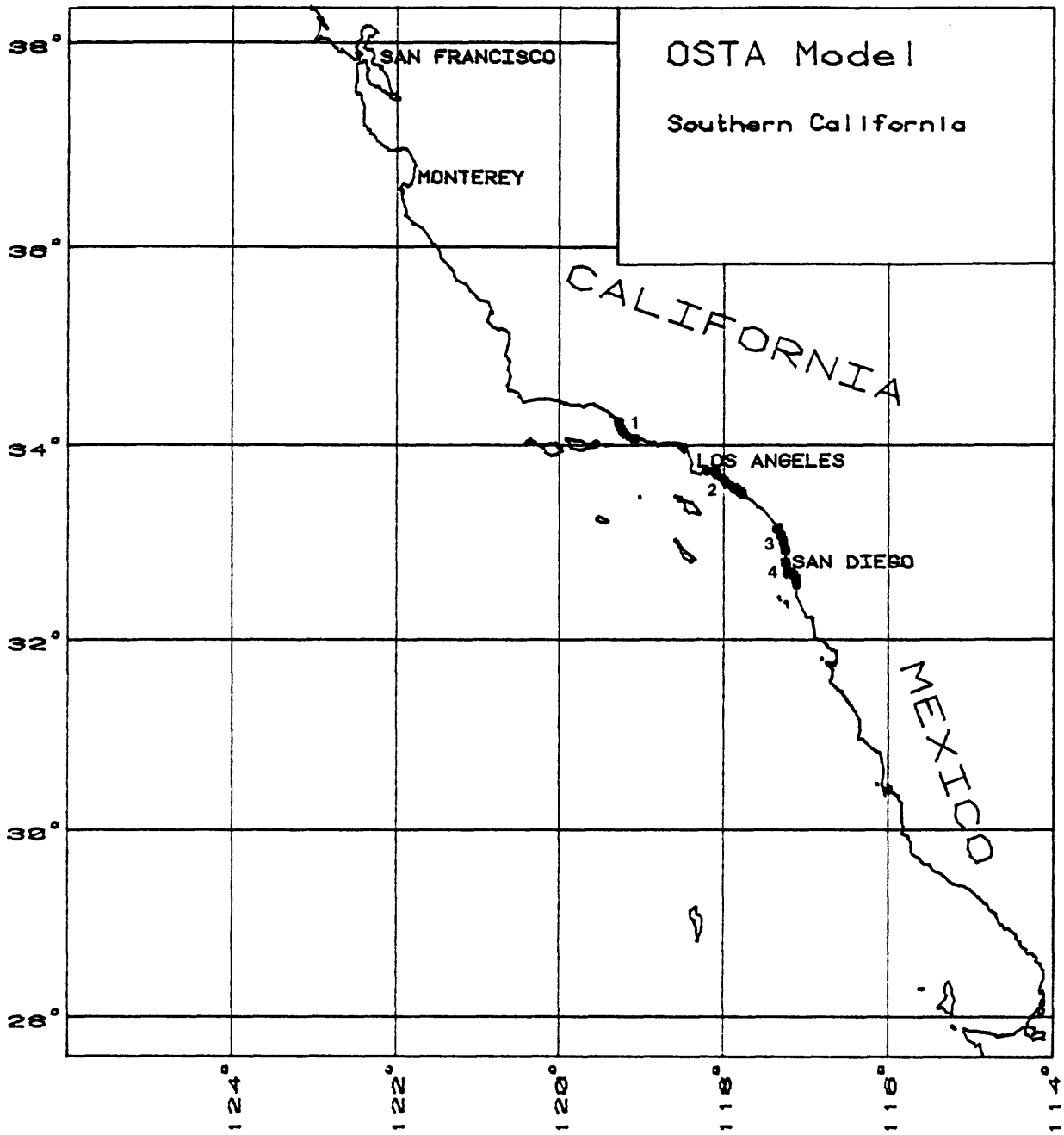

Figure A-4. -- Map showing the locations of least tern colony #1-4: crosshatching indicates areal extent. The target "least tern colonies" is represented by all areas combined.

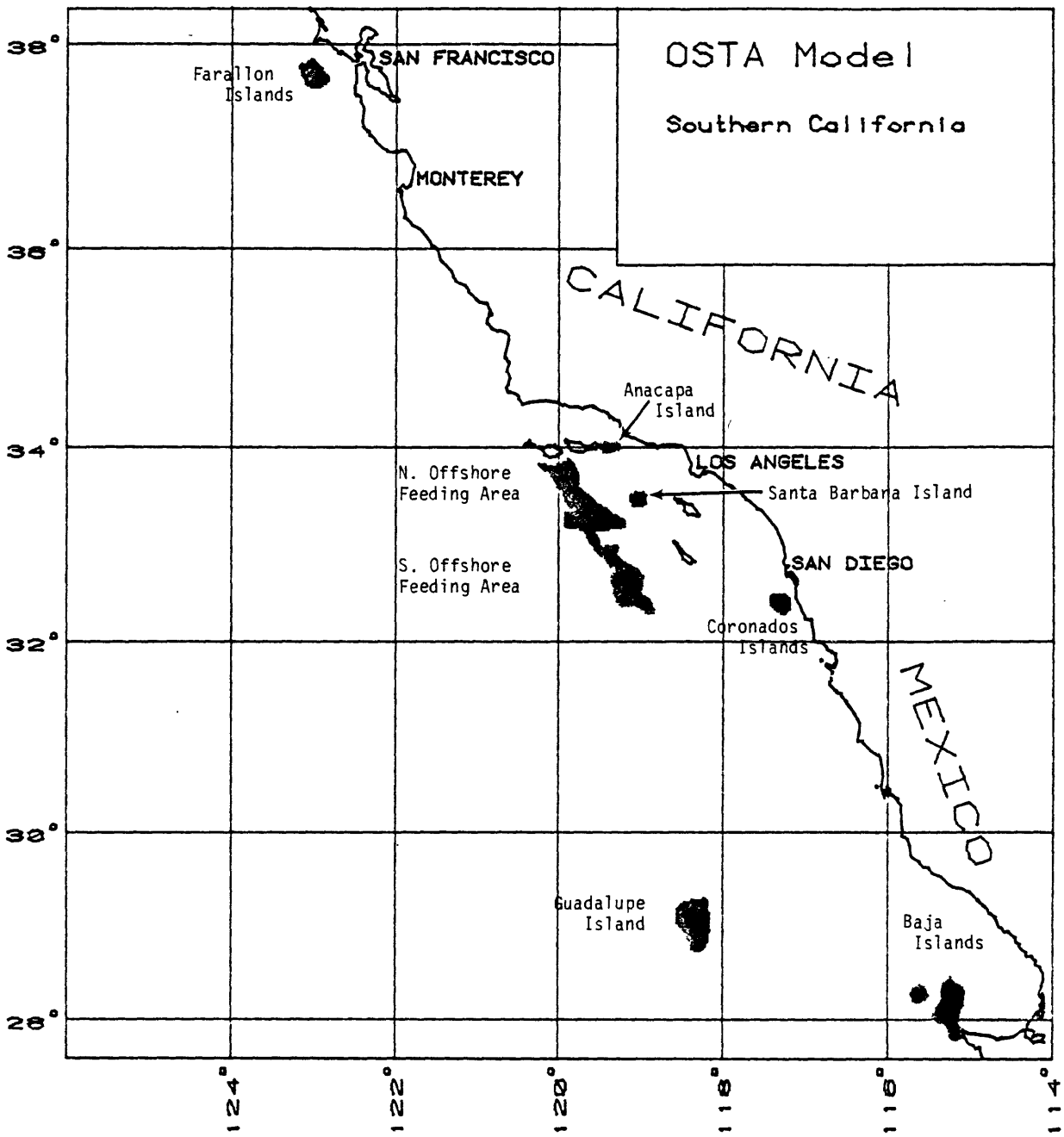

Figure A-5. -- Map showing the locations of eight targets: crosshatching indicates areal extent.

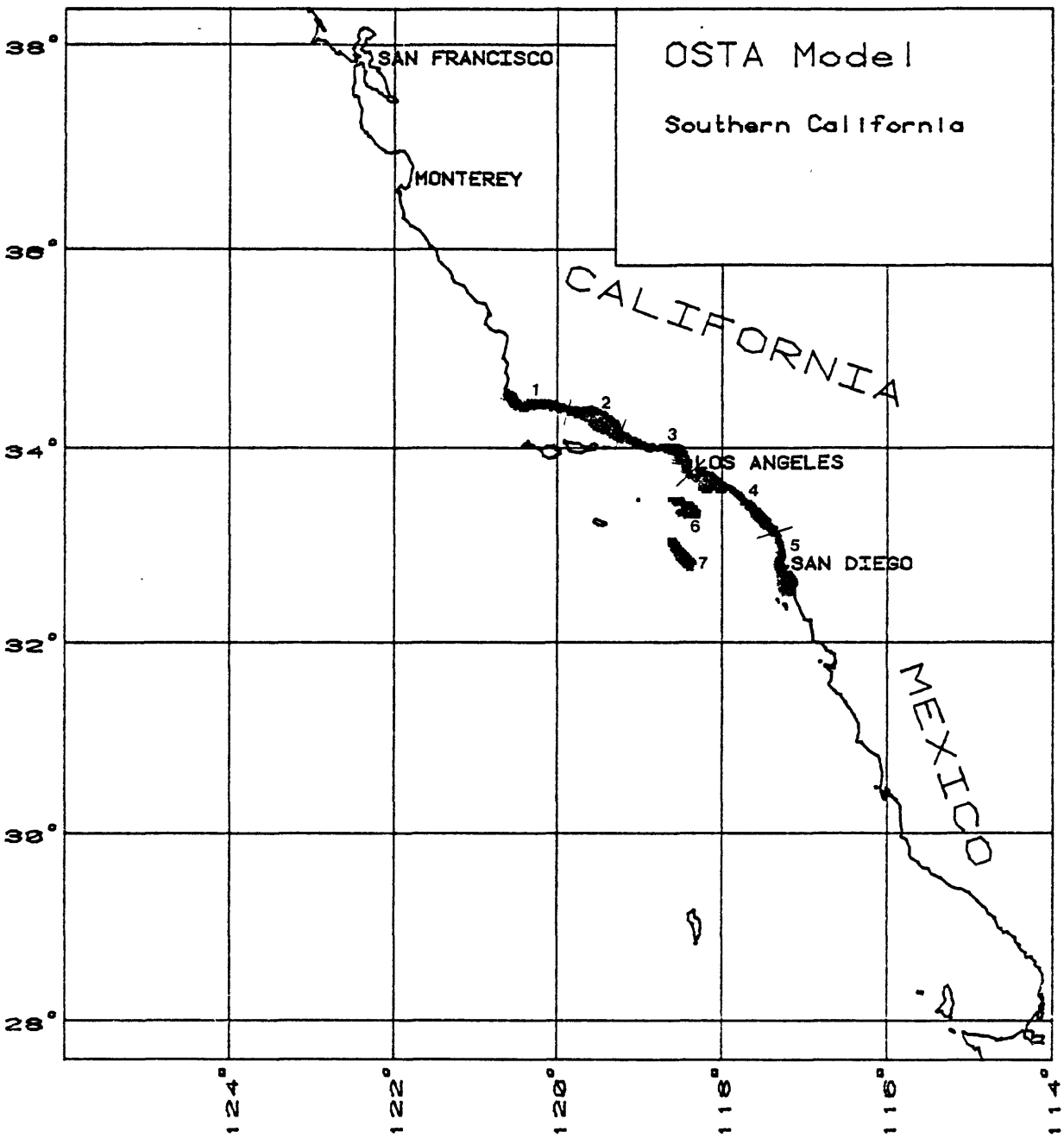

Figure A-6. -- Map showing the locations of coastal feeding areas #1-7: crosshatching indicates areal extent.

Appendix B

TABLE B-1. -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE WINTER SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN TARGET WITHIN 30 DAYS.

	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
LAND	4	2	46	59	88	71	36	65	83	93	69	82	56	46	41	1	5	1	1	13	6	31	28	10	35
N. CHANNEL ISLANDS	23	26	71	35	91	56	37	11	8	3	N	N	N	N	N	4	39	3	N	18	1	24	N	N	22
S. CHANNEL ISLANDS	N	N	N	N	N	5	24	25	12	1	N	N	N	N	N	N	N	N	N	N	N	1	1	N	7
CHANNEL ISLANDS	23	26	71	35	91	60	60	36	20	4	1	N	N	N	N	4	39	3	1	18	1	24	1	N	29
N. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
S. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA MONICA BAY	N	N	N	N	N	N	1	21	39	47	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SAN NICHOLAS ISLAND	1	N	N	N	N	14	35	17	9	2	1	1	1	1	N	1	2	2	2	18	12	45	44	20	45
ELEC REEF	1	N	N	N	N	7	18	8	5	1	N	N	N	N	N	1	1	1	2	20	9	34	49	18	22
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
SAN MIGUEL ISLAND	15	14	67	34	10	1	N	N	N	N	N	N	N	N	N	2	27	1	N	1	N	N	N	N	1
LEAST TERN COLONIES	N	N	N	N	N	N	N	1	4	5	6	21	7	6	6	N	N	N	N	N	N	N	N	N	N
LEAST TERN COLONY 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
LEAST TERN COLONY 2	N	N	N	N	N	N	N	N	1	1	6	21	7	6	6	N	N	N	N	N	N	N	N	N	N
LEAST TERN COLONY 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
LEAST TERN COLONY 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. OFFSHORE FEEDING	4	4	4	2	1	36	73	41	18	6	1	1	1	1	N	3	13	8	9	73	52	99	99	76	88
S. OFFSHORE FEEDING	4	8	6	1	1	10	29	13	6	2	2	1	2	2	2	8	16	15	17	38	44	36	50	75	32
ANACAPA ISLAND	N	N	N	N	N	29	8	4	2	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA BARBARA ISLAND	N	N	N	N	N	2	15	6	5	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2
CORONADOS ISLANDS	N	N	N	N	N	N	N	N	N	N	1	1	2	1	1	N	N	N	N	N	N	N	N	N	N
GUADALUPE 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
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
BAJA 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
COASTAL FEED. AREA 1	2	N	29	59	62	8	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 2	N	N	N	2	41	53	3	1	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 3	N	N	N	N	N	1	1	33	42	51	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 4	N	N	N	N	N	N	1	3	10	44	33	61	21	17	22	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 5	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
COASTAL FEED. AREA 6	N	N	N	N	N	N	N	7	16	10	24	15	18	11	10	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 7	N	N	N	N	N	N	4	6	3	1	13	7	19	20	12	N	N	N	N	N	N	N	N	N	2

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.

TABLE B-1. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE WINTER SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN TARGET WITHIN 30 DAYS.

	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	38	39	4	1	N	1	N	33	32	12	3	1	N	N	N	68	53	22	5	N	N	N	N	69	68
N. CHANNEL ISLANDS	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
S. CHANNEL ISLANDS	7	7	N	N	N	N	N	67	46	3	N	N	N	N	N	56	21	1	N	N	N	N	N	3	1
CHANNEL ISLANDS	8	7	N	N	N	N	N	67	46	3	N	N	N	N	N	56	21	1	N	N	N	N	N	3	1
N. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
S. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA MONICA BAY	N	N	N	N	N	N	N	1	N	N	N	N	N	N	N	3	N	N	N	N	N	N	N	N	N
SAN NICHOLAS ISLAND	55	63	7	1	N	1	N	22	20	5	N	N	N	N	N	7	6	N	N	N	N	N	N	2	1
EGG ROCK	22	21	N	N	N	N	N	10	4	N	N	N	N	N	N	3	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
SAN MIGUEL 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
LEAST TERN COLONIES	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
LEAST TERN COLONY 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
LEAST TERN COLONY 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
LEAST TERN COLONY 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
LEAST TERN COLONY 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. OFFSHORE FEEDING	92	95	19	1	N	1	N	48	46	16	N	N	N	N	N	12	9	N	N	N	N	N	N	4	1
S. OFFSHORE FEEDING	34	36	93	69	31	98	79	25	30	51	72	99	40	65	1	8	18	30	37	57	7	N	N	8	5
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
SANTA BARBARA ISLAND	3	2	N	N	N	N	N	33	13	1	N	N	N	N	N	8	1	N	N	N	N	N	N	N	N
CORONADOS 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
GUADALUPE ISLAND	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
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
BAJA 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
COASTAL FEED. AREA 1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 3	N	N	N	N	N	N	N	1	1	N	N	N	N	N	N	3	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 4	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2	N	N	N	N	N	N	N	1	1
COASTAL FEED. AREA 5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 6	N	N	N	N	N	N	N	1	1	N	N	N	N	N	N	14	2	N	N	N	N	N	N	19	4
COASTAL FEED. AREA 7	1	2	N	N	N	N	N	6	5	3	1	N	N	N	N	26	21	3	N	N	N	N	N	43	48

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.

TABLE B-1. (Continued) --PROBABILITIES THAT AN OIL SPILL STARTING IN THE WINTER SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN TARGET WITHIN 30 DAYS.

	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75	P76
LAND	36	4	1	1	1	N	44	37	9	4	1	N	1	29	15	8	20	2	70	86	99	83	70	61	53	32
N. CHANNEL ISLANDS	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	41	10	N	N	N	N	N	N
S. CHANNEL ISLANDS	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	3	2	N	N	N	N	N	2
CHANNEL ISLANDS	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	43	12	N	N	N	N	N	2
N. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
S. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA MONICA BAY	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	15	97	N	1	N	N	N	N
SAN NICHOLAS ISLAND	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N	N	15	8	N	N	N	N	1	75
BEGG ROCK	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	9	5	N	N	N	N	N	8
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
SAN MIGUEL 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
LEAST TERN COLONIES	N	N	N	N	N	N	1	1	N	N	N	N	N	3	1	N	2	N	8	11	29	16	13	12	11	N
LEAST TERN COLONY 1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	7	N	N	N	N	N	N	N
LEAST TERN COLONY 2	N	N	N	N	N	N	1	1	N	N	N	N	N	3	1	N	2	N	N	N	29	15	11	11	11	N
LEAST TERN COLONY 3	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
LEAST TERN COLONY 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. OFFSHORE FEEDING	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N	N	37	17	N	N	N	N	1	92
S. OFFSHORE FEEDING	9	17	11	N	N	N	3	3	7	7	1	N	N	3	3	1	3	N	12	5	N	N	1	1	1	56
ANACAPA ISLAND	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	17	5	N	N	N	N	N	N
SANTA BARBARA ISLAND	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	1
CORONADOS ISLANDS	N	N	N	N	N	N	2	2	1	1	N	N	N	2	3	N	2	N	N	N	N	N	1	1	N	N
GUADALUPE 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
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
BAJA ISLANDS	N	N	N	N	1	1	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 1	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
COASTAL FEED. AREA 2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	17	2	N	N	N	N	N	N
COASTAL FEED. AREA 3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	56	94	N	1	N	N	N	N
COASTAL FEED. AREA 4	N	N	N	N	N	N	4	4	N	N	N	N	N	7	2	N	8	N	N	N	**	73	51	32	33	N
COASTAL FEED. AREA 5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	10	15	38	N
COASTAL FEED. AREA 6	N	N	N	N	N	N	12	2	N	N	N	N	N	5	2	N	4	N	N	N	N	18	15	18	16	N
COASTAL FEED. AREA 7	13	2	N	N	N	N	26	31	10	N	N	N	N	18	3	N	5	N	N	N	N	5	12	13	6	1

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.

TABLE B-2. -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE SPRING SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN TARGET WITHIN 30 DAYS.

	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	7	3	71	93	99	70	39	83	90	88	61	66	49	50	53	N	1	N	N	13	1	34	37	2	19
N. CHANNEL ISLANDS	41	30	81	14	89	52	26	1	N	N	N	N	N	N	N	N	30	1	N	12	N	18	N	N	12
S. CHANNEL ISLANDS	N	N	N	N	N	13	38	21	6	3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	12
CHANNEL ISLANDS	41	30	81	14	89	62	61	22	6	3	N	N	N	N	N	N	30	1	N	12	N	18	N	N	24
N. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
S. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA MONICA BAY	N	N	N	N	N	N	3	37	31	27	1	1	N	N	N	N	N	N	N	N	N	N	N	N	N
SAN NICHOLAS ISLAND	N	N	N	N	N	11	17	4	2	1	N	N	1	N	N	N	1	N	N	25	3	58	55	10	28
EGG ROCK	N	N	N	N	N	4	8	3	1	N	N	N	N	N	N	N	1	N	N	26	4	28	61	13	12
N. ANACAPA ISLAND	N	N	N	1	1	24	4	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SAN MIGUEL ISLAND	91	17	82	7	N	N	N	N	N	N	N	N	N	N	N	N	18	N	N	N	N	N	N	N	N
LEAST TERN COLONIES	N	N	N	N	N	3	1	9	11	15	21	44	14	20	21	N	N	N	N	N	N	N	N	N	N
LEAST TERN COLONY 1	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
LEAST TERN COLONY 2	N	N	N	N	N	N	N	1	3	12	16	38	5	9	9	N	N	N	N	N	N	N	N	N	N
LEAST TERN COLONY 3	N	N	N	N	N	N	N	N	N	1	2	2	4	5	5	N	N	N	N	N	N	N	N	N	N
LEAST TERN COLONY 4	N	N	N	N	N	N	N	N	N	1	3	4	5	6	5	N	N	N	N	N	N	N	N	N	N
N. OFFSHORE FEEDING	7	5	2	1	N	27	43	10	5	2	1	1	1	N	N	1	18	13	3	64	55	97	98	72	75
S. OFFSHORE FEEDING	17	14	3	1	N	9	19	5	3	1	1	1	2	1	2	6	26	22	13	56	56	31	53	82	28
ANACAPA ISLAND	N	N	N	1	1	29	12	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1
SANTA BARBARA ISLAND	N	N	N	N	N	7	27	5	3	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2
CORONADOS ISLANDS	N	N	N	N	N	N	N	N	N	1	5	4	4	4	8	N	N	N	N	N	N	N	N	N	N
GUADALUPE 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
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
BAJA 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
COASTAL FEED. AREA 1	1	N	30	86	41	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 2	N	N	4	14	71	54	3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 3	N	N	N	N	N	1	4	40	32	30	1	1	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 4	N	N	N	N	N	N	N	4	16	51	29	50	11	18	21	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 5	N	N	N	N	N	N	N	N	N	2	7	6	10	14	16	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 6	N	N	N	N	N	N	N	13	24	15	18	11	15	10	9	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 7	N	N	N	N	N	1	7	5	2	2	11	7	13	11	9	N	N	N	N	N	N	N	N	N	1

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.

TABLE B-2. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE SPRING SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN TARGET WITHIN 30 DAYS.

	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	25	29	N	N	N	N	N	6	16	6	1	N	1	N	1	70	57	13	2	3	1	3	1	63	74
N. CHANNEL 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
S. CHANNEL ISLANDS	3	1	N	N	N	N	N	80	33	N	N	N	N	N	N	51	11	N	N	N	N	N	N	2	N
CHANNEL ISLANDS	3	1	N	N	N	N	N	80	33	N	N	N	N	N	N	51	11	N	N	N	N	N	N	2	N
N. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
S. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA MONICA BAY	N	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 NICHOLAS ISLAND	45	54	1	N	N	N	N	12	15	2	N	N	N	N	N	5	3	N	N	N	N	N	N	2	N
EGG ROCK	14	16	N	N	N	N	N	5	3	N	N	N	N	N	N	2	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
SAN MIGUEL 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
LEAST TERN COLONIES	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
LEAST TERN COLONY 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
LEAST TERN COLONY 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
LEAST TERN COLONY 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
LEAST TERN COLONY 4	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	N
N. OFFSHORE FEEDING	89	94	13	N	N	N	N	23	38	8	N	N	N	N	N	8	5	N	N	N	N	N	N	4	N
S. OFFSHORE FEEDING	27	27	94	67	18	98	72	13	20	37	65	98	33	61	N	5	12	18	27	52	4	N	N	5	2
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
SANTA BARBARA ISLAND	1	N	N	N	N	N	N	47	3	N	N	N	N	N	N	7	N	N	N	N	N	N	N	N	N
CORONADOS ISLANDS	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	N	N	N	N	N	N	N	3	2
GUADALUPE ISLAND	N	N	N	N	N	N	N	N	N	N	N	N	1	1	1	N	N	N	N	N	N	1	3	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
BAJA ISLANDS	N	N	N	N	N	N	1	N	N	N	N	N	1	1	1	N	N	N	N	2	2	3	2	N	N
COASTAL FEED. AREA 1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 4	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
COASTAL FEED. AREA 5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	1	N	N	N	N	N	N	N	1	1
COASTAL FEED. AREA 6	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	9	N	N	N	N	N	N	N	8	N
COASTAL FEED. AREA 7	N	N	N	N	N	N	N	9	2	N	N	N	N	N	N	53	19	N	N	N	N	N	N	36	38

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.

TABLE B-2. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE SPRING SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN TARGET WITHIN 30 DAYS.

	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75	P76
LAND	41	12	4	4	4	3	51	60	41	20	8	6	7	52	62	39	61	11	85	**	96	70	66	55	52	25
N. CHANNEL ISLANDS	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	18	N	N	N	N	N	N	N
S. CHANNEL ISLANDS	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	4	N	N	N	N	N	N	N
CHANNEL ISLANDS	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	21	N	N	N	N	N	N	N
N. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
S. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA MONICA BAY	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	40	**	N	1	N	N	N	N
SAN NICHOLAS ISLAND	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N	N	4	N	N	1	1	N	N	69
BEGG ROCK	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	9
N. ANACAPA ISLAND	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	6	N	N	N	N	N	N	N
SAN MIGUEL 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
LEAST TERN COLONIES	N	N	N	N	N	N	8	3	N	N	N	N	N	13	2	N	5	N	29	45	67	37	31	25	23	N
LEAST TERN COLONY 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
LEAST TERN COLONY 2	N	N	N	N	N	N	3	1	N	N	N	N	N	5	1	N	1	N	N	N	87	32	13	13	8	N
LEAST TERN COLONY 3	N	N	N	N	N	N	2	N	N	N	N	N	N	4	N	N	1	N	N	N	N	3	14	8	7	N
LEAST TERN COLONY 4	N	N	N	N	N	N	3	1	N	N	N	N	N	5	1	N	2	N	N	N	N	2	4	4	9	N
N. OFFSHORE FEEDING	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N	N	11	N	N	1	1	1	1	89
S. OFFSHORE FEEDING	9	11	5	N	N	N	3	2	5	4	N	N	N	2	4	2	2	N	4	N	N	1	1	N	1	50
ANACAPA ISLAND	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	10	N	N	N	N	N	N	N
SANTA BARBARA ISLAND	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	3	N	N	N	N	N	N	N
CORONADOS ISLANDS	N	N	N	N	N	N	9	9	1	N	N	N	N	11	3	N	10	N	N	N	N	2	3	3	2	N
GUADALUPE ISLAND	N	N	N	N	1	1	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N	N	N	N
FARALLEN 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
BAJA ISLANDS	N	N	1	5	5	5	N	N	N	N	2	6	10	N	N	N	N	3	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	10	N	N	N	N	N	N	N
COASTAL FEED. AREA 3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	75	**	N	1	N	N	N	N
COASTAL FEED. AREA 4	N	N	N	N	1	N	6	4	N	N	N	N	N	11	2	N	4	N	N	N	**	64	49	27	22	N
COASTAL FEED. AREA 5	N	N	N	N	N	N	7	3	N	N	N	N	N	10	1	N	4	N	N	N	1	6	19	26	49	N
COASTAL FEED. AREA 6	N	N	N	N	N	N	5	1	N	N	N	N	N	6	1	N	3	N	N	N	1	16	11	16	13	N
COASTAL FEED. AREA 7	12	N	N	N	N	N	15	17	5	N	N	N	N	10	1	N	2	N	1	N	N	4	7	6	6	N

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.

TABLE B-3. -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE SUMMER SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN TARGET WITHIN 30 DAYS.

	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	13	3	67	75	90	49	50	77	87	79	68	67	67	74	73	N	1	N	N	12	N	33	30	2	23
N. CHANNEL ISLANDS	46	31	90	66	**	78	24	1	N	N	N	N	N	N	N	N	31	N	N	12	N	22	N	N	19
S. CHANNEL ISLANDS	N	N	N	N	N	20	46	26	15	5	2	1	N	N	N	N	N	N	N	N	N	1	N	N	19
CHANNEL ISLANDS	46	31	90	66	**	91	68	27	15	5	2	1	N	N	N	N	31	N	N	12	N	23	N	N	35
N. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
S. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA MONICA BAY	N	N	N	N	N	2	10	39	17	8	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SAN NICHOLAS ISLAND	N	N	N	N	N	5	13	7	5	2	1	N	N	N	N	N	N	N	N	23	1	48	48	10	28
PECC ROCK	N	N	N	N	N	2	7	3	3	1	N	N	N	N	N	N	N	N	N	25	1	23	52	12	11
N. ANACAPA ISLAND	N	N	1	13	25	59	6	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2
SAN MIGUEL ISLAND	36	16	69	1	N	N	N	N	N	N	N	N	N	N	N	N	19	N	N	N	N	N	N	N	N
LEAST TERN COLONIES	N	N	N	N	N	N	2	4	1	1	3	7	7	11	7	N	N	N	N	N	N	N	N	N	N
LEAST TERN COLONY 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
LEAST TERN COLONY 2	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
LEAST TERN COLONY 3	N	N	N	N	N	N	N	N	N	N	1	2	2	5	2	N	N	N	N	N	N	N	N	N	N
LEAST TERN COLONY 4	N	N	N	N	N	N	N	N	N	N	2	3	5	6	5	N	N	N	N	N	N	N	N	N	N
N. OFFSHORE FEEDING	7	6	1	N	1	16	28	14	9	3	1	1	1	N	N	N	18	9	3	81	56	94	97	72	65
S. OFFSHORE FEEDING	10	11	3	N	N	4	13	6	3	2	3	2	3	1	1	3	19	16	10	46	47	31	50	74	28
ANACAPA ISLAND	N	N	1	12	25	66	12	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	6
SANTA BARBARA ISLAND	N	N	N	N	N	13	29	6	5	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	5
CORONADOS ISLANDS	N	N	N	N	N	N	N	N	N	4	11	4	8	8	20	N	N	N	N	N	N	N	N	N	N
GUADALUPE 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
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
BAJA 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
COASTAL FEED. AREA 1	N	N	15	43	4	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 2	N	N	5	30	14	30	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 3	N	N	N	N	N	3	13	39	18	10	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 4	N	N	N	N	N	N	N	N	1	8	18	26	4	2	1	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 5	N	N	N	N	N	N	N	N	2	9	24	29	39	58	49	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 6	N	N	N	N	N	N	1	11	32	49	26	26	9	2	1	N	N	N	N	N	N	N	N	N	N
COASTAL FELD. AREA 7	N	N	N	N	N	3	9	7	6	8	12	8	13	10	5	N	N	N	N	N	N	N	N	N	N

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.

TABLE B-3. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE SUMMER SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN TARGET WITHIN 30 DAYS.

	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	27	31	N	N	N	N	N	39	15	2	N	N	N	N	N	64	43	5	N	N	N	N	N	60	62
N. CHANNEL 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
S. CHANNEL ISLANDS	4	1	N	N	N	N	N	87	34	N	N	N	N	N	N	58	13	N	N	N	N	N	N	2	N
CHANNEL ISLANDS	4	1	N	N	N	N	N	87	34	N	N	N	N	N	N	58	13	N	N	N	N	N	N	2	N
N. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
S. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA MONICA BAY	N	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 NICHOLAS ISLAND	47	56	1	N	N	N	N	15	19	4	N	N	N	N	N	6	7	N	N	N	N	N	N	4	1
BEGG ROCK	16	19	N	N	N	N	N	6	3	N	N	N	N	N	N	4	1	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
SAN MIGUEL 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
LEAST TERN COLONIES	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
LEAST TERN COLONY 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
LEAST TERN COLONY 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
LEAST TERN COLONY 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
LEAST TERN COLONY 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. OFFSHORE FEEDING	83	92	14	N	N	N	N	27	42	11	N	N	N	N	N	10	9	N	N	N	N	N	N	5	1
S. OFFSHORE FEEDING	34	34	96	59	13	96	68	19	33	56	75	99	33	61	N	9	19	31	42	58	4	N	N	9	10
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
SANTA BARBARA ISLAND	N	N	N	N	N	N	N	99	2	N	N	N	N	N	N	13	N	N	N	N	N	N	N	N	N
CORONADOS ISLANDS	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	N	N	N	N	N	N	N	1	N
GUADALUPE ISLAND	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
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
BAJA 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
COASTAL FEED. AREA 1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 4	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	N
COASTAL FEED. AREA 6	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	6	N	N	N	N	N	N	N	7	N
COASTAL FEED. AREA 7	N	N	N	N	N	N	N	10	1	N	N	N	N	N	N	33	15	1	N	N	N	N	N	42	39

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.

TABLE B-3. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE SUMMER SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN TARGET WITHIN 30 DAYS.

	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75	P76
LAND	24	1	N	N	1	N	56	56	18	5	1	N	N	66	42	14	51	1	85	98	74	74	91	93	94	30
N. CHANNEL ISLANDS	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
S. CHANNEL ISLANDS	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	3	N	3	N	N	N	N	N
CHANNEL ISLANDS	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	16	N	4	N	N	N	N	N
N. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
S. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA MONICA BAY	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	57	99	3	N	N	N	N	N
SAN NICHOLAS ISLAND	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	N	2	1	N	N	N	73
BEGG ROCK	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	8
N. ANACAPA ISLAND	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	6	N	N	N	N	N	N	N
SAN MIGUEL 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
LEAST TERN COLONIES	N	N	N	N	N	N	1	N	N	N	N	N	N	3	N	N	1	N	4	15	6	6	21	22	20	N
LEAST TERN COLONY 1	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
LEAST TERN COLONY 2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	3	N	N	N	N	N
LEAST TERN COLONY 3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2	4	20	13	3	N
LEAST TERN COLONY 4	N	N	N	N	N	N	1	N	N	N	N	N	N	3	N	N	1	N	N	N	1	2	1	9	17	N
N. OFFSHORE FEEDING	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N	N	5	N	4	1	N	N	N	90
S. OFFSHORE FEEDING	17	12	11	N	N	N	3	3	8	6	1	N	N	1	3	1	2	N	1	N	2	1	N	N	N	57
ANACAPA ISLAND	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	10	N	N	N	N	N	N	N
SANTA BARBARA ISLAND	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2	N	1	N	N	N	N	N
CORONADOS ISLANDS	N	N	N	N	N	N	12	8	N	N	N	N	N	18	3	N	14	N	N	N	4	3	2	1	6	N
GUADALUPE 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
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
BAJA ISLANDS	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	N
COASTAL FEED. AREA 1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	3	N	N	N	N	N	N	N
COASTAL FEED. AREA 3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	86	99	3	N	N	N	N	N
COASTAL FEED. AREA 4	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	**	54	37	5	5	N
COASTAL FEED. AREA 5	N	N	N	N	N	N	11	2	N	N	N	N	N	17	N	N	6	N	N	N	24	32	66	91	90	N
COASTAL FEED. AREA 6	N	N	N	N	N	N	3	N	N	N	N	N	N	N	N	N	N	N	N	N	19	16	3	2	1	N
COASTAL FEED. AREA 7	10	N	N	N	N	N	22	30	8	N	N	N	N	17	2	N	4	N	N	N	8	5	3	1	N	N

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.

TABLE B-4. -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE AUTUMN SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN TARGET WITHIN 30 DAYS.

	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
LAND	5	2	14	76	97	70	33	68	81	94	71	86	60	42	29	N	2	N	N	9	3	27	22	5	29
N. CHANNEL ISLANDS	21	23	71	14	88	56	40	7	4	2	N	N	N	N	N	N	33	N	N	13	N	23	N	N	21
S. CHANNEL ISLANDS	N	N	N	N	N	6	22	20	12	1	1	N	1	1	N	N	N	N	N	N	N	N	N	N	7
CHANNEL ISLANDS	21	23	71	14	88	61	62	27	16	2	2	N	1	1	N	N	33	N	N	13	N	23	N	N	28
N. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
S. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA MONICA BAY	N	N	N	N	N	N	N	33	41	48	2	1	N	N	N	N	N	N	N	N	N	N	N	N	N
SAN NICHOLAS ISLAND	N	N	N	N	N	10	28	12	8	2	1	1	2	2	N	N	1	N	N	14	5	37	35	14	39
BEGG ROCK	N	N	N	N	N	8	19	9	6	1	N	N	N	N	N	N	1	N	N	13	4	27	43	14	22
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
SAN MIGUEL ISLAND	14	10	66	13	2	1	N	N	N	N	N	N	N	N	N	N	21	N	N	N	N	N	N	N	N
LEAST TERN COLONIES	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
LEAST TERN COLONY 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
LEAST TERN COLONY 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
LEAST TERN COLONY 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
LEAST TERN COLONY 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. OFFSHORE FEEDING	3	2	2	1	N	32	74	32	20	4	3	1	3	3	N	1	10	5	3	71	45	97	96	72	90
S. OFFSHORE FEEDING	3	5	2	N	N	10	22	11	5	2	3	1	3	2	1	3	8	9	10	27	33	31	42	71	28
ANACAPA ISLAND	N	N	N	N	N	29	12	2	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA BARBARA ISLAND	N	N	N	N	N	2	14	5	4	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1
CORONADOS ISLANDS	N	N	N	N	N	N	N	N	N	N	1	N	N	1	1	N	N	N	N	N	N	N	N	N	N
GUADALUPE 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
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
BAJA 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
COASTAL FEED. AREA 1	N	N	21	81	51	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 2	N	N	N	1	60	55	3	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 3	N	N	N	N	N	N	1	42	44	51	3	1	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 4	N	N	N	N	N	N	N	2	8	41	28	56	9	6	6	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 6	N	N	N	N	N	N	N	7	14	11	29	22	27	11	9	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 7	N	N	N	N	N	N	2	3	2	N	14	8	23	25	17	N	N	N	N	N	N	N	N	N	N

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.

TABLE B-4. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE AUTUMN SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN TARGET WITHIN 30 DAYS.

	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	25	32	1	N	N	N	N	35	25	4	N	N	N	N	N	60	41	7	1	N	N	N	N	60	66
N. CHANNEL ISLANDS	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
S. CHANNEL ISLANDS	4	2	N	N	N	N	N	77	36	N	N	N	N	N	N	62	17	N	N	N	N	N	N	7	N
CHANNEL ISLANDS	5	2	N	N	N	N	N	77	36	N	N	N	N	N	N	62	17	N	N	N	N	N	N	7	N
N. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
S. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA MONICA BAY	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
SAN NICHOLAS ISLAND	42	55	3	N	N	N	N	27	32	10	N	N	N	N	N	14	12	1	N	N	N	N	N	8	3
EGG ROCK	23	19	N	N	N	N	N	15	8	N	N	N	N	N	N	6	1	N	N	N	N	N	N	1	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
SAN MIGUEL 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
LEAST TERN COLONIES	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
LEAST TERN COLONY 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
LEAST TERN COLONY 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
LEAST TERN COLONY 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
LEAST TERN COLONY 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. OFFSHORE FEEDING	89	92	18	N	N	N	N	52	61	19	N	N	N	N	N	22	18	1	N	N	N	N	N	12	4
S. OFFSHORE FEEDING	37	38	94	53	16	94	70	30	34	62	86	99	34	62	N	15	31	45	53	66	6	N	N	11	10
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
SANTA BARBARA ISLAND	1	N	N	N	N	N	N	43	3	N	N	N	N	N	N	22	1	N	N	N	N	N	N	2	N
CORONADOS 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
GUADALUPE 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
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
BAJA 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
COASTAL FEED. AREA 1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 3	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
COASTAL FEED. AREA 4	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 6	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	8	N	N	N	N	N	N	N	12	N
COASTAL FEED. AREA 7	1	N	N	N	N	N	N	7	2	N	N	N	N	N	N	28	15	1	N	N	N	N	N	39	44

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.

TABLE B-4. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE AUTUMN SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN TARGET WITHIN 30 DAYS.

	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75	P76
LAND	25	1	N	N	N	N	47	41	5	1	N	N	N	28	6	3	12	N	87	98	**	85	75	52	38	33
N. CHANNEL ISLANDS	N	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
S. CHANNEL ISLANDS	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
CHANNEL ISLANDS	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	33	1	N	N	N	1	N	N
N. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
S. SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SEA OTTER RANGE	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
SANTA MONICA BAY	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	14	99	N	2	1	N	N	N
SAN NICHOLAS ISLAND	N	N	N	N	N	N	3	N	N	N	N	N	N	N	N	N	N	N	5	1	N	N	1	1	N	77
BEGG ROCK	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	4	N	N	N	N	N	N	11
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
SAN MIGUEL 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
LEAST TERN COLONIES	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
LEAST TERN COLONY 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
LEAST TERN COLONY 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
LEAST TERN COLONY 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
LEAST TERN COLONY 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. OFFSHORE FEEDING	N	N	N	N	N	N	4	N	N	N	N	N	N	N	N	N	N	N	16	2	N	1	2	2	N	92
S. OFFSHORE FEEDING	22	30	19	1	N	N	9	2	15	17	2	N	N	4	9	4	4	N	3	N	N	N	1	N	N	57
ANACAPA ISLAND	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
SANTA BARBARA 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
CORONADOS ISLANDS	N	N	N	N	N	N	N	N	N	N	N	N	N	2	1	N	1	N	N	N	N	N	N	N	1	N
GUADALUPE 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
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
BAJA 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
COASTAL FEED. AREA 1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
COASTAL FEED. AREA 2	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
COASTAL FEED. AREA 3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	72	**	N	2	1	N	N	N
COASTAL FEED. AREA 4	N	N	N	N	N	N	1	1	N	N	N	N	N	3	N	N	2	N	N	N	**	68	41	16	14	N
COASTAL FEED. AREA 5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	9	14	37	N
COASTAL FEED. AREA 6	N	N	N	N	N	N	6	N	N	N	N	N	N	3	N	N	2	N	N	N	N	21	26	28	19	N
COASTAL FEED. AREA 7	9	1	N	N	N	N	41	45	12	N	N	N	N	30	6	N	10	N	N	N	N	6	11	11	5	N

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.

TABLE B-5. -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE WINTER SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN LAND SEGMENT WITHIN 30 DAYS.

LAND SEGMENT	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
14	1	N	16	25	8	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
15	N	N	6	23	25	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
16	N	N	1	3	52	38	1	1	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
17	N	N	N	N	1	12	1	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
18	N	N	N	N	N	N	N	3	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
19	3	2	23	8	1	N	N	N	N	N	N	N	N	N	N	N	2	N	N	N	N	N	N	N	N
20	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N
22	N	N	N	N	N	1	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2	N	N	1
23	N	N	N	N	N	4	2	1	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
24	N	N	N	N	N	3	3	1	1	1	N	N	N	N	N	N	N	N	N	N	N	1	N	N	3
25	N	N	N	N	N	N	N	18	18	10	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N
26	N	N	N	N	N	N	1	9	23	66	15	7	1	1	2	N	N	N	N	N	N	N	N	N	N
27	N	N	N	N	N	N	N	N	1	3	16	51	15	12	12	N	N	N	N	N	N	N	N	N	N
28	N	N	N	N	N	8	17	11	5	1	N	N	1	N	N	1	1	1	1	12	6	26	27	9	24
29	N	N	N	N	N	N	1	1	3	N	2	1	4	2	1	N	N	N	N	N	N	N	N	N	N
30	N	N	N	N	N	N	N	5	15	9	19	12	11	6	7	N	N	N	N	N	N	N	N	N	N
31	N	N	N	N	N	1	6	4	2	N	2	1	2	3	2	N	N	N	N	N	N	1	N	N	5
32	N	N	N	N	N	N	2	4	2	N	12	6	16	16	7	N	N	N	N	N	N	N	N	N	1
33	N	N	N	N	N	N	N	N	N	N	N	1	3	2	4	N	N	N	N	N	N	N	N	N	N
34	N	N	N	N	N	N	N	N	N	N	N	N	N	2	2	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	1	N	N	N	N	N	N	N	N	N	N
39	N	N	N	N	N	N	N	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N	N

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.
ROWS WITH ALL VALUES LESS THAN 0.5 PERCENT ARE NOT SHOWN.

TABLE B-5. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE WINTER SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN LAND SEGMENT WITHIN 30 DAYS.

LAND SEGMENT	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
25	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
26	N	N	N	N	N	N	N	1	N	N	N	N	N	N	N	2	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	1	N	N	N	N	N	N	N	N	N
28	32	33	3	N	N	N	N	13	12	2	N	N	N	N	N	4	4	N	N	N	N	N	N	1	N
29	N	N	N	N	N	N	N	1	1	N	N	N	N	N	N	14	1	N	N	N	N	N	N	13	3
30	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
31	4	5	1	N	N	1	N	12	15	8	3	1	N	N	N	12	33	20	5	N	N	N	N	13	24
32	1	1	N	N	N	N	N	6	3	1	N	N	N	N	N	20	13	2	N	N	N	N	N	34	38
38	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
39	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

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.
ROWS WITH ALL VALUES LESS THAN 0.5 PERCENT ARE NOT SHOWN.

TABLE B-5. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE WINTER SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN LAND SEGMENT WITHIN 30 DAYS.

LAND SEGMENT	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75	P76
15	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
16	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	10	1	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	7	1	N	N	N	N	N	N
18	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	13	2	N	N	N	N	N	N
22	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
23	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	3	1	N	N	N	N	N	N
24	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	N
25	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	19	46	N	N	N	N	N	N
26	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N	N	3	29	27	4	2	2	2	N
27	N	N	N	N	N	N	2	2	N	N	N	N	N	5	1	N	4	N	N	N	71	34	23	21	21	N
28	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N	N	9	4	N	N	N	N	N	30
29	N	N	N	N	N	N	7	1	N	N	N	N	N	1	N	N	N	N	N	N	N	2	2	2	1	N
30	N	N	N	N	N	N	2	1	N	N	N	N	N	4	2	N	3	N	N	N	N	13	10	13	11	N
31	34	2	N	N	N	N	5	2	2	N	N	N	N	3	1	N	1	N	1	N	N	1	2	1	1	2
32	N	N	N	N	N	N	23	26	2	N	N	N	N	13	2	N	3	N	N	N	N	4	9	11	4	N
33	N	N	N	N	N	N	N	N	N	N	N	N	N	1	1	N	2	N	N	N	N	17	8	6	4	N
34	N	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N	N	N	N	5	9	2	3	N
35	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	N
36	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2	N
38	N	N	N	N	N	N	1	2	3	N	N	N	N	1	4	4	3	N	N	N	N	N	N	N	N	N
39	1	N	N	N	N	N	N	1	1	1	N	N	N	1	3	2	2	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	1	N	N	N	N	N	N	N	N	N	N
44	N	N	N	N	N	N	N	N	1	1	1	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N
57	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	N

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.
ROWS WITH ALL VALUES LESS THAN 0.5 PERCENT ARE NOT SHOWN.

TABLE B-6. -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE SPRING SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN LAND SEGMENT WITHIN 30 DAYS.

LAND SEGMENT	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
14	N	N	2	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
15	N	N	17	42	5	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
16	N	N	11	44	79	15	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
17	N	N	N	1	13	38	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
19	7	3	37	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
21	N	N	3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
23	N	N	N	1	1	3	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
24	N	N	N	N	N	2	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	N	N	1
25	N	N	N	N	N	N	3	20	6	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
26	N	N	N	N	N	N	1	23	36	58	8	6	1	1	1	N	N	N	N	N	N	N	N	N	N
27	N	N	N	N	N	N	N	1	2	9	13	34	5	7	8	N	N	N	N	N	N	N	N	N	N
28	N	N	N	N	N	6	8	2	1	1	N	N	N	N	N	N	1	N	N	13	1	33	37	2	12
29	N	N	N	N	N	N	N	3	3	N	N	1	N	N	N	N	N	N	N	N	N	N	N	N	N
30	N	N	N	N	N	N	N	15	27	14	14	9	12	8	7	N	N	N	N	N	N	N	N	N	N
31	N	N	N	N	N	5	13	3	1	1	1	1	3	1	1	N	N	N	N	N	N	N	N	N	4
32	N	N	N	N	N	1	5	4	1	2	9	5	10	9	8	N	N	N	N	N	N	N	N	N	1
33	N	N	N	N	N	N	N	N	N	N	1	1	1	2	2	N	N	N	N	N	N	N	N	N	N
34	N	N	N	N	N	N	N	N	N	N	1	N	1	2	4	N	N	N	N	N	N	N	N	N	N
35	N	N	N	N	N	N	N	N	N	1	2	2	4	5	8	N	N	N	N	N	N	N	N	N	N
36	N	N	N	N	N	N	N	N	N	1	4	6	5	8	5	N	N	N	N	N	N	N	N	N	N
37	N	N	N	N	N	N	N	N	N	N	1	1	N	1	2	N	N	N	N	N	N	N	N	N	N
38	N	N	N	N	N	N	1	1	N	N	2	N	3	2	4	N	N	N	N	N	N	N	N	N	N
39	N	N	N	N	N	N	N	1	N	N	1	N	1	1	2	N	N	N	N	N	N	N	N	N	N

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.
ROWS WITH ALL VALUES LESS THAN 0.5 PERCENT ARE NOT SHOWN.

TABLE B-6. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE SPRING SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN LAND SEGMENT WITHIN 30 DAYS.

LAND SEGMENT	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
26	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
26	22	27	N	N	N	N	N	7	8	1	N	N	N	N	N	3	2	N	N	N	N	N	N	1	N
29	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	9	N	N	N	N	N	N	N	N	N
31	2	1	N	N	N	N	N	25	8	2	N	N	N	N	N	12	37	5	N	N	N	N	N	6	26
32	N	N	N	N	N	N	N	5	1	N	N	N	N	N	N	24	13	N	N	N	N	N	N	28	26
36	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
37	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
38	N	N	N	N	N	N	N	1	N	1	N	N	N	N	N	4	2	2	N	N	N	N	N	8	10
39	1	N	N	N	N	N	N	N	N	1	N	N	N	N	N	5	3	2	N	N	N	N	N	8	8
40	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	N	N	N	N	N	N	N	1	N
43	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
44	N	N	N	N	N	N	N	N	N	1	N	N	N	N	N	N	N	1	1	1	N	N	N	N	N
45	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
57	N	N	N	N	N	N	N	N	N	N	N	N	1	N	1	N	N	N	N	1	1	3	1	N	N

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.
ROWS WITH ALL VALUES LESS THAN 0.5 PERCENT ARE NOT SHOWN.

TABLE B-6. (Continued) --PROBABILITIES THAT AN OIL SPILL STARTING IN THE SPRING SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN LAND SEGMENT WITHIN 30 DAYS.

LAND SEGMENT	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75	P76
16	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
17	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	9	N	N	N	N	N	N	N
18	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	16	N	N	N	N	N	N	N
23	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
24	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
25	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	37	12	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	15	88	19	4	2	1	1	N
27	N	N	N	N	N	N	1	1	N	N	N	N	N	3	N	N	1	N	N	N	75	23	10	11	7	N
28	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2	N	N	1	N	N	N	25
29	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	1	1	N
30	N	N	N	N	N	N	4	N	N	N	N	N	N	4	1	N	2	N	N	N	1	14	9	11	9	N
31	27	N	N	N	N	N	3	1	1	N	N	N	N	1	N	N	1	N	1	N	N	N	1	1	1	N
32	N	N	N	N	N	N	11	12	N	N	N	N	N	7	N	N	1	N	1	N	N	4	4	4	5	N
33	N	N	N	N	N	N	1	N	N	N	N	N	N	2	N	N	1	N	N	N	N	11	5	3	3	N
34	N	N	N	N	N	N	N	1	N	N	N	N	N	1	N	N	N	N	N	N	N	4	15	4	4	N
35	N	N	N	N	N	N	3	N	N	N	N	N	N	4	N	N	1	N	N	N	N	3	12	8	7	N
36	N	N	N	N	N	N	3	1	N	N	N	N	N	5	1	N	2	N	N	N	N	2	5	5	10	N
37	N	N	N	N	N	N	2	3	N	N	N	N	N	2	1	N	2	N	N	N	N	1	N	N	1	N
38	4	2	N	N	N	N	13	18	14	2	1	N	N	11	27	10	27	N	N	N	N	N	1	N	1	N
39	5	2	N	N	N	N	6	18	16	4	1	N	N	9	26	15	18	1	N	N	N	N	N	N	N	N
40	N	1	N	N	N	N	N	1	2	1	N	N	N	N	1	1	2	N	N	N	N	N	N	N	N	N
42	N	N	N	N	N	N	N	1	1	1	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N
43	1	1	N	N	N	N	N	N	3	2	1	N	N	N	1	3	N	2	N	N	N	N	N	N	N	N
44	2	4	1	N	N	N	N	N	3	6	3	N	N	N	2	5	1	5	N	N	N	N	N	N	N	N
45	2	1	N	N	N	N	N	N	1	3	2	N	N	N	1	3	N	2	N	N	N	N	N	N	N	N
57	N	N	1	3	4	3	N	N	N	N	1	4	7	N	N	N	N	2	N	N	N	N	N	N	N	N

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.
ROWS WITH ALL VALUES LESS THAN 0.5 PERCENT ARE NOT SHOWN.

TABLE B-7. -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE SUMMER SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN LAND SEGMENT WITHIN 30 DAYS.

LAND SEGMENT	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25
15	N	N	5	14	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
16	N	N	5	20	8	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
17	N	N	N	1	2	4	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
19	13	3	43	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
21	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
22	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	N	N	N	N	1	N	N	1
23	N	N	10	38	73	26	3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	3
24	N	N	N	N	N	3	3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2	N	N	1
25	N	N	N	N	N	1	7	10	2	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
26	N	N	N	N	N	1	6	29	15	8	1	2	N	N	N	N	N	N	N	N	N	N	N	N	N
27	N	N	N	N	N	N	N	N	N	N	1	2	1	N	N	N	N	N	N	N	N	N	N	N	N
28	N	N	N	N	N	3	7	4	4	N	N	N	N	N	N	N	N	N	N	12	N	29	30	2	14
29	N	N	N	N	N	N	N	2	5	1	N	1	N	N	N	N	N	N	N	N	N	N	N	N	N
30	N	N	N	N	N	N	1	10	34	47	23	23	6	2	1	N	N	N	N	N	N	N	N	N	N
31	N	N	N	N	N	6	11	3	2	1	2	1	3	1	1	N	N	N	N	N	N	N	N	N	4
32	N	N	N	N	N	2	7	5	4	7	9	7	11	7	3	N	N	N	N	N	N	N	N	N	N
33	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
35	N	N	N	N	N	N	N	N	N	2	5	11	18	17	7	N	N	N	N	N	N	N	N	N	N
36	N	N	N	N	N	N	N	N	2	6	15	17	20	37	38	N	N	N	N	N	N	N	N	N	N
37	N	N	N	N	N	N	N	N	N	1	5	1	2	4	11	N	N	N	N	N	N	N	N	N	N
38	N	N	N	N	N	N	N	N	1	1	2	N	2	2	7	N	N	N	N	N	N	N	N	N	N
39	N	N	N	N	N	N	N	N	N	1	1	N	1	2	4	N	N	N	N	N	N	N	N	N	N

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.
ROWS WITH ALL VALUES LESS THAN 0.5 PERCENT ARE NOT SHOWN.

TABLE B-7. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE SUMMER SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN LAND SEGMENT WITHIN 30 DAYS.

LAND SEGMENT	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
28	27	31	N	N	N	N	N	9	11	1	N	N	N	N	N	3	3	N	N	N	N	N	N	2	N
29	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	8	N	N	N	N	N	N	N	3	N
31	1	N	N	N	N	N	N	26	3	1	N	N	N	N	N	16	26	5	N	N	N	N	N	12	24
32	N	N	N	N	N	N	N	5	N	N	N	N	N	N	N	26	11	N	N	N	N	N	N	33	30
36	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
38	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2	N	N	N	N	N	N	N	3	3
39	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2	1	1	N	N	N	N	N	3	4
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

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.
ROWS WITH ALL VALUES LESS THAN 0.5 PERCENT ARE NOT SHOWN.

TABLE B-7. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE SUMMER SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN LAND SEGMENT WITHIN 30 DAYS.

LAND SEGMENT	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75	P76
17	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
18	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	3	N	N	N	N	N	N	N
23	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
24	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
25	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	57	5	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	19	92	17	1	N	N	N	N
27	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	5	3	N	N	1	N
28	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	30
29	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	N
30	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	16	14	2	1	1	N
31	22	N	N	N	N	N	5	2	2	N	N	N	N	2	1	N	N	N	N	N	2	1	1	N	N	N
32	N	N	N	N	N	N	16	24	N	N	N	N	N	13	N	N	2	N	N	N	7	4	2	1	N	N
33	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	3	N	N	N	N
34	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	8	4	N	N	N
35	N	N	N	N	N	N	1	N	N	N	N	N	N	2	N	N	1	N	N	N	9	24	71	49	12	N
36	N	N	N	N	N	N	8	1	N	N	N	N	N	13	N	N	5	N	N	N	12	14	8	40	74	N
37	N	N	N	N	N	N	7	4	N	N	N	N	N	8	1	N	6	N	N	N	1	1	N	N	3	N
38	N	N	N	N	N	N	8	11	3	1	N	N	N	15	11	3	14	N	N	N	N	N	1	N	2	N
39	1	N	N	N	N	N	7	11	9	3	N	N	N	12	25	8	20	N	N	N	N	N	N	N	1	N
40	N	N	N	N	N	N	1	1	N	N	N	N	N	1	2	1	2	N	N	N	N	N	N	N	N	N
42	N	N	N	N	N	N	N	1	N	N	N	N	N	1	1	1	N	N	N	N	N	N	N	N	N	N
44	N	N	N	N	N	N	N	N	1	1	N	N	N	N	1	1	N	N	N	N	N	N	N	N	N	N
45	N	N	N	N	N	N	N	N	1	1	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N
57	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

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.
ROWS WITH ALL VALUES LESS THAN 0.5 PERCENT ARE NOT SHOWN.

TABLE B-8. --PROBABILITIES THAT AN OIL SPILL STARTING IN THE AUTUMN SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN LAND SEGMENT WITHIN 30 DAYS.

LAND SEGMENT	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
14	N	N	9	14	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
15	N	N	6	52	15	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
16	N	N	N	7	78	22	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
17	N	N	N	N	3	33	2	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
18	N	N	N	N	N	N	N	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
19	5	2	18	3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
22	N	N	N	N	N	1	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1
23	N	N	N	N	N	2	4	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1
24	N	N	N	N	N	4	4	1	1	N	N	N	N	N	N	N	N	N	N	N	N	2	N	N	2
25	N	N	N	N	N	N	N	32	16	8	1	N	N	N	N	N	N	N	N	N	N	N	N	N	N
26	N	N	N	N	N	N	N	10	31	68	17	10	2	N	N	N	N	N	N	N	N	N	N	N	N
27	N	N	N	N	N	N	N	N	N	3	11	45	6	4	3	N	N	N	N	N	N	N	N	N	N
28	N	N	N	N	N	6	15	7	4	1	N	1	1	2	N	N	1	N	N	9	3	23	22	5	24
29	N	N	N	N	N	N	N	1	1	1	2	1	4	1	1	N	N	N	N	N	N	N	N	N	N
30	N	N	N	N	N	N	N	7	16	11	22	19	17	7	5	N	N	N	N	N	N	N	N	N	N
31	N	N	N	N	N	1	3	2	2	N	4	1	6	4	2	N	N	N	N	N	N	N	N	N	1
32	N	N	N	N	N	N	1	2	1	N	11	7	18	20	13	N	N	N	N	N	N	N	N	N	N
33	N	N	N	N	N	N	N	N	N	N	N	1	N	1	1	N	N	N	N	N	N	N	N	N	N

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.
ROWS WITH ALL VALUES LESS THAN 0.5 PERCENT ARE NOT SHOWN.

TABLE B-8. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE AUTUMN SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN LAND SEGMENT WITHIN 30 DAYS.

LAND SEGMENT	P26	P27	P28	P29	P30	P31	P32	P33	P34	P35	P36	P37	P38	P39	P40	P41	P42	P43	P44	P45	P46	P47	P48	P49	P50
28	23	31	1	N	N	N	N	14	19	4	N	N	N	N	N	8	7	N	N	N	N	N	N	5	1
29	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	8	N	N	N	N	N	N	N	6	N
30	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
31	2	1	N	N	N	N	N	17	5	N	N	N	N	N	N	14	24	7	1	N	N	N	N	12	29
32	N	N	N	N	N	N	N	4	1	N	N	N	N	N	N	20	10	N	N	N	N	N	N	31	35

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.
ROWS WITH ALL VALUES LESS THAN 0.5 PERCENT ARE NOT SHOWN.

TABLE B-8. (Continued) -- PROBABILITIES THAT AN OIL SPILL STARTING IN THE AUTUMN SEASON AT A PARTICULAR LOCATION WILL CONTACT A CERTAIN LAND SEGMENT WITHIN 30 DAYS.

LAND SEGMENT	P51	P52	P53	P54	P55	P56	P57	P58	P59	P60	P61	P62	P63	P64	P65	P66	P67	P68	P69	P70	P71	P72	P73	P74	P75	P76
16	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	4	N	N	N	N	N	N	N
17	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	10	N	N	N	N	N	N	N
18	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	22	1	N	N	N	N	N	N
23	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	3	N	N	N	N	N	N	N
24	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	4	N	N	N	N	N	N	N
25	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	39	28	N	1	N	N	N	N
26	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	69	31	7	7	2	2	N
27	N	N	N	N	N	N	N	N	N	N	N	N	N	1	N	N	1	N	N	N	69	36	17	11	9	N
28	N	N	N	N	N	N	2	N	N	N	N	N	N	N	N	N	N	N	4	1	N	N	1	N	N	33
29	N	N	N	N	N	N	4	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	1	2	1	N
30	N	N	N	N	N	N	1	N	N	N	N	N	N	2	N	N	2	N	N	N	N	17	21	22	14	N
31	25	1	N	N	N	N	7	3	3	N	N	N	N	4	1	N	2	N	N	N	N	2	3	1	N	N
32	N	N	N	N	N	N	31	36	2	N	N	N	N	21	3	N	4	N	N	N	N	5	9	9	5	N
33	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	N	N	N	N	11	5	1	1	N
34	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	3	5	N	N	N
35	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	N	N	N
36	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	2	N
38	N	N	N	N	N	N	N	N	N	N	N	N	N	N	1	1	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	1	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	1	N	N	N	N	N	N	N	N	N	N

NOTE: ** = GREATER THAN 99.5 PERCENT; N = LESS THAN 0.5 PERCENT.
ROWS WITH ALL VALUES LESS THAN 0.5 PERCENT ARE NOT SHOWN.

Appendix C

Table C-1. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, most likely volume scenario, comparison of three deletion alternatives.

Target	Within 3 days						Within 10 days						Within 30 days					
	DELETE SANTA MONICA		DELETE SAN DIEGO		DELETE SAN NICHOLAS		DELETE SANTA MONICA		DELETE SAN DIEGO		DELETE SAN NICHOLAS		DELETE SANTA MONICA		DELETE SAN DIEGO		DELETE SAN NICHOLAS	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	14	0.1	15	0.2	16	0.2	24	0.3	26	0.3	27	0.3	30	0.4	32	0.4	34	0.4
N. Channel Islands	10	0.1	10	0.1	10	0.1	12	0.1	12	0.1	12	0.1	13	0.1	13	0.1	13	0.1
S. Channel Islands	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	3	0.0	2	0.0
Channel Islands	11	0.1	11	0.1	11	0.1	13	0.1	14	0.2	14	0.1	14	0.2	15	0.2	15	0.2
N. Sea Otter Range	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
S. Sea Otter Range	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Otter Range	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Santa Monica Bay	2	0.0	5	0.0	4	0.0	3	0.0	6	0.1	5	0.1	3	0.0	6	0.1	5	0.1
San Nicholas Island	1	0.0	1	0.0	n	0.0	1	0.0	?	0.0	1	0.0	2	0.0	2	0.0	2	0.0
Hegg Rock	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
N. Anacapa Island	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
San Miguel Island	5	0.1	5	0.1	5	0.1	7	0.1	7	0.1	7	0.1	7	0.1	7	0.1	7	0.1
Least Tern Colonies	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	4	0.0
Least Tern Colony 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Least Tern Colony 2	1	0.0	1	0.0	2	0.0	2	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0
Least Tern Colony 3	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Least Tern Colony 4	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
N. Offshore Feeding	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0	5	0.1	6	0.1	6	0.1
S. Offshore Feeding	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	3	0.0	6	0.1	6	0.1	6	0.1
Anacapa Island	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Santa Barbara Island	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
Coronados Islands	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Guadalupe Island	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Farallon Islands	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Baja Islands	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Coastal Feed. Area 1	5	0.1	5	0.1	5	0.1	8	0.1	8	0.1	8	0.1	9	0.1	9	0.1	9	0.1
Coastal Feed. Area 2	4	0.0	4	0.0	4	0.0	4	0.0	4	0.0	4	0.0	5	0.0	5	0.0	5	0.0
Coastal Feed. Area 3	2	0.0	5	0.0	4	0.0	3	0.0	6	0.1	6	0.1	3	0.0	7	0.1	6	0.1
Coastal Feed. Area 4	7	0.1	7	0.1	8	0.1	8	0.1	7	0.1	9	0.1	8	0.1	7	0.1	10	0.1
Coastal Feed. Area 5	1	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0	2	0.0	1	0.0	3	0.0
Coastal Feed. Area 6	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0	4	0.0
Coastal Feed. Area 7	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0

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

Table C-2. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting land segments over the expected production life of the lease area, most likely volume scenario, comparison of three deletion alternatives.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	DELETE SANTA MONICA		DELETE SAN DIEGO		DELETE SAN NICHOLAS		DELETE SANTA MONICA		DELETE SAN DIEGO		DELETE SAN NICHOLAS		DELETE SANTA MONICA		DELETE SAN DIEGO		DELETE SAN NICHOLAS	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
14	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
15	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0	5	0.0	5	0.0	5	0.0
16	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0	3	0.0
17	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
19	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
23	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
25	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0
26	3	0.0	4	0.0	4	0.0	5	0.0	7	0.1	7	0.1	5	0.0	7	0.1	7	0.1
27	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	4	0.0	3	0.0	3	0.0	4	0.0
28	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
30	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	3	0.0
31	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0	1	0.0
32	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0
35	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0
36	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0

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

Table C-3. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting targets over the expected production life of the lease area, conditional mean volume scenario, comparison of three deletion alternatives.

Target	Within 3 days						Within 10 days						Within 30 days					
	DELETE SANTA MONICA		DELETE SAN DIEGO		DELETE SAN NICHOLAS		DELETE SANTA MONICA		DELETE SAN DIEGO		DELETE SAN NICHOLAS		DELETE SANTA MONICA		DELETE SAN DIEGO		DELETE SAN NICHOLAS	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
Land	42	0.5	46	0.6	46	0.6	65	1.0	69	1.2	69	1.2	76	1.4	79	1.6	80	1.6
N. Channel Islands	31	0.4	31	0.4	31	0.4	38	0.5	38	0.5	38	0.5	40	0.5	40	0.5	40	0.5
S. Channel Islands	9	0.1	10	0.1	10	0.1	11	0.1	12	0.1	11	0.1	11	0.1	12	0.1	12	0.1
Channel Islands	37	0.5	38	0.5	38	0.5	44	0.6	45	0.6	45	0.6	46	0.6	48	0.6	47	0.6
N. Sea Otter Range	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
S. Sea Otter Range	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Sea Otter Range	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Santa Monica Bay	5	0.1	12	0.1	11	0.1	8	0.1	16	0.2	14	0.2	9	0.1	17	0.2	15	0.2
San Nicholas Island	5	0.1	5	0.1	4	0.0	10	0.1	11	0.1	9	0.1	13	0.1	14	0.2	13	0.1
Begg Rock	3	0.0	3	0.0	3	0.0	6	0.1	6	0.1	6	0.1	7	0.1	8	0.1	7	0.1
N. Anacapa Island	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0
San Miguel Island	15	0.2	15	0.2	15	0.2	22	0.2	22	0.2	22	0.2	23	0.3	23	0.3	23	0.3
Least Tern Colonies	6	0.1	7	0.1	7	0.1	8	0.1	9	0.1	10	0.1	10	0.1	11	0.1	13	0.1
Least Tern Colony 1	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Least Tern Colony 2	5	0.1	6	0.1	6	0.1	6	0.1	6	0.1	7	0.1	7	0.1	7	0.1	8	0.1
Least Tern Colony 3	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Least Tern Colony 4	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
N. Offshore Feeding	17	0.2	17	0.2	15	0.2	24	0.3	25	0.3	24	0.3	29	0.3	30	0.4	29	0.3
S. Offshore Feeding	17	0.2	17	0.2	16	0.2	26	0.3	26	0.3	25	0.3	36	0.4	37	0.5	36	0.4
Anacapa Island	2	0.0	2	0.0	2	0.0	3	0.0	3	0.0	3	0.0	4	0.0	5	0.0	5	0.0
Santa Barbara Island	3	0.0	3	0.0	3	0.0	4	0.0	4	0.0	4	0.0	4	0.0	5	0.0	5	0.0
Coronados Islands	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0	3	0.0	3	0.0	3	0.0
Guadalupe Island	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Farallon Islands	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0
Baja Islands	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
Coastal Feed. Area 1	14	0.2	14	0.2	14	0.2	23	0.3	23	0.3	23	0.3	24	0.3	24	0.3	24	0.3
Coastal Feed. Area 2	13	0.1	13	0.1	13	0.1	14	0.2	14	0.2	14	0.2	15	0.2	16	0.2	16	0.2
Coastal Feed. Area 3	5	0.1	12	0.1	11	0.1	9	0.1	17	0.2	15	0.2	10	0.1	18	0.2	16	0.2
Coastal Feed. Area 4	24	0.3	26	0.3	28	0.3	26	0.3	27	0.3	31	0.4	28	0.3	29	0.3	33	0.4
Coastal Feed. Area 5	1	0.0	n	0.0	2	0.0	2	0.0	1	0.0	3	0.0	7	0.1	6	0.1	9	0.1
Coastal Feed. Area 6	6	0.1	7	0.1	6	0.1	11	0.1	12	0.1	12	0.1	13	0.1	14	0.2	15	0.2
Coastal Feed. Area 7	4	0.0	4	0.0	4	0.0	10	0.1	11	0.1	11	0.1	15	0.2	16	0.2	16	0.2

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

Table C-4. -- Probabilities (expressed as percent chance) of one or more spills, and the expected number of spills (mean) occurring and contacting land segments over the expected production life of the lease area, conditional mean volume scenario, comparison of three deletion alternatives.

Land Segment	Within 3 days						Within 10 days						Within 30 days					
	DELETE SANTA MONICA		DELETE SAN DIEGO		DELETE SAN NICHOLAS		DELETE SANTA MONICA		DELETE SAN DIEGO		DELETE SAN NICHOLAS		DELETE SANTA MONICA		DELETE SAN DIEGO		DELETE SAN NICHOLAS	
	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean	Prob	Mean
14	1	0.0	1	0.0	1	0.0	4	0.0	4	0.0	4	0.0	5	0.0	5	0.0	5	0.0
15	5	0.0	5	0.0	5	0.0	11	0.1	11	0.1	11	0.1	13	0.1	13	0.1	13	0.1
16	5	0.0	5	0.0	5	0.0	9	0.1	10	0.1	10	0.1	11	0.1	11	0.1	11	0.1
17	4	0.0	4	0.0	4	0.0	6	0.1	6	0.1	6	0.1	6	0.1	6	0.1	6	0.1
19	3	0.0	3	0.0	3	0.0	7	0.1	7	0.1	7	0.1	8	0.1	8	0.1	8	0.1
23	n	0.0	n	0.0	n	0.0	2	0.0	2	0.0	2	0.0	4	0.0	4	0.0	4	0.0
25	n	0.0	1	0.0	1	0.0	2	0.0	4	0.0	3	0.0	2	0.0	5	0.1	4	0.0
26	11	0.1	15	0.2	15	0.2	16	0.2	22	0.2	21	0.2	17	0.2	23	0.3	22	0.2
27	9	0.1	10	0.1	11	0.1	11	0.1	11	0.1	13	0.1	12	0.1	12	0.1	15	0.2
28	2	0.0	2	0.0	2	0.0	6	0.1	6	0.1	5	0.1	8	0.1	8	0.1	8	0.1
29	1	0.0	1	0.0	1	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0	2	0.0
30	4	0.0	5	0.1	5	0.0	9	0.1	10	0.1	10	0.1	10	0.1	11	0.1	12	0.1
31	2	0.0	2	0.0	2	0.0	5	0.0	5	0.1	5	0.0	7	0.1	7	0.1	7	0.1
32	2	0.0	2	0.0	2	0.0	7	0.1	7	0.1	7	0.1	11	0.1	12	0.1	12	0.1
33	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	n	0.0	1	0.0
34	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0
35	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	2	0.0	2	0.0	3	0.0
36	n	0.0	n	0.0	n	0.0	1	0.0	n	0.0	1	0.0	4	0.0	4	0.0	5	0.1
37	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	1	0.0	1	0.0	1	0.0
38	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	3	0.0	4	0.0	4	0.0
39	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	n	0.0	3	0.0	3	0.0	3	0.0

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