OCS Report
BOEM 2020-003

Oil Spill Risk Analysis: Conditional Probabilities for the Beaufort Sea Planning Area

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Oil Spill Risk Analysis: Conditional Probabilities for the Beaufort Sea Planning Area

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ABOUT THE COVER

This graphic depicts the study area in the Beaufort and Chukchi Seas and boundary segments used in the oil spill risk analysis model for the the Beaufort Sea Planning Area.

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Abbreviations and Acronyms

bbl	barrel (1 barrel = 42 U.S. gallons)
BOEM	Bureau of Ocean Energy Management
BS	boundary segment
BSEE	Bureau of Safety and Environmental Enforcement
E	East
EFH	Essential Fish Habitat
EIS	environmental impact statement
ERA	environmental resource area
ESI	environmental sensitivity index
CORE	Coordinated Ocean Research Experiments
GLS	grouped land segment
GMT	Greenwich Mean Time
ID	identification number
km	kilometer(s)
LA	launch area
LS	land segment
mi	mile(s)
N	North
OCS	Outer Continental Shelf
OSRA	oil spill risk analysis
PL	pipeline
ROMS	Regional Ocean Modeling System
USDOI	United States Department of the Interior
W	West

1 Introduction

The Federal Government offers U.S. Outer Continental Shelf (OCS) lands for oil and gas leasing. Because oil spills may occur from activities associated with offshore oil and gas exploration, production, decommissioning, or transportation resulting from potential lease sales or current leases in the Beaufort Sea Planning Area, the U.S. Department of the Interior (USDOI) Bureau of Ocean Energy Management (BOEM) conducted an oil spill risk analysis (OSRA) to provide spill statistics that can be used for environmental analyses or response planning. This report summarizes the methods and results of the OSRA conducted for the the Beaufort Sea Planning Area.

The analysis in this report estimates the probability of contact to offshore and onshore coastal resources from accidental large oil spills occurring from potential OCS oil- and gas-related activities in the Beaufort Sea Planning Area. Large spills are defined as spills greater than or equal to [≥] 1,000 bbl, meaning that 1,000 bbl is the minimum threshold size for a large spill. The occurrence of oil spills is fundamentally a matter of probability. There is no certainty regarding the amount of oil and gas that could be discovered and then produced, or the size or likelihood of a spill that could occur during the estimated life of a given lease sale. Also, the winds, ocean currents, and sea ice that could transport oil spills cannot be known for certain. A probabilistic event, such as an oil spill occurrence or oil spill contact to an offshore and onshore coastal resource, cannot be predicted, but an estimate of its likelihood (its probability) can be quantified.

2 Framework of the Report

Many factors are considered when producing an OSRA report. These include the purpose of the report, the location of the analysis, and individual components of the OSRA model.

2.1 Purpose

The purpose of this report is to provide spill statistics for analysis needed if lease sales are offered in the Beaufort Sea Planning Area (see Figure A-1 in Appendix A). The Beaufort Sea Planning Area may contain economically recoverable oil and gas resources within the federally owned portion of the U.S. Beaufort Sea. Certain OCS blocks are currently leased or could be offered for lease in the future. Modeling results are used by BOEM for preparing environmental documents in accordance with the National Environmental Policy Act; other Federal and State agencies for reviewing environmental impact statements (EISs), environmental assessments, and endangered species consultations; and oil industry specialists for preparing oil spill response plans.

2.2 Study Area

As shown in Figure A-1 in Appendix A, the study area for this analysis, which extends from 174° E to 130° W and 66º N to 75º N, defines the geographic boundaries that encompass the offshore and onshore coastal resources evaluated for spill contact from a hypothetical large oil spill from OCS operations in the Beaufort Sea Planning Area. The study area is formed by 40 offshore boundary segments (BSs) and the Beaufort Sea (United States and Canada) and Chukchi Sea (United States and Russia) coastlines (Figure A-1).

2.3 OSRA Components

The OSRA is typically conducted in three parts, corresponding to different aspects of the overall problem:

1. The probability of large oil spill occurrence
2. The trajectories of large oil spills from hypothetical spill locations to various offshore and onshore coastal resources
3. A combination of the first two analyses to estimate the overall large oil spill risk of both large spill occurrence and spill contact if there is oil development and production

Risk analyses may be characterized as "hazard-based" or "risk-based." A hazard-based analysis examines possible events regardless of their likelihood. For example, a potential impact would not lose significance due to a reduction in occurrence frequency resulting from an increase in the level of control, such as engineering standards. A risk-based analysis, on the other hand, does consider the likelihood of the event occurring or the measures that can be taken to mitigate against its potential impacts.

OSRA is designed for use as both a hazard and risk-based assessment. The analysis requires trajectory simulations from an oil spill trajectory model. Results from the trajectory analysis provide an interim product as well as input to the final product by estimating where large spills might travel on the ocean's surface and what resources might be contacted, assuming a large spill has occurred.

For the final results, the likelihood of large oil spills occurring on the OCS plays an integral role. The final results from the OSRA are, therefore, expressed as the combined probability of one or more large spills both occurring and contacting offshore and onshore coastal resource locations.

Note that the OSRA model estimates spill contacts or occurrence and contact, not spill impacts. The spill impact analysis is conducted in an EIS. Further measures that are evaluated to determine impacts, such as the oil spill weathering and cleanup activities, are not directly factored into the OSRA but are discussed and evaluated in the EIS

The purpose of this OSRA report is to provide hazard-based analyses. At this time, lease sales have not yet been planned in this region, and, therefore, the first and third components of OSRA were not conducted and discussed in this report. The large spill statistics described assume a spill occurs and do not factor in their chance of occurrence.

3 OSRA

The OSRA model only considers large spills. A small spill (< 1,000 bbl) would not be expected to persist on the water long enough for the model to follow its path in a trajectory analysis, but a large spill would. This report addresses large spills, and small spills are analyzed in an EIS without the use of a trajectory analysis.

3.1 OSRA Model

The OSRA model is designed to track the movements of hypothetical large oil spills and to calculate the potential contacts to the offshore and onshore coastal resources. The OSRA model, originally developed by Smith et al. (1982), has been enhanced by BOEM over the years (Price et al. 2003, Price et al. 2004, Ji et al. 2011, Li and Johnson 2016, Li and Johnson 2019). The OSRA model typically performs five functions:

1. Estimates where a hypothetical large spill from a particular launch point would move over a specific period of time using model-simulated historical wind, sea ice, and ocean-current information (Sections 3.1.1 and 3.1.2)
2. Geographically and temporally tracks each simulated oil spill trajectory relative to the locations of offshore and onshore coastal resources (Sections 3.1.3, 3.1.4, and 3.1.5)
3. Counts each time a simulated oil spill trajectory contacts offshore and onshore coastal resources (Section 3.2)
4. Estimates the conditional probability of contact based on the total number of simulated oil spill trajectories launched from a given point and the total number of contacts to each specific offshore and onshore coastal resource (Section 3.2)
5. Estimates the combined probabilities of one or more large spills both occurring and contacting offshore and onshore coastal resources

In this report, only conditional probabilities were generated using steps one through four. Therefore, estimates of combined probabilities are not discussed.

3.1.1 Model-Simulated Ocean Currents, Sea Ice, and Winds as Inputs to OSRA

An oil spill on the ocean surface moves around due to complex ocean surface currents, sea ice, or wind exerting a shear force on the spilled oil. The OSRA model estimated oil spill trajectories using model-simulated hindcast fields of surface ocean currents, sea ice movement and concentration, and winds in the Beaufort and Chukchi Seas. BOEM derived these hindcast fields from a state-of-the-art, three-dimensional, coupled ice-ocean hydrodynamic model (Curchitser et al. 2013).

The model is based on the Regional Ocean Modeling System (ROMS) (Shcheptkin and McWilliams 2005), which has the following advanced features: high-order, weakly dissipative algorithms for tracer advection; a unified treatment of surface and bottom boundary layers (Large et al. 1994); and atmosphere-ocean flux computations based on the ocean model prognostic variables using bulk formulas (Fairall et al. 2003, Large and Yeager 2009). The ROMS is coupled to a sea ice model (Budgell 2005), which consists of elastic-viscous-plastic rheology (Hunke and Dukowicz 1997, Hunke 2001) and Mellor and Kantha (1989) thermodynamics.

This model simulated flow properties and sea ice evolution for the Arctic with enhanced resolution (4–5 km) in the Chukchi and Beaufort Seas during the years 1985–2005. The sea ice model is adapted to represent landfast ice. The coupled ocean-ice hydrodynamic model uses six-hourly CORE2 forcing files (Large and Yeager 2009), including winds, air temperature, air pressure, humidity, and daily solar radiation to compute the momentum, heat, and salt fluxes. Comparison of model results with observation shows significant skill in the model capability to reproduce observed circulation and sea ice patterns in the Beaufort and Chukchi Seas (Curchitser et al. 2013). BOEM down-scaled the model results to a resolution of approximately 2.5 km in the north-south direction.

BOEM also used the reanalysis (1986–2004) wind fields provided by Curchitser et al. (2013). The wind data are from CORE2 (Large and Yeager 2009) and are interpolated to the coupled ocean model grid at 3-hour intervals.

3.1.2 Model Domain

The OSRA model domain is the same as the study area described in Section 2.2. The OSRA model resolution is 0.6 km by 0.6 km for a total of six million grid cells in the model domain. The model domain's geographic boundaries encompass the offshore and onshore coastal resources that are in and adjacent to the Beaufort Sea Planning Area and that are evaluated for spill risk from OCS activities. The OSRA model domain is chosen to be large enough to allow most simulated oil spill trajectories to develop

without contacting the open-ocean sides of the model boundary for as long as 360 days. In order to quantify simulated oil spill trajectories that may travel out of the study area, BOEM tracked and tabulated the trajectories that contacted the open-ocean BSs. Each BS was treated as being vulnerable all year. If a spill is large enough to persist more than 360 days and contact the BSs, these trajectories could contact land or other offshore and onshore coastal resources outside the domain.

3.1.3 Launch Points

Launch points are the locations where the hypothetical oil spill trajectory simulation starts. Launch points are spaced at variable intervals within the Beaufort Sea Planning Area. Launch points along the shelf are spaced every 12.4 km in the east-west direction and 15.6 km in the north-south direction. Launch points on the slope and basin are spaced at greater distances (18–31 km east-west and 21–42 km north-south). At this resolution, there are 581 total launch points in space. As shown in Figure A-2, the launch points are grouped into the 11 launch areas (LAs 1–11) and five pipelines (PLs 1–5) that represent the Beaufort Sea Planning Area and potential associated infrastructure.

The PLs are not meant to represent proposed pipelines or any real or planned pipeline locations. They are distributed throughout the Beaufort Sea Planning Area to evaluate differences in hypothetical oil spill trajectories from different locations. If and when commercial hydrocarbons are discovered, detailed development scenarios will be engineered, designed, reviewed, and evaluated by industry, BSEE, BOEM, and other applicable regulatory agencies.

3.1.4 Hypothetical Oil Spill Trajectory Simulations

The trajectories are the routes that particles will likely travel under given wind, sea ice, and ocean-current conditions. In the OSRA model, the hypothetical oil spill is released at the surface, and trajectories are simulated using the surface wind, current, and ice data from numerical models. The trajectories are produced by numerically integrating temporally and spatially varying surface ocean currents and superposing an empirical wind-induced drift of the hypothetical oil spills (Samuels et al. 1982). Millions of trajectories are simulated to give a statistical representation of possible pathways that spilled oil will take under a wide range of wind, sea ice, and ocean-current conditions that exist in the OSRA study area. In summary, the simulated trajectories in the OSRA model represent accumulated effects of surface wind, current, and ice conditions on hypothetical oil spills over a period of time (depending on the length of the dataset) and can be regarded as trajectory simulations for one of the climate conditions.

Trajectory simulations are performed for three timeframes: annual (January 1–December 31), winter (November 1–June 30), and summer (July 1–October 30). The seasonal timeframes generally represent Arctic summer (open water) or Arctic winter (ice cover). The choice of these timeframes is based on meteorological, climatological, and biological cycles, as well as consultation with BOEM Alaska OCS Region analysts.

The trajectories are computed on an hourly basis driven by wind, current, and sea ice data from a coupled ice-ocean model with 18 years (1986–2004) of simulation (described in Section 3.1.1 and in detail in Curchitser et al. 2013). For each trajectory simulation, the start time for the first trajectory is the first day of the timeframe (annual, summer, or winter) of the first year of wind, current, and sea ice data (1986) at 6 a.m. Greenwich Mean Time (GMT). Each subsequent trajectory is started every 2 days at 6 a.m. GMT over 18 years (1986–2004). For this analysis, 3,240 trajectories are simulated from each of the 581 launch points for a total of 1,882,440 trajectories. For each launch point, a total of 810 and 2,430 trajectories are simulated in the summer and winter timeframe, respectively.

Trajectories are calculated using equation (1). For cases where the sea ice concentration is below 80 percent, each trajectory is constructed using vector addition of the ocean-current field and 3.5 percent of

the instantaneous wind field—a method based on work done by Huang and Monastero (1982), Smith et al. (1982), and Stolzenbach et al. (1977). For cases where the sea ice concentration is 80 percent or greater, the sea ice velocity is used to transport the oil. Equation (1) shows the components of motion that are simulated and used to describe the oil transport:

$$U_{oil} = \begin{cases} Ucurrent + 0.035 * Uwind, if\ ice\ concentration < 80\% \\ Uice, if\ ice\ concentration \geq 80\% \end{cases} \quad (1)$$

Where U_{oil} = oil drift vector
$U_{current}$ = current vector (when sea ice concentration < 80%)
U_{wind} = wind speed at 10 m above the sea surface
U_{ice} = ice vector (when sea ice concentration ≥ 80%)

The wind drift factor is estimated to be 0.035, with a variable drift angle ranging from 0^{o} to 25^{o} clockwise. The drift angle is computed as a function of wind speed according to the formula in Samuels et al. (1982). The drift angle is inversely related to wind speed.

Depending on the path of the simulated oil spill trajectory and its surrounding environment, the trajectory is allowed to travel for a minimum of 30 days (if the spill is in open water the entire time) to a maximum of 360 days (if the spill is in the sea ice the entire time, where sea ice concentration is 80 percent or greater). For those trajectories that come out of the sea ice and melt into open water, the trajectory is allowed to travel for a maximum of 30 days. The total combined time that the trajectory can travel in the open water and sea ice does not exceed 360 days.

3.1.5 Resources Considered in the Analysis

Offshore and onshore coastal resources consist of environmental resource areas (ERAs), land segments (LSs), grouped land segments (GLSs), and BSs. ERAs represent offshore areas of social, economic, or biological resources or resource habitats, while LSs and GLSs represent onshore coastal areas of social, economic, or biological resources or resource habitats. BOEM Alaska OCS Region analysts designated these resources by working with other Federal and state agencies, academia, and various stakeholders who provided information, including local and traditional knowledge about these resources. BOEM analysts also used information from its Environmental Studies Program research, literature reviews, and professional exchange with other scientists to define these resources.

The analysts used geographic and temporal information on biological, physical, and socioeconomic resources to map resource locations potentially vulnerable to oil spill contact. Resources that are present year round are treated as vulnerable to contact all year. Each resource not usually present year round is treated as vulnerable to contact only during the months it is likely to be present.

This analysis includes 122 ERAs representing concentrations of wildlife, habitat, subsistence use areas, or subsurface habitats (see Figures A-3a through A-3g). For biological resources, ERAs are determined by several factors, including density, important habitat, and life history features. Although multiple species may occur within an ERA, ERAs are assigned to those species for which there is sufficient information to confidently identify the area as important. The names or abbreviations of the ERAs, the general resource(s) they represent, and their vulnerability (i.e., months of habitat or resource use) are shown in Table B.1-1. Information regarding the specific ERAs for lower trophic level organisms, fish, whales, polar bears, walrus, ice seals, terrestrial mammals, birds, and subsistence resources is found in Tables B.1-2, 3, 4, 5, 6, 7, 8, 9, and 10 respectively.

All the onshore coastal resource locations are represented by one or more partitions of the coastline (i.e., LSs). The study area coastline is partitioned into 132 LSs of approximately 12–15 mi (20–25 km) in length. The partitions are formed by creating straight lines between two points projected onto the coast; therefore, depending upon the complexity of the coastal area, the actual miles of shoreline represented by each LS may be greater than 15 mi. The locations of these 132 LSs are shown in Figures A-4a through A-4c. The geographic place names in each of the LSs are shown in Table B.1-11. BOEM compiled the Environmental Sensitivity Index (ESI) for each of the LSs along the northern coast of Alaska (Harper and Morris 2014). For each LS, the percentage of each ESI type by length is shown in Table B.1-12. In general, the higher the ESI number, the longer the oil is estimated to persist in that type of substrate.

The LSs are further grouped into 52 larger geographic areas, or GLSs, and are evaluated as unique resources. Figures A-5a through A-5c shows the location of these 52 GLSs. Table B.1-13 shows the GLSs, their names, the individual LSs that make them up, and the months they are vulnerable to spills. Anadromous fish, polar bears, walrus, ice seals, terrestrial mammals, birds, and subsistence resources represented by GLSs are further described in Tables B.1-3, 5, 6, 7, 8, 9, and 10 respectively.

3.2 Conditional Probability Calculation

Conditional probabilities assume a large spill occurs and depend on the winds, currents, and sea ice in the study area. Conditional probabilities do not factor in the chance of large spill occurrence. During the hypothetical oil spill trajectory simulations, the OSRA model tabulated “contacts” to resources. A contact occurred when a simulated oil spill trajectory touched a resource such as an ERA, LS, or BS. The model contains the geographical boundaries and temporal vulnerability of a variety of identified environmental resource features. At every hourly interval, the OSRA model calculated the locations of the simulated oil spill trajectories and counted the number of oil spill contacts to the locations of onshore coastal and offshore resources. A contact to an LS stopped the simulated trajectory; no rewashing is assumed in the OSRA model. However, contacts to the transparent (non-land) offshore ERAs did not stop the simulated trajectories.

Assuming that a large oil spill occurs, the probability that an oil spill will contact a specific resource within a given time of travel from a launch point is termed a conditional probability. After specified periods of time, the OSRA model divided the total number of contacts to the resources by the total number of simulated oil spill trajectories initiated in the model from a given launch point. These ratios are the estimated conditional probabilities of large oil spill contact from a given launch point. The launch points are then averaged within groupings of hypothetical LAs and PLs.

For Beaufort Sea Planning Area, the probability of large oil spill contact to a resource is computed for designated oil spill travel times of 3, 10, 30, 90, 120, and 360 days. Summer spills are defined as those that begin anytime from July 1 through October 30. Therefore, if any contact to an ERA or LS is made by a trajectory that began before the end of summer season, it is considered a summer contact and is counted along with the rest of the contacts from spills launched in the summer. BOEM estimates the conditional probability of contact from spills that start in winter, freeze into the sea ice, and melt out in the Arctic summer. Winter spills are defined as spills that begin any time from November 1 through June 30, melt out of the ice, and contact an ERA or LS during the open-water period. Therefore, if any contact to an ERA or LS is made by a trajectory that began before the end of the winter season, it is considered a winter contact and is counted along with the rest of the contacts from spills launched in the winter.

The trajectories simulated by the model represent only hypothetical pathways of oil spills; they do not involve any direct consideration of cleanup, dispersion, or weathering processes that could alter the quantity or properties of oil that might eventually contact the resources. However, an implicit analysis of weathering and decay can be considered by noting the ages of the simulated oil spills when they contact

resources. Conditional probabilities of contact with resources within 3, 10, 30, 90, 120, and 360 days of travel time are calculated for each of the launch points by the model. Conditional probabilities are expressed as a percent chance. This means that the probability (a fractional number between 0 and 1) is multiplied by 100 and expressed as a percentage.

4 OSRA Model Results and Discussion

The OSRA model results are a series of conditional probabilities of contacts between simulated oil spill trajectories from a specific area and an ERA, LS, GLS, or BS. These conditional probabilities are presented in Tables B.2-1 through B.2-72 in Appendix B.

The tables in Appendix B.2 are arranged to address conditional probabilities of different timeframes in this order: 1) annual, 2) summer, and 3) winter. Within each timeframe, the probability is reported by ERAs, LSs, GLSs, and BSs within 3, 10, 30, 90, 120, and 360-day time periods.

4.1 Discussion

It is important to note that the modeled and assessed scenarios in this report are unmitigated events to provide a conservative basis for environmental effects assessment. There are factors not explicitly considered by the OSRA model that can affect the transport of spilled oil as well as the dimensions, volume, and nature of the large oil spills contacting biological, social, or economic resources. These factors include possible prevention and response measures, physical or biological weathering of oil spills, or the spreading and splitting of oil spills. The OSRA model takes a more environmentally conservative approach by presuming persistence of hypothetical spilled oil over the selected time duration of the trajectories. These assumptions make the OSRA model's calculated probabilities conservative, as the model does not consider the above factors, which could reduce the potential effects and consequences of an accidental event.

4.1.1 Conditional Probability Results

Conditional probability results are used to provide information about the chance a large oil spill might contact a resource from a specific location at some given time intervals, assuming a large spill occurs. BOEM uses the probabilities in these tables, along with additional factors, to evaluate the effects of a large oil spill on physical, biological, and social resources in environmental analyses. Probabilities in the following discussions, unless otherwise noted, are conditional probabilities estimated by the OSRA model (expressed as percent chance) of a large spill contacting ERAs, LSs, GLSs, and BSs within the days and seasons as specified above.

Conditional probabilities of contact from hypothetical LAs or PLs to an environmental resource (ERA, LS, GLS, and BS) depend on a variety of factors: 1) locations of these resources relative to that of a LA or PL; 2) accumulated effects of surface winds, currents, or ice conditions from 18 years of modeled simulation; 3) vulnerability of the resources; 4) travel time from a LA or PL to an environmental resource; 5) timeframe (i.e., annual, summer or winter); and 6) size of these resources. Hypothetical LAs or PLs at offshore locations take longer to contact the coast and nearshore ERAs, if contact occurs at all. For LAs and PLs located nearshore, the probability of contact to nearshore ERAs, LSs, and GLSs are higher, and the contact to these environmental resources takes less time. For example, nearshore ERA106 (Shaviovik River) has a 72% chance of contact from LA3 within 3 days for an annual timeframe, due to its proximity to a hypothetical launch area. The chance of contact increases to 75% within 10 days on an annual timeframe and remains the same from 30 days to 360 days. Summer spill contact is slightly more than annual, while winter spill contact is slightly less than annual.

Other ERAs that have relatively higher percent chance of contact for an annual timeframe include ERA75 (Boulder Patch Area), ERA42 (SUA: Utqiaġvik-East Arch), and ERA85 (Sagavanirktok River Delta). For summer, other ERAs with more frequent contact include ERA42 (SUA: Utqiaġvik-East Arch), ERA43 (SUA: Nuiqsut-Cross Isl.), ERA50 (Boulder Patch Area), ERA77 (Sagavanirktok Delta/Foggy Isl. Bay), ERA78 (Mikkelsen Bay), and ERA119 (AK BFT Outer Shelf & Slope 10). Summer spill contacts are more extensive and frequent than annual contacts. Winter spill contacts to ERAs are less than annual and summer, with ERAs like ERA50 (Boulder Patch Area) and ERA85 (Sagavanirktok River Delta) having relatively higher chance of contact than ERA106 (Shaviovik River).

A large spill from nearshore LAs or PLs is more likely to contact LSs than offshore areas. LS99 (Point Brower, Prudhoe Bay) and LS100 (Foggy Island Bay, Kadleroshilik R.) have the highest chance of contact from LA3 for all three timeframes. For GLSs, GLS183 (U.S. Beaufort Coast) remains the most contacted from almost all of the LAs and PLs, except LA10 and LA11, which are located very far from the coast. This trend is valid for all timeframes (annual, summer, and winter). The highest chance of contact to U.S. Beaufort Coast comes from LA3, which is located closest to the coast. The conditional probabilities of contact to U.S. Beaufort Coast increase with time until they reach peak values at 90 days for all three timeframes, and thereafter the values remain the same. Summer spill contact to U.S. Beaufort Coast is slightly less than winter spill contact. For BSs, LA10 has the most frequent contacts because it is located next to the northern boundary of the OSRA domain.

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Appendix A: OSRA Figures

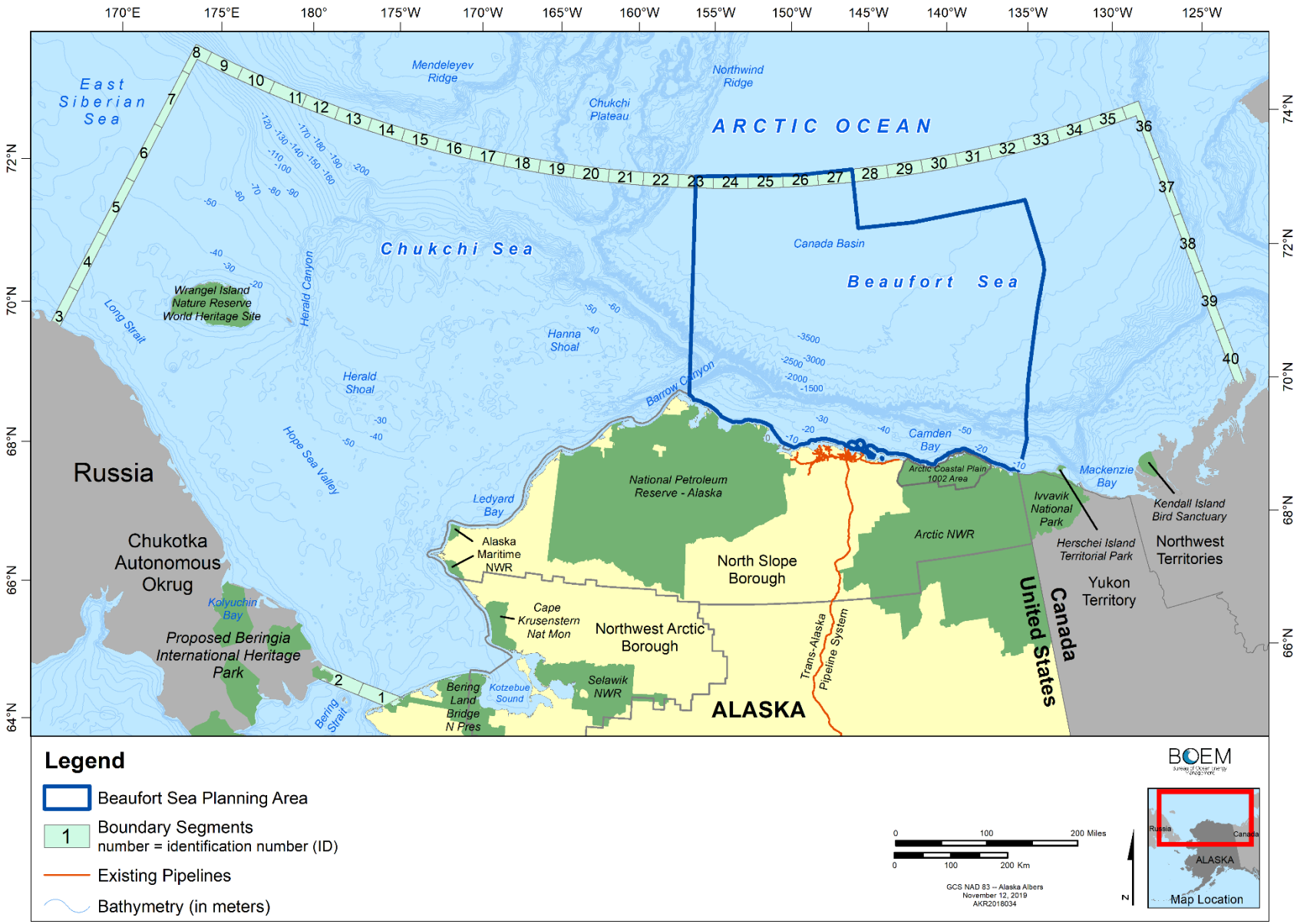

Figure A-1: Study area, OCS planning area, and BSs used in the OSRA model

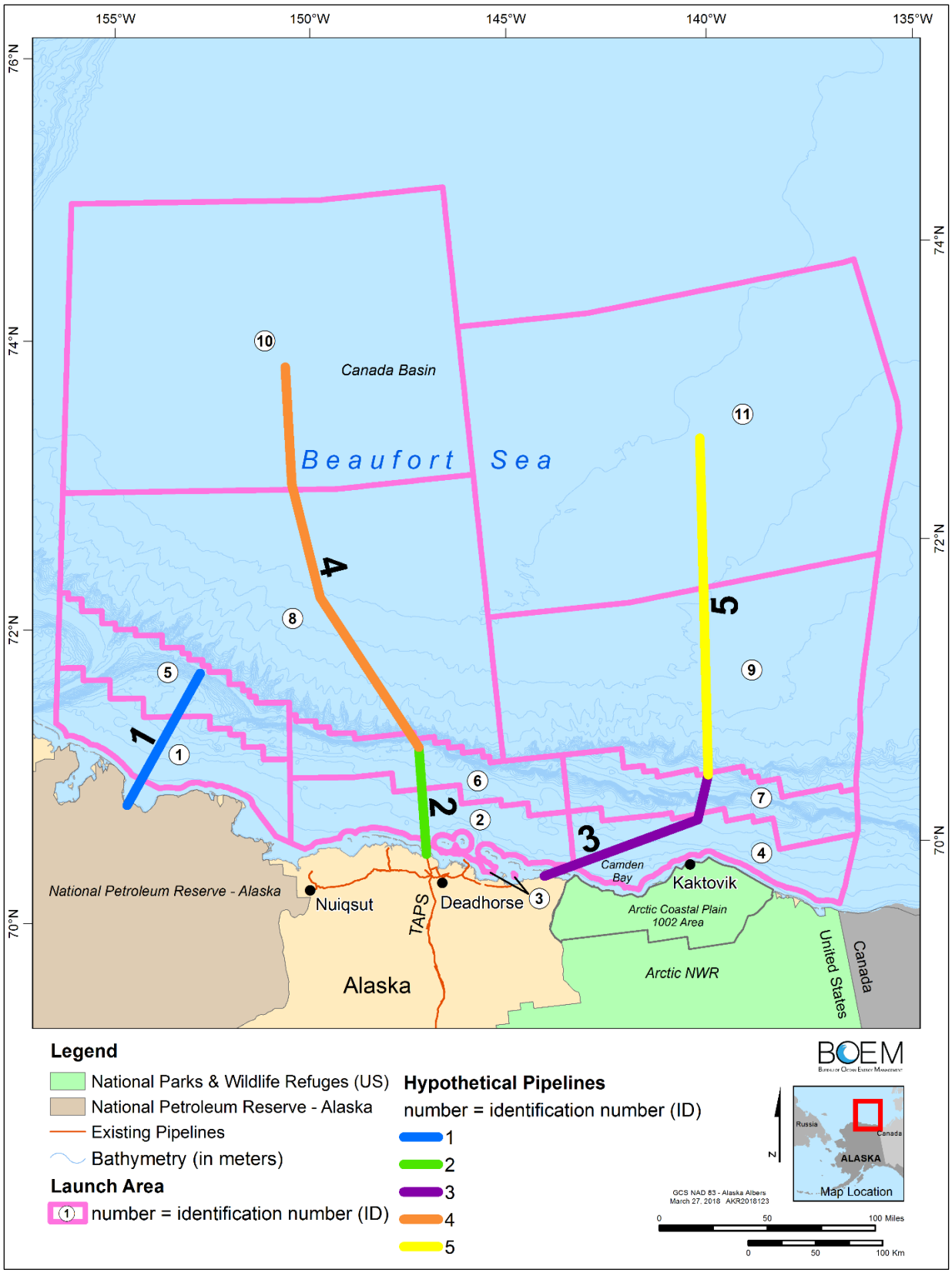

Figure A-2: Hypothetical LAs and PLs used in the OSRA model

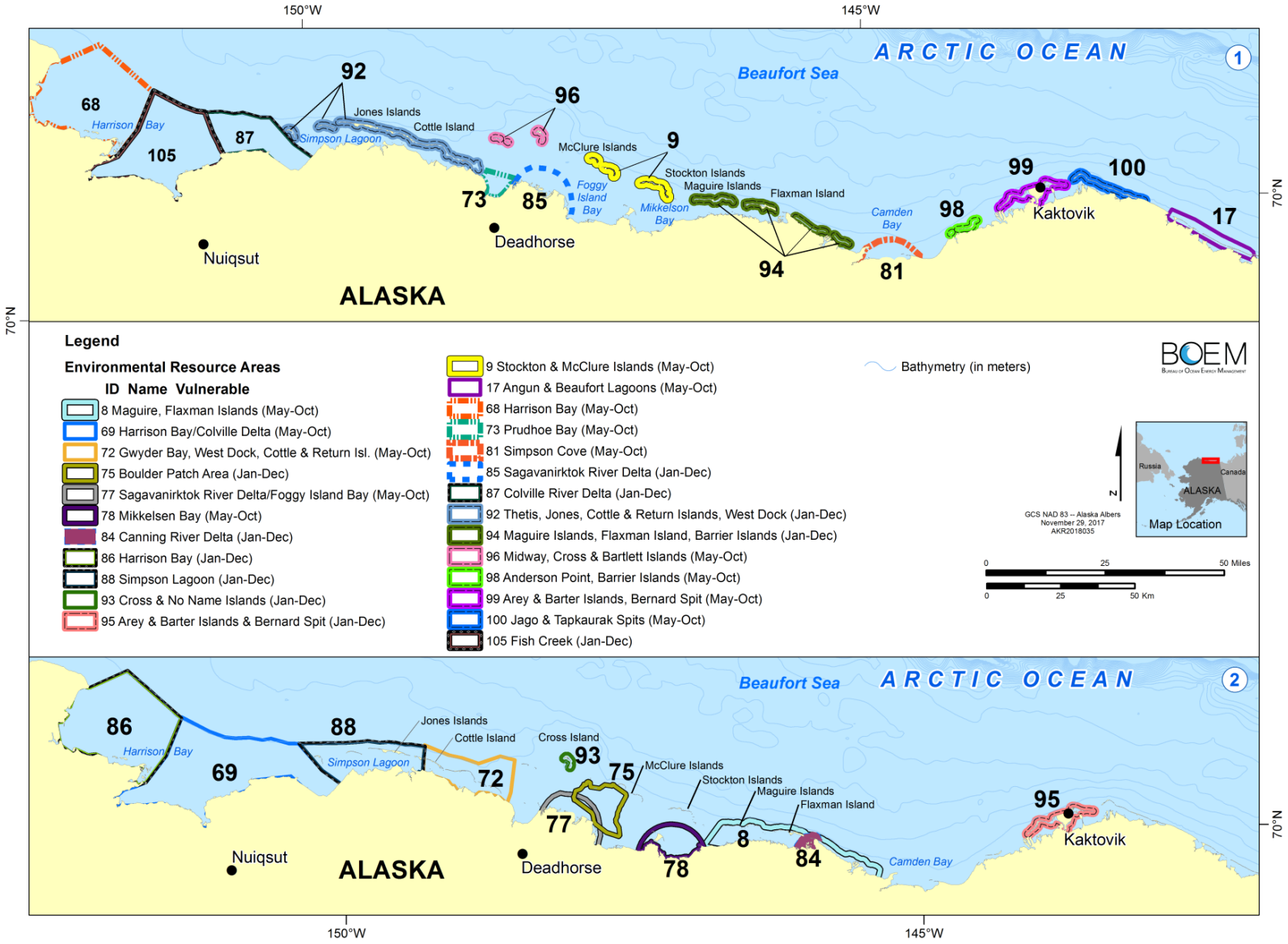

Figure A-3a: ERAs used in the OSRA model (Set 1 of 7)

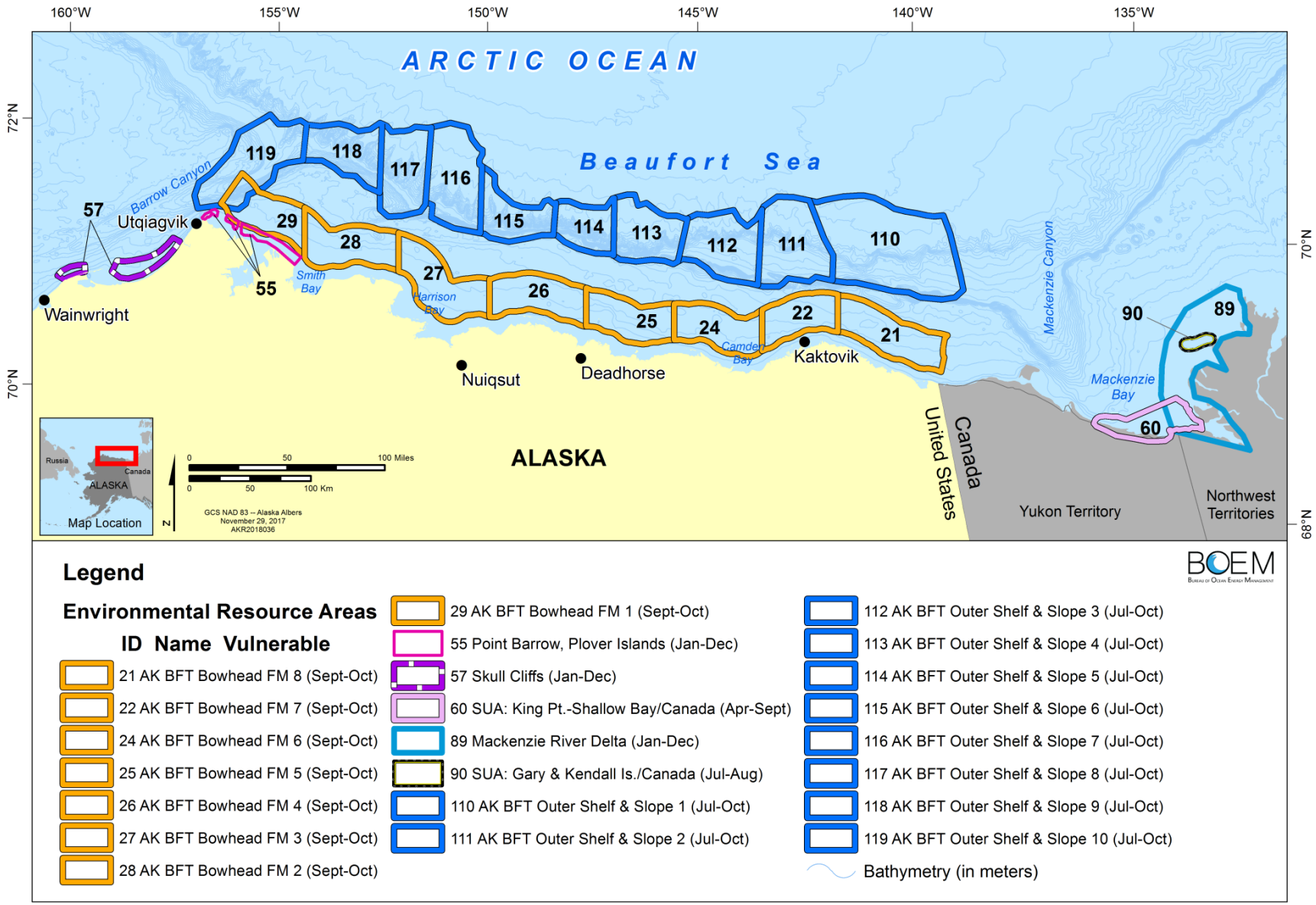

Figure A-3b: ERAs used in the OSRA model (Set 2 of 7)

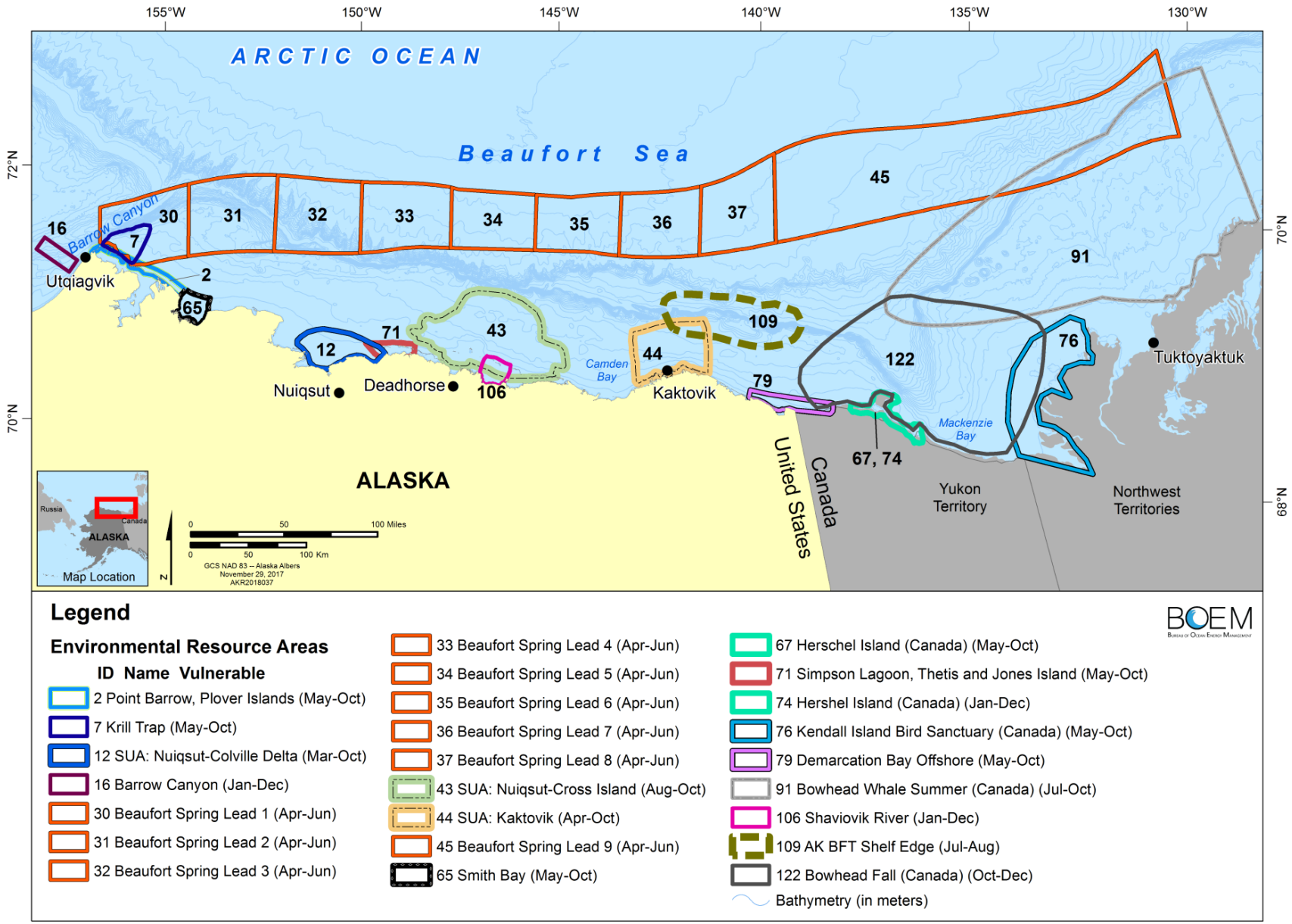

Figure A-3c: ERAs used in the OSRA model (Set 3 of 7)

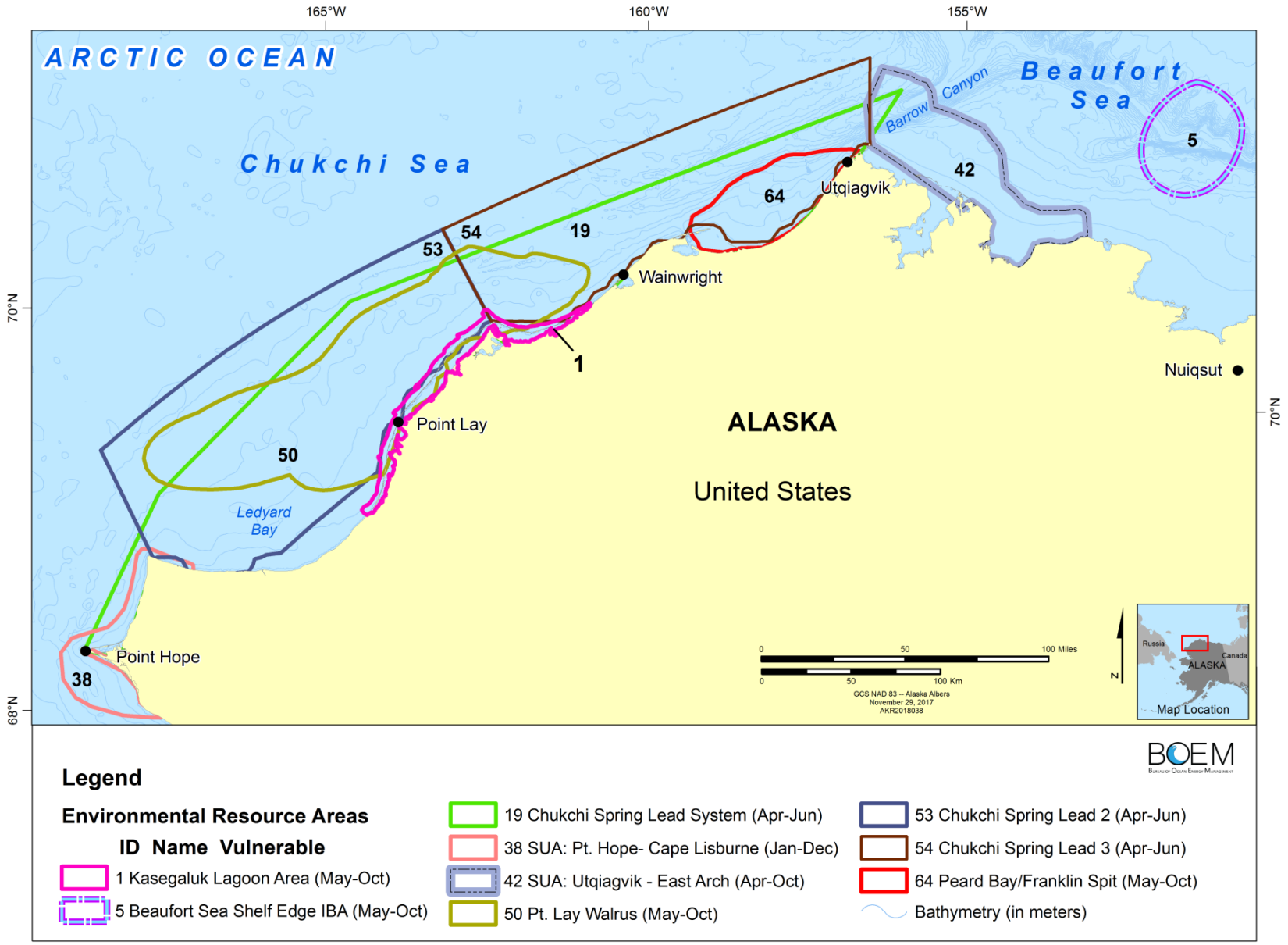

Figure A-3d: ERAs used in the OSRA model (Set 4 of 7)

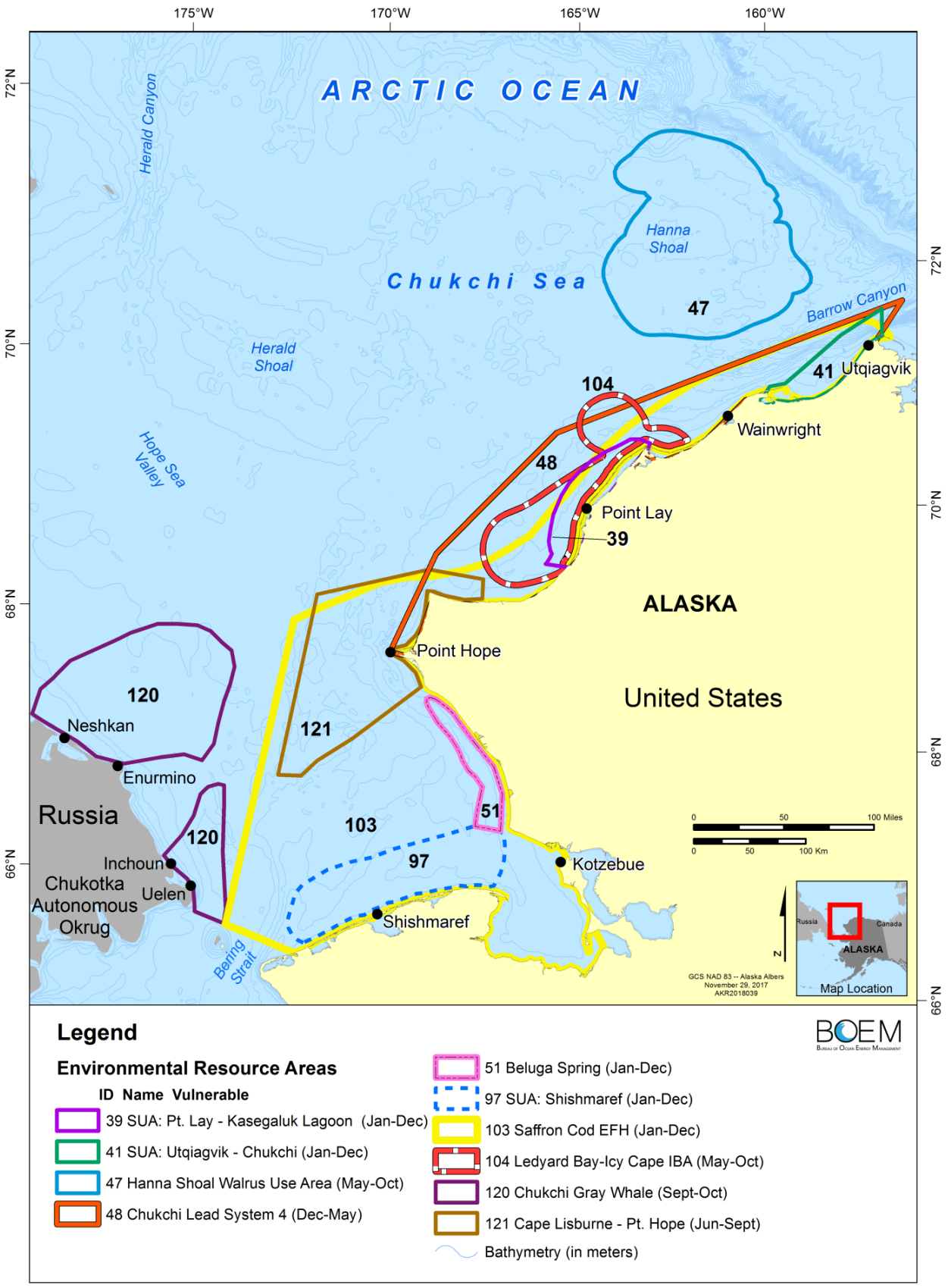

Figure A-3e: ERAs used in the OSRA model (Set 5 of 7)

Figure A-3f: ERAs used in the OSRA model (Set 6 of 7)

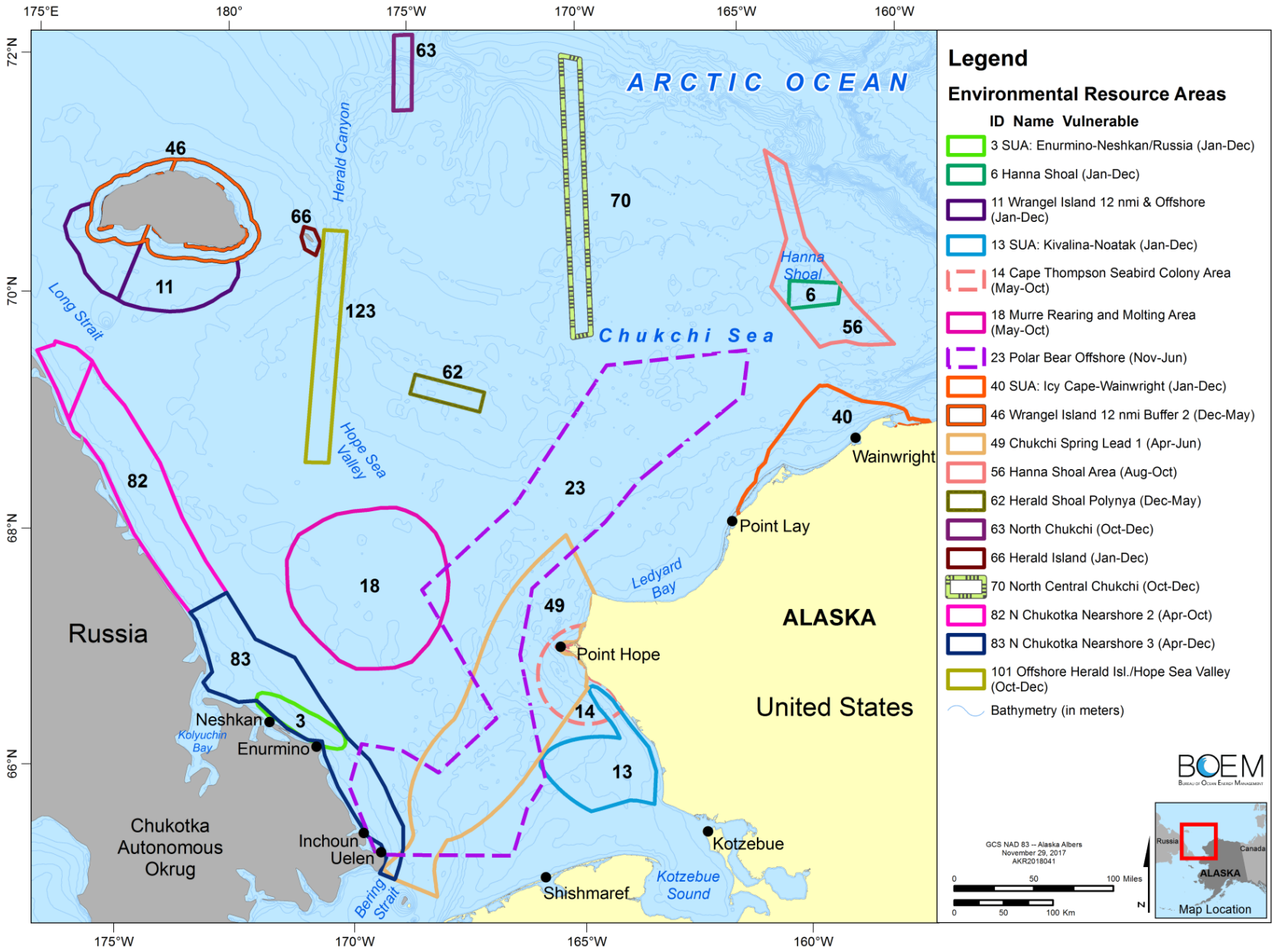

Figure A-3g: ERAs used in the OSRA model (Set 7 of 7)

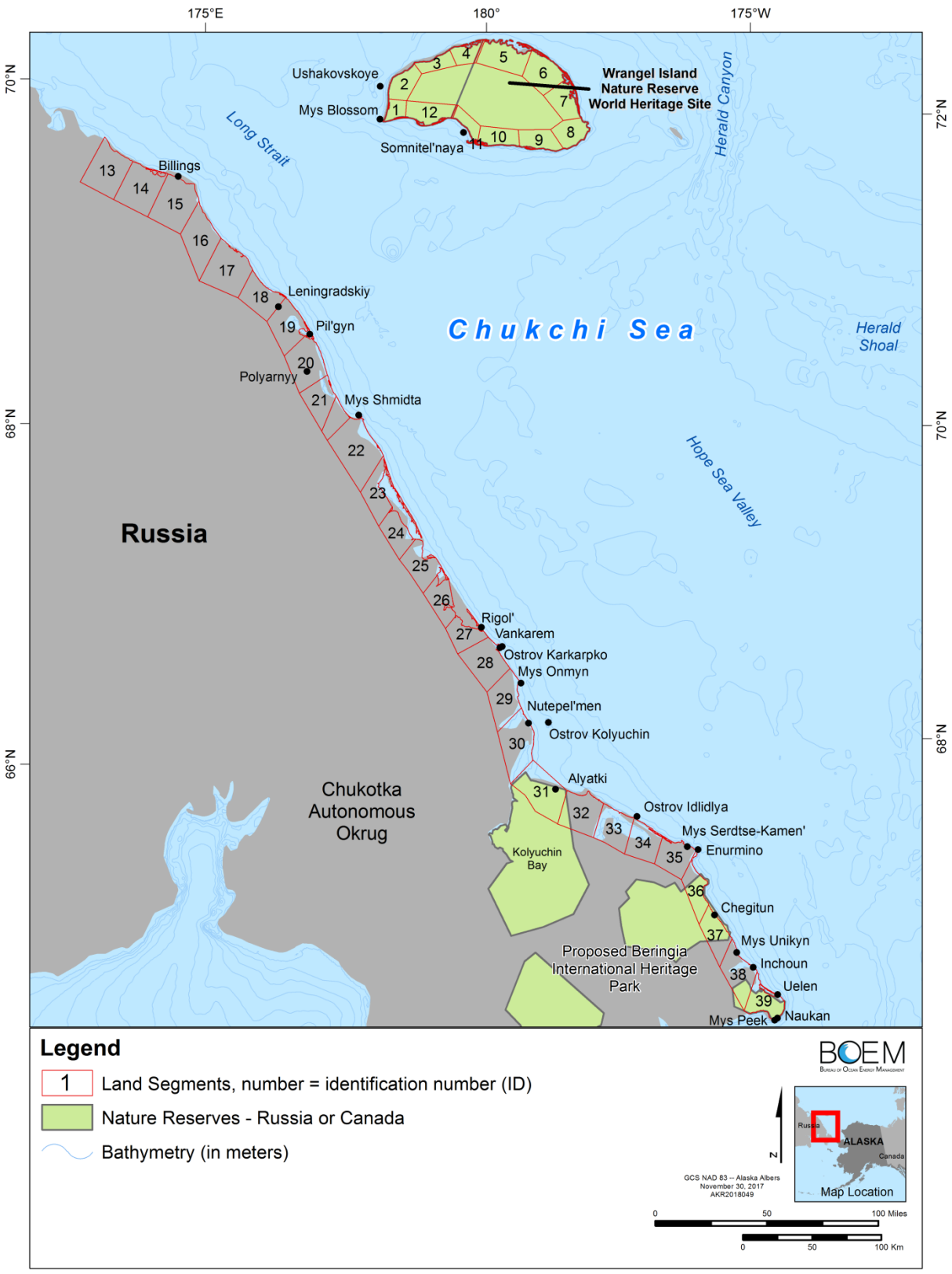

Figure A-4a: LSs used in the OSRA model (Set 1 of 3)

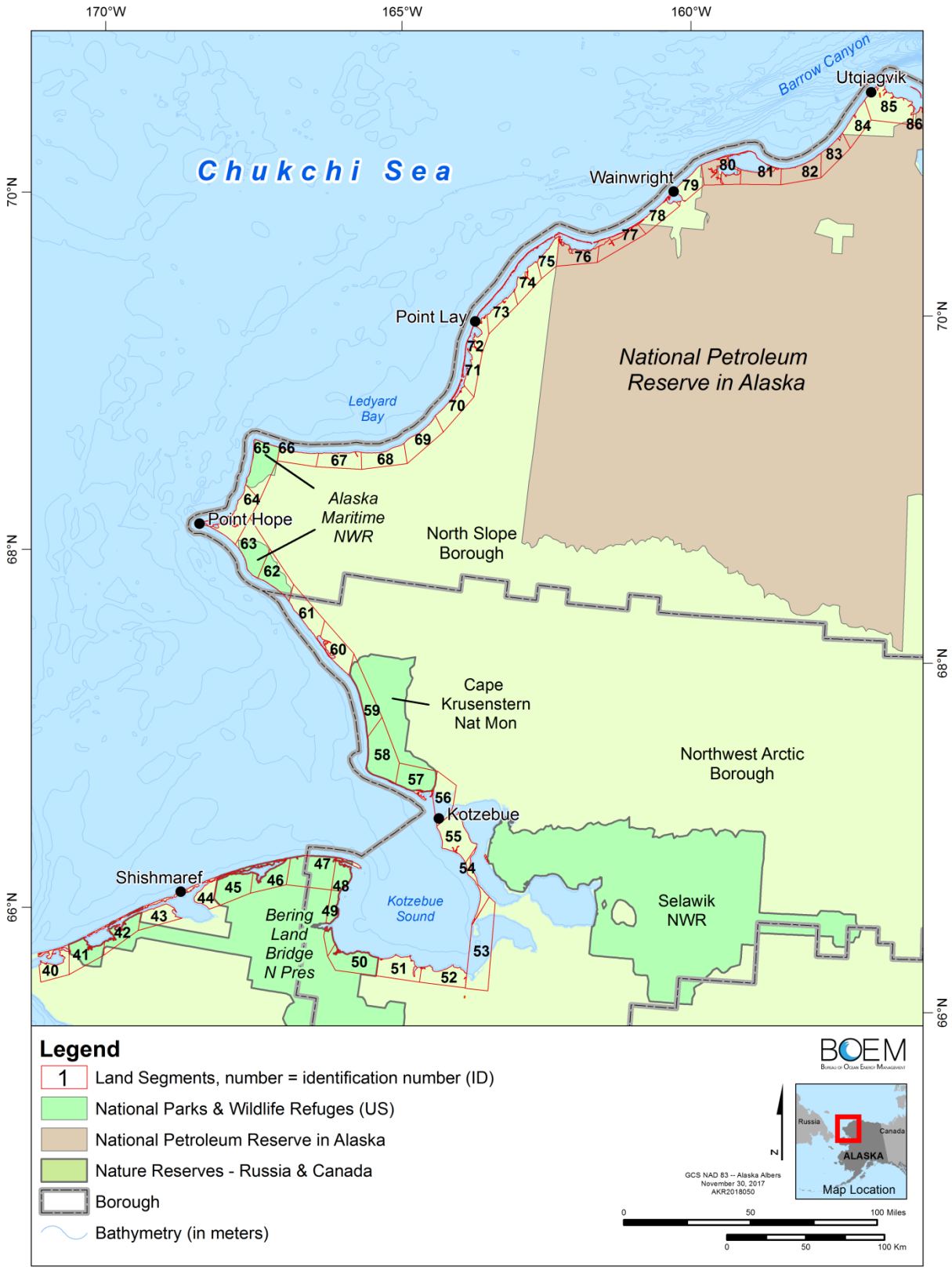

Figure A-4b: LSs used in the OSRA model (Set 2 of 3)

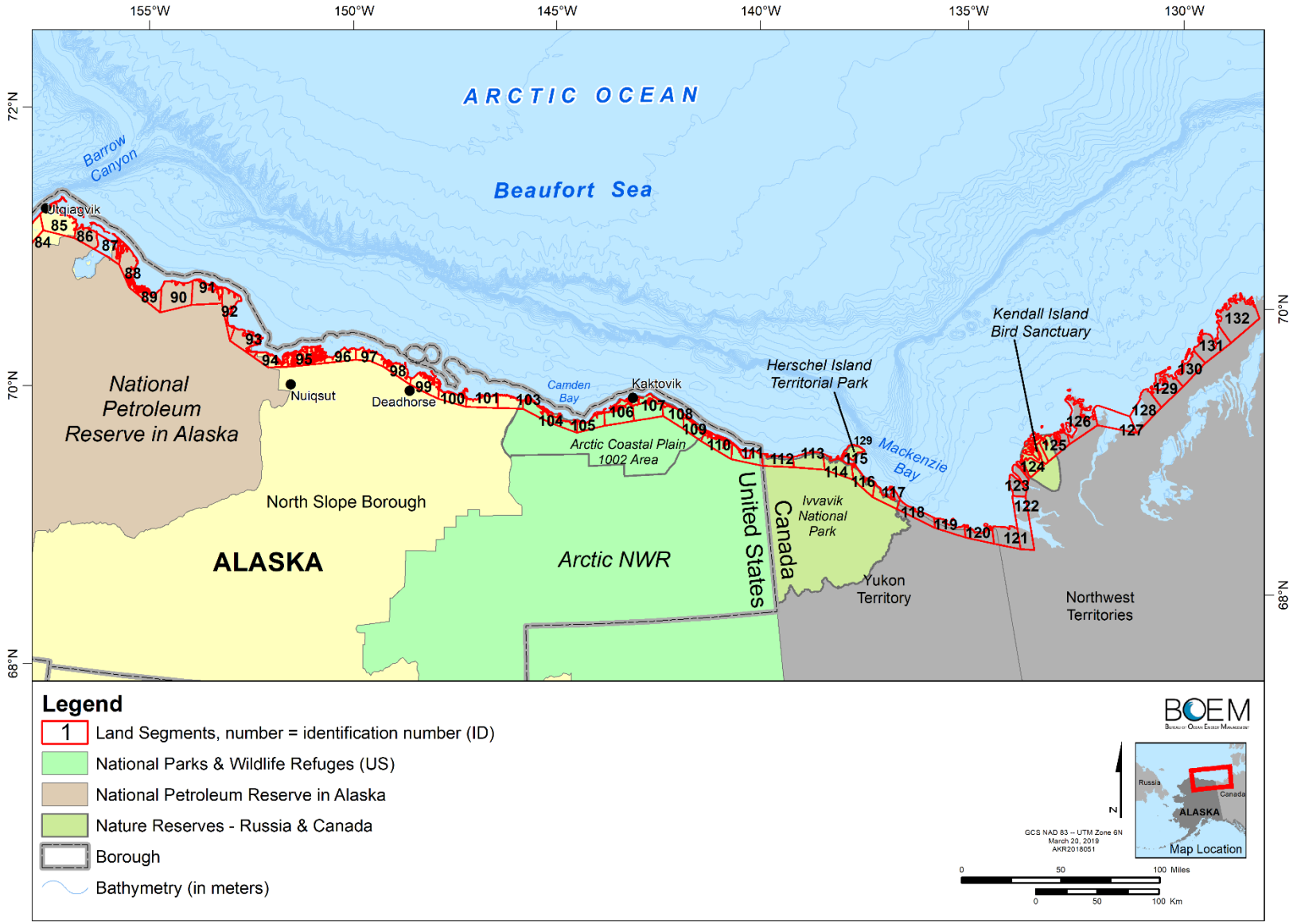

Figure A-4c: LSs used in the OSRA model (Set 3 of 3)

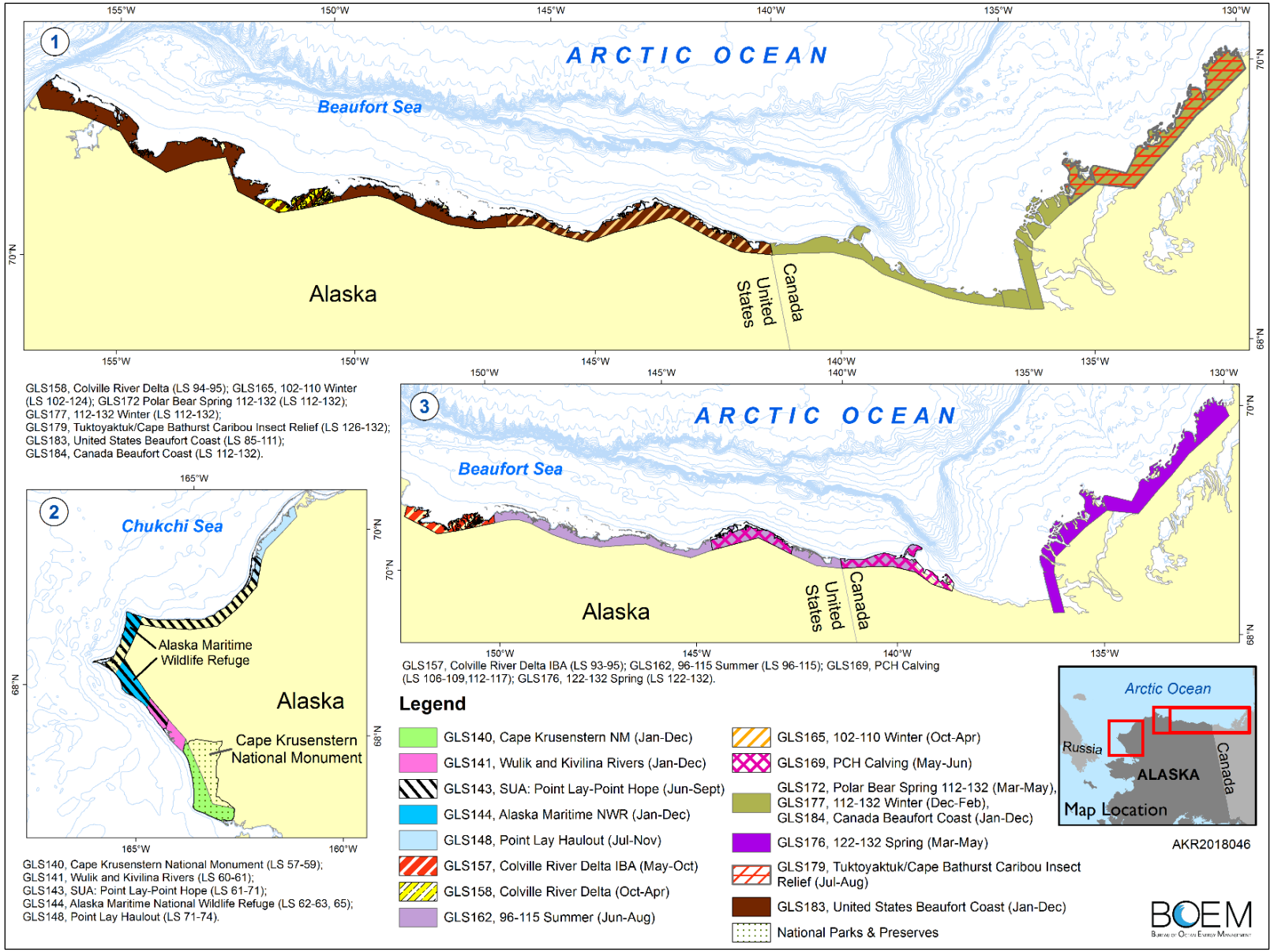

Figure A-5a: GLSs used in the OSRA model (Set 1 of 3)

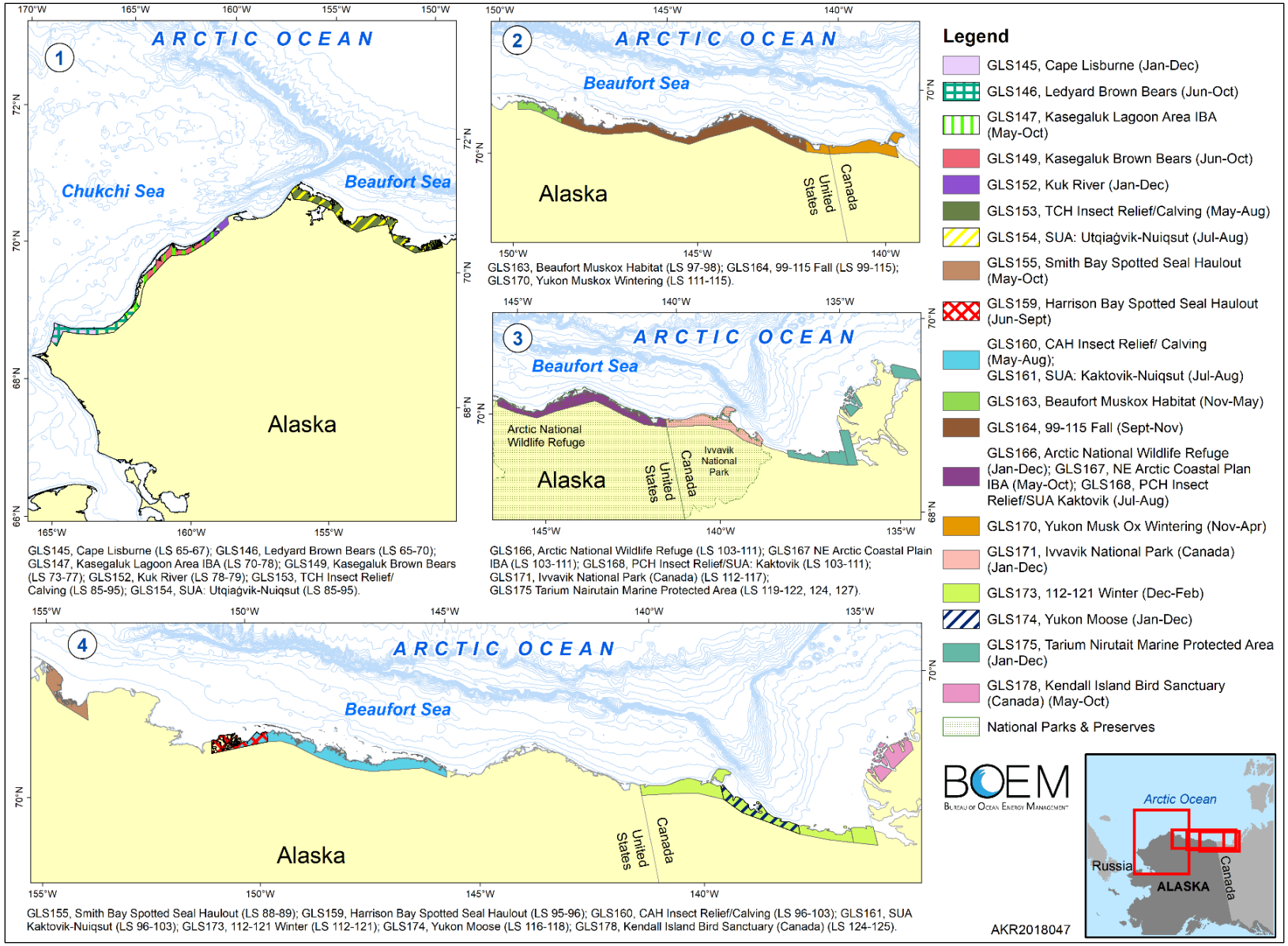

Figure A-5b: GLSs used in the OSRA model (Set 2 of 3)

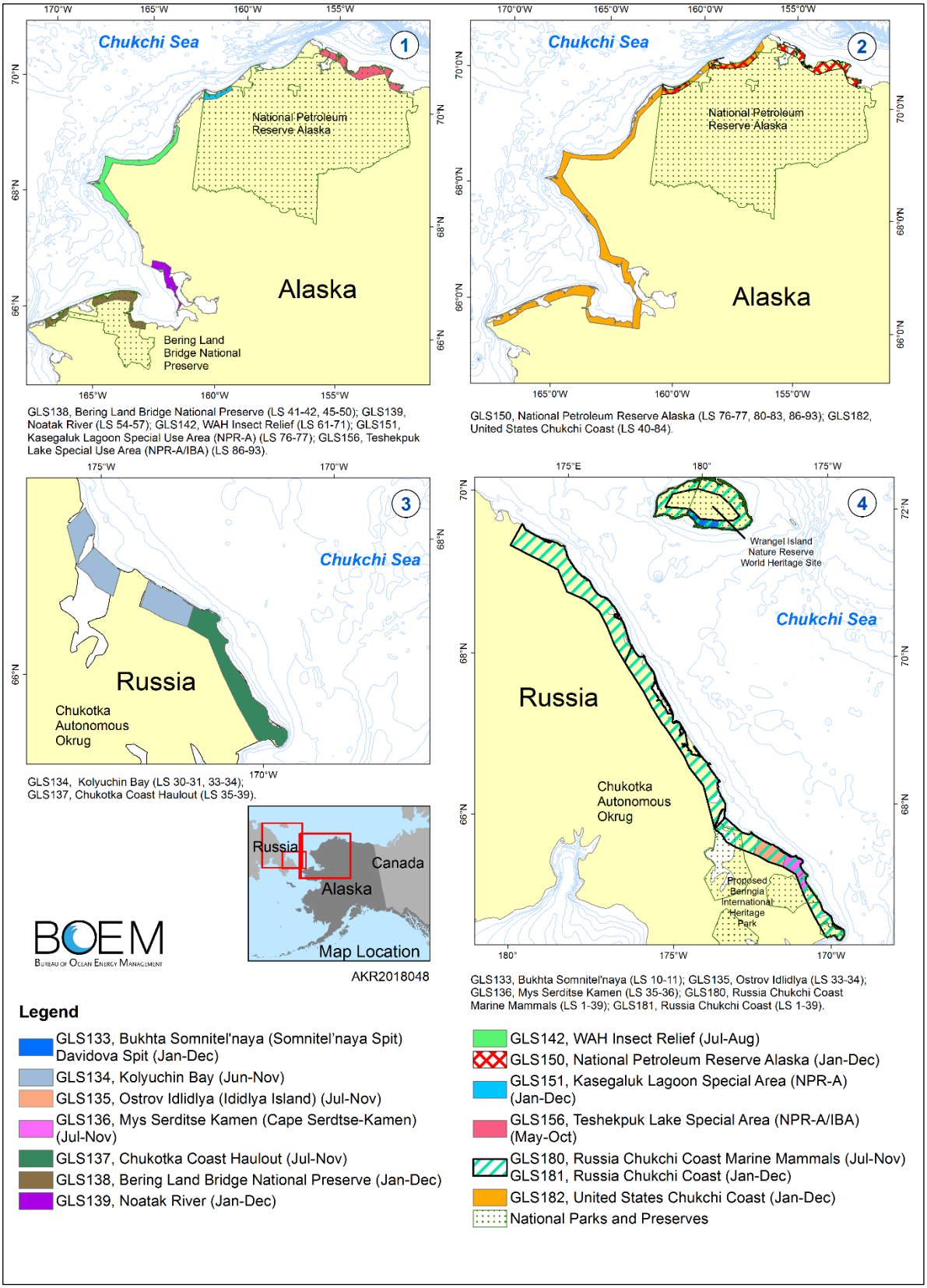

Figure A-5c: GLSs used in the OSRA model (Set 3 of 3)

Appendix B: Oil Spill Risk Analysis Tables

B.1 Environmental Resource Area, Land Segment, and Grouped Land Segment Tables

Table B.1-1. ERAs used in the OSRA model

ID	Name	General Resource	Months	Map
1	Kasegaluk Lagoon Area	Birds, Barrier Island, Seals, Whales	May–October	A-3d
2	Point Barrow, Plover Isls.	Birds, Barrier Island	May–October	A-3c
3	SUA: Enurmino-Neshkan/Russia	Subsistence	January–December	A-3g
4	SUA: Inchoun-Uelen/Russia	Subsistence	January–December	A-3f
5	Beaufort Sea Shelf Edge IBA	Birds	May–October	A-3d
6	Hanna Shoal	Lower Trophic Level Organisms	January–December	A-3g
7	Krill Trap	Lower Trophic Level Organisms	May–October	A-3c
8	Maguire & Flaxman Isls.	Birds, Barrier Island	May–October	A-3a-2
9	Stockton & McClure Isls.	Birds, Barrier Island	May–October	A-3a-1
10	Ledyard Bay SPEI Critical Habitat Unit	Birds	July–November	A-3f
11	Wrangel Isl. 12 nmi & Offshore	Marine Mammals	January–December	A-3g
12	SUA: Nuiqsut-Colville River Delta	Subsistence	March–October	A-3c
13	SUA: Kivalina-Noatak	Subsistence	January–December	A-3g
14	Cape Thompson Seabird Colony Area	Birds	May–October	A-3g
15	Cape Lisburne Seabird Colony Area	Birds, Marine Mammals	May–October	A-3f
16	Barrow Canyon	Lower Trophic Level Organisms	January–December	A-3c
17	Angun & Beaufort Lagoons	Birds, Barrier Island	May–October	A-3a-1
18	Murre Rearing & Molting Area	Birds	May–October	A-3g
19	Chukchi Sea Spring Lead System	Birds	April–June	A-3d
20	East Chukchi Offshore	Whales	September–October	A-3f
21	AK BFT Bowhead FM 8	Whales	September–October	A-3b
22	AK BFT Bowhead FM 7	Whales	September–October	A-3b
23	Polar Bear Offshore	Marine Mammals	November–June	A-3g
24	AK BFT Bowhead FM 6	Whales	September–October	A-3b
25	AK BFT Bowhead FM 5	Whales	September–October	A-3b
26	AK BFT Bowhead FM 4	Whales	September–October	A-3b
27	AK BFT Bowhead FM 3	Whales	September–October	A-3b
28	AK BFT Bowhead FM 2	Whales	September–October	A-3b
29	AK BFT Bowhead FM 1	Whales	September–October	A-3b
30	Beaufort Spring Lead 1	Whales	April–June	A-3c
31	Beaufort Spring Lead 2	Whales	April–June	A-3c
32	Beaufort Spring Lead 3	Whales	April–June	A-3c
33	Beaufort Spring Lead 4	Whales	April–June	A-3c
34	Beaufort Spring Lead 5	Whales	April–June	A-3c
35	Beaufort Spring Lead 6	Whales	April–June	A-3c
36	Beaufort Spring Lead 7	Whales	April–June	A-3c
37	Beaufort Spring Lead 8	Whales	April–June	A-3c
38	SUA: Pt. Hope-Cape Lisburne	Subsistence	January–December	A-3d
39	SUA: Pt. Lay-Kasegaluk Lagoon	Subsistence	January–December	A-3e
40	SUA: Icy Cape-Wainwright	Subsistence	January–December	A-3g
41	SUA: Utqiaġvik-Chukchi	Subsistence	January–December	A-3e
42	SUA: Utqiaġvik-East Arch	Subsistence	April–October	A-3d
43	SUA: Nuiqsut-Cross Isl.	Subsistence	August–October	A-3c
44	SUA: Kaktovik	Subsistence	April–October	A-3c

ID	Name	General Resource	Months	Map
45	Beaufort Spring Lead 9	Whales	April–June	A-3c
46	Wrangel Isl. 12 nmi Buffer 2	Marine Mammals	December–May	A-3g
47	Hanna Shoal Walrus Use Area	Marine Mammals	May–October	A-3e
48	Chukchi Lead System 4	Marine Mammals	December–May	A-3e
49	Chukchi Spring Lead 1	Whales	April–June	A-3g
50	Pt. Lay Walrus	Marine Mammals	May–October	A-3d
51	Beluga Spring	Whales	January–December	A-3e
52	Russian Coast Walrus Offshore	Marine Mammals	May–November	A-3f
53	Chukchi Spring Lead 2	Whales	April–June	A-3d
54	Chukchi Spring Lead 3	Whales	April–June	A-3d
55	Point Barrow, Plover Isls.	Marine Mammals	January–December	A-3b
56	Hanna Shoal Area	Whales	August–October	A-3g
57	Skull Cliffs	Lower Trophic Level Organisms	January–December	A-3b
58	Russian Coast Walrus Nearshore	Marine Mammals	May–November	A-3f
59	Ostrov Kolyuchin	Marine Mammals	July –November	A-3f
60	SUA: King Pt.-Shallow Bay (Canada)	Subsistence, Whales	April–September	A-3b
61	Pont Lay–Utqiaġvik BH GW SFF	Whales	July–October	A-3f
62	Herald Shoal Polynya 2	Marine Mammals	December–May	A-3g
63	North Chukchi	Whales	October–December	A-3g
64	Peard Bay/Franklin Spit Area	Birds, Marine Mammals	May–October	A-3d
65	Smith Bay	Whales, Birds, Marine Mammals	May–October	A-3c
66	Herald Island	Marine Mammals	January–December	A-3g
67	Herschel Island (Canada)	Birds	May–October	A-3c
68	Harrison Bay	Birds, Marine Mammals	May–October	A-3a-1
69	Harrison Bay/Colville Delta	Birds, Marine Mammals	May–October	A-3a-2
70	North Central Chukchi	Whales	October–December	A-3g
71	Simpson Lagoon, Thetis & Jones Isls.	Birds	May–October	A-3c
72	Gwyder Bay, W. Dock, Cottle & Return Isls.	Birds	May–October	A-3a-2
73	Prudhoe Bay	Birds	May–October	A-3a-1
74	Hershel Isl.	Marine Mammals	January–December	A-3c
75	Boulder Patch Area	Lower Trophic Level Organisms	January–December	A-3a-2
76	Kendall Isl. Bird Sanctuary (Canada)	Birds	May–October	A-3c
77	Sagavanirktok River Delta/Foggy Isl. Bay	Birds	May–October	A-3a-2
78	Mikkelsen Bay	Birds	May–October	A-3a-2
79	Demarcation Bay Offshore	Birds	May–October	A-3c
80	Chukchi Sea Nearshore IBA	Birds	May–October	A-3f
81	Simpson Cove	Birds	May–October	A-3a-1
82	North Chukotka Nearshore 2	Whales	April–October	A-3g
83	North Chukotka Nearshore 3	Whales	April–December	A-3g
84	Canning River Delta	Anadromous & Marine Nearshore Fish	January–December	A-3a-2
85	Sagavanirktok River Delta	Anadromous & Marine Nearshore Fish	January–December	A-3a-1
86	Harrison Bay	Marine Nearshore Fish	January–December	A-3a-2
87	Colville River Delta	Anadromous & Marine Nearshore Fish	January–December	A-3a-1
88	Simpson Lagoon	Marine Nearshore Fish	January–December	A-3a-2
89	Mackenzie River Delta	Anadromous & Marine Nearshore Fish	January–December	A-3b
90	SUA: Garry & Kendall Isls./ Canada	Subsistence	July–August	A-3b
91	Bowhead Whale Summer (Canada)	Whales	July–October	A-3c
92	Thetis, Jones, Cottle & Return Isl.	Marine Mammals	January–December	A-3a-1
93	Cross & No Name Isls.	Marine Mammals	January–December	A-3a-2

ID	Name	General Resource	Months	Map
94	Maguire, Flaxman & Barrier Isl.	Marine Mammals	January–December	A-3a-1
95	Arey & Barter Isls., Bernard Spit	Marine Mammals	January–December	A-3a-2
96	Midway, Cross & Bartlett Isls.	Birds, Barrier Islands	May–October	A-3a-1
97	SUA: Shishmaref	Subsistence	January–December	A-3e
98	Anderson Point Barrier Isls.	Birds, Barrier Islands	May–October	A-3a-1
99	Arey & Barter Isls., Bernard Spit	Birds, Barrier Islands	May–October	A-3a-1
100	Jago & Tapkaurak Spits	Birds, Barrier Islands	May–October	A-3a-1
101	Offshore Herald Isl./Hope Sea Valley	Whales	October – December	A-3g
102	Opilio Crab EFH	Opilio Crab Habitat (EFH)	January–December	A-3f
103	Saffron Cod EFH	Saffron Cod Habitat (EFH)	January–December	A-3e
104	Ledyard Bay-Icy Cape IBA	Birds	May–October	A-3e
105	Fish Creek	Anadromous Fish	January–December	A-3a-1
106	Shaviovik River	Anadromous & Marine Nearshore Fish	January–December	A-3c
107	Point Hope Offshore	Whales	June–September	A-3f
108	Utqiaġvik Feeding Aggregation	Whales	September–October	A-3f
109	AK BFT Shelf Edge	Whales	July–August	A-3c
110	AK BFT Outer Shelf & Slope 1	Whales	July–October	A-3b
111	AK BFT Outer Shelf & Slope 2	Whales	July–October	A-3b
112	AK BFT Outer Shelf & Slope 3	Whales	July–October	A-3b
113	AK BFT Outer Shelf & Slope 4	Whales	July–October	A-3b
114	AK BFT Outer Shelf & Slope 5	Whales	July–October	A-3b
115	AK BFT Outer Shelf & Slope 6	Whales	July–October	A-3b
116	AK BFT Outer Shelf & Slope 7	Whales	July–October	A-3b
117	AK BFT Outer Shelf & Slope 8	Whales	July–October	A-3b
118	AK BFT Outer Shelf & Slope 9	Whales	July–October	A-3b
119	AK BFT Outer Shelf & Slope 10	Whales	July–October	A-3b
120	Chukchi Gray Whale Fall (Russia)	Whales	September–October	A-3e
121	Cape Lisburne–Pt. Hope	Whales	June–September	A-3e
122	Bowhead Fall (Canada)	Whales	October–December	A-3c

Key: &: and; AK: Alaska; BFT: Beaufort; BH: Bowhead; EFH: Essential Fish Habitat; FM: Fall migration; GW: Gray Whale; IBA: Important Bird Area; ID = identification (number); Isl.: Island; Pt.: Point; SFF: Summer-Fall Feeding; SPEI; Spectacled Eider; SUA: Subsistence Use Area. Compiled by BOEM (2019).

Table B.1-2. ERAs used in the analysis of lower trophic level organisms

ERA ID	Name	Map	Months	Specific Resource	Reference
6	Hanna Shoal	A-3g	Jan–Dec	Invertebrates	Dunton et al. 2014; Grebmeier 2012; Moore and Grebmeier 2013
7	Krill Trap	A-3c	May–Oct	Invertebrates	Ashjian et al. 2010 (Figures 8 and 14, p.187–189); Okkonen et al. 2011
16	Barrow Canyon	A-3c	Jan–Dec	Invertebrates	Moore and Grebmeier 2013
57	Skull Cliffs	A-3b	Jan–Dec	Kelp/Invertebrates	Phillips et al. 1984. (p. 13–14 and 16–19)
75	Boulder Patch Area	A-3A-2	Jan–Dec	Kelp/Invertebrates	Dunton and Schonberg 2000 (p. 383, Fig 4. p.388–392, Table 5. p. 393, Figure 6); Dunton et. al. 2009 (p. 17, Figure 1.3; p. 27, Table 2.1)

Compiled by BOEM (2019).

Table B.1-3. ERAs, LSs, and GLSs used in the analysis of fish

ID	Name	Map	Months	General Resource	Specific Resource	Reference
ERAs Marine Waters						
84	Canning River Delta	A-3a-2	Jan–Dec	Anadromous & Marine Nearshore Fish	Pp, DVpr, CHp, Wp, Arctic cod, capelin, Arctic cisco, stickleback, sculpin spp.	Jarvela and Thorsteinson 1998; Johnson and Blossom 2017
85	Sagavanirktok River Delta	A-3a-1	Jan–Dec	Anadromous & Marine Nearshore Fish	CHp, Pp, DVpr, Wp Arctic char, Arctic cod, capelin, Arctic cisco, stickleback, sculpin spp.	Craig 1984; Jarvela and Thorsteinson 1998; Johnson and Blossom 2017
86	Harrison Bay	A-3a-2	Jan–Dec	Marine Fish – nearshore	Arctic cod, capelin, OM, saffron cod, Fourhorn sculpin, Wp	Craig 1984; Jarvela and Thorsteinson 1998; Johnson and Blossom 2017
87	Colville River Delta	A-3a-1	Jan–Dec	Anadromous & Marine Nearshore Fish	CHp, Pp, DVp, Wp, Arctic cod, capelin, OM, saffron cod, fourhorn sculpin, Arctic cisco, Arctic char	Craig 1984; Jarvela and Thorsteinson 1998; Johnson and Blossom 2017; MBC Applied Environmental Sciences 2004
88	Simpson Lagoon	A-3a-2	Jan–Dec	Marine Fish – nearshore	Arctic cod, capelin, OM, saffron cod, fourhorn sculpin, Wp, Arctic char	Craig 1984; Jarvela and Thorsteinson 1998; Johnson and Blossom 2017
89	Mackenzie River Delta	A-3b	Jan–Dec	Anadromous & Marine Nearshore Fish	CHp, OMp, Wp, Sheefish, saffron cod, Arctic cod, Arctic char, Arctic cisco, Pacific herring, prickleback spp., sculpin spp.	Craig 1984; MBC Applied Environmental Sciences 2004; Sawatzky et al. 2007; Wong et al. 2013
102	Opilio Crab EFH	A-3f	Jan–Dec	Opilio Crab Habitat (EFH)	opilio crab	NMFS 2009
103	Saffron Cod EFH	A-3e	Jan–Dec	Saffron Cod Habitat (EFH)	saffron cod	NMFS 2009
105	Fish Creek	A-3a-1	Jan–Dec	Anadromous Fish	CHp, Kp, Pp,DVp, HWp, Wp	Johnson and Blossom 2017
106	Shaviovik River	A-3c	Jan–Dec	Anadromous & Marine Nearshore Fish	Ps, DVp, Arctic char, Arctic cod, capelin, Arctic cisco, stickleback, sculpin spp.	Craig and Poulin 1975; Jarvela and Thorsteinson 1998; Johnson and Blossom 2017
GLSs Marine Waters						
139	Noatak River	A-5c	Jan–Dec	Anadromous & Marine Nearshore Fish	CHs,Kp,Pp,COp,Sp,DVp, Wp, SF	Johnson and Blossom 2017
140	Cape Krusenstern	A-5a	Jan–Dec	Anadromous & Marine Nearshore Fish	CHp.Sp,Pp,COp,Sp,DVp,Wp	Johnson and Blossom 2017
141	Wulik and Kivalina Rivers	A-5a	Jan–Dec	Anadromous & Marine Nearshore Fish	CHs,COp,Ks,Pp,Ss,DVs,Wp	Johnson and Blossom 2017
152	Kuk River	A-5b	Jan–Dec	Anadromous & Marine Nearshore Fish	CHp,Pp,BWp,LCp, OMp	Johnson and Blossom 2017

ID	Name	Map	Months	General Resource	Specific Resource	Reference
166	Arctic National Wildlife Refuge	A-5c	Jan–Dec	Anadromous & Marine Nearshore Fish	CHp,Pp,DVr,Wp,Kp,COp,OMp, Arctic char, least cisco, herring, capelin, Arctic cod, saffron cod, sculpin species, eelpout species, Arctic flounder, starry flounder, sand lance	Johnson and Blossom, 2017; U.S. Fish and Wildlife Service 2013
LSs Russia						
25	Amguema R.	A-4a	May–Oct	Anadromous Fish	CHs, Ps, ALp, DVs, ACs, Kp, Sp, COp, Ws, OMp	Andreev 2001
31	Kolyuchinskaya Bay	A-4a	May–Oct	Anadromous Fish	Ps, Ks, DVs, ACs, Wp, OMp	Andreev 2001
37	Chegitun R.	A-4a	May–Oct	Anadromous Fish	Bering Cisco, ACs, DVs, Ps, Ks, CHs, Ss, OMp	Andreev 2001
38	Inchoun Lagoon	A-4a	May–Oct	Anadromous Fish	CHp, Pp, Kp, COp, Sp, Bering cisco, least cisco	Andreev 2001
39	Uelen Lagoon	A-4a	May–Oct	Anadromous Fish	CHp, Pp, Kp, COp, Sp, Bering cisco, least cisco	Andreev 2001
LSs United States						
40	Mint R.	A-4b	May–Oct	Anadromous Fish	CHs, Ps, Sp, DVpr	Johnson and Blossom 2017
41	Pinguk R.	A-4b	May–Oct	Anadromous Fish	CHs, Pp, DVp, Wp	Johnson and Blossom 2017
42	Upkuarok C., Nuluk R., Kugrupaga R., Trout C.	A-4b	May–Oct	Anadromous Fish	DVpr, CHs, Ps, DVp, Wp, DVp, DVpr, Wp	Johnson and Blossom 2017
43	Shishmaref Airport	A-4b	May–Oct	Anadromous Fish	DVp	Johnson and Blossom 2017
44	Shishmaref Inlet, Arctic R., Sanaguich R., Serpentine R.	A-4b	May–Oct	Anadromous Fish	DVp, SFp, Wp, CHp	Johnson and Blossom 2017
47	Kitluk R.	A-4b	May–Oct	Anadromous Fish	Pp	Johnson and Blossom 2017
49	Kougachuk C.	A-4b	May–Oct	Anadromous Fish	Pp	Johnson and Blossom 2017
51	Inmachuk R., Kugruk R.	A-4b	May–Oct	Anadromous Fish	CHs, Ps, DVp, CHp, Pp, DVp	Johnson and Blossom 2017
53	Kiwalik R., Buckland R.	A-4b	May–Oct	Anadromous Fish	CHp, Pp, DVp, CHp, COp, Kp, Pp, DVp, Wp	Johnson and Blossom 2017
54	Baldwin Penn Kobuk R., & Channels	A-4b	May–Oct	Anadromous Fish	DVp, DVs, CHp, Kp, Pp, DVs, SFp, Wp	Johnson and Blossom 2017
55	Hotham Inlet Ogriveg R.	A-4b	May–Oct	Anadromous Fish	CHp, Pp, DVs, Wp CHp, Pp, DVp	Johnson and Blossom 2017
56	Noatak R.	A-4b	May–Oct	Anadromous Fish	CHp, COp, Kp, Pp, Sp, DVp, SFp, Wpr	Johnson and Blossom 2017
57	Aukulak Lagoon	A-4b	May–Oct	Anadromous Fish	Wp	Johnson and Blossom 2017
58	Tasaychek Lagoon	A-4b	May–Oct	Anadromous Fish	Pp	Johnson and Blossom 2017
59	Kiligmak Inlet Jade C., Rabbit C., Imik Lagoon New Heart C., Omikviorok R.	A-4b	May–Oct	Anadromous Fish	DVp, Wp DVp CHp, Sp, DVp Wp DVr DVp, Wp	Johnson and Blossom 2017
60	Imikruk Lagoon Wulik R., Kivalina R.	A-4b	May–Oct	Anadromous Fish	Wp, CHp, COp, Kp, Pp, Sp, DVs, Wp CHp, CHs, Pp, DVp	Johnson and Blossom 2017
64	Sulupoaktak Chnl	A-4b	May–Oct	Anadromous Fish	Pp, DVp	Johnson and Blossom 2017
67	Pitmegea R.	A-4b	May–Oct	Anadromous Fish	CHp, Pp, DVp	Johnson and Blossom 2017
70	Kuchiak C.	A-4b	May–Oct	Anadromous Fish	CHs, COs	Johnson and Blossom 2017
71	Kukpowruk R.	A-4b	May–Oct	Anadromous Fish	CHp, Pp, DVp	Johnson and Blossom 2017
72	Pt Lay, Kokolik R.	A-4b	Jun–Oct	Anadromous Fish	CHp, Pp, DVp	Johnson and Blossom 2017
74	Utukok R.	A-4b	Jun–Oct	Anadromous Fish	CHp, Pp, DVp	Johnson and Blossom 2017
80	Kugrua R.	A-4b	Jun–Oct	Anadromous Fish	CHs,Ps	Johnson and Blossom 2017

ID	Name	Map	Months	General Resource	Specific Resource	Reference
87	Inaru R., Meade R., Topagoruk R., Chipp R.	A-4c	Jun–Oct	Anadromous Fish	Wsr CHs,Wp Wsr Ps,Wsr	Johnson and Blossom 2017
89	Ikpikpuk R.	A-4c	Jun–Oct	Anadromous Fish	Psr,Wsr	Johnson and Blossom 2017
91	Smith R.	A-4c	Jun–Oct	Anadromous Fish	DVp,Wp	Johnson and Blossom 2017
93	Kalikpik R.	A-4c	Jun–Oct	Anadromous Fish	Wp	Johnson and Blossom 2017
94	Fish C., Nechelik Channel	A-4c	Jun–Oct	Anadromous Fish	CHp,Kp,Pp,DVp,Wp Wp	Johnson and Blossom 2017
95	Colville R. & Delta	A-4c	Jun–Oct	Anadromous Fish	CHp,Pp,DVp,Wp	Johnson and Blossom 2017
96	Kalubik R., Ugnuravik R.	A-4c	Jun–Oct	Anadromous Fish	DVp,Wp Wr	Johnson and Blossom 2017
97	Oogrukpuk R., Sakonowyak R.	A-4c	Jun–Oct	Anadromous Fish	Wpr Wr	Johnson and Blossom 2017
98	Kuparuk R., Fawn C., Unnamed 10435,	A-4c	Jun–Oct	Anadromous Fish	DVr,DVp,Wp,OMp,Wr	Johnson and Blossom 2017
99	W. Channel Sagavanirktok R., Sagavanirktok R., E. Sagavanirktok C.	A-4c	Jun–Oct	Anadromous Fish	ACp,Chp,Pp,DVr,Wp DVr	Johnson and Blossom 2017
100	E. Sagavanirktok C., Kadleroshilik R., Kavik R., Shaviovik R., 10300 (AWC#)	A-4c	Jun–Oct	Anadromous Fish	DVr, DVp, Ps	Johnson and Blossom 2017
101	E Badami C., 10300 (AWC#), 10280 (AWC#)	A-4c	Jun–Oct	Anadromous Fish	DVr	Johnson and Blossom 2017
102	10246 (AWC#), 10238 (AWC#) 10234 (AWC#) Staines R.	A-4c	Jun–Oct	Anadromous Fish	DVr Pp,DVp,Wp	Johnson and Blossom 2017
103	W. Canning R., Canning R., Canning R., Tamayariak R.	A-4c	Jun–Oct	Anadromous Fish	DVs , Pp,DVp,Wp CHp,Pp,DVp,Wp DVr	Johnson and Blossom 2017
104	Katakturik R., 10193 (AWC#)	A-4c	Jun–Oct	Anadromous Fish	DVp DVr	Johnson and Blossom 2017
105	Marsh C., Carter C.	A-4c	Jun–Oct	Anadromous Fish	DVr DVr	Johnson and Blossom 2017
106	Nataroarok C., Hulahula R., Okpilak R., 10173 (AWC#)	A-4c	Jun–Oct	Anadromous Fish	DVr DVp DVp DVr	Johnson and Blossom 2017
107	Jago R., Kimikpaurauk R.	A-4c	Jun–Oct	Anadromous Fish	DVp DVr	Johnson and Blossom 2017
109	Siksik R., Sikrelurak R., Angun R., 10150-2004 (AWC#) Kogotpak 10140-2006 (AWC#)	A-4c	Jun–Oct	Anadromous Fish	DVr DVr DVr DVr DVp DVr	Johnson and Blossom 2017
110	Aichilik R., Egaksrak R., Kongakut R.	A-4c	Jun–Oct	Anadromous Fish	DVp DVp DVp	Johnson and Blossom 2017
LSs Canada						
112	Fish R.	A-4c	Jun–Oct	Anadromous Fish	ACp, Wp	Craig 1984; Kendel et al. 1974
113	Malcolm R.	A-4c	Jun–Oct	Anadromous Fish	ACp, OMp	Craig 1984

ID	Name	Map	Months	General Resource	Specific Resource	Reference
114	Firth R.	A-4c	Jun–Oct	Anadromous Fish	ACp,OMp	Craig 1984
116	Spring R.	A-4c	Jun–Oct	Anadromous Fish	ACp, Wp, SFp, OMp, sculpin spp.	Craig 1984; Majewski et al. 2013
117	Babbage R.	A-4c	Jun–Oct	Anadromous Fish	ACp, Wp	Craig 1984
119	Blow R.	A-4c	Jun–Oct	Anadromous Fish	ACp, Wp, SFp	Craig 1984
122–126	Mackenzie R.	A-4c	Jun–Oct	Anadromous Fish	ACp, Wp, CHp, OMp, SFp	Craig 1984
127–132	Kugmallit Bay Tuktoyaktuk Peninsula	A-4c	Jun–Oct	Anadromous & Marine Nearshore Fish	AC, DV, OM, Arctic cisco, least cisco, whitefish spp., Arctic cod, saffron cod, Pacific herring, Arctic flounder, starry flounder, sculpin spp.	Niemi et al. 2012

Key: LS Name = Waters important for spawning, rearing, or migration of anadromous fishes; AC=Arctic char; AL=Arctic lamprey; CH=chum salmon; CO=coho salmon; DV=Dolly Varden; K=chinook salmon; OM=rainbow smelt; P=pink salmon; p=present; r=rearing; s=spawning; SF=sheefish; S=sockeye salmon; W=whitefish (undifferentiated).
Compiled by BOEM (2019).

Table B.1-4. ERAs and BSs used in the analysis of marine mammals (whales)

ID	Name	Map	Months	Specific Resource	Reference[1]
ERAs					
1	Kasegaluk Lagoon Area	A-3d	May–Oct	Beluga Whales	Frost and Lowry 1990; Frost et al. 1993; Suydam et al. 2001; Suydam et al. 2005; Citta et al. 2013
20	East Chukchi Offshore	A-3f	Sep–Oct	Bowhead Whales, Beluga Whales-fall migration, feeding	Clarke et al. 2013, 2014; Fraker et al. 1978; Harwood and Smith 2002; Hauser et al. 2014; Ljungblad et al. 1988; Martell et al. 1984; Melnikov and Bobkov 1993; Monnett and Treacy 2005; Quakenbush and Citta 2013; Quakenbush et al. 2013
21	AK BFT Bowhead FM 8	A-3b	Sep–Oct	Bowhead Whales, Beluga Whales-fall migration	Clarke et al. 2013, 2014; Hauser et al. 2014; Ljungblad et al. 1988; Quakenbush and Citta 2013; Quakenbush et al. 2013; Shelden and Mocklin 2013
22	AK BFT Bowhead FM 7	A-3b	Sep–Oct	Bowhead Whales-fall migration	Clarke et al. 2011a, b, c, d, 2012, 2013, 2014, 2015a, 2017a, b; Ljungblad et al. 1988; Quakenbush and Citta 2013; Quakenbush et al. 2013; Shelden and Mocklin 2013
24	AK BFT Bowhead FM 6	A-3b	Sep–Oct	Same as ERA22	Same as ERA22
25	AK BFT Bowhead FM 5	A-3b	Sep–Oct	Same as ERA22	Same as ERA22
26	AK BFT Bowhead FM 4	A-3b	Sep–Oct	Same as ERA22	Same as ERA22
27	AK BFT Bowhead FM 3	A-3b	Sep–Oct	Same as ERA22	Same as ERA22
28	AK BFT Bowhead FM 2	A-3b	Sep–Oct	Same as ERA22	Same as ERA22
29	AK BFT Bowhead FM 1	A-3b	Sep–Oct	Same as ERA22	Same as ERA22
30	Beaufort Spring Lead 1	A-3c	Apr–Jun	Bowhead Whales, Beluga Whales-spring migration	Clarke et al. 2013; Ljungblad et al. 1988; Quakenbush and Citta 2013; Quakenbush et al. 2013; Shelden and Mocklin 2013
31	Beaufort Spring Lead 2	A-3c	Apr–Jun	Same as ERA30	Same as ERA30
32	Beaufort Spring Lead 3	A-3c	Apr–Jun	Same as ERA30	Same as ERA30
33	Beaufort Spring Lead 4	A-3c	Apr–Jun	Same as ERA30	Same as ERA30
34	Beaufort Spring Lead 5	A-3c	Apr–Jun	Same as ERA30	Same as ERA30
35	Beaufort Spring Lead 6	A-3c	Apr–Jun	Same as ERA30	Same as ERA30
36	Beaufort Spring Lead 7	A-3c	Apr–Jun	Same as ERA30	Same as ERA30
37	Beaufort Spring Lead 8	A-3c	Apr–Jun	Same as ERA30	Same as ERA30
45	Beaufort Spring Lead 9	A-3c	Apr–Jun	Same as ERA30	Same as ERA30
49	Chukchi Spring Lead 1	A-3g	Apr–Jun	Bowhead Whales, Gray Whales, Beluga Whales—spring migration-spring leads-Chukchi	Bogoslovskaya et al. 1982; Clarke et al. 2013; Doroshenko and Kolesnikov 1983; George et al. 2012; Ljungblad et al. 1986, 1988; Miller et al. 1986; Melnikov et al. 1997; Melnikov et al. 2004; Melnikov and Zeh 2007; Quakenbush and Citta 2013; Quakenbush et al. 2013; Stringer and Groves 1991
51	Kotzebue Sound	A-3e	Jan–Dec	Beluga Whales	Suydam et al. 2001; Suydam et al. 2005
53	Chukchi Spring Lead 2	A-3d	Apr–Jun	Same as ERA49	Same as ERA49
54	Chukchi Spring Lead 3	A-3d	Apr–Jun	Same as ERA49	Same as ERA49
56	Hanna Shoal Area	A-3g	Aug–Oct	Bowhead Whales, historically Gray Whales (Hanna Shoal)	Clarke et al. 2013; Ljungblad et al. 1986; Moore et al. 2000; Quakenbush and Citta 2013; Quakenbush et al. 2013
60	King Point-Shallow Bay (Canada)	A-3b	Apr–Sep	Beluga Whales	Fraker et al. 1978; Harwood and Smith 2002; Harwood et al. 1996, 2010; Martell et al. 1984
61	Pont Lay–Utqiaġvik BH GW SFF	A-3f	Jul–Oct	Bowhead Whales, Gray Whales; summer-fall feeding, Gray and Bowhead Whale cow/calf aggregations and bowhead fall migration	Bogoslovskaya et al. 1982; Clarke et al. 2011a, b, c, d, 2012, 2013, 2014, 2015a, 2017a, b; George et al. 2012; Ljungblad et al. 1988; Melnikov and Bobkov 1993; Melnikov et al. 1997; Miller et al. 1986; Moore and DeMaster 1997; Moore et al. 1995; Quakenbush and Citta 2013; Quakenbush et al. 2013; Shelden and Mocklin 2013

ID	Name	Map	Months	Specific Resource	Reference[1]
63	North Chukchi	A-3g	Oct–Dec	Bowhead Whales	Martell et al. 1984; Quakenbush and Citta 2013; Quakenbush et al. 2013
65	Smith Bay	A-3c	May–Oct	Bowhead Whales	Clarke et al. 2015a, b
70	North Central Chukchi	A-3g	Oct–Dec	Bowhead Whales	Ainana et al. 2001; Bogoslovskaya et al. 1982; Melnikov and Bobkov 1993; Melnikov et al. 1997; Miller et al. 1986; Quakenbush and Citta 2013; Quakenbush et al. 2013
82	North Chukotka Nearshore 2	A-3g	Jul–Oct	Bowhead Whales: Chukotka coast Spring migration; Bowhead Whales, Gray Whales; summer-fall feeding and bowhead fall migration	Bogoslovskaya et al. 2016; Bogoslovskaya et al. 1982; George et al. 2012; Heide-Jorgensen et al. 2012; Ljungblad et al. 1988; Melnikov and Bobkov 1993; Melnikov et al. 1997; Miller et al. 1986; Moore and DeMaster 1997; Moore et al. 1995; Quakenbush and Citta 2013; Quakenbush et al. 2013
83	North Chukotka Nearshore 3	A-3g	Jul–Dec	Same as ERA82	Same as ERA82
91	Bowhead Whale Summer (Canada)	A-3c	Jul–Oct	Bowhead Whale—summer concentration	Braham et al. 1980; Fraker et al. 1978; Harwood and Smith 2002; Harwood et al. 2010; Martell et al. 1984; Quakenbush and Citta 2013; Quakenbush et al. 2013
101	Offshore Herald Island/Hope Sea Valley	A-3g	Oct–Dec	Bowhead Whales	Bogoslovskaya et al. 1982; Quakenbush and Citta 2013; Quakenbush et al. 2013
107	Point Hope Offshore	A-3f	Jun–Sep	Gray Whales, Fin Whales, Humpback Whales summer-fall aggregation	Clarke et al. 2013 (Maps 6 13); Friday et al. 2014; George et al. 2012; Miller et al. 1985
108	Utqiaġvik Feeding Aggregation	A-3f	Sep–Oct	Bowhead Whales, Gray Whales—feeding aggregation, fall	Clarke et al. 2012, 2013; Ljungblad et al. 1988; Monnett and Treacy 2005; Quakenbush and Citta 2013; Quakenbush et al. 2013; Shelden and Mocklin 2013
109	AK BFT Shelf Edge	A-3c	Jul–Aug	Bowhead Whales—cow/calf and feeding aggregation	Christman et al. 2013; Clarke et al. 2012, 2013
110	AK BFT Outer Shelf & Slope 1	A-3b	Jul–Oct	Beluga Whales—summer-fall feeding concentration and movement corridor	Clarke et al. 2011a, b, c, d, 2012, 2013, 2014, 2015a, 2017a, b; Richard et al. 1998, 2001
111	AK BFT Outer Shelf & Slope 2	A-3b	Jul–Oct	Same as ERA110	Same as ERA110
112	AK BFT Outer Shelf & Slope 3	A-3b	Jul–Oct	Same as ERA110	Same as ERA110
113	AK BFT Outer Shelf & Slope 4	A-3b	Jul–Oct	Same as ERA110	Same as ERA110
114	AK BFT Outer Shelf & Slope 5	A-3b	Jul–Oct	Same as ERA110	Same as ERA110
115	AK BFT Outer Shelf & Slope 6	A-3b	Jul–Oct	Same as ERA110	Same as ERA110
116	AK BFT Outer Shelf & Slope 7	A-3b	Jul–Oct	Same as ERA110	Same as ERA110
117	AK BFT Outer Shelf & Slope 8	A-3b	Jul–Oct	Same as ERA110	Same as ERA110
118	AK BFT Outer Shelf & Slope 9	A-3b	Jul–Oct	Same as ERA110	Same as ERA110
119	AK BFT Outer Shelf & Slope 10	A-3b	Jul–Oct	Same as ERA110	Same as ERA110
120	Chukchi Gray Whale Fall (Russia)	A-3e	Sep–Oct	Gray Whales—fall feeding aggregation	Bogoslovskaya et al. 1982; Doroshenko and Kolesnikov 1983; George et al. 2012; Miller et al. 1985
121	Cape Lisburne–Pt Hope	A-3e	Jun–Sep	Gray Whale—cow/calf aggregation	Ljungblad et al. 1988
122	Bowhead Fall (Canada)	A-3c	Oct–Dec	Bowhead Whale—fall migration & feeding	Fraker et al. 1978; Harwood and Smith 2002; Martell et al. 1984; Quakenbush and Citta 2013; Quakenbush et al. 2013
BSs					
2	RusCh C Dezhnev	A-1	May–Oct	Gray Whales, Beluga Whales, Humpback Whales, Bowhead Whales	Clarke et al. 2013 (Maps 6 13); George et al. 2012; Miller et al. 1985
39–40	Amundsen Gulf BH Spring	A-1	May–Jul	Bowhead Whale-spring aggregation	Braham et al. 1980; Fraker et al. 1978; Harwood and Smith 2002; Martell et al. 1984; Quakenbush and Citta 2013; Quakenbush et al. 2013

Key: AK: Alaska; BFT: Beaufort; BH: Bowhead; ERA: environmental resource area; FM: Fall Migration; GW: Gray Whale; ID = identification (number); Isl.: Island; Pt.: Point; SFF: Summer-Fall Feeding. Compiled by BOEM (2019).

Table B.1-5. ERAs, LSs, and GLSs used in the analysis of marine mammals (polar bears)

ID	Name	Map	Months	Specific Resource	Reference
ERAs					
11	Wrangel Island 12 nmi & Offshore	A-3g	Jan–Dec	Polar Bears, Polar Bear denning (Oct–Apr),	Belikov 1993; Belikov et al. 1996; Boltunov et al. 2012; Durner et al. 2006; FSBI 2014; Kochnev 2006; Ovsyanikov 2012; Solovyev et al. 2012; Stishov 1991; Upenski and Kistchinski 1972; Wilson et al. 2014
23	Polar Bear Offshore	A-3g	Nov–Jun	Polar Bears	Wilson et al. 2014, 2016
55	Point Barrow, Plover Islands	A-3b	Jan–Dec	Polar Bears	Kalxdorff et al. 2002
59	Ostrov Kolyuchin	A-3f	Jul–Nov	Polar Bears	Belikov et al. 1996; Boltunov et al. 2012; Kochnev 2006
66	Herald Island	A-3g	Jan–Dec	Polar Bears, Polar Bear denning (Oct–Apr)	Amstrup and Gardner 1994; Belikov 1993; Belikov et al. 1996; Durner et al. 2006; FSBI 2014; Ovsyanikov 1998; Ovsyanikov and Menyushina 2012; Rode et al. 2015; Stishov 1991
74	Hershel Island	A-3c	Jan–Dec	Polar Bears, Polar Bear denning (Oct–Apr)	Durner et al. 2004; Stirling and Andriashek 1992
92	Thetis, Jones, Cottle & Return Isl.	A-3a-1	Jan–Dec	Polar Bears, Polar Bear denning (Oct–Apr)	ACS 2017 Durner et al. 2003; Durner et al. 2004; Kalxdorff et al. 2002
93	Cross and No Name Islands	A-3a-2	Jan–Dec	Polar Bears, Polar Bear denning (Oct–Apr)	ACS 2017; Durner et al. 2004; Kalxdorff et al. 2002; Miller et al. 2006
94	Maguire, Flaxman & Barrier Isl.	A-3a-1	Jan–Dec	Polar Bears, Polar Bear denning (Oct–Apr)	ACS 2017; Amstrup and Gardner 1994; Durner 2005; Durner et al. 2003; Durner et al. 2004; Kalxdorff et al. 2002
95	Arey & Barter Isls. & Bernard Spit	A-3a-2	Jan–Dec	Polar Bears, Polar Bear denning (Oct–Apr)	ACS 2017; Amstrup and Gardner 1994; Durner et al. 2004; Kalxdorff et al. 2002; Miller et al. 2006
LSs					
65	Buckland, Cape Dyer, Cape Lewis, Cape Lisburne	A-4b	Jan–Dec	Polar Bear denning (Oct–Apr)	ACS 2017; Voorhees and Sparks 2012
85	Utqiaġvik, Browerville, Elson Lag.	A-4b	Jan–Dec	Polar Bears (Aug–Nov)	ACS 2017; Durner et al. 2006; Kalxdorff et al. 2002
100	Foggy Island Bay	A-4c	Jan–Dec	Polar Bears, Polar Bear denning (Oct–Apr)	Durner 2005; Hilcorp Alaska LLC 2015 Figure 3.12.1-1; Schliebe et al. 2008; Streever and Bishop 2014
GLSs					
133	Bukhta Somnitel'naya (Somnitel'naya Spit), Davidova Spit	A-5c	Jan–Dec	Polar Bears, Polar Bear denning (Oct–Apr)	Belikov 1993; Belikov et al. 1996; Boltunov et al. 2012; Durner et al. 2006; Kochnev 2006; Ovsyanikov 2003, 2012; Rode et al. 2015; Solovyev et al. 2012
145	Cape Lisburne	A-5b	Jan–Dec	Polar Bear denning (Oct–Apr)	ACS 2017
158	Colville River Delta	A-5a	Oct–Apr	Polar Bear denning	ACS 2017; Blank 2013
162	96-115 Summer	A-5a	Jun–Aug	Polar Bears	Amstrup and Gardner 1994; Derocher et al 2013 (Figure 13 p. 59); Durner et al. 2004
164	99-115 Fall	A-5b	Sep–Nov	Polar Bears	Amstrup and Gardner 1994; Derocher et al 2013 (Figure 13 p. 59); Durner et al. 2004
165	102-110 Winter	A-5a	Oct–Apr	Polar Bear denning	Amstrup and Gardner 1994; Derocher et al 2013 (Figure 13 p. 59); Durner 2005; Durner et al. 2005; Durner et al. 2003
172	112-132 Spring	A-5a	Mar–May	Polar Bears	Amstrup and Gardner 1994; Derocher et al 2013 (Figure 13 p. 59); Durner et al. 2004; Pilford 2014
173	112-121 Winter	A-5a	Dec–Feb	Polar Bears	Amstrup and Gardner 1994; Derocher et al 2013 (Figure 13 p. 59); Durner et al. 2004
176	122-132 Spring	A-5a	Mar–May	Polar Bears	Amstrup and Gardner 1994; Derocher et al 2013 (Figure 13 p. 59); Durner et al. 2004; Pilford 2014
177	122-132 Winter	A-5a	Dec–Feb	Polar Bears	Amstrup and Gardner 1994; Derocher et al 2013 (Figure 13 p. 59); Durner et al. 2004
180	Russia Chukchi Coast Marine Mammals	A-5c	Jul–Nov	Polar Bears	Belikov et al. 1996; Boltunov et al. 2012; Durner et al. 2006; Kochnev 2006; Ovsyanikov 2012; Stishov 1991

Compiled by BOEM (2019).

Table B.1-6. ERAs, LSs, and GLSs used in the analysis of marine mammals (walrus)

ID	Name	Map	Months	Specific Resource	Reference
ERAs					
11	Wrangel Island 12 nmi & Offshore	A-3g	Jan–Dec	Walrus (Jul–Nov)	Belikov et al. 1996; Boltunov et al. 2012; Fay 1982; Fay et al. 1984; FSBI 2014; Fedoseev 1981; Gilbert et al. 1992; Kochnev 2004a, 2004b; Ovsyanikov 2013
15	Cape Lisburne Seabird Colony Area	A-3f	May–Oct	Walrus	ACS 2017; Christman 2013; Fay 1982; Huntington and Quakenbush 2013; Robards 2013
47	Hanna Shoal Walrus Use Area	A-3e	May–Oct	Walrus	Jay et al. 2012 Figures 4 & 5 pp. 8–9; Kuletz et al. 2015
50	Pt Lay Walrus	A-3d	May–Oct	Walrus	ACS 2017; Fay et al. 1984; Huntington et al. 2012; Huntington et al. 2017; Jay et al. 2012 Figures 4 & 5 pp. 8–9; Kuletz et al. 2015; Quakenbush et al. 2016
52	Russian Coast Walrus Offshore	A-3f	May–Nov	Walrus	Jay et al. 2012 Figures 4 & 5 pp. 8–9
58	Russian Coast Walrus Nearshore	A-3f	May–Nov	Walrus	Fay et al. 1984; Jay et al. 2012 Figures 4 & 5 pp. 8–9
59	Ostrov Kolyuchin	A-3f	July–Nov	Walrus	Belikov et al. 1996; Boltunov et al. 2012; Fay 1982; Fay et al. 1984; Gilbert et al. 1992; Kavry et al. 2008; Kochnev 2013a, 2013b; Kochnev and Kozlov 2012; Kochnev et al. 2003; Pereverez and Kochnev 2012
66	Herald Island	A-3g	Jan–Dec	Walrus (Jul–Nov)	Belikov et al. 1996; Fay 1982; FSBI 2014; Gilbert et al. 1992
LSs					
22	Mys Shmidta (Cape Schmidt), Cape Kozhevnikov, Ryrkaipii	A-4a	Jan–Dec	Walrus (Jul–Nov)	Belikov et al. 1996; Boltunov et al. 2012; Gilbert et al. 1992; Kavry et al. 2008; Kochnev 2013a, 2013b; Robards 2013
28	Ostrov Karkarpko, Mys Vankarem (Cape Vankarem)	A-4a	Jan–Dec	Walrus (Jul–Nov)	Belikov et al. 1996; Boltunov et al. 2012; Fay 1982; Kavry et al. 2008; Kochnev 2004a, 2004b, 2013a, 2013b; Kryukova and Kochnev 2012
29	Mys Onmyn (Cape Onmyn)	A-4a	Jan–Dec	Walrus (Jul–Nov)	Boltunov et al. 2012; Fay 1982; Kochnev 2004; Kryukova and Kochnev 2012
31	Kosa Belyaka (Belyaka Spit)	A-4a	Jan–Dec	Walrus (Jul–Nov)	Robards 2013
38	Mys Unikin (Cape Unikyn)	A-4a	Jan–Dec	Walrus (Jul–Nov)	Boltunov et al. 2012; Fay 1982; Fay et al. 1984; Kochnev 2004a, 2004b, 2013a
39	Mys Dezhnev, Mys Peek (Cape Dehznev, Cape Peek	A-4a	Jan–Dec	Walrus (Jul–Nov)	Boltunov et al. 2012; Fay 1982; Fay et al. 1984; Fedoseev 1981; Kochnev 2004a, 2004b, 2013a
75	Icy Cape	A-4b	Jan–Dec	Walrus (July– Nov)	Christman 2013; Fischbach et al. 2009; Huntington et al. 2012; Huntington et al. 2017; Robards 2013
GLSs					
133	Bukhta Somnitel'naya (Somnitel'naya Spit), Davidova Spit	A-5c	Jan–Dec	Walrus (Jul–Nov)	Belikov et al. 1996; Boltunov et al. 2012; Fay 1982; Gilbert et al. 1992; Kochnev 2004a, 2004b, 2013b
135	Ostrov Idlidlya (Ididlya Island)	A-5c	Jul–Nov	Walrus	Boltunov et al. 2012; Fay 1982; Fedoseev 1981; Gilbert et al. 1992; Kochnev 2004
136	Mys Serditse Kamen (Cape Serdtse-Kamen)	A-5c	Jul–Nov	Walrus	Belikov et al. 1996; Boltunov et al. 2012; Chakilev et al. 2012; Fay 1982; Fay et al. 1984; Fedoseev 1981; Gilbert et al. 1992; Kochnev 2004a, 2004b, 2013a
137	Chukotka Coast Haulout	A-5c	Jul–Nov	Walrus	Belikov et al. 1996; Boltunov et al. 2012; Fay et al. 1984; Fedoseev 1981; Gilbert et al. 1992; Jay et al. 2012 Figures 4 & 5 pp. 8–9; Kochnev 2013a
145	Cape Lisburne	A-5b	Jan–Dec	Walrus (Aug–Nov)	ACS 2017; Christman 2013; Fay 1982; Fay et al. 1984; Huntington and Quakenbush 2013; Robards 2013
148	Point Lay Haulout	A-5a	Jul–Nov	Walrus	Christman 2013; Fischbach et al. 2009; Huntington et al. 2012; Huntington et al. 2017; Robards 2013
180	Russia Chukchi Coast Marine Mammals	A-5c	Jul–Nov	Walrus	Belikov et al. 1996; Boltunov et al. 2012; Fay et al. 1984; Fedoseev 1981; Gilbert et al. 1992

Compiled by BOEM (2019).

Table B.1-7. ERAs, LSs, and GLSs used in the analysis of marine mammals (ice seals)

ID	Name	Map	Months	Specific Resource	Reference
ERAs					
1	Kasegaluk Lagoon Area	A-3d	May–Oct	Spotted Seals	ADF&G 2001; Boveng et al. 2009
46	Wrangel Island 12 nmi Buffer 2	A-3g	Dec–May	Bearded & Ringed Seals	Cameron et al. 2010; Kelly et al. 2010
48	Chukchi Lead System 4	A-3e	Dec–May	Bearded & Ringed Seals	Cameron et al. 2010; Kelly et al. 2010
62	Herald Shoal Polynya 2	A-3g	Dec–May	Ringed & Bearded Seals	Cameron et al. 2010; Kelly et al. 2010.
64	Peard Bay Area/Franklin Spit Area	A-3d	May–Oct	Spotted Seals	ADF&G 2001; Boveng et al. 2009
65	Smith Bay: Spotted Seal Haulout	A-3c	May–Oct	Spotted Seals	ADF&G 2001; Boveng et al. 2009
68	Harrison Bay	A-3a-1	May–Oct	Spotted Seals	ADF&G 2001; Boveng et al. 2009
69	Harrison Bay/Colville Delta	A-3a-2	May–Oct	Spotted Seals	ADF&G 2001; Boveng et al. 2009
GLS					
134	Kolyuchin Bay	A-5c	Jun–Nov	Spotted & Ringed Seals	Boveng et al. 2009; Heptner et al. 1996; Kelly et al. 2010
155	Smith Bay Spotted Seal Haulout	A-5b	May–Oct	Spotted Seals	ADF&G 2001; Boveng et al. 2009
159	Harrison Bay Spotted Seal Haulout	A-5b	Jun–Sep	Spotted Seals	ADF&G 2001; Boveng et al. 2009

Compiled by BOEM (2019).

Table B.1-8. GLSs used in the analysis of terrestrial mammals

GLS ID	Name	Map	Months	Specific Resource	Reference
142	WAH Insect Relief	A-5c	Jul–Aug	Caribou	ADF&G 2001; Person et al. 2007
146	Ledyard Brown Bears	A-5b	Jun–Oct	Brown Bears	ADF&G 1986; ADF&G 2001
149	Kasegaluk Brown Bears	A-5b	Jun–Oct	Brown Bears	ADF&G 1986; ADF&G 2001
153	TCH Insect Relief/Calving	A-5b	May–Aug	Caribou	ADF&G 1986; ADF&G 2001; Carroll et al. 2011; Person et al. 2007
160	CAH Insect Relief/Calving	A-5b	May–Aug	Caribou	ADF&G 1986; ADF&G 2001; Arthur and Del Vecchio 2009; Cameron et al. 2002; 2005; Lawhead and Prichard 2007; Wolfe 2000
163	Beaufort Muskox	A-5b	Nov–May	Muskox	ADF&G 2001; Environment Yukon 2009; Lawhead and Prichard 2007; Reynolds et al. 2002
168	PCH Insect Relief	A-5b	Jul–Aug	Caribou	ADF&G 2001; Environment Yukon 2009; Nixon and Russell 1990
169	PCH Calving	A-5a	May–Jun	Caribou	ADF&G 2001; Environment Yukon 2009; Fancy et al. 1989; Griffith et al. 2002
170	Yukon Muskox Wintering	A-5a	Nov–Apr	Muskox	Environment Yukon 2009
174	Yukon Moose	A-5b	Jan–Dec	Moose	Environment Yukon 2009
179	Tuktoyaktuk & Cape Bathurst Caribou Insect Relief	A-5a	Jul–Aug	Caribou	Gunn et al. 2011; Nagy et al. 2005

Key: CAH–Central Arctic Herd; PCH–Porcupine Caribou Herd; TCH–Teshekpuk Caribou Herd; WAH–Western Arctic Herd.
Compiled by BOEM (2019).

Table B.1-9. ERAs and GLSs used in the analysis of birds

ID	Name	Map	Months	Specific Resource	Reference
ERAs					
1	Kasegaluk Lagoon Area	A-3d	May–Oct	Birds: BLBR, LTDU, eiders (STEI, COEI), loons (all 3 species)	Dau and Bollinger 2009, 2012; Johnson 1993; Johnson et al. 1993; Laing and Platte 1994; Lehnhausen and Quinlan 1981; Morgan et al. 2012; Seabird Information Network 2015
2	Point Barrow, Plover Islands	A-3c	May–Oct	Birds: SPEI, LTDU, BLBR, BLGU	Dau and Bollinger 2009; Fischer and Larned 2004; Ritchie et al 2013; Seabird Information Network 2015; Troy 2003
5	Beaufort Sea Shelf Edge IBA	A-3d	May–Oct	Birds: GLGU; POJA	Audubon 2015; Smith et al. 2012 (p. 31)
8	Maguire and Flaxman Islands	A-3a-2	May–Oct	Birds: nesting COEI, molting LTDU, PALO	Dau and Bollinger 2009, 2012; Fischer and Larned 2004; Flint et al. 2004; Johnson 2000; Johnson et al. 2005; Noel et al. 2005; Seabird Information Network 2015
9	Stockton and McClure Islands	A-3a-1	May–Oct	Birds: nesting COEI, molting LTDU, staging SPEI	Dau and Bollinger 2009, 2012; Fischer and Larned 2004; Flint et al. 2004; Johnson 2000 (Table 2); Johnson et al. 2005; Noel et al. 2005; Seabird Information Network 2015; Troy 2003
10	Ledyard Bay SPEI Critical Habitat Unit	A-3f	July–Nov	Birds: seabirds, molting/staging SPEI, staging YBLO	66 FR 9146-9185; Laing and Platte 1994; Morgan et al. 2012; Petersen et al. 1999; Piatt and Springer 2003
14	Cape Thompson Seabird Colony Area	A-3g	May–Oct	Birds: seabirds, gulls, shorebirds, waterfowl, staging YBLO	Morgan et al. 2012; Piatt et al. 1991; Piatt and Springer 2003; Seabird Information Network 2015; Springer et al. 1984; Stephensen and Irons 2003
15	Cape Lisburne Seabird Colony Area	A-3f	May–Oct	Birds: seabird breeding colony, staging YBLO	Dragoo and Balland 2014; Dragoo et al. 2017; Morgan et al. 2012; Oppel et al. 2009; Piatt et al. 1991; Piatt and Springer 2003; Roseneau et al. 2000; Seabird Information Network 2015; Springer et al. 1984; Stephenson and Irons 2003
17	Angun and Beaufort Lagoons	A-3a-1	May–Oct	Birds: molting LTDU, scoters, staging shorebirds	Dau and Bollinger 2009, 2012; Johnson and Herter 1989
18	Murre Rearing and Molting Area	A-3g	May–Oct	Birds: murre foraging, rearing, and molting area	Piatt and Springer 2003; Springer et al. 1984
19	Chukchi Sea Spring Lead System	A-3d	Apr–Jun	Birds: seabird foraging area; spring migration area for LTDU, eiders (KIEI, COEI), loons	Connors et al. 1979; Piatt et al. 1991; Piatt and Springer 2003; Sexson et al. 2014
64	Peard Bay/Franklin Spit Area	A-3d	May–Oct	Birds: eiders (all 4 species), loons (all 3 species)	Fischer and Larned 2004; Gill et al. 1985; Laing and Platte 1994
65	Smith Bay	A-3c	May–Oct	Birds: eiders (SPEI, KIEI), YBLO	Dau and Bollinger 2009, 2012; Earnst et al. 2005; Powell et al. 2005; Ritchie et al. 2000; Ritchie et al. 2004; Troy 2003
67	Herschel Island (Canada)	A-3c	May–Oct	Birds: LTDU, BLBR, scoters, eiders, loons, shorebirds	Johnson and Richardson 1982; Richardson and Johnson 1981
68	Harrison Bay	A-3a-1	May–Oct	Birds: eiders (KIEI, COEI), scoters (BLSC, SUSC), geese (BLBR, CANG, GWFG), loons, shorebirds	Connors et al. 1984; Dau and Bollinger 2009, 2012; Fischer and Larned 2004
69	Harrison Bay/Colville Delta	A-3a-2	May–Oct	Birds: geese (BLBR), eiders (KIEI, COEI), LTDU, scoters (BLSC, SUSC), loons (all 3 species)	Bergman et al. 1977; Dau and Bollinger 2009, 2012; Fischer and Larned 2004; Johnson and Herter 1989
71	Simpson Lagoon, Thetis and Jones Islands	A-3c	May–Oct	Birds: geese (BLBR, LSGO, GWFG), eiders (COEI, KIEI), LTDU, scoters (SUSC, WWSC), shorebirds, loons (all 3 species)	Dau and Bollinger 2009, 2012; Connors et al. 1984; Divoky 1984; Johnson 2000; Johnson et al. 1987; Johnson and Herter 1989; Noel and Johnson 1997; Richardson and Johnson 1981; Stickney and Ritchie 1996; Truett et al. 1997

ID	Name	Map	Months	Specific Resource	Reference
72	Gwyder Bay, West Dock, Cottle and Return Islands	A-3a-2	May–Oct	Birds: geese (BLBR, LSGO, GWFG), eiders (COEI, KIEI), LTDU, scoters (SUSC, WWSC), shorebirds, loons (all 3 species)	Dau and Bollinger 2009, 2012; Fischer and Larned 2004; Johnson 2000; Noel et al. 2005; Noel and Johnson 1997; Powell et al. 2005; Truett et al. 1997; Stickney and Ritchie 1996; Troy 2003
73	Prudhoe Bay	A-3a-1	May–Oct	Birds: geese (BLBR, LSGO, GWFG), eiders (COEI, KIEI), LTDU, scoters (SUSC, WWSC), shorebirds, loons (all 3 species)	Dau and Bollinger 2009, 2012; Fischer and Larned 2004; Johnson and Richardson 1982; Noel and Johnson 1997; Noel et al. 2005; Powell et al. 2005; Richardson and Johnson 1981; Stickney and Ritchie 1996; Troy 2003; Truett et al. 1997
76	Kendall Island Bird Sanctuary (Canada)	A-3c	May–Oct	Birds: eiders (KIEI, COEI), LTDU, scoters (all 3 species), loons (all 3 species)	Alexander et al. 1997; Dickson et al. 1997; Divoky 1984; Johnson and Richardson 1982; Richardson and Johnson 1981
77	Sagavanirktok River Delta/Foggy Island Bay	A-3a-2	May–Oct	Birds: eiders (SPEI, COEI), LTDU, scoters (all 3 species), loons (all 3 species)	Dau and Bollinger 2009, 2012; Divoky 1984; Fischer and Larned 2004; Johnson 2000; Johnson et al. 1993; Sexson et al. 2014; Troy 2003
78	Mikkelsen Bay	A-3a-2	May–Oct	Birds: eiders (KIEI, COEI), LTDU, scoters, loons (PALO, RTLO)	Dau and Bollinger 2009, 2012; Divoky 1984; Fischer and Larned 2004; Flint et al. 2004; Johnson 2000; Noel et al. 2005
79	Demarcation Bay Offshore	A-3c	May–Oct	Birds: eiders (KIEI, COEI), LTDU, scoters (SUSC, WWSC), loons, molting LTDU, staging shorebirds	Dau and Bollinger 2009, 2012; Fischer and Larned 2004; Johnson and Richardson 1982; Johnson and Herter 1989; Richardson and Johnson 1981
80	Chukchi Sea Nearshore IBA	A-3f	May–Oct	Birds: ARTE; BLKI; GLGU; LTDU; POJA; REPH; SAGU	Audubon Alaska 2015 Smith et al. 2012 (p. 31)
81	Simpson Cove	A-3a-1	May–Oct	Birds: COEI, LTDU, PALO, scoters (SUSC, WWSC)	Dau and Bollinger 2009, 2012; Fischer and Larned 2004; Johnson and Herter 1989
96	Midway, Cross and Bartlett Islands	A-3a-1	May–Oct	Birds: eiders (SPEI,COEI), LTDU, scoters (all 3 species), loons (all 3 species)	Dau and Bollinger 2009, 2012; Divoky 1984; Fischer and Larned 2004; Johnson 2000; Troy 2003 (Figure 3)
98	Anderson Point Barrier Islands	A-3a-1	May–Oct	Same as ERA96	Same as ERA96
99	Arey and Barter Islands, Bernard Spit	A-3a-1	May–Oct	Same as ERA96	Same as ERA96
100	Jago and Tapkaurak Spits	A-3a-1	May–Oct	Same as ERA96	Same as ERA96
104	Ledyard Bay-Icy Cape IBA	A-3e	May–Oct	Birds: staging molting SPEI, BLKI; GLGU; POJA	Audubon Alaska 2015; Smith et al. 2012 (p. 31)
GLSs					
147	Kasegaluk Lagoon Area IBA	A-5b	May–Oct	Birds: ALTE; BLBR; COEI; DUNL; GLGU; GWFG; LTDU; RTLO; SPEI	Audubon Alaska 2015 (Report 991)
156	Teshekpuk Lake Special Area (NPR-) IBA	A-5c	May–Oct	Birds: AMGP; ARTE; BBPL; BBSA; BLBR; BLSC; BTGO; CACG; CAGO; DUNL; EMGO; GLGU; GOEA; GWFG; LBDO; LTDU; NOPI; PALO; PESA; REPH; RNPH; RTLO; SAGU; SEOW; SESA; SNGO; SPEI; STEI; STSA; TUSW; YBLO	Audubon Alaska 2015 (Report 2781)
157	Colville River Delta IBA	A-5a	May–Oct	Birds: GLGU	Audubon Alaska 2015; Brown et al. 2007; Smith et al. 2012 (p. 31)
167	Northeast Arctic Coastal Plain IBA	A-5b	May–Oct	Birds: AMGP; BBSA; DUNL; GOEA; PESA; REPH; RNPH; RTLO; RUTU; SEPL; SESA; SNGO; STSA; WHIM	Audubon Alaska 2015 (Report 2816)

ID	Name	Map	Months	Specific Resource	Reference
178	Kendall Island Bird Sanctuary (Canada)	A-5b	May–Oct	Birds:	Rausch and Johnston 2012

Key: Aleutian Tern (ALTE), American Golden-Plover (AMGP), Arctic Tern (ARTE), Black-bellied Plover (BBPL); Buff-breasted Sandpiper (BBSA), Black Brant (BLBR), Black-legged Kittiwake (BLKI), Black Scoter (BLSC), Bar-tailed Godwit (BTGO), Cackling Goose (CACG), Canada Goose (CANG), COEI (Common Eider), Dunlin (DUNL), Emperor Goose (EMGO), Glaucous Gull (GLGU), Golden Eagle (GOEA), Greater White-fronted Goose (GWFG), KIEI (King Eider), Long-billed Dowitcher (LBDO), Lesser Snow Goose (LSGO): Long-tailed Duck (LTDU), Northern Pintail (NOPI), Pectoral Sandpiper (PESA), Pacific Loon (PALO), Pomarine Jaeger (POJA), Red Phalarope (REPH), Red-necked Phalarope (RNPH), Red-throated Loon (RTLO), Ruddy Turnstone (RUTU), Sabine's Gull (SAGU), Short-eared Owl (SEOW) ; Semipalmated Plover (SEPL) Semipalmated Sandpiper (SESA), Snow Goose (SNGO);Spectacled Eider (SPEI), Steller's Eider (STEI), Stilt Sandpiper (STSA), Surf Scoter (SUSC), Tundra Swan (TUSW), Whimbrel (WHIM), White-winged Scoter (WWSC), Yellow-billed Loon (YBLO).
Compiled by BOEM (2019).

Table B.1-10. ERAs, GLSs, and BSs used in the analysis of subsistence resources

ID	Name	Map	Months	Specific Resource	Reference
			ERAs		
3	SUA: Enurmino-Neshkan /Russia	A-3g	Jan–Dec	Bowhead Whales, Gray Whales, Walrus, Polar Bears, Ocean Fish, Birds	Ainana et al. 2001; Kochnev et al. 2003; Melnikov and Bobkov 1993; Zdor et al. 2010
4	SUA: Inchoun-Uelen/Russia	A-3f	Jan–Dec	Bowhead Whales, Gray Whales, Walrus, Beluga, Polar Bears, Ocean Fish, Birds	Ainana et al. 2001; Huntington and Mymrin 1996; Kochnev et al. 2003; Melnikov and Bobkov 1993; Mymrin et al. 1999; Zdor et al. 2010
12	SUA: Nuiqsut-Colville River Delta	A-3c	Mar–Oct	Seals, Waterfowl, Ocean Fish, Moose, Caribou	ADF&G 2017; SRB&A 2010; BLM and MMS 2003
13	SUA: Kivalina-Noatak	A-3g	Jan–Dec	Walrus, Seals, Bowhead Whales, Beluga Whales, Polar Bears, Ocean Fish, King Crabs	Burch 1985; Huntington et al. 2017; Magdanz et al. 2010
38	SUA: Pt. Hope-Cape Lisburne	A-3d	Jan–Dec	Beluga Whales, Bowhead Whales, Walrus, Seals	Bacon et al. 2009; Braund and Burnham 1984; Frost and Suydam 2010
39	SUA: Pt. Lay-Kasegaluk Lagoon	A-3e	Jan–Dec	Ocean Fish, Seals, Waterfowl, Beluga Whales	Bacon et al. 2009; Braund and Burnham 1984; Frost and Suydam 2010; Galginaitis and Impact Assessment 1989; Huntington and Mymrin 1996; SRB&A 2013, 2014; BLM and MMS 2003
40	SUA: Icy Cape-Wainwright	A-3g	Jan–Dec	Bowhead Whales, Beluga Whales, Seals, Waterfowl	Bacon et al. 2009; Braund and Burnham 1984; Frost and Suydam 2010; Kassam and Wainwright Traditional Council 2001; Kofinas et al. 2016; BLM and MMS 2003; SRB&A and UA ISER 1993a; SRB&A 2013
41	SUA: Utqiaġvik-Chukchi	A-3e	Jan–Dec	Bowhead Whales, Beluga Whales, Walrus, Waterfowl, Seals, Ocean Fish	ADF&G 2016; Braund and Burnham 1984; Frost and Suydam 2010; Pedersen 1979; SRB&A 2010; SRB&A and UA ISER 1993b; BLM and MMS 2003
42	SUA: Utqiaġvik-East Arch	A-3d	Apr–Oct	Bowhead Whales, Beluga Whales, Walrus, Waterfowl, Seals, Ocean Fish	ADF&G 2016; Braund and Burnham 1984; Frost and Suydam 2010; Pedersen 1979; SRB&A 2010; SRB&A and UA ISER 1993b; UBLM and MMS 2003
43	SUA: Nuiqsut-Cross Island	A-3c	Aug–Oct	Bowhead Whales, Seals, Waterfowl, Ocean Fish	Galginaitis 2009, 2014a, b, 2016; Impact Assessment 1990a; SRB&A 2010
44	SUA: Kaktovik	A-3c	Apr–Oct	Bowhead Whales, Seals, Walrus, Beluga Whales, Waterfowl, Ocean Fish	Frost and Suydam 2010; Impact Assessment 1990b; Kofinas et al. 2016; North Slope Borough 2001; SRB&A 2010
60	SUA: King Pt.-Shallow Bay (Canada)	A-3b	Apr–Sep	Polar Bears, Seals, Fish, Bowhead Whales, Beluga Whales, Migratory Waterfowl	Fisheries and Oceans Canada 2002, 2009; Environment Canada 2000; Harwood et al. 2002, 2014; North/South Consultants Inc. 2005

ID	Name	Map	Months	Specific Resource	Reference
90	SUA: Garry and Kendall Islands/ Canada	A-3b	Jul–Aug	Beluga Whales	Fisheries and Oceans Canada 2002, 2009; Environment Canada 2000: Harwood et al. 2002, 2014; North/South Consultants Inc. 2005
97	SUA: Shishmaref	A-3e	Jan–Dec	Marine Mammals, Fish, Marine Invertebrates	Huntington et al. 2017; Oceana and Kawerak 2014; Wisniewski 2005
BSs and GLSs					
1	SUA: Shishmaref-Wales	A-1	Jan–Dec	Marine Mammals, Fish, Marine Invertebrates	Huntington et al. 2017; Oceana and Kawerak 2014
2	SUA: Bering Strait-West	A-1	Jan–Dec	Marine Mammals, Fish, Marine Invertebrates	Oceana and Kawerak 2014
143	SUA: Point Lay, Point Hope	A-5a	Jun–Sep	Caribou	SRB&A 2014; Wolfe 2013
154	SUA: Utqiaġvik, Nuiqsut	A-5b	Jul–Aug	Caribou	SRB&A 2010
161	SUA: Kaktovik, Nuiqsut	A-5b	Jul–Aug	Caribou	SRB&A 2010
168	PCH Insect Relief/SUA: Kaktovik	A-5b	Jul–Aug	Caribou	Brower et al. 2000; Galginatis 2014b; Jacobson and Wentworth 1982: SRB&A 2010

Compiled by BOEM (2019). Notes: SUA=Subsistence Use Area; PCH=Porcupine Caribou Herd.

Table B.1-11. LSs used in the OSRA model

ID	Geographic Place Names	ID	Geographic Place Names
1	Mys Blossom, Mys Fomy, Khishchnikov, Neozhidannaya, Laguna Vaygan	32	Mys Dzhenretlen, Eynenekvyk, Lit'khekay-Polar Station
2	Mys Gil'der, Ushakovskiy, Mys Zapadnyy	33	Neskan, Laguna Neskan, Mys Neskan
3	Mys Florens, Gusinaya	34	Emelin, Ostrov Idlidlya, I, Memino, Tepken,
4	Mys Ushakova, Laguna Drem-Khed	35	Enurmino, Mys Keylu, Netakeniskhvin, Mys Neten,
5	Mys Evans, Neizvestnaya, Bukhta Pestsonaya	36	Mys Chechan, Mys Ikigur, Keniskhvik, Mys Serditse Kamen
6	Ostrov Mushtakova	37	Chegitun, Utkan, Mys Volnistyy
7	Kosa Bruch	38	Enmytagyn, Inchoun, Inchoun, Laguna Inchoun, Mitkulino, Uellen, Mys Unikyn
8	Klark, Mys Litke, Mys Pillar, Skeletov, Mys Uering	39	Cape Dezhnev, Mys Inchoun, Naukan, Mys Peek, Uelen, Laguna Uelen, Mys Uelen
9	Nasha, Mys Proletarskiy, Bukhta Rodzhers	40	Ah-Gude-Le-Rock, Dry Creek, Lopp Lagoon, Mint River
10	Reka Berri, Bukhta Davidova, , Khishchnika, Reka Khishchniki	41	Ikpek, Ikpek Lagoon, Pinguk River, Yankee River
11	Bukhta Somnitel'naya	42	Arctic Lagoon, Kugrupaga Inlet, Nuluk River
12	Zaliv Krasika, Mamontovaya, Bukhta Predatel'skaya	43	Sarichef Island, Shishmaref Airport
13	Mys Kanayen, Mys Kekurnyy, Mys Shalaurova, Veyeman	44	Cape Lowenstern, Egg Island, Shishmaref, Shishmaref Inlet
14	Innukay, Laguna Innukay, Umkuveyem, Mys Veuman	45	No place names
15	Laguna Adtaynung, Mys Billingsa, Ettam, Gytkhelen, Laguna Uvargina	46	Cowpack Inlet, Cowpack River, Kalik River, Kividlo, Singeak, Singeakpuk River, White Fish Lake
16	Mys Emmatagen, Mys Enmytagyn, Uvargin	47	Kitluk River, Northwest Corner Light, West Fork Espenberg River
17	Enmaat'khyr, Kenmankautir, Mys Olennyy, Mys Yakan, Yakanvaam, Yakan	48	Cape Espenberg, Espenberg, Espenberg River
18	Mys Enmykay, Laguna Olennaya, Pil'khikay, Ren, Rovaam, Laguna Rypil'khin	49	Kungealoruk Creek, Kougachuk Creek, Pish River
19	Laguna Kuepil'khin, Leningradskiy	50	Clifford Point, Cripple River, Goodhope Bay, Goodhope River, Rex Point, Sullivan Bluffs
20	Polyarnyy, Kuekvun', Notakatryn, Pil'gyn, Tynupytku	51	Cape Deceit, Deering, Kugruk Lagoon, Kugruk River, Sullivan Lake, Toawlevic Point
21	Laguna Kinmanyakicha, Laguna Pil'khikay, Amen, Pil'khikay, Bukhta Severnaya, Val'korkey	52	Motherwood Point, Ninemile Point, Willow Bay
22	Ekiatan', Laguna Ekiatan, Kelyun'ya, Mys Shmidta, Rypkarpyy	53	Kiwalik, Kiwalik Lagoon, Middle Channel Kiwalk River, Minnehaha Creek, Mud Channel Creek, Mud Creek
23	Emuem, Kemuem, Koyvel'khveyergin, Laguna Tengergin, Tenkergin	54	Baldwin Peninsula, Lewis Rich Chan
24	No Place Name	55	Cape Blossom, Pipe Spit
25	Laguna Amguema, Ostrov Leny, Yulinu	56	Kinuk Island, Kotzebue, Noatak River
26	Ekugvaam, Reka Ekugvam, Kepin, Pil'khin	57	Aukulak Lagoon, Igisukruk Mountain, Noak, Mount, Sheshalik, Sheshalik Spit
27	Laguna Nut, Rigol'	58	Cape Krusenstern, Eigaloruk, Evelukpalik River, Kasik Lagoon, Krusenstern Lagoon
28	Kamynga, Ostrov Kardkarpko, Kovlyuneskin, Mys Vankarem, Vankarema, Laguna Vankarem	59	Imik Lagoon, Ipiavik Lagoon, Kotlik Lagoon, Omikviorok River
29	Akanatkhyrgyn, Nutpel'men, Mys Onman, Vel'may	60	Imikruk Lagoon, Imnakuk Bluff, Kivalina, Kivalina Lagoon, Singigrak Spit, Kivalina River, Wulik River
30	Laguna Kunergin, Nutepynmyn, Pyngopil'khin, Laguna Pyngopil'khin	61	Asikpak Lagoon, Cape Seppings, Kavrorak Lagoon, Pusaluk Lagoon, Seppings Lagoon
31	Alyatki, Zaliv Tasytkhin, Kolyuchin Bay	62	Atosik Lagoon, Chariot, Ikaknak Pond, Kisimilok Mountain, Kuropak Creek, Mad Hill

ID	Geographic Place Names	ID	Geographic Place Names
63	Akoviknak Lagoon, Cape Thompson, Crowbill Point, Igilerak Hill, Kemegrak Lagoon	**98**	Beechey Point, Bertoncini, Bodfish, Cottle and, Jones Islands, Milne Point, Simpson Lagoon
64	Aiautak Lagoon, Ipiutak Lagoon, Kowtuk Point, Kukpuk River, Pingu Bluff, Point Hope, Sinigrok Point, Sinuk	**99**	Duck Island, Foggy Island, Gull Island, Heald Point, Howe Island, Niakuk Islands, Point Brower
65	Buckland, Cape Dyer, Cape Lewis, Cape Lisburne	**100**	Foggy Island Bay, Kadleroshilik River, Lion Point, Shaviovik River, Tigvariak Island
66	Ayugatak Lagoon	**101**	Bullen Point, Point Gordon, Reliance Point
67	Cape Sabine, Pitmegea River	**102**	Flaxman Island, Maguire Islands, North Star Island, Point Hopson, Point Sweeney, Point Thomson, Staines River
68	Agiak Lagoon, Punuk Lagoon	**103**	Brownlow Point, Canning River, Tamayariak River
69	Cape Beaufort, Omalik Lago	**104**	Camden Bay, Collinson Point, Katakturuk River, Konganevik Point, Simpson Cove
70	Kuchaurak Creek, Kuchiak Creek	**105**	Anderson Point, Carter Creek, Itkilyariak Creek, Kajutakrok Creek, Marsh Creek, Sadlerochit River
71	Kukpowruk River, Naokok, Naokok Pass, Sitkok Point	**106**	Arey Island, Arey Lagoon, Barter Island, Hulahula River, Okpilak River
72	Epizetka River, Kokolik River, Point Lay, Siksrikpak Point	**107**	Bernard Harbor, Jago Lagoon, Kaktovik, Kaktovik Lagoon
73	Akunik Pass, Tungaich Point, Tungak Creek	**108**	Griffin Point, Oruktalik Lagoon, Pokok Lagoon
74	Kasegaluk Lagoon, , Solivik Island, Utukok River	**109**	Angun Lagoon, Beaufort Lagoon, Nuvagapak Lagoon
75	Akeonik, Icy Cape, Icy Cape Pass	**110**	Aichilik River, Egaksrak Lagoon, Egaksrak River, Icy Reef, Kongakut R., Siku Lag.
76	Akoliakatat Pass, Avak Inlet, Tunalik River	**111**	Demarcation Bay, Demarcation Point, Gordon, Pingokraluk Lagoon
77	Mitliktavik, Nivat Point, Nokotlek Point, Ongorakvik River	**112**	Clarence Lagoon, Backhouse River
78	Kilmantavi, Kuk River, Point Collie, Sigeakruk Point,	**113**	Clarence Lagoon, Backhouse River
79	Point Belcher, Wainwright, Wainwright Inlet	**114**	Nunaluk Spit
80	Eluksingiak Point, Igklo River, Kugrua Bay	**115**	Herschel Island
81	Peard Bay, Point Franklin, Seahorse Islands, Tachinisok Inlet	**116**	Ptarmagin Bay
82	Skull Cliff	**117**	Roland & Phillips Bay, Kay Point
83	Nulavik, Loran Radio Station	**118**	Sabine Point
84	Walakpa River, Will Rogers and Wiley Post Memorial	**119**	Shingle Point
85	Utqiaġvik, Browerville, Elson Lagoon	**120**	Trent and Shoalwater Bays
86	Dease Inlet, Plover Islands, Sanigaruak Island	**121**	Shallow Bay, West Channel
87	Igalik Island, Kulgurak Island, Kurgorak Bay, Tangent Point	**122**	No Place Names
88	Cape Simpson, Piasuk River, Sinclair River, Tulimanik Island	**123**	Outer Shallow Bay, Olivier Islands
89	Ikpikpuk River, Point Poleakoon, Smith Bay	**124**	Middle Channel, Gary Island
90	Drew Point, Kolovik, McLeod Point,	**125**	Kendall Island
91	Lonely AFS Airport, Pitt Point, Pogik Bay, Smith River	**126**	North Point, Pullen Island
92	Cape Halkett, Esook Trading Post, Garry Creek	**127**	Hendrickson Island, Kugmallit Bay
93	Atigaru Point, Eskimo Islands, Harrison Bay, Kalikpik River, Saktuina Point	**128**	Tuktoyaktuk, Tuktoyaktuk Harbour
94	Fish Creek, Tingmeachsiovik River	**129**	Warren Point
95	Kalubik Creek, Oliktok Point, Thetis Mound	**130**	Hutchison Bay
96	Gwydyr Bay, Kuparuk River, Long Island	**131**	McKinley Bay, Atkinson Point
97	Beechey Point, Bertoncini, Bodfish, Cottle and, Jones Islands, Milne Point, Simpson Lagoon	**132**	Kidney Lake, Nuvorak Point

Key: ID = identification (number)
Compiled by BOEM (2019).

Table B.1-12 LS ID and the percent type of Environmental Sensitivity Index shoreline closest to the ocean for United States, Alaska shoreline

ID	Geographic Place Names	1A	1B	1C	3A	3B	3C	4	5	6A	6B	6C	7	8A	8B	8C	8E	9A	9B	10A	10B	10E	U
40	Lopp Lagoon, Mint River	-	-	-	21	-	3	1	23	-	-	-	6	-	-	-	21	7	1	2	-	15	-
41	Ikpek, Ikpek Lagoon	-	-	-	16	-	6	-	-	-	-	-	12	-	-	-	21	7	2	16	-	19	2
42	Arctic Lagoon, Nuluk River	-	-	-	1	-	3	1	7	-	-	-	1	-	-	-	30	6	14	2	-	34	1
43	Sarichef Island	-	-	-	-	-	13	4	1	-	-	-	12	-	-	-	27	7	1	4	-	32	-
44	Cape Lowenstern, Shishmaref	-	-	-	6	-	8	-	-	-	-	1	7	-	-	-	32	6	4	6	-	31	-
45	LS45	-	-	-	17	-	-	-	-	-	-	-	1	-	-	-	25	7	9	-	-	40	2
46	Kalik & Singeakpuk River	-	-	-	13	-	2	-	-	-	-	-	4	-	-	-	38	7	12	-	-	24	-
47	Kitluk River	-	-	-	13	-	1	-	-	-	-	-	32	-	-	-	20	2	24	-	-	-	7
48	Cape Espenberg	-	-	-	13	-	1	-	10	-	-	-	2	-	-	-	7	8	-	25	-	20	14
49	Pish River	-	-	-	19	-	-	-	15	-	-	-	-	-	-	-	14	5	3	20	-	24	-
50	Goodhope Bay & River	1	-	3	4	-	-	4	22	4	12	-	-	-	-	-	12	-	-	4	-	35	-
51	Deering	1	-	11	15	-	-	-	23	6	4	-	-	-	-	-	12	2	1	24	-	-	1
52	Willow Bay	2	5	4	9	-	-	-	35	1	1	-	-	-	1	-	1	-	-	32	-	7	-
53	Kiwalik	-	-	-	3	-	-	-	18	-	-	-	-	2	1	-	-	3	-	13	-	43	15
54	Baldwin Peninsula	-	-	-	15	-	8	-	68	-	-	-	-	1	-	-	2	-	-	-	-	6	-
55	Cape Blossom, Pipe Spit	-	-	-	1	-	6	-	78	1	1	-	-	-	-	-	4	-	-	7	-	1	-
56	Kotzebue, Noatak River	-	1	-	-	-	3	-	13	-	-	1	-	-	-	-	8	9	1	5	-	23	38
57	Aukulak Lagoon	-	-	-	4	-	2	-	18	-	-	-	-	-	-	-	19	7	3	5	-	28	14
58	Cape Krusenstern	-	-	-	-	-	1	-	32	-	1	-	-	-	-	-	17	-	1	22	-	26	-
59	Imik, Ipiavik & Kotlik Lagoon	-	-	-	1	-	-	-	48	4	-	-	-	-	-	-	6	4	-	35	-	2	-
60	Kivalina, Kivalina & Wulik River	-	-	-	-	-	2	1	46	3	-	1	-	-	-	1	19	5	7	9	-	6	-
61	Cape Seppings	-	-	-	-	-	-	-	54	-	-	-	-	-	-	-	9	-	11	6	-	19	-
62	Atosik Lagoon	-	-	-	-	-	-	-	76	-	-	-	-	-	-	-	1	-	17	5	-	1	-
63	Asikpak Lag., Cape Seppings	-	-	1	5	-	1	1	46	11	-	-	19	-	-	-	10	3	1	1	-	-	-
64	Kukpuk River, Point Hope	1	-	2	8	-	1	2	42	4	-	-	12	-	-	-	16	4	6	-	-	1	-
65	Buckland, Cape Lisburne	13	-	2	-	-	-	-	71	10	3	-	-	-	-	-	-	-	-	1	-	-	-
66	Ayugatak Lagoon	54	-	-	-	-	-	-	32	1	-	-	-	-	-	-	-	-	-	12	-	-	-
67	Cape Sabine, Pitmegea River	38	-	3	-	-	15	-	22	1	-	-	-	-	-	-	-	-	-	19	-	-	-
68	Agiak Lagoon, Punuk Lagoon	-	-	-	-	-	11	-	76	11	-	-	-	-	-	-	-	-	-	1	-	-	-
69	Cape Beaufort, Omalik Lagoon	-	-	-	-	-	-	-	44	47	-	-	-	-	-	-	-	-	-	2	-	6	-
70	Kuchaurak and Kuchiak Creek	-	-	-	-	-	-	-	20	-	-	-	20	-	-	-	14	1	21	2	-	19	2
71	Kukpowruk River, Sitkok Point	-	-	-	4	-	9	-	35	-	-	-	21	-	-	-	5	19	4	-	-	2	1
72	Point Lay, Siksrikpak Point	-	-	-	4	-	2	-	49	-	-	-	8	-	-	-	12	15	-	5	-	3	-
73	Tungaich Point, Tungak Creek	-	-	-	-	-	8	-	52	-	-	-	-	-	-	1	4	15	5	10	-	4	-
74	Kasegaluk Lagoon, Solivik Isl.	-	-	-	15	-	-	-	28	1	-	-	1	-	-	-	5	41	2	5	-	-	1
75	Akeonik, Icy Cape	-	-	-	13	-	4	1	34	-	-	-	2	-	-	-	14	14	11	5	1	1	-
76	Avak Inlet, Tunalik River	-	-	-	2	-	8	3	40	-	-	-	1	-	-	-	13	11	8	1	-	13	-
77	Nivat Point, Nokotlek Point	-	-	-	13	-	3	6	42	-	-	-	9	-	-	-	12	9	4	-	-	1	-
78	Point Collie, Sigeakruk Point	-	-	-	15	-	5	-	38	-	-	-	19	-	-	-	-	4	7	-	-	5	8
79	Point Belcher, Wainwright	-	-	-	22	-	1	-	33	2	1	-	32	-	-	-	2	-	-	1	-	5	-
80	Eluksingiak Point, Kugrua Bay	-	-	-	13	-	35	-	10	-	-	-	12	-	-	-	14	9	-	1	-	5	1
81	Peard Bay, Point Franklin	-	-	-	3	-	21	-	37	1	-	-	25	-	-	-	3	9	-	-	-	-	-

ID	Geographic Place Names	1A	1B	1C	3A	3B	3C	4	5	6A	6B	6C	7	8A	8B	8C	8E	9A	9B	10A	10B	10E	U
82	Skull Cliff	-	-	-	-	-	76	2	12	9	-	-	1	-	-	-	-	-	1	-	-	-	-
83	Nulavik, Loran Radio Station	-	-	-	-	-	73	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-
84	Will Rogers & Wiley Post Mem.	-	-	-	1	-	8	-	82	-	-	-	-	-	-	-	-	-	8	-	-	-	-
85	Utqiaġvik, Browerville, Elson Lag.	-	-	-	11	-	14	-	37	-	-	-	1	-	-	-	17	2	2	3	-	7	7
86	Dease Inlet, Plover Islands	-	-	-	30	3	5	-	3	-	-	-	2	-	-	-	19	15	3	11	-	9	-
87	Igalik & Kulgurak Island	-	-	-	17	-	4	-	3	-	-	-	-	-	-	-	25	7	-	9	-	34	1
88	Cape Simpson, Piasuk River	-	-	-	6	-	5	6	-	-	-	-	-	-	-	-	14	-	-	-	-	25	44
89	Ikpikpuk River Point Poleakoon	-	-	-	2	-	4	-	-	-	-	-	-	-	-	-	4	57	-	-	-	13	20
90	Drew & McLeod Point, Kolovik	-	-	-	5	-	19	7	-	-	-	-	-	-	-	-	14	16	-	11	-	27	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	-	-	-	-	-	4	9	7	-	-	-	-	-	-	-	12	5	-	6	-	38	18
92	Cape Halkett, Garry Creek	-	-	-	1	-	20	3	-	-	-	-	-	-	-	-	26	2	-	-	-	31	18
93	Atigaru Pt, Eskimo Isl., Kogru R.	-	-	-	9	-	30	2	1	-	-	-	-	-	-	-	20	1	3	1	-	34	-
94	Fish Creek, Tingmeachsiovik River	-	-	-	1	-	4	-	1	-	-	-	-	-	-	-	6	34	-	1	-	38	16
95	Colville River	-	-	-	5	-	1	-	-	-	-	-	-	-	-	-	10	31	-	1	-	2	50
96	Oliktok Point	-	-	-	4	-	8	12	10	3	-	-	-	-	-	-	11	10	-	9	-	32	1
97	Milne Point, Simpson Lagoon	-	-	-	6	-	2	37	19	-	-	-	-	-	-	-	17	1	5	4	-	8	2
98	Kuparuk River	-	-	-	1	-	1	-	36	-	-	-	-	1	-	-	7	21	3	1	-	16	11
99	Point Brower, Prudhoe Bay	-	-	-	2	-	5	-	1	-	-	-	-	-	1	-	12	55	-	11	-	7	4
100	Foggy Island Bay, Kadleroshilik R.	-	-	-	6	-	4	4	15	1	-	-	-	-	-	-	7	31	-	5	-	22	4
101	Bullen, Gordon & Reliance Points	-	-	-	7	-	4	3	44	-	-	-	-	-	-	-	2	2	-	12	-	22	3
102	Pt. Hopson & Sweeney, Staines R	-	-	-	2	-	4	12	35	3	-	-	4	-	-	-	16	6	-	3	-	17	-
103	Brownlow Point, Canning River	-	-	-	21	-	6	3	7	-	-	-	-	-	-	-	5	43	-	-	-	8	8
104	Collinson Point, Konganevik Point	-	-	-	21	-	13	-	21	-	-	-	2	-	-	-	10	11	6	-	-	15	-
105	Anderson Point, Sadlerochit River	-	-	-	18	-	3	-	24	-	-	-	22	-	-	-	1	13	4	1	-	14	-
106	Arey Island, Barter Island,	-	-	-	11	-	3	1	13	-	-	-	-	-	-	-	9	45	-	-	-	14	1
107	Kaktovik	-	-	-	-	-	10	3	45	-	-	-	-	-	1	-	7	17	1	-	-	4	11
108	Griffin Point, Oruktalik Lagoon	-	-	-	-	-	20	2	43	-	-	-	-	-	-	-	13	2	2	1	-	16	-
109	Angun Point, Beaufort Lagoon	-	-	-	-	-	18	30	23	-	-	-	-	-	-	-	14	4	1	-	-	7	3
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	-	-	-	3	26	-	-	-	-	-	-	-	2	28	1	-	-	38	3
111	Demarcation Bay & Point	-	-	-	1	-	15	3	54	-	-	-	-	-	-	-	6	7	3	-	-	5	5

Source: Compiled by BOEM (2014) from Harper and Morris (2014)

Key:

ID = identification (number). Number Description		
1A Exposed rocky shores; exposed rocky banks	6A Gravel beaches; Gravel beaches (granules and pebbles) *	8E Peat shorelines
1B Exposed, solid man-made structures	6B Gravel beaches (cobbles and boulders) *	9A Sheltered tidal flats
1C Exposed rocky cliffs with boulder talus base	6C Rip rap (man-made) *	9B Vegetated low banks
3A Fine- to medium-grained sand beaches	7 Exposed tidal flats	10A Salt- and brackish-water marshes
3B Scarps and steep slopes in sand	8A Sheltered scarps in bedrock, mud, or clay; Sheltered rocky shores (impermeable) *	10B Freshwater marshes
3C Tundra cliffs	8B Sheltered, solid man-made structures; Sheltered rocky shores (permeable) *	10E Inundated low-lying tundra
4 Coarse-grained sand beaches	8C Sheltered rip rap	U Unknown
5 Mixed sand and gravel beaches	8D Sheltered rocky rubble shores	

Table B.1-13. GLSs used in the OSRA model

GLS ID	Grouped Land Segment Name	Land Segment IDs	Vulnerability	MAP
133	Bukhta Somnitel'naya (Somnitel'naya Spit), Davidova Spit	10–11	Jan–Dec	A-5c
134	Kolyuchin Bay	30–31, 33–34	Jun–Nov	A-5c
135	Ostrov Idlidlya (Ididlya Island)	33–34	Jul–Nov	A-5c
136	Mys Serditse Kamen (Cape Serdtse-Kamen)	35–36	Jul–Nov	A-5c
137	Chukotka Coast Haulout	35–39	Jul–Nov	A-5c
138	Bering Land Bridge National Preserve	41–42, 45–50	Jan–Dec	A-5c
139	Noatak River	54–57	Jan–Dec	A-5c
140	Cape Krusenstern National Monument	57–59	Jan–Dec	A-5a
141	Wulik and Kivilina Rivers	60–61	Jan–Dec	A-5a
142	WAH Insect Relief	61–71	Jul–Aug	A-5c
143	SUA: Point Lay–Point Hope	61–71	Jun–Sep	A-5a
144	Alaska Maritime National Wildlife Refuge	62–63, 65	Jan–Dec	A-5a
145	Cape Lisburne	65–67	Jan–Dec	A-5b
146	Ledyard Brown Bears	65–70	Jun–Oct	A-5b
147	Kasegaluk Lagoon Area IBA	70–78	May–Oct	A-5b
148	Point Lay Haulout	71–74	Jul–Nov	A-5a
149	Kasegaluk Brown Bears	73–77	Jun–Oct	A-5b
150	National Petroleum Reserve-Alaska	76–77, 80–83, 86–93	Jan–Dec	A-5c
151	Kasegaluk Lagoon Special Area (NPR-A)	76–77	Jan–Dec	A-5c
152	Kuk River	78–79	Jan–Dec	A-5b
153	TCH Insect Relief/Calving	85–95	May–Aug	A-5b
154	SUA: Utqiaġvik–Nuiqsut	85–95	Jul–Aug	A-5b
155	Smith Bay Spotted Seal Haulout	88–89	May–Oct	A-5b
156	Teshekpuk Lake Special Area/IBA	86–93	May–Oct	A-5c
157	Colville River Delta IBA	93–95	May–Oct	A-5a
158	Colville River Delta	94–95	Oct–Apr	A-5a
159	Harrison Bay Spotted Seal Haulout	95–96	Jun–Sept	A-5b
160	CAH Insect Relief/ Calving	96–103	May–Aug	A-5b
161	SUA: Kaktovik–Nuiqsut	96–103	Jul–Aug	A-5b
162	96–115 Summer	96–115	Jun–Aug	A-5a
163	Beaufort Muskox Habitat	97–98	Nov–May	A-5b
164	99–115 Fall	99–115	Sep–Nov	A-5b
165	102–110- Winter	102–110	Oct–Apr	A-5a
166	Arctic National Wildlife Refuge	103–111	Jan–Dec	A-5b
167	Northeast Arctic Coastal Plain IBA	103–111	May–Oct	A-5b
168	PCH Insect Relief/SUA Kaktovik	103–111	Jul–Aug	A-5b
169	PCH Calving	106–109, 112–117	May–Jun	A-5a
170	Yukon Musk Ox Wintering	111–115	Nov–Apr	A-5b
171	Ivvavik National Park (Canada)	112–117	Jan–Dec	A-5b
172	112–132 Spring	112–132	Mar–May	A-5a
173	112–121 Winter	112–121	Dec–Feb	A-5b
174	Yukon Moose	116–118	Jan–Dec	A-5b
175	Tarium Nirutait MPA	119–122,124, 127	Jan–Dec	A-5b
176	122–132 Spring	122–132	Mar–May	A-5a
177	122–132 Winter	122–132	Dec–Feb	A-5a
178	Kendall Island Bird Sanctuary (Canada)	124–125	May–Oct	A-5b
179	Tuktoyaktuk/Cape Bathurst Caribou Insect Relief	126–132	Jul–Aug	A-5a
180	Russia Chukchi Coast Marine Mammals	1–39	Jul–Nov	A-5c
181	Russia Chukchi Coast	1–39	Jan–Dec	A-5c
182	United States Chukchi Coast	40–84	Jan–Dec	A-5c
183	United States Beaufort Coast	85–111	Jan–Dec	A-5a
184	Canada Beaufort Coast	112–132	Jan–Dec	A-5a

Key: CAH: Central Arctic Herd; IBA: Important Bird Area; ID: Identification Number; NPR-A: National Petroleum Reserve-Alaska; PCH: Porcupine Caribou Herd; SUA: Subsistence Use Area; TCH: Teshekpuk Lake Caribou Herd; WAH: Western Arctic Herd

B.2 OSRA Conditional Probability Tables

Tables B.2-1 through B.2-72 represent conditional probabilities (expressed as percent chance) that a large oil spill starting at a particular location (LA or PL) will contact an ERA, LS, BS, or GLS. The tables are further organized to address conditional probabilities of different timeframes in this order: 1) annual, 2) summer, and 3) winter. Tables B.2-1 through B.2-24 represent annual conditional probabilities while Tables B.2-25 through B.2-72 represent summer and then winter conditional probabilities.) If the chance of a large spill contacting a resource area is < 0.5%, it is shown with a dash (-). Resources with a < 0.5% chance of contact from all LAs and PLs are not shown.

Tables B.2-1 through B.2-6 represent annual conditional probabilities (expressed as percent chance) that a large oil spill starting at a particular location will contact a certain ERA in 3, 10, 30, 90, 120, and 360 days, respectively.

Table B.2-1. Conditional probability of a large oil spill contacting an ERA in 3 days (annual timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	10	4	48	12	-	-	-	-	-	-	-	3	2	3	-	-
2	Point Barrow, Plover Isls.	4	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
5	Beaufort Sea Shelf Edge IBA	1	-	-	-	8	5	-	3	-	-	-	-	-	-	-	-
7	Krill Trap	6	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
8	Maguire & Flaxman Isls.	-	1	3	1	-	-	-	-	-	-	-	-	-	1	-	-
9	Stockton & McClure Isls.	-	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-
12	SUA: Nuiqsut-Colville River Delta	3	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Angun & Beaufort Lagoons	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
19	Chukchi Sea Spring Lead System	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	AK BFT Bowhead FM 8	-	-	-	6	-	-	2	-	-	-	-	-	-	-	-	-
22	AK BFT Bowhead FM 7	-	-	-	6	-	-	1	-	-	-	-	-	-	8	-	-
24	AK BFT Bowhead FM 6	-	2	-	6	-	-	-	-	-	-	-	-	-	8	-	-
25	AK BFT Bowhead FM 5	-	6	3	1	-	-	-	-	-	-	-	-	-	1	-	-
26	AK BFT Bowhead FM 4	-	7	-	-	-	-	-	-	-	-	-	-	8	-	-	-
27	AK BFT Bowhead FM 3	4	4	-	-	1	1	-	-	-	-	-	-	-	-	-	-
28	AK BFT Bowhead FM 2	7	-	-	-	-	-	-	-	-	-	-	7	-	-	-	-
29	AK BFT Bowhead FM 1	6	-	-	-	1	-	-	-	-	-	-	4	-	-	-	-
30	Beaufort Spring Lead 1	9	-	-	-	7	-	-	-	-	-	-	4	-	-	-	-
31	Beaufort Spring Lead 2	2	-	-	-	14	-	-	1	-	-	-	16	-	-	-	-
32	Beaufort Spring Lead 3	-	-	-	-	3	1	-	4	-	-	-	-	-	-	2	-
33	Beaufort Spring Lead 4	-	-	-	-	-	-	-	4	-	-	-	-	1	-	9	-
34	Beaufort Spring Lead 5	-	-	-	-	-	-	-	2	1	-	-	-	-	-	-	-
35	Beaufort Spring Lead 6	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-
36	Beaufort Spring Lead 7	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	9
37	Beaufort Spring Lead 8	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	3
41	SUA: Utqiaġvik-Chukchi	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	SUA: Utqiaġvik-East Arch	30	-	-	-	4	-	-	-	-	-	-	14	-	-	-	-
43	SUA: Nuiqsut-Cross Isl.	-	16	11	2	-	6	-	-	-	-	-	-	11	3	-	-
44	SUA: Kaktovik	-	-	-	20	-	-	5	-	-	-	-	-	-	23	-	-
45	Beaufort Spring Lead 9	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-
48	Chukchi Lead System 4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
54	Chukchi Spring Lead 3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
55	Point Barrow, Plover Isls.	8	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
61	Pont Lay–Utqiaġvik BH GW SFF	4	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
65	Smith Bay	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	Harrison Bay	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	Harrison Bay/Colville Delta	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	Simpson Lag.,Thetis & Jones Isls.	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
72	Gwyder Bay, Cottle & Return Isls.	-	1	2	-	-	-	-	-	-	-	-	-	3	-	-	-
73	Prudhoe Bay	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
75	Boulder Patch Area	-	2	44	-	-	-	-	-	-	-	-	-	-	-	-	-
77	Sagavanirktok Delta/Foggy Isl. Bay	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-
78	Mikkelsen Bay	-	-	28	-	-	-	-	-	-	-	-	-	-	-	-	-
79	Demarcation Bay Offshore	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
80	Chukchi Sea Nearshore IBA	10	-	-	-	2	-	-	-	-	-	-	2	-	-	-	-
85	Sagavanirktok River Delta	-	1	31	-	-	-	-	-	-	-	-	-	-	-	-	-
86	Harrison Bay	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
87	Colville River Delta	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
88	Simpson Lagoon	-	2	-	-	-	-	-	-	-	-	-	-	2	-	-	-
92	Thetis, Jones, Cottle & Return Isl.	-	2	2	-	-	-	-	-	-	-	-	-	4	-	-	-
93	Cross & No Name Isls.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
94	Maguire, Flaxman & Barrier Isl.	-	2	2	2	-	-	-	-	-	-	-	-	-	2	-	-
95	Arey & Barter Isls., Bernard Spit	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
96	Midway, Cross & Bartlett Isls.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
100	Jago & Tapkaurak Spits	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
103	Saffron Cod EFH	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
105	Fish Creek	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
106	Shaviovik River	-	3	72	-	-	-	-	-	-	-	-	-	-	-	-	-
108	Utqiaġvik Feeding Aggregation	11	-	-	-	2	-	-	-	-	-	-	9	-	-	-	-
109	AK BFT Shelf Edge	-	-	-	1	-	-	8	-	-	-	-	-	-	3	-	-
110	AK BFT Outer Shelf & Slope 1	-	-	-	-	-	-	11	-	6	-	-	-	-	-	-	4
111	AK BFT Outer Shelf & Slope 2	-	-	-	-	-	-	8	-	4	-	-	-	-	6	-	7
112	AK BFT Outer Shelf & Slope 3	-	-	-	-	-	1	8	-	3	-	-	-	-	1	-	1
113	AK BFT Outer Shelf & Slope 4	-	-	-	-	-	3	1	1	2	-	-	-	-	-	-	-
114	AK BFT Outer Shelf & Slope 5	-	-	-	-	-	6	-	2	-	-	-	-	7	-	3	-
115	AK BFT Outer Shelf & Slope 6	-	-	-	-	-	5	-	2	-	-	-	-	5	-	4	-
116	AK BFT Outer Shelf & Slope 7	-	-	-	-	1	3	-	5	-	-	-	-	-	-	4	-
117	AK BFT Outer Shelf & Slope 8	-	-	-	-	5	-	-	3	-	-	-	1	-	-	-	-
118	AK BFT Outer Shelf & Slope 9	-	-	-	-	8	-	-	2	-	-	-	6	-	-	-	-
119	AK BFT Outer Shelf & Slope 10	6	-	-	-	12	-	-	-	-	-	-	2	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

Table B.2-2. Conditional probability of a large oil spill contacting an ERA in 10 days (annual timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	31	25	71	39	4	5	10	-	-	-	-	18	12	22	-	-
2	Point Barrow, Plover Isls.	10	-	-	-	2	-	-	-	-	-	-	9	-	-	-	-
5	Beaufort Sea Shelf Edge IBA	3	2	-	-	10	12	-	5	-	-	-	2	6	-	5	-
7	Krill Trap	11	-	-	-	4	-	-	-	-	-	-	9	-	-	-	-
8	Maguire & Flaxman Isls.	-	2	4	4	-	-	-	-	-	-	-	-	-	5	-	-
9	Stockton & McClure Isls.	-	3	7	2	-	-	-	-	-	-	-	-	-	2	-	-
12	SUA: Nuiqsut-Colville River Delta	4	11	1	-	-	1	-	-	-	-	-	-	5	-	-	-
16	Barrow Canyon	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
17	Angun & Beaufort Lagoons	-	-	-	4	-	-	1	-	-	-	-	-	-	-	-	-
19	Chukchi Sea Spring Lead System	3	-	-	-	2	-	-	-	-	-	-	2	-	-	-	-
20	East Chukchi Offshore	2	-	-	-	3	-	-	-	-	-	-	2	-	-	-	-
21	AK BFT Bowhead FM 8	-	-	-	6	-	-	5	-	-	-	-	-	-	1	-	-
22	AK BFT Bowhead FM 7	-	-	-	7	-	-	3	-	-	-	-	-	-	9	-	-
24	AK BFT Bowhead FM 6	-	2	1	8	-	-	2	-	-	-	-	-	-	10	-	-
25	AK BFT Bowhead FM 5	-	7	5	3	-	1	1	-	-	-	-	-	1	4	-	-
26	AK BFT Bowhead FM 4	-	9	3	1	-	2	-	-	-	-	-	-	9	1	-	-
27	AK BFT Bowhead FM 3	4	7	1	-	1	3	-	-	-	-	-	-	5	-	-	-
28	AK BFT Bowhead FM 2	9	2	-	-	2	2	-	-	-	-	-	8	1	-	-	-
29	AK BFT Bowhead FM 1	9	-	-	-	3	1	-	-	-	-	-	8	-	-	-	-
30	Beaufort Spring Lead 1	11	-	-	-	11	1	-	1	-	-	-	10	-	-	-	-
31	Beaufort Spring Lead 2	5	-	-	-	16	2	-	3	-	-	-	19	1	-	1	-
32	Beaufort Spring Lead 3	1	-	-	-	5	3	-	5	-	-	-	2	2	-	5	-
33	Beaufort Spring Lead 4	-	-	-	-	1	2	-	6	1	-	-	-	2	-	10	-
34	Beaufort Spring Lead 5	-	-	-	-	-	1	-	3	3	-	-	-	1	-	1	1
35	Beaufort Spring Lead 6	-	-	-	-	-	-	1	-	6	-	-	-	-	-	-	3
36	Beaufort Spring Lead 7	-	-	-	-	-	-	1	-	7	-	-	-	-	-	-	10
37	Beaufort Spring Lead 8	-	-	-	-	-	-	-	-	7	-	1	-	-	-	-	5
41	SUA: Utqiaġvik-Chukchi	8	-	-	-	3	-	-	-	-	-	-	6	-	-	-	-
42	SUA: Utqiaġvik-East Arch	39	2	-	-	15	2	-	1	-	-	-	30	1	-	-	-
43	SUA: Nuiqsut-Cross Isl.	-	17	13	7	-	7	4	-	1	-	-	-	12	9	-	-
44	SUA: Kaktovik	-	1	-	24	-	-	14	-	1	-	-	-	-	28	-	1
45	Beaufort Spring Lead 9	-	-	-	-	-	-	-	-	5	-	1	-	-	-	-	2
47	Hanna Shoal Walrus Use Area	3	-	-	-	4	-	-	1	-	-	-	2	-	-	-	-
48	Chukchi Lead System 4	6	-	-	-	3	-	-	-	-	-	-	4	-	-	-	-
54	Chukchi Spring Lead 3	3	-	-	-	3	-	-	-	-	-	-	2	-	-	-	-
55	Point Barrow, Plover Isls.	20	1	-	-	4	1	-	-	-	-	-	17	-	-	-	-
56	Hanna Shoal Area	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
61	Pont Lay–Utqiaġvik BH GW SFF	8	-	-	-	3	-	-	-	-	-	-	6	-	-	-	-
65	Smith Bay	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
68	Harrison Bay	4	5	-	-	-	1	-	-	-	-	-	-	2	-	-	-
69	Harrison Bay/Colville Delta	2	6	-	-	-	1	-	-	-	-	-	-	3	-	-	-
71	Simpson Lag.,Thetis & Jones Isls.	-	4	1	-	-	-	-	-	-	-	-	-	4	-	-	-
72	Gwyder Bay, Cottle & Return Isls.	-	4	5	1	-	-	-	-	-	-	-	-	4	1	-	-
73	Prudhoe Bay	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-
74	Hershel Isl.	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
75	Boulder Patch Area	-	6	51	2	-	-	-	-	-	-	-	-	1	3	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
77	Sagavanirktok Delta/Foggy Isl. Bay	-	2	21	1	-	-	-	-	-	-	-	-	-	1	-	-
78	Mikkelsen Bay	-	1	29	1	-	-	-	-	-	-	-	-	-	1	-	-
79	Demarcation Bay Offshore	-	-	-	6	-	-	1	-	-	-	-	-	-	-	-	-
80	Chukchi Sea Nearshore IBA	16	-	-	-	8	1	-	-	-	-	-	12	-	-	-	-
81	Simpson Cove	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
84	Canning River Delta	-	1	1	2	-	-	-	-	-	-	-	-	-	2	-	-
85	Sagavanirktok River Delta	-	4	40	1	-	-	-	-	-	-	-	-	1	2	-	-
86	Harrison Bay	7	10	1	-	-	2	-	-	-	-	-	-	4	-	-	-
87	Colville River Delta	1	7	1	-	-	1	-	-	-	-	-	-	4	-	-	-
88	Simpson Lagoon	-	7	3	-	-	1	-	-	-	-	-	-	8	-	-	-
92	Thetis, Jones, Cottle & Return Isl.	-	9	7	1	-	1	-	-	-	-	-	-	10	1	-	-
93	Cross & No Name Isls.	-	3	3	1	-	-	-	-	-	-	-	-	1	1	-	-
94	Maguire, Flaxman & Barrier Isl.	-	3	4	7	-	-	1	-	-	-	-	-	-	8	-	-
95	Arey & Barter Isls., Bernard Spit	-	-	-	4	-	-	1	-	-	-	-	-	-	5	-	-
96	Midway, Cross & Bartlett Isls.	-	2	2	-	-	-	-	-	-	-	-	-	1	-	-	-
98	Anderson Point Barrier Isls.	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
100	Jago & Tapkaurak Spits	-	-	-	3	-	-	1	-	-	-	-	-	-	1	-	-
103	Saffron Cod EFH	6	-	-	-	2	-	-	-	-	-	-	4	-	-	-	-
105	Fish Creek	3	8	-	-	-	1	-	-	-	-	-	-	3	-	-	-
106	Shaviovik River	-	8	75	3	-	1	-	-	-	-	-	-	1	5	-	-
108	Utqiaġvik Feeding Aggregation	13	1	-	-	6	1	-	-	-	-	-	12	1	-	-	-
109	AK BFT Shelf Edge	-	-	-	2	-	-	10	-	1	-	-	-	-	4	-	-
110	AK BFT Outer Shelf & Slope 1	-	-	-	1	-	-	13	-	8	-	-	-	-	1	-	6
111	AK BFT Outer Shelf & Slope 2	-	-	-	2	-	-	12	-	7	-	-	-	-	8	-	9
112	AK BFT Outer Shelf & Slope 3	-	-	-	2	-	1	12	-	6	-	-	-	-	5	-	4
113	AK BFT Outer Shelf & Slope 4	-	1	-	1	-	5	4	1	5	-	-	-	1	1	-	1
114	AK BFT Outer Shelf & Slope 5	-	1	-	-	-	8	1	2	2	-	-	-	9	-	3	-
115	AK BFT Outer Shelf & Slope 6	-	1	-	-	-	9	-	4	1	-	-	-	8	-	7	-
116	AK BFT Outer Shelf & Slope 7	1	1	-	-	2	7	-	8	-	-	-	1	4	-	10	-
117	AK BFT Outer Shelf & Slope 8	1	-	-	-	7	3	-	7	-	-	-	2	2	-	5	-
118	AK BFT Outer Shelf & Slope 9	1	-	-	-	11	1	-	5	-	-	-	8	-	-	2	-
119	AK BFT Outer Shelf & Slope 10	10	-	-	-	19	1	-	2	-	-	-	12	-	-	-	-
122	Bowhead Fall (Canada)	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-

Table B.2-3. Conditional probability of a large oil spill contacting an ERA in 30 days (annual timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	50	55	84	68	16	30	41	4	9	-	-	34	39	54	4	5
2	Point Barrow, Plover Isls.	16	3	-	-	6	4	-	1	-	-	-	15	4	-	1	-
5	Beaufort Sea Shelf Edge IBA	6	7	1	1	12	21	3	9	4	-	-	5	14	2	8	2
6	Hanna Shoal	4	-	-	-	6	1	-	2	-	-	-	4	1	-	1	-
7	Krill Trap	16	3	-	-	8	4	-	2	-	-	-	15	3	-	1	-
8	Maguire & Flaxman Isls.	-	3	4	7	-	1	3	-	1	-	-	-	-	10	-	-
9	Stockton & McClure Isls.	-	4	8	4	-	1	2	-	-	-	-	-	1	5	-	-
12	SUA: Nuiqsut-Colville River Delta	5	15	3	2	-	5	2	-	1	-	-	-	10	3	-	-
16	Barrow Canyon	3	-	-	-	3	-	-	1	-	-	-	2	-	-	-	-
17	Angun & Beaufort Lagoons	-	-	-	5	-	-	3	-	-	-	-	-	-	1	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
19	Chukchi Sea Spring Lead System	4	-	-	-	4	1	-	1	-	-	-	4	-	-	1	-
20	East Chukchi Offshore	4	-	-	-	8	2	-	3	-	-	-	6	1	-	2	-
21	AK BFT Bowhead FM 8	-	-	-	7	-	-	6	-	1	-	-	-	-	1	-	-
22	AK BFT Bowhead FM 7	-	-	-	8	-	-	5	-	1	-	-	-	-	10	-	1
23	Polar Bear Offshore	1	-	-	-	3	-	-	1	-	-	-	1	-	-	-	-
24	AK BFT Bowhead FM 6	-	2	1	9	-	-	4	-	1	-	-	-	-	12	-	1
25	AK BFT Bowhead FM 5	-	7	5	5	-	2	3	-	1	-	-	-	1	7	-	1
26	AK BFT Bowhead FM 4	-	11	4	3	-	3	2	-	1	-	-	-	10	4	-	1
27	AK BFT Bowhead FM 3	4	10	2	2	1	7	2	-	1	-	-	-	8	2	1	-
28	AK BFT Bowhead FM 2	9	5	1	1	2	6	1	1	-	-	-	8	6	1	1	-
29	AK BFT Bowhead FM 1	11	3	-	-	5	5	1	1	-	-	-	10	4	1	1	-
30	Beaufort Spring Lead 1	13	2	-	-	14	3	-	3	-	-	-	14	2	-	2	-
31	Beaufort Spring Lead 2	7	2	-	-	18	5	-	6	1	-	-	20	4	-	5	-
32	Beaufort Spring Lead 3	2	2	-	-	7	6	1	8	2	-	1	4	4	-	7	1
33	Beaufort Spring Lead 4	1	1	-	-	2	4	1	7	4	-	1	1	4	1	11	2
34	Beaufort Spring Lead 5	-	1	-	-	-	3	1	4	6	-	1	-	2	-	3	3
35	Beaufort Spring Lead 6	-	1	-	-	-	2	1	1	9	-	2	-	2	1	1	5
36	Beaufort Spring Lead 7	-	-	-	-	-	1	1	-	9	-	2	-	1	1	-	12
37	Beaufort Spring Lead 8	-	-	-	-	-	-	1	-	10	-	3	-	-	1	-	8
40	SUA: Icy Cape-Wainwright	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
41	SUA: Utqiaġvik-Chukchi	14	2	-	-	10	3	-	2	-	-	-	13	2	-	1	-
42	SUA: Utqiaġvik-East Arch	46	9	1	1	26	15	1	6	1	-	-	42	11	1	5	-
43	SUA: Nuiqsut-Cross Isl.	-	18	13	11	-	9	11	-	3	-	-	-	13	16	-	2
44	SUA: Kaktovik	-	2	1	27	-	1	19	-	4	-	-	-	1	30	-	2
45	Beaufort Spring Lead 9	-	-	-	-	-	-	1	-	7	-	4	-	-	-	-	5
47	Hanna Shoal Walrus Use Area	11	1	-	-	19	3	-	8	-	1	-	13	2	-	3	-
48	Chukchi Lead System 4	10	1	-	-	8	2	-	1	-	-	-	9	1	-	1	-
54	Chukchi Spring Lead 3	5	1	-	-	6	1	-	2	-	-	-	5	1	-	1	-
55	Point Barrow, Plover Isls.	29	5	1	-	11	7	-	2	-	-	-	29	6	1	2	-
56	Hanna Shoal Area	4	-	-	-	7	1	-	2	-	-	-	5	1	-	1	-
61	Pont Lay–Utqiaġvik BH GW SFF	12	2	-	-	7	4	-	1	-	-	-	11	2	-	1	-
64	Peard Bay/Franklin Spit Area	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
65	Smith Bay	4	1	-	-	1	2	-	-	-	-	-	2	1	-	-	-
67	Herschel Island (Canada)	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
68	Harrison Bay	4	10	2	1	-	4	1	-	-	-	-	-	7	1	-	-
69	Harrison Bay/Colville Delta	2	9	2	1	-	3	1	-	-	-	-	-	6	2	-	-
70	North Central Chukchi	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
71	Simpson Lag.,Thetis & Jones Isls.	-	6	3	1	-	2	1	-	-	-	-	-	6	2	-	-
72	Gwyder Bay, Cottle & Return Isls.	-	6	7	3	-	2	2	-	1	-	-	-	6	4	-	-
73	Prudhoe Bay	-	1	2	1	-	-	-	-	-	-	-	-	1	1	-	-
74	Hershel Isl.	-	-	-	2	-	-	2	-	1	-	-	-	-	1	-	-
75	Boulder Patch Area	-	8	52	6	-	2	3	-	1	-	-	-	2	8	-	-
76	Kendall Isl. Bird Sanctuary (Canda)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
77	Sagavanirktok Delta/Foggy Isl. Bay	-	3	22	3	-	1	2	-	-	-	-	-	1	4	-	-
78	Mikkelsen Bay	-	2	29	2	-	-	1	-	-	-	-	-	-	2	-	-
79	Demarcation Bay Offshore	-	-	-	7	-	-	4	-	1	-	-	-	-	1	-	-
80	Chukchi Sea Nearshore IBA	21	3	-	-	15	6	1	3	-	-	-	20	4	-	2	-
81	Simpson Cove	-	-	-	1	-	-	1	-	-	-	-	-	-	2	-	-
84	Canning River Delta	-	1	1	3	-	-	1	-	-	-	-	-	-	3	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
85	Sagavanirktok River Delta	-	6	42	5	-	2	3	-	1	-	-	-	2	7	-	-
86	Harrison Bay	9	18	3	2	1	7	2	1	1	-	-	1	12	2	1	-
87	Colville River Delta	1	10	2	1	-	3	1	-	-	-	-	-	7	2	-	-
88	Simpson Lagoon	1	11	5	2	-	4	2	-	1	-	-	-	11	3	-	-
89	Mackenzie River Delta	-	-	-	1	-	-	2	-	1	-	-	-	-	-	-	-
91	Bowhead Whale Summer (Canada)	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
92	Thetis, Jones, Cottle & Return Isl.	1	15	9	4	-	5	3	-	1	-	-	-	14	6	-	1
93	Cross & No Name Isls.	-	4	4	2	-	1	1	-	-	-	-	-	2	3	-	-
94	Maguire, Flaxman & Barrier Isl.	-	5	5	12	-	1	5	-	1	-	-	-	1	15	-	1
95	Arey & Barter Isls., Bernard Spit	-	1	1	7	-	-	4	-	1	-	-	-	-	8	-	-
96	Midway, Cross & Bartlett Isls.	-	3	3	2	-	1	1	-	-	-	-	-	1	2	-	-
98	Anderson Point Barrier Isls.	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	3	-	-	2	-	-	-	-	-	-	3	-	-
100	Jago & Tapkaurak Spits	-	-	-	4	-	-	3	-	1	-	-	-	-	2	-	-
103	Saffron Cod EFH	11	1	-	-	8	2	-	2	-	-	-	9	2	-	1	-
105	Fish Creek	4	12	2	1	-	4	1	-	-	-	-	-	7	2	-	-
106	Shaviovik River	-	10	75	8	-	2	4	-	1	-	-	-	3	11	-	1
108	Utqiaġvik Feeding Aggregation	15	4	-	1	9	7	1	2	-	-	-	14	6	1	2	-
109	AK BFT Shelf Edge	-	-	-	4	-	-	11	-	2	-	-	-	-	5	-	1
110	AK BFT Outer Shelf & Slope 1	-	-	-	3	-	-	15	-	11	-	1	-	-	3	-	7
111	AK BFT Outer Shelf & Slope 2	-	1	-	4	-	1	15	-	11	-	-	-	-	10	-	11
112	AK BFT Outer Shelf & Slope 3	-	1	1	4	-	3	16	-	10	-	-	-	1	8	-	8
113	AK BFT Outer Shelf & Slope 4	-	2	1	2	-	7	7	2	10	-	-	-	3	4	1	6
114	AK BFT Outer Shelf & Slope 5	-	3	1	2	-	10	4	3	6	-	-	-	11	3	3	4
115	AK BFT Outer Shelf & Slope 6	1	4	1	1	1	13	3	6	5	-	-	1	12	2	8	3
116	AK BFT Outer Shelf & Slope 7	2	3	-	1	3	12	2	12	5	-	1	2	8	1	13	2
117	AK BFT Outer Shelf & Slope 8	3	3	-	-	9	9	1	11	3	-	1	5	6	-	10	1
118	AK BFT Outer Shelf & Slope 9	3	1	-	-	14	4	-	9	2	-	-	12	3	-	8	1
119	AK BFT Outer Shelf & Slope 10	16	2	-	-	27	7	-	7	1	-	-	20	5	-	5	-
122	Bowhead Fall (Canada)	-	-	-	1	-	-	3	-	1	-	-	-	-	-	-	-

Table B.2-4. Conditional probability of a large oil spill contacting an ERA in 90 days (annual timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	58	67	88	81	29	47	65	15	30	3	7	44	55	71	13	21
2	Point Barrow, Plover Isls.	17	5	1	1	7	8	2	3	2	-	-	17	6	1	3	1
5	Beaufort Sea Shelf Edge IBA	7	9	2	3	13	23	6	10	10	-	3	7	16	4	10	7
6	Hanna Shoal	7	1	-	-	10	3	-	5	1	1	-	8	2	-	3	1
7	Krill Trap	17	4	1	1	10	7	2	3	2	-	-	16	6	1	3	1
8	Maguire & Flaxman Isls.	-	3	4	8	-	1	4	-	1	-	-	-	1	10	-	1
9	Stockton & McClure Isls.	-	4	8	4	-	1	3	-	1	-	-	-	1	6	-	1
11	Wrangel Isl. 12 nmi & Offshore	2	-	-	-	6	1	-	3	-	3	-	3	-	-	2	-
12	SUA: Nuiqsut-Colville River Delta	5	16	3	3	1	7	4	1	2	-	-	1	11	5	1	2
16	Barrow Canyon	4	1	-	-	4	1	-	1	-	-	-	3	1	-	1	-
17	Angun & Beaufort Lagoons	-	-	-	5	-	-	3	-	1	-	-	-	-	1	-	-
18	Murre Rearing & Molting Area	1	-	-	-	2	-	-	1	-	-	-	1	-	-	1	-
19	Chukchi Sea Spring Lead System	5	1	-	-	5	1	-	2	1	-	-	4	1	-	2	-
20	East Chukchi Offshore	5	1	-	-	9	3	1	5	2	-	1	7	2	-	4	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
21	AK BFT Bowhead FM 8	-	-	-	7	-	-	6	-	1	-	-	-	-	1	-	1
22	AK BFT Bowhead FM 7	-	-	-	8	-	-	6	-	1	-	-	-	-	10	-	1
23	Polar Bear Offshore	3	-	-	-	6	1	-	3	-	1	-	4	1	-	2	-
24	AK BFT Bowhead FM 6	-	3	1	10	-	-	5	-	2	-	-	-	-	12	-	1
25	AK BFT Bowhead FM 5	-	8	5	6	-	2	4	-	2	-	-	-	1	8	-	1
26	AK BFT Bowhead FM 4	-	11	4	4	-	4	4	-	2	-	-	-	10	5	-	2
27	AK BFT Bowhead FM 3	4	11	3	2	1	7	4	1	3	-	-	-	9	3	1	2
28	AK BFT Bowhead FM 2	9	6	1	1	2	7	2	1	2	-	-	9	7	2	1	2
29	AK BFT Bowhead FM 1	11	4	1	1	5	7	2	2	2	-	-	10	6	1	2	1
30	Beaufort Spring Lead 1	14	2	1	1	15	4	1	5	2	-	1	14	3	1	4	1
31	Beaufort Spring Lead 2	7	3	1	1	19	6	2	8	3	-	2	21	5	2	6	2
32	Beaufort Spring Lead 3	3	3	-	1	8	7	2	9	4	-	2	5	5	2	8	3
33	Beaufort Spring Lead 4	2	2	-	1	3	5	2	8	6	-	3	2	5	1	11	4
34	Beaufort Spring Lead 5	1	2	-	-	1	4	1	5	7	-	3	-	4	1	4	5
35	Beaufort Spring Lead 6	-	2	-	-	-	3	2	2	10	-	3	-	3	1	2	7
36	Beaufort Spring Lead 7	-	1	-	-	-	2	2	1	11	-	4	-	2	1	1	14
37	Beaufort Spring Lead 8	-	1	-	-	-	1	1	1	11	-	5	-	1	1	-	9
40	SUA: Icy Cape-Wainwright	2	-	-	-	3	-	-	1	-	-	-	2	-	-	1	-
41	SUA: Utqiaġvik-Chukchi	16	4	1	1	13	6	1	4	1	-	-	15	4	1	3	1
42	SUA: Utqiaġvik-East Arch	47	12	2	2	29	21	4	11	7	-	2	43	17	4	10	4
43	SUA: Nuiqsut-Cross Isl.	-	18	13	12	-	9	13	-	6	-	-	-	13	17	-	4
44	SUA: Kaktovik	-	2	2	27	-	2	20	-	6	-	1	-	2	30	-	4
45	Beaufort Spring Lead 9	-	1	-	1	-	1	1	1	9	-	8	-	1	1	-	7
46	Wrangel Isl. 12 nmi Buffer 2	1	-	-	-	2	-	-	1	-	2	-	1	-	-	1	-
47	Hanna Shoal Walrus Use Area	14	3	-	-	27	7	1	17	3	3	2	19	5	1	12	2
48	Chukchi Lead System 4	12	3	-	1	11	4	1	3	1	-	-	12	3	1	2	-
49	Chukchi Spring Lead 1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
50	Pt. Lay Walrus	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
52	Russian Coast Walrus Offshore	1	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-
53	Chukchi Spring Lead 2	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
54	Chukchi Spring Lead 3	6	1	-	-	8	2	-	3	1	-	-	6	2	-	2	-
55	Point Barrow, Plover Isls.	32	9	2	1	14	13	2	5	3	-	1	31	11	2	5	2
56	Hanna Shoal Area	6	1	-	-	12	3	-	7	1	2	1	8	2	-	5	1
57	Skull Cliffs	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
61	Pont Lay–Utqiaġvik BH GW SFF	13	3	1	1	9	6	1	2	2	-	-	12	5	1	2	1
62	Herald Shoal Polynya 2	1	-	-	-	2	-	-	1	-	1	-	1	-	-	1	-
63	North Chukchi	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
64	Peard Bay/Franklin Spit Area	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
65	Smith Bay	5	2	1	-	1	3	1	1	1	-	-	2	2	-	1	-
66	Herald Island	-	-	-	-	1	-	-	1	-	1	-	1	-	-	1	-
67	Herschel Island (Canada)	-	-	-	1	-	-	1	-	1	-	-	-	-	1	-	1
68	Harrison Bay	5	11	2	2	-	5	3	-	2	-	-	-	8	3	-	2
69	Harrison Bay/Colville Delta	2	10	2	2	-	4	2	-	2	-	-	-	6	3	-	1
70	North Central Chukchi	2	-	-	-	3	1	-	2	-	1	-	2	-	-	1	-
71	Simpson Lag.,Thetis & Jones Isls.	-	6	3	2	-	3	2	-	1	-	-	-	6	3	-	1
72	Gwyder Bay, Cottle & Return Isls.	-	7	7	3	-	2	3	-	2	-	-	-	6	5	-	1
73	Prudhoe Bay	-	1	2	1	-	-	1	-	-	-	-	-	1	1	-	-
74	Hershel Isl.	-	-	-	2	-	-	3	-	2	-	-	-	-	1	-	1
75	Boulder Patch Area	-	8	52	7	-	3	5	-	2	-	-	-	3	10	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
76	Kendall Isl. Bird Sanctuary (Canda)	-	-	-	1	-	-	2	-	1	-	1	-	-	1	-	1
77	Sagavanirktok Delta/Foggy Isl. Bay	-	3	22	3	-	1	2	-	1	-	-	-	1	4	-	1
78	Mikkelsen Bay	-	2	29	2	-	-	1	-	-	-	-	-	-	3	-	-
79	Demarcation Bay Offshore	-	-	-	7	-	-	4	-	1	-	-	-	-	1	-	1
80	Chukchi Sea Nearshore IBA	23	5	1	1	17	10	2	6	3	-	1	21	8	2	5	2
81	Simpson Cove	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
82	North Chukotka Nearshore 2	1	-	-	-	3	-	-	1	-	1	-	2	-	-	1	-
83	North Chukotka Nearshore 3	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
84	Canning River Delta	-	1	1	3	-	-	1	-	-	-	-	-	-	4	-	-
85	Sagavanirktok River Delta	-	7	42	6	-	2	4	-	2	-	-	-	3	8	-	1
86	Harrison Bay	9	20	4	4	1	10	5	1	3	-	-	1	14	6	1	2
87	Colville River Delta	1	11	2	2	-	4	3	-	2	-	-	1	8	3	1	1
88	Simpson Lagoon	1	12	5	4	-	5	4	1	2	-	-	1	12	5	1	2
89	Mackenzie River Delta	-	-	-	2	-	-	3	-	2	-	1	-	-	1	-	2
91	Bowhead Whale Summer (Canada)	-	-	-	1	-	-	2	-	3	-	2	-	-	1	-	3
92	Thetis, Jones, Cottle & Return Isl.	1	16	10	6	-	7	6	1	3	-	-	-	16	8	1	2
93	Cross & No Name Isls.	-	5	4	3	-	1	2	-	1	-	-	-	2	3	-	1
94	Maguire, Flaxman & Barrier Isl.	-	6	5	13	-	2	7	-	2	-	-	-	1	16	-	2
95	Arey & Barter Isls., Bernard Spit	-	1	1	7	-	1	5	-	2	-	-	-	1	8	-	1
96	Midway, Cross & Bartlett Isls.	-	3	3	2	-	1	2	-	1	-	-	-	2	2	-	-
98	Anderson Point Barrier Isls.	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	3	-	-	2	-	1	-	-	-	-	3	-	-
100	Jago & Tapkaurak Spits	-	-	-	4	-	-	3	-	1	-	-	-	-	2	-	1
101	Offshore Herald Isl./Hope Sea Valley	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
103	Saffron Cod EFH	14	3	1	-	12	5	1	4	1	-	-	13	4	1	3	1
104	Ledyard Bay-Icy Cape IBA	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
105	Fish Creek	4	14	2	2	1	5	3	1	2	-	-	1	8	4	1	1
106	Shaviovik River	-	11	75	9	-	3	6	-	3	-	-	-	3	13	-	2
108	Utqiaġvik Feeding Aggregation	15	6	1	1	9	9	3	3	3	-	1	15	8	2	3	2
109	AK BFT Shelf Edge	-	-	-	4	-	1	12	-	3	-	-	-	-	6	-	2
110	AK BFT Outer Shelf & Slope 1	-	1	-	3	-	1	16	-	13	-	2	-	-	4	-	9
111	AK BFT Outer Shelf & Slope 2	-	1	1	5	-	2	16	1	13	-	2	-	1	11	-	13
112	AK BFT Outer Shelf & Slope 3	-	2	1	5	-	3	17	1	12	-	1	-	2	10	1	9
113	AK BFT Outer Shelf & Slope 4	-	3	2	4	-	8	9	2	12	-	2	-	4	6	1	8
114	AK BFT Outer Shelf & Slope 5	-	4	2	3	-	11	6	3	9	-	1	-	12	4	4	6
115	AK BFT Outer Shelf & Slope 6	2	5	2	2	2	14	5	6	9	-	2	1	13	4	9	6
116	AK BFT Outer Shelf & Slope 7	3	5	1	2	4	14	4	13	11	-	4	4	11	3	14	8
117	AK BFT Outer Shelf & Slope 8	4	5	1	1	10	12	3	13	9	-	3	6	9	2	12	6
118	AK BFT Outer Shelf & Slope 9	4	3	1	1	15	7	1	11	6	-	2	13	5	1	9	4
119	AK BFT Outer Shelf & Slope 10	18	5	1	1	29	11	2	11	5	-	2	22	8	2	9	3
122	Bowhead Fall (Canada)	-	-	-	2	-	-	3	-	2	-	-	-	-	1	-	1

Table B.2-5. Conditional probability of a large oil spill contacting an ERA in 120 days (annual timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	59	68	88	81	30	47	65	15	31	4	7	45	55	71	13	21
2	Point Barrow, Plover Isls.	17	5	1	1	7	8	2	3	2	-	-	17	6	1	3	1
5	Beaufort Sea Shelf Edge IBA	7	9	2	3	13	23	6	10	10	-	3	7	16	4	10	7

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
6	Hanna Shoal	7	1	-	-	10	3	-	5	1	1	-	8	2	-	3	1
7	Krill Trap	17	4	1	1	10	7	2	3	2	-	-	16	6	1	3	1
8	Maguire & Flaxman Isls.	-	3	4	8	-	1	4	-	1	-	-	-	1	10	-	1
9	Stockton & McClure Isls.	-	4	8	4	-	1	3	-	1	-	-	-	1	6	-	1
11	Wrangel Isl. 12 nmi & Offshore	2	-	-	-	6	1	-	4	-	3	-	3	1	-	3	-
12	SUA: Nuiqsut-Colville River Delta	5	16	3	3	1	7	4	1	2	-	-	1	11	5	1	2
15	Cape Lisburne Seabird Area	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
16	Barrow Canyon	4	1	-	-	4	1	-	1	-	-	-	3	1	-	1	-
17	Angun & Beaufort Lagoons	-	-	-	5	-	-	3	-	1	-	-	-	-	1	-	-
18	Murre Rearing & Molting Area	1	-	-	-	2	-	-	1	-	1	-	1	-	-	1	-
19	Chukchi Sea Spring Lead System	5	1	-	-	6	1	-	2	1	-	-	4	1	-	2	-
20	East Chukchi Offshore	5	1	-	-	9	3	1	5	2	-	1	7	2	-	4	1
21	AK BFT Bowhead FM 8	-	-	-	7	-	-	6	-	1	-	-	-	-	1	-	1
22	AK BFT Bowhead FM 7	-	-	-	8	-	-	6	-	1	-	-	-	-	10	-	1
23	Polar Bear Offshore	3	-	-	-	6	1	-	3	-	1	-	4	1	-	2	-
24	AK BFT Bowhead FM 6	-	3	1	10	-	-	5	-	2	-	-	-	-	12	-	1
25	AK BFT Bowhead FM 5	-	8	5	6	-	2	4	-	2	-	-	-	1	8	-	1
26	AK BFT Bowhead FM 4	-	11	4	4	-	4	4	-	2	-	-	-	10	5	-	2
27	AK BFT Bowhead FM 3	4	11	3	2	1	7	4	1	3	-	-	-	9	3	1	2
28	AK BFT Bowhead FM 2	9	6	1	1	2	7	2	1	2	-	-	9	7	2	1	2
29	AK BFT Bowhead FM 1	11	4	1	1	5	7	2	2	2	-	-	10	6	1	2	1
30	Beaufort Spring Lead 1	14	2	1	1	15	4	1	5	2	-	1	14	3	1	4	1
31	Beaufort Spring Lead 2	7	3	1	1	19	6	2	8	3	-	2	21	5	2	6	2
32	Beaufort Spring Lead 3	3	3	-	1	8	7	2	9	4	-	2	5	5	2	8	3
33	Beaufort Spring Lead 4	2	2	-	1	3	5	2	8	6	-	3	2	5	1	11	4
34	Beaufort Spring Lead 5	1	2	-	-	1	4	1	5	7	-	3	-	4	1	4	5
35	Beaufort Spring Lead 6	-	2	-	-	-	3	2	2	10	-	3	-	3	1	2	7
36	Beaufort Spring Lead 7	-	1	-	-	-	2	2	1	11	-	4	-	2	1	1	14
37	Beaufort Spring Lead 8	-	1	-	-	-	1	1	1	11	-	5	-	1	1	-	9
40	SUA: Icy Cape-Wainwright	2	-	-	-	3	-	-	1	-	-	-	2	-	-	1	-
41	SUA: Utqiaġvik-Chukchi	16	4	1	1	13	6	1	4	1	-	-	15	4	1	3	1
42	SUA: Utqiaġvik-East Arch	47	12	2	2	29	21	4	11	7	-	2	43	17	4	10	4
43	SUA: Nuiqsut-Cross Isl.	-	18	13	12	-	9	13	-	6	-	-	-	13	17	-	4
44	SUA: Kaktovik	-	2	2	27	-	2	20	-	6	-	1	-	2	30	-	4
45	Beaufort Spring Lead 9	-	1	-	1	-	1	1	1	9	-	8	-	1	1	-	7
46	Wrangel Isl. 12 nmi Buffer 2	1	-	-	-	2	-	-	1	-	2	-	1	-	-	1	-
47	Hanna Shoal Walrus Use Area	14	3	-	-	27	7	1	17	3	3	2	19	5	1	12	2
48	Chukchi Lead System 4	12	3	-	1	11	4	1	3	1	-	-	12	3	1	2	-
49	Chukchi Spring Lead 1	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
50	Pt. Lay Walrus	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
52	Russian Coast Walrus Offshore	1	-	-	-	2	-	-	1	-	-	-	1	-	-	1	-
53	Chukchi Spring Lead 2	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
54	Chukchi Spring Lead 3	6	1	-	-	8	2	-	3	1	-	-	6	2	-	2	-
55	Point Barrow, Plover Isls.	32	9	2	1	14	13	2	5	3	-	1	31	11	2	5	2
56	Hanna Shoal Area	7	1	-	-	12	3	-	7	1	2	1	8	2	-	5	1
57	Skull Cliffs	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
58	Russian Coast Walrus Nearshore	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
61	Pont Lay–Utqiaġvik BH GW SFF	13	3	1	1	9	6	1	2	2	-	-	12	5	1	2	1
62	Herald Shoal Polynya 2	1	-	-	-	2	-	-	1	-	1	-	1	-	-	1	-
63	North Chukchi	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
64	Peard Bay/Franklin Spit Area	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
65	Smith Bay	5	2	1	-	1	3	1	1	1	-	-	2	2	-	1	-
66	Herald Island	-	-	-	-	1	-	-	1	-	1	-	1	-	-	1	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
67	Herschel Island (Canada)	-	-	-	1	-	-	1	-	1	-	-	-	-	1	-	1
68	Harrison Bay	5	11	2	2	-	5	3	-	2	-	-	-	8	3	-	2
69	Harrison Bay/Colville Delta	2	10	2	2	-	4	2	-	2	-	-	-	6	3	-	1
70	North Central Chukchi	2	-	-	-	3	1	-	2	-	1	-	2	-	-	1	-
71	Simpson Lag.,Thetis & Jones Isls.	-	6	3	2	-	3	2	-	1	-	-	-	6	3	-	1
72	Gwyder Bay, Cottle & Return Isls.	-	7	7	3	-	2	3	-	2	-	-	-	6	5	-	1
73	Prudhoe Bay	-	1	2	1	-	-	1	-	-	-	-	-	1	1	-	-
74	Hershel Isl.	-	-	-	2	-	-	3	-	2	-	1	-	-	1	-	1
75	Boulder Patch Area	-	8	52	7	-	3	5	-	2	-	-	-	3	10	-	1
76	Kendall Isl. Bird Sanctuary (Canda)	-	-	-	1	-	-	2	-	1	-	1	-	-	1	-	1
77	Sagavanirktok Delta/Foggy Isl. Bay	-	3	22	3	-	1	2	-	1	-	-	-	1	4	-	1
78	Mikkelsen Bay	-	2	29	2	-	-	1	-	-	-	-	-	-	3	-	-
79	Demarcation Bay Offshore	-	-	-	7	-	-	4	-	1	-	-	-	-	1	-	1
80	Chukchi Sea Nearshore IBA	23	5	1	1	17	10	2	6	3	-	1	21	8	2	5	2
81	Simpson Cove	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
82	North Chukotka Nearshore 2	2	-	-	-	3	1	-	2	-	1	-	2	1	-	1	-
83	North Chukotka Nearshore 3	1	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-
84	Canning River Delta	-	1	1	3	-	-	1	-	-	-	-	-	-	4	-	-
85	Sagavanirktok River Delta	-	7	42	6	-	2	4	-	2	-	-	-	3	8	-	1
86	Harrison Bay	9	20	4	4	1	10	5	1	3	-	-	1	14	6	1	2
87	Colville River Delta	1	11	2	2	-	4	3	-	2	-	-	1	8	3	1	1
88	Simpson Lagoon	1	12	5	4	-	5	4	1	2	-	-	1	12	5	1	2
89	Mackenzie River Delta	-	-	-	2	-	-	3	-	2	-	1	-	-	1	-	2
91	Bowhead Whale Summer (Canada)	-	-	-	1	-	-	2	-	3	-	2	-	-	1	-	3
92	Thetis, Jones, Cottle & Return Isl.	1	16	10	6	-	7	6	1	3	-	-	-	16	8	1	2
93	Cross & No Name Isls.	-	5	4	3	-	1	2	-	1	-	-	-	2	3	-	1
94	Maguire, Flaxman & Barrier Isl.	-	6	5	13	-	2	7	-	2	-	-	-	1	16	-	2
95	Arey & Barter Isls., Bernard Spit	-	1	1	7	-	1	5	-	2	-	-	-	1	8	-	1
96	Midway, Cross & Bartlett Isls.	-	3	3	2	-	1	2	-	1	-	-	-	2	2	-	-
98	Anderson Point Barrier Isls.	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	3	-	-	2	-	1	-	-	-	-	3	-	-
100	Jago & Tapkaurak Spits	-	-	-	4	-	-	3	-	1	-	-	-	-	2	-	1
101	Offshore Herald Isl./Hope Sea Valley	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
102	Opilio Crab EFH	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
103	Saffron Cod EFH	14	3	1	-	13	5	1	4	1	-	-	13	4	1	3	1
104	Ledyard Bay-Icy Cape IBA	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
105	Fish Creek	4	14	2	2	1	5	3	1	2	-	-	1	8	4	1	1
106	Shaviovik River	-	11	75	9	-	3	6	-	3	-	-	-	3	13	-	2
107	Point Hope Offshore	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
108	Utqiaġvik Feeding Aggregation	15	6	1	1	9	9	3	3	3	-	1	15	8	2	3	2
109	AK BFT Shelf Edge	-	-	-	4	-	1	12	-	3	-	-	-	-	6	-	2
110	AK BFT Outer Shelf & Slope 1	-	1	-	3	-	1	16	-	13	-	2	-	-	4	-	9
111	AK BFT Outer Shelf & Slope 2	-	1	1	5	-	2	16	1	13	-	2	-	1	11	-	13
112	AK BFT Outer Shelf & Slope 3	-	2	1	5	-	3	17	1	12	-	1	-	2	10	1	9
113	AK BFT Outer Shelf & Slope 4	-	3	2	4	-	8	9	2	12	-	2	-	4	6	1	8
114	AK BFT Outer Shelf & Slope 5	-	4	2	3	-	11	6	3	9	-	1	-	12	4	4	6
115	AK BFT Outer Shelf & Slope 6	2	5	2	2	2	14	5	6	9	-	2	1	13	4	9	6
116	AK BFT Outer Shelf & Slope 7	3	5	1	2	4	14	4	13	11	-	4	4	11	3	14	8
117	AK BFT Outer Shelf & Slope 8	4	5	1	1	10	12	3	13	9	-	3	6	9	2	12	6
118	AK BFT Outer Shelf & Slope 9	4	3	1	1	15	7	1	11	6	-	2	13	5	1	9	4
119	AK BFT Outer Shelf & Slope 10	18	5	1	1	29	11	2	11	5	-	2	22	8	2	9	3
121	Cape Lisburne–Pt. Hope	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
122	Bowhead Fall (Canada)	-	-	-	2	-	-	3	-	2	-	-	-	-	1	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

Table B.2-6. Conditional probability of a large oil spill contacting an ERA in 360 days (annual timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	59	68	88	81	30	47	65	15	31	4	7	45	55	71	13	21
2	Point Barrow, Plover Isls.	17	5	1	1	7	8	2	3	2	-	-	17	6	1	3	1
3	SUA: Enurmino-Neshkan/Russia	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
5	Beaufort Sea Shelf Edge IBA	7	9	2	3	13	23	6	10	10	-	3	7	16	4	10	7
6	Hanna Shoal	7	1	-	-	10	3	-	5	1	1	-	8	2	-	3	1
7	Krill Trap	17	4	1	1	10	7	2	3	2	-	-	16	6	1	3	1
8	Maguire & Flaxman Isls.	-	3	4	8	-	1	4	-	1	-	-	-	1	10	-	1
9	Stockton & McClure Isls.	-	4	8	4	-	1	3	-	1	-	-	-	1	6	-	1
11	Wrangel Isl. 12 nmi & Offshore	2	-	-	-	6	1	-	4	-	4	-	3	1	-	3	-
12	SUA: Nuiqsut-Colville River Delta	5	16	3	3	1	7	4	1	2	-	-	1	11	5	1	2
15	Cape Lisburne Seabird Area	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
16	Barrow Canyon	4	1	-	-	4	1	-	1	-	-	-	3	1	-	1	-
17	Angun & Beaufort Lagoons	-	-	-	5	-	-	3	-	1	-	-	-	-	1	-	-
18	Murre Rearing & Molting Area	1	-	-	-	2	-	-	1	-	1	-	1	-	-	1	-
19	Chukchi Sea Spring Lead System	5	1	-	-	6	1	-	2	1	-	-	5	1	-	2	-
20	East Chukchi Offshore	5	1	-	-	9	3	1	5	2	-	1	7	2	-	4	1
21	AK BFT Bowhead FM 8	-	-	-	7	-	-	6	-	1	-	-	-	-	1	-	1
22	AK BFT Bowhead FM 7	-	-	-	8	-	-	6	-	1	-	-	-	-	10	-	1
23	Polar Bear Offshore	3	-	-	-	6	1	-	3	-	1	-	4	1	-	2	-
24	AK BFT Bowhead FM 6	-	3	1	10	-	-	5	-	2	-	-	-	-	12	-	1
25	AK BFT Bowhead FM 5	-	8	5	6	-	2	4	-	2	-	-	-	1	8	-	1
26	AK BFT Bowhead FM 4	-	11	4	4	-	4	4	-	2	-	-	-	10	5	-	2
27	AK BFT Bowhead FM 3	4	11	3	2	1	7	4	1	3	-	-	-	9	3	1	2
28	AK BFT Bowhead FM 2	9	6	1	1	2	7	2	1	2	-	-	9	7	2	1	2
29	AK BFT Bowhead FM 1	11	4	1	1	5	7	2	2	2	-	-	10	6	1	2	1
30	Beaufort Spring Lead 1	14	2	1	1	15	4	1	5	2	-	1	14	3	1	4	1
31	Beaufort Spring Lead 2	7	3	1	1	19	6	2	8	3	-	2	21	5	2	6	2
32	Beaufort Spring Lead 3	3	3	-	1	8	7	2	9	4	-	2	5	5	2	8	3
33	Beaufort Spring Lead 4	2	2	-	1	3	5	2	8	6	-	3	2	5	1	11	4
34	Beaufort Spring Lead 5	1	2	-	-	1	4	1	5	7	-	3	-	4	1	4	5
35	Beaufort Spring Lead 6	-	2	-	-	-	3	2	2	10	-	3	-	3	1	2	7
36	Beaufort Spring Lead 7	-	1	-	-	-	2	2	1	11	-	4	-	2	1	1	14
37	Beaufort Spring Lead 8	-	1	-	-	-	1	1	1	11	-	5	-	1	1	-	9
40	SUA: Icy Cape-Wainwright	2	-	-	-	3	-	-	1	-	-	-	2	-	-	1	-
41	SUA: Utqiaġvik-Chukchi	16	4	1	1	13	6	1	4	1	-	-	15	4	1	3	1
42	SUA: Utqiaġvik-East Arch	47	12	2	2	29	21	4	11	7	-	2	43	17	4	10	4
43	SUA: Nuiqsut-Cross Isl.	-	18	13	12	-	9	13	-	6	-	-	-	13	17	-	4
44	SUA: Kaktovik	-	2	2	27	-	2	20	-	6	-	1	-	2	30	-	4
45	Beaufort Spring Lead 9	-	1	-	1	-	1	1	1	9	-	8	-	1	1	-	7
46	Wrangel Isl. 12 nmi Buffer 2	1	-	-	-	2	-	-	1	-	2	-	1	-	-	1	-
47	Hanna Shoal Walrus Use Area	14	3	-	-	27	7	1	17	3	3	2	19	5	1	12	2
48	Chukchi Lead System 4	12	3	-	1	11	4	1	3	1	-	-	12	3	1	2	-
49	Chukchi Spring Lead 1	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
50	Pt. Lay Walrus	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
52	Russian Coast Walrus Offshore	1	-	-	-	2	-	-	1	-	1	-	1	-	-	1	-
53	Chukchi Spring Lead 2	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
54	Chukchi Spring Lead 3	6	1	-	-	8	2	-	3	1	-	-	6	2	-	2	-
55	Point Barrow, Plover Isls.	32	9	2	1	14	13	2	5	3	-	1	31	11	2	5	2
56	Hanna Shoal Area	7	1	-	-	12	3	-	7	1	2	1	8	2	-	5	1
57	Skull Cliffs	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
58	Russian Coast Walrus Nearshore	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
61	Pont Lay–Utqiaġvik BH GW SFF	13	3	1	1	9	6	1	2	2	-	-	12	5	1	2	1
62	Herald Shoal Polynya 2	1	-	-	-	2	-	-	1	-	1	-	1	-	-	1	-
63	North Chukchi	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
64	Peard Bay/Franklin Spit Area	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
65	Smith Bay	5	2	1	-	1	3	1	1	1	-	-	2	2	-	1	-
66	Herald Island	1	-	-	-	1	-	-	1	-	1	-	1	-	-	1	-
67	Herschel Island (Canada)	-	-	-	1	-	-	1	-	1	-	-	-	-	1	-	1
68	Harrison Bay	5	11	2	2	-	5	3	-	2	-	-	-	8	3	-	2
69	Harrison Bay/Colville Delta	2	10	2	2	-	4	2	-	2	-	-	-	6	3	-	1
70	North Central Chukchi	2	-	-	-	3	1	-	2	-	1	-	2	-	-	1	-
71	Simpson Lag.,Thetis & Jones Isls.	-	6	3	2	-	3	2	-	1	-	-	-	6	3	-	1
72	Gwyder Bay, Cottle & Return Isls.	-	7	7	3	-	2	3	-	2	-	-	-	6	5	-	1
73	Prudhoe Bay	-	1	2	1	-	-	1	-	-	-	-	-	1	1	-	-
74	Hershel Isl.	-	-	-	2	-	-	3	-	2	-	1	-	-	1	-	1
75	Boulder Patch Area	-	8	52	7	-	3	5	-	2	-	-	-	3	10	-	1
76	Kendall Isl. Bird Sanctuary (Canda)	-	-	-	1	-	-	2	-	1	-	1	-	-	1	-	1
77	Sagavanirktok Delta/Foggy Isl. Bay	-	3	22	3	-	1	2	-	1	-	-	-	1	4	-	1
78	Mikkelsen Bay	-	2	29	2	-	-	1	-	-	-	-	-	-	3	-	-
79	Demarcation Bay Offshore	-	-	-	7	-	-	4	-	1	-	-	-	-	1	-	1
80	Chukchi Sea Nearshore IBA	23	5	1	1	17	10	2	6	3	-	1	21	8	2	5	2
81	Simpson Cove	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
82	North Chukotka Nearshore 2	2	-	-	-	3	1	-	2	-	1	-	2	1	-	1	-
83	North Chukotka Nearshore 3	1	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-
84	Canning River Delta	-	1	1	3	-	-	1	-	-	-	-	-	-	4	-	-
85	Sagavanirktok River Delta	-	7	42	6	-	2	4	-	2	-	-	-	3	8	-	1
86	Harrison Bay	9	20	4	4	1	10	5	1	3	-	-	1	14	6	1	2
87	Colville River Delta	1	11	2	2	-	4	3	-	2	-	-	1	8	3	1	1
88	Simpson Lagoon	1	12	5	4	-	5	4	1	2	-	-	1	12	5	1	2
89	Mackenzie River Delta	-	-	-	2	-	-	3	-	2	-	1	-	-	1	-	2
91	Bowhead Whale Summer (Canada)	-	-	-	1	-	-	2	-	3	-	2	-	-	1	-	3
92	Thetis, Jones, Cottle & Return Isl.	1	16	10	6	-	7	6	1	3	-	-	-	16	8	1	2
93	Cross & No Name Isls.	-	5	4	3	-	1	2	-	1	-	-	-	2	3	-	1
94	Maguire, Flaxman & Barrier Isl.	-	6	5	13	-	2	7	-	2	-	-	-	1	16	-	2
95	Arey & Barter Isls., Bernard Spit	-	1	1	7	-	1	5	-	2	-	-	-	1	8	-	1
96	Midway, Cross & Bartlett Isls.	-	3	3	2	-	1	2	-	1	-	-	-	2	2	-	-
98	Anderson Point Barrier Isls.	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	3	-	-	2	-	1	-	-	-	-	3	-	-
100	Jago & Tapkaurak Spits	-	-	-	4	-	-	3	-	1	-	-	-	-	2	-	1
101	Offshore Herald Isl./Hope Sea Valley	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
102	Opilio Crab EFH	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
103	Saffron Cod EFH	14	3	1	-	13	5	1	4	1	-	-	13	4	1	3	1
104	Ledyard Bay-Icy Cape IBA	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
105	Fish Creek	4	14	2	2	1	5	3	1	2	-	-	1	8	4	1	1
106	Shaviovik River	-	11	75	9	-	3	6	-	3	-	-	-	3	13	-	2

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
107	Point Hope Offshore	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
108	Utqiaġvik Feeding Aggregation	15	6	1	1	9	9	3	3	3	-	1	15	8	2	3	2
109	AK BFT Shelf Edge	-	-	-	4	-	1	12	-	3	-	-	-	-	6	-	2
110	AK BFT Outer Shelf & Slope 1	-	1	-	3	-	1	16	-	13	-	2	-	-	4	-	9
111	AK BFT Outer Shelf & Slope 2	-	1	1	5	-	2	16	1	13	-	2	-	1	11	-	13
112	AK BFT Outer Shelf & Slope 3	-	2	1	5	-	3	17	1	12	-	1	-	2	10	1	9
113	AK BFT Outer Shelf & Slope 4	-	3	2	4	-	8	9	2	12	-	2	-	4	6	1	8
114	AK BFT Outer Shelf & Slope 5	-	4	2	3	-	11	6	3	9	-	1	-	12	4	4	6
115	AK BFT Outer Shelf & Slope 6	2	5	2	2	2	14	5	6	9	-	2	1	13	4	9	6
116	AK BFT Outer Shelf & Slope 7	3	5	1	2	4	14	4	13	11	-	4	4	11	3	14	8
117	AK BFT Outer Shelf & Slope 8	4	5	1	1	10	12	3	13	9	-	3	6	9	2	12	6
118	AK BFT Outer Shelf & Slope 9	4	3	1	1	15	7	1	11	6	-	2	13	5	1	9	4
119	AK BFT Outer Shelf & Slope 10	18	5	1	1	29	11	2	11	5	-	2	22	8	2	9	3
121	Cape Lisburne–Pt. Hope	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
122	Bowhead Fall (Canada)	-	-	-	2	-	-	3	-	2	-	-	-	-	1	-	1

Tables B.2-7 through B.2-12 represent annual conditional probabilities (expressed as percent chance) that a large oil spill starting at a particular location will contact a certain LS in 3, 10, 30, 90, 120, and 360 days, respectively.

Table B.2-7. Conditional probability of a large oil spill contacting an LS in 3 days (annual timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
85	Utqiaġvik, Browerville, Elson Lag.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
86	Dease Inlet, Plover Islands	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
87	Igalik & Kulgurak Island	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
88	Cape Simpson, Piasuk River	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92	Cape Halkett, Garry Creek	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
97	Milne Point, Simpson Lagoon	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
98	Kuparuk River	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-
99	Point Brower, Prudhoe Bay	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
100	Foggy Island Bay, Kadleroshilik R.	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-
101	Bullen, Gordon & Reliance Points	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-
102	Pt. Hopson & Sweeney, Staines R	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
103	Brownlow Point, Canning River	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
105	Anderson Point, Sadlerochit River	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
106	Arey Island, Barter Island,	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
107	Kaktovik	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
108	Griffin Point, Oruktalik Lagoon	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
109	Angun Point, Beaufort Lagoon	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
111	Demarcation Bay & Point	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
112	Clarence Lagoon, Backhouse River	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

Table B.2-8. Conditional probability of a large oil spill contacting an LS in 10 days (annual timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
85	Utqiaġvik, Browerville, Elson Lag.	6	-	-	-	2	-	-	-	-	-	-	5	-	-	-	-
86	Dease Inlet, Plover Islands	3	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-
87	Igalik & Kulgurak Island	4	-	-	-	1	-	-	-	-	-	-	4	-	-	-	-
88	Cape Simpson, Piasuk River	7	-	-	-	1	-	-	-	-	-	-	5	-	-	-	-
89	Ikpikpuk River Point Poleakoon	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90	Drew & McLeod Point, Kolovik	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
92	Cape Halkett, Garry Creek	5	5	-	-	-	1	-	-	-	-	-	-	2	-	-	-
93	Atigaru Pt, Eskimo Isl., Kogru R.	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
94	Fish Creek, Tingmeachsiovik River	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	Colville River	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
96	Oliktok Point	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
97	Milne Point, Simpson Lagoon	-	3	2	-	-	-	-	-	-	-	-	-	3	-	-	-
98	Kuparuk River	-	3	3	-	-	-	-	-	-	-	-	-	2	-	-	-
99	Point Brower, Prudhoe Bay	-	2	19	1	-	-	-	-	-	-	-	-	1	1	-	-
100	Foggy Island Bay, Kadleroshilik R.	-	2	27	1	-	-	-	-	-	-	-	-	-	1	-	-
101	Bullen, Gordon & Reliance Points	-	2	16	-	-	-	-	-	-	-	-	-	-	1	-	-
102	Pt. Hopson & Sweeney, Staines R	-	1	2	2	-	-	-	-	-	-	-	-	-	2	-	-
103	Brownlow Point, Canning River	-	1	1	4	-	-	-	-	-	-	-	-	-	4	-	-
104	Collinson Point, Konganevik Point	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-
105	Anderson Point, Sadlerochit River	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-
106	Arey Island, Barter Island,	-	-	-	3	-	-	1	-	-	-	-	-	-	4	-	-
107	Kaktovik	-	-	-	4	-	-	2	-	-	-	-	-	-	2	-	-
108	Griffin Point, Oruktalik Lagoon	-	-	-	4	-	-	2	-	-	-	-	-	-	1	-	-
109	Angun Point, Beaufort Lagoon	-	-	-	5	-	-	1	-	-	-	-	-	-	-	-	-
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	5	-	-	1	-	-	-	-	-	-	-	-	-
111	Demarcation Bay & Point	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-
112	Clarence Lagoon, Backhouse River	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-
113	Komakuk Beach, Fish Creek	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-

Table B.2-9. Conditional probability of a large oil spill contacting an LS in 30 days (annual timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
85	Utqiaġvik, Browerville, Elson Lag.	12	2	-	-	6	2	-	1	-	-	-	11	2	-	1	-
86	Dease Inlet, Plover Islands	5	1	-	-	2	1	-	-	-	-	-	5	1	-	-	-
87	Igalik & Kulgurak Island	6	1	-	-	2	1	-	-	-	-	-	6	1	-	-	-
88	Cape Simpson, Piasuk River	10	2	-	-	2	3	-	1	-	-	-	8	3	-	1	-
89	Ikpikpuk River Point Poleakoon	2	-	-	-	-	1	-	-	-	-	-	1	1	-	-	-
90	Drew & McLeod Point, Kolovik	2	-	-	-	1	1	-	-	-	-	-	1	1	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	3	1	-	-	1	2	-	-	-	-	-	1	2	-	-	-
92	Cape Halkett, Garry Creek	7	12	2	1	1	6	1	-	-	-	-	1	9	1	1	-
93	Atigaru Pt, Eskimo Isl., Kogru R.	1	4	1	-	-	1	-	-	-	-	-	-	3	1	-	-
94	Fish Creek, Tingmeachsiovik River	1	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-
95	Colville River	1	3	-	-	-	1	-	-	-	-	-	-	2	-	-	-
96	Oliktok Point	-	2	-	-	-	1	-	-	-	-	-	-	2	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
97	Milne Point, Simpson Lagoon	-	5	3	2	-	2	1	-	-	-	-	-	5	2	-	-
98	Kuparuk River	-	5	4	2	-	1	1	-	-	-	-	-	3	3	-	-
99	Point Brower, Prudhoe Bay	-	4	21	3	-	1	2	-	-	-	-	-	2	4	-	-
100	Foggy Island Bay, Kadleroshilik R.	-	3	28	2	-	1	1	-	-	-	-	-	1	3	-	-
101	Bullen, Gordon & Reliance Points	-	2	17	1	-	1	1	-	-	-	-	-	1	2	-	-
102	Pt. Hopson & Sweeney, Staines R	-	2	2	3	-	1	1	-	-	-	-	-	-	4	-	-
103	Brownlow Point, Canning River	-	1	1	6	-	-	2	-	-	-	-	-	-	7	-	-
104	Collinson Point, Konganevik Point	-	1	-	3	-	-	1	-	-	-	-	-	-	4	-	-
105	Anderson Point, Sadlerochit River	-	-	-	3	-	-	1	-	-	-	-	-	-	4	-	-
106	Arey Island, Barter Island,	-	1	1	5	-	-	2	-	-	-	-	-	-	7	-	-
107	Kaktovik	-	-	-	6	-	-	4	-	1	-	-	-	-	4	-	-
108	Griffin Point, Oruktalik Lagoon	-	-	-	6	-	-	4	-	1	-	-	-	-	2	-	-
109	Angun Point, Beaufort Lagoon	-	-	-	6	-	-	3	-	-	-	-	-	-	1	-	-
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	6	-	-	3	-	-	-	-	-	-	1	-	-
111	Demarcation Bay & Point	-	-	-	4	-	-	2	-	-	-	-	-	-	1	-	-
112	Clarence Lagoon, Backhouse River	-	-	-	3	-	-	2	-	-	-	-	-	-	-	-	-
113	Komakuk Beach, Fish Creek	-	-	-	2	-	-	2	-	-	-	-	-	-	-	-	-
114	Nunaluk Spit	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
115	Herschel Island	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-

Table B.2-10. Conditional probability of a large oil spill contacting an LS in 90 days (annual timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
7	Kosa Bruch	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
8	E. Wrangel Island, Skeletov	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
85	Utqiaġvik, Browerville, Elson Lag.	13	3	1	-	8	5	1	2	1	-	-	13	4	1	2	1
86	Dease Inlet, Plover Islands	5	1	-	-	3	2	-	1	-	-	-	5	2	-	1	-
87	Igalik & Kulgurak Island	6	2	-	-	2	3	-	1	1	-	-	6	2	-	1	-
88	Cape Simpson, Piasuk River	11	4	1	1	3	6	1	1	1	-	-	8	5	1	1	1
89	Ikpikpuk River Point Poleakoon	2	1	-	-	1	1	-	-	-	-	-	1	1	-	-	-
90	Drew & McLeod Point, Kolovik	2	1	-	-	1	1	-	-	-	-	-	2	1	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	3	2	-	-	1	3	1	-	1	-	-	1	2	1	-	-
92	Cape Halkett, Garry Creek	7	14	3	3	1	9	4	1	2	-	-	1	11	4	1	2
93	Atigaru Pt, Eskimo Isl., Kogru R.	2	5	1	1	-	2	1	-	1	-	-	-	3	2	-	-
94	Fish Creek, Tingmeachsiovik River	1	2	-	-	-	1	-	-	-	-	-	-	1	1	-	-
95	Colville River	1	3	-	1	-	1	1	-	-	-	-	-	2	1	-	-
96	Oliktok Point	-	3	-	1	-	1	1	-	-	-	-	-	3	1	-	-
97	Milne Point, Simpson Lagoon	-	5	3	2	-	2	2	-	1	-	-	-	5	3	-	1
98	Kuparuk River	-	5	5	3	-	2	3	-	1	-	-	-	4	4	-	1
99	Point Brower, Prudhoe Bay	-	4	21	3	-	2	3	-	1	-	-	-	2	5	-	1
100	Foggy Island Bay, Kadleroshilik R.	-	3	28	3	-	1	2	-	1	-	-	-	1	4	-	1
101	Bullen, Gordon & Reliance Points	-	2	17	2	-	1	1	-	1	-	-	-	1	2	-	-
102	Pt. Hopson & Sweeney, Staines R	-	2	2	3	-	1	2	-	1	-	-	-	1	5	-	1
103	Brownlow Point, Canning River	-	2	1	7	-	1	3	-	1	-	-	-	1	8	-	1
104	Collinson Point, Konganevik Point	-	1	-	4	-	-	2	-	1	-	-	-	-	4	-	-
105	Anderson Point, Sadlerochit River	-	1	-	4	-	-	2	-	1	-	-	-	-	4	-	-
106	Arey Island, Barter Island,	-	1	1	5	-	1	3	-	1	-	-	-	1	7	-	1
107	Kaktovik	-	-	-	6	-	-	5	-	2	-	-	-	-	5	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
108	Griffin Point, Oruktalik Lagoon	-	-	-	6	-	-	4	-	1	-	-	-	-	2	-	1
109	Angun Point, Beaufort Lagoon	-	-	-	7	-	-	4	-	1	-	-	-	-	1	-	1
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	6	-	-	4	-	1	-	-	-	-	1	-	1
111	Demarcation Bay & Point	-	-	-	4	-	-	3	-	1	-	-	-	-	1	-	1
112	Clarence Lagoon, Backhouse River	-	-	-	3	-	-	2	-	1	-	-	-	-	1	-	1
113	Komakuk Beach, Fish Creek	-	-	-	2	-	-	2	-	1	-	-	-	-	1	-	1
114	Nunaluk Spit	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
115	Herschel Island	-	-	-	1	-	-	2	-	1	-	-	-	-	1	-	1
124	Middle Channel, Gary Island	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
126	North Point, Pullen Island	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-

Table B.2-11. Conditional probability of a large oil spill contacting an LS in 120 days (annual timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
7	Kosa Bruch	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-
8	E. Wrangel Island, Skeletov	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
10	Bukhta Davidova	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
85	Utqiaġvik, Browerville, Elson Lag.	13	3	1	-	8	5	1	2	1	-	-	13	4	1	2	1
86	Dease Inlet, Plover Islands	5	1	-	-	3	2	-	1	-	-	-	5	2	-	1	-
87	Igalik & Kulgurak Island	6	2	-	-	2	3	-	1	1	-	-	6	2	-	1	-
88	Cape Simpson, Piasuk River	11	4	1	1	3	6	1	1	1	-	-	8	5	1	1	1
89	Ikpikpuk River Point Poleakoon	2	1	-	-	1	1	-	-	-	-	-	1	1	-	-	-
90	Drew & McLeod Point, Kolovik	2	1	-	-	1	1	-	-	-	-	-	2	1	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	3	2	-	-	1	3	1	-	1	-	-	1	2	1	-	-
92	Cape Halkett, Garry Creek	7	14	3	3	1	9	4	1	2	-	-	1	11	4	1	2
93	Atigaru Pt, Eskimo Isl., Kogru R.	2	5	1	1	-	2	1	-	1	-	-	-	3	2	-	-
94	Fish Creek, Tingmeachsiovik River	1	2	-	-	-	1	-	-	-	-	-	-	1	1	-	-
95	Colville River	1	3	-	1	-	1	1	-	-	-	-	-	2	1	-	-
96	Oliktok Point	-	3	-	1	-	1	1	-	-	-	-	-	3	1	-	-
97	Milne Point, Simpson Lagoon	-	5	3	2	-	2	2	-	1	-	-	-	5	3	-	1
98	Kuparuk River	-	5	5	3	-	2	3	-	1	-	-	-	4	4	-	1
99	Point Brower, Prudhoe Bay	-	4	21	3	-	2	3	-	1	-	-	-	2	5	-	1
100	Foggy Island Bay, Kadleroshilik R.	-	3	28	3	-	1	2	-	1	-	-	-	1	4	-	1
101	Bullen, Gordon & Reliance Points	-	2	17	2	-	1	1	-	1	-	-	-	1	2	-	-
102	Pt. Hopson & Sweeney, Staines R	-	2	2	3	-	1	2	-	1	-	-	-	1	5	-	1
103	Brownlow Point, Canning River	-	2	1	7	-	1	3	-	1	-	-	-	1	8	-	1
104	Collinson Point, Konganevik Point	-	1	-	4	-	-	2	-	1	-	-	-	-	4	-	-
105	Anderson Point, Sadlerochit River	-	1	-	4	-	-	2	-	1	-	-	-	-	4	-	-
106	Arey Island, Barter Island,	-	1	1	5	-	1	3	-	1	-	-	-	1	7	-	1
107	Kaktovik	-	-	-	6	-	-	5	-	2	-	-	-	-	5	-	1
108	Griffin Point, Oruktalik Lagoon	-	-	-	6	-	-	4	-	1	-	-	-	-	2	-	1
109	Angun Point, Beaufort Lagoon	-	-	-	7	-	-	4	-	1	-	-	-	-	1	-	1
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	6	-	-	4	-	1	-	-	-	-	1	-	1
111	Demarcation Bay & Point	-	-	-	4	-	-	3	-	1	-	-	-	-	1	-	1
112	Clarence Lagoon, Backhouse River	-	-	-	3	-	-	2	-	1	-	-	-	-	1	-	1
113	Komakuk Beach, Fish Creek	-	-	-	2	-	-	2	-	1	-	-	-	-	1	-	1
114	Nunaluk Spit	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
115	Herschel Island	-	-	-	1	-	-	2	-	1	-	-	-	-	1	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
124	Middle Channel, Gary Island	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
126	North Point, Pullen Island	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-

Table B.2-12. Conditional probability of a large oil spill contacting an LS in 360 days (annual timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
7	Kosa Bruch	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-
8	E. Wrangel Island, Skeletov	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-
10	Bukhta Davidova	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
85	Utqiaġvik, Browerville, Elson Lag.	13	3	1	-	8	5	1	2	1	-	-	13	4	1	2	1
86	Dease Inlet, Plover Islands	5	1	-	-	3	2	-	1	-	-	-	5	2	-	1	-
87	Igalik & Kulgurak Island	6	2	-	-	2	3	-	1	1	-	-	6	2	-	1	-
88	Cape Simpson, Piasuk River	11	4	1	1	3	6	1	1	1	-	-	8	5	1	1	1
89	Ikpikpuk River, Point Poleakoon	2	1	-	-	1	1	-	-	-	-	-	1	1	-	-	-
90	Drew & McLeod Point, Kolovik	2	1	-	-	1	1	-	-	-	-	-	2	1	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	3	2	-	-	1	3	1	-	1	-	-	1	2	1	-	-
92	Cape Halkett, Garry Creek	7	14	3	3	1	9	4	1	2	-	-	1	11	4	1	2
93	Atigaru Pt, Eskimo Isl., Kogru R.	2	5	1	1	-	2	1	-	1	-	-	-	3	2	-	-
94	Fish Creek, Tingmeachsiovik River	1	2	-	-	-	1	-	-	-	-	-	-	1	1	-	-
95	Colville River	1	3	-	1	-	1	1	-	-	-	-	-	2	1	-	-
96	Oliktok Point	-	3	-	1	-	1	1	-	-	-	-	-	3	1	-	-
97	Milne Point, Simpson Lagoon	-	5	3	2	-	2	2	-	1	-	-	-	5	3	-	1
98	Kuparuk River	-	5	5	3	-	2	3	-	1	-	-	-	4	4	-	1
99	Point Brower, Prudhoe Bay	-	4	21	3	-	2	3	-	1	-	-	-	2	5	-	1
100	Foggy Island Bay, Kadleroshilik R.	-	3	28	3	-	1	2	-	1	-	-	-	1	4	-	1
101	Bullen, Gordon & Reliance Points	-	2	17	2	-	1	1	-	1	-	-	-	1	2	-	-
102	Pt. Hopson & Sweeney, Staines R	-	2	2	3	-	1	2	-	1	-	-	-	1	5	-	1
103	Brownlow Point, Canning River	-	2	1	7	-	1	3	-	1	-	-	-	1	8	-	1
104	Collinson Point, Konganevik Point	-	1	-	4	-	-	2	-	1	-	-	-	-	4	-	-
105	Anderson Point, Sadlerochit River	-	1	-	4	-	-	2	-	1	-	-	-	-	4	-	-
106	Arey Island, Barter Island,	-	1	1	5	-	1	3	-	1	-	-	-	1	7	-	1
107	Kaktovik	-	-	-	6	-	-	5	-	2	-	-	-	-	5	-	1
108	Griffin Point, Oruktalik Lagoon	-	-	-	6	-	-	4	-	1	-	-	-	-	2	-	1
109	Angun Point, Beaufort Lagoon	-	-	-	7	-	-	4	-	1	-	-	-	-	1	-	1
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	6	-	-	4	-	1	-	-	-	-	1	-	1
111	Demarcation Bay & Point	-	-	-	4	-	-	3	-	1	-	-	-	-	1	-	1
112	Clarence Lagoon, Backhouse River	-	-	-	3	-	-	2	-	1	-	-	-	-	1	-	1
113	Komakuk Beach, Fish Creek	-	-	-	2	-	-	2	-	1	-	-	-	-	1	-	1
114	Nunaluk Spit	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
115	Herschel Island	-	-	-	1	-	-	2	-	1	-	-	-	-	1	-	1
124	Middle Channel, Gary Island	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
126	North Point, Pullen Island	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

Tables B.2-13 through B.2-18 represent annual conditional probabilities (expressed as percent chance) that a large oil spill starting at a particular location will contact a certain GLS in 3, 10, 30, 90, 120, and 360 days, respectively.

Table B.2-13. Conditional probability of a large oil spill contacting a GLS in 3 days (annual timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
150	National Petroleum Reserve-Alaska	8	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-
153	TCH Insect Relief/Calving	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
154	SUA: Utqiaġvik–Nuiqsut	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155	Smith Bay Spotted Seal Haulout	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
156	Teshekpuk Lake Special Area/IBA	4	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
160	CAH Insect Relief/ Calving	-	1	16	-	-	-	-	-	-	-	-	-	1	-	-	-
161	SUA: Kaktovik–Nuiqsut	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-
162	96–115 Summer	-	1	13	3	-	-	-	-	-	-	-	-	-	1	-	-
163	Beaufort Muskox Habitat	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-
164	99–115 Fall	-	-	12	3	-	-	-	-	-	-	-	-	-	-	-	-
165	102–110- Winter	-	-	-	7	-	-	-	-	-	-	-	-	-	2	-	-
166	Arctic National Wildlife Refuge	-	-	-	11	-	-	-	-	-	-	-	-	-	2	-	-
167	Northeast Arctic Coastal Plain IBA	-	-	-	6	-	-	-	-	-	-	-	-	-	1	-	-
168	PCH Insect Relief/SUA Kaktovik	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
169	PCH Calving	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
170	Yukon Musk Ox Wintering	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
171	Ivvavik National Park (Canada)	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
183	United States Beaufort Coast	10	4	48	11	-	-	-	-	-	-	-	3	2	3	-	-
184	Canada Beaufort Coast	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
150	National Petroleum Reserve-Alaska	8	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-
153	TCH Insect Relief/Calving	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
154	SUA: Utqiaġvik–Nuiqsut	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table B.2-14. Conditional probability of a large oil spill contacting a GLS in 10 days (annual timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
150	National Petroleum Reserve-Alaska	24	8	-	-	3	2	-	-	-	-	-	13	3	-	-	-
153	TCH Insect Relief/Calving	11	3	-	-	2	1	-	-	-	-	-	7	1	-	-	-
154	SUA: Utqiaġvik–Nuiqsut	6	2	-	-	1	-	-	-	-	-	-	3	1	-	-	-
155	Smith Bay Spotted Seal Haulout	4	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
156	Teshekpuk Lake Special Area/IBA	13	4	-	-	1	1	-	-	-	-	-	7	1	-	-	-
157	Colville River Delta IBA	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
158	Colville River Delta	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
159	Harrison Bay Spotted Seal Haulout	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
160	CAH Insect Relief/ Calving	-	5	24	3	-	1	-	-	-	-	-	-	3	3	-	-
161	SUA: Kaktovik–Nuiqsut	-	2	12	1	-	-	-	-	-	-	-	-	1	2	-	-
162	96–115 Summer	-	4	20	11	-	-	3	-	-	-	-	-	2	6	-	-
163	Beaufort Muskox Habitat	-	3	3	-	-	-	-	-	-	-	-	-	3	-	-	-
164	99–115 Fall	-	2	17	10	-	-	2	-	-	-	-	-	-	5	-	-
165	102–110- Winter	-	2	2	19	-	-	4	-	-	-	-	-	-	10	-	-
166	Arctic National Wildlife Refuge	-	1	1	31	-	-	7	-	-	-	-	-	-	15	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

167	Northeast Arctic Coastal Plain IBA	-	1	-	16	-	-	4	-	-	-	-	-	-	8	-	-
168	PCH Insect Relief/SUA Kaktovik	-	-	-	5	-	-	1	-	-	-	-	-	-	2	-	-
169	PCH Calving	-	-	-	4	-	-	2	-	-	-	-	-	-	2	-	-
170	Yukon Musk Ox Wintering	-	-	-	4	-	-	1	-	-	-	-	-	-	-	-	-
171	Ivvavik National Park (Canada)	-	-	-	3	-	-	2	-	-	-	-	-	-	-	-	-
172	112–132 Spring	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-
173	112–121 Winter	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
177	122–132 Winter	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
183	United States Beaufort Coast	31	25	71	36	4	5	8	-	-	-	-	18	12	22	-	-
184	Canada Beaufort Coast	-	-	-	3	-	-	2	-	-	-	-	-	-	-	-	-

Table B.2-15. Conditional probability of a large oil spill contacting a GLS in 30 days (annual timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
150	National Petroleum Reserve-Alaska	36	22	4	2	9	17	2	3	1	-	-	23	19	3	3	-
153	TCH Insect Relief/Calving	18	10	2	1	6	8	1	2	-	-	-	13	9	1	2	-
154	SUA: Utqiaġvik–Nuiqsut	9	6	1	-	3	4	-	1	-	-	-	6	5	1	1	-
155	Smith Bay Spotted Seal Haulout	6	2	-	-	1	2	-	-	-	-	-	5	2	-	-	-
156	Teshekpuk Lake Special Area/IBA	19	13	2	1	5	10	1	1	-	-	-	12	12	1	2	-
157	Colville River Delta IBA	1	5	1	1	-	2	-	-	-	-	-	-	3	1	-	-
158	Colville River Delta	1	2	-	-	-	1	-	-	-	-	-	-	2	-	-	-
159	Harrison Bay Spotted Seal Haulout	-	2	-	-	-	1	-	-	-	-	-	-	2	-	-	-
160	CAH Insect Relief/ Calving	-	9	27	7	-	2	3	-	1	-	-	-	5	10	-	1
161	SUA: Kaktovik–Nuiqsut	-	4	13	4	-	1	2	-	-	-	-	-	2	5	-	-
162	96–115 Summer	-	8	23	20	-	3	11	-	2	-	-	-	5	15	-	1
163	Beaufort Muskox Habitat	-	5	4	2	-	2	1	-	-	-	-	-	5	3	-	-
164	99–115 Fall	-	3	18	16	-	1	9	-	1	-	-	-	1	11	-	1
165	102–110- Winter	-	3	3	28	-	1	14	-	3	-	-	-	1	19	-	1
166	Arctic National Wildlife Refuge	-	4	2	43	-	2	22	-	4	-	-	-	1	28	-	2
167	Northeast Arctic Coastal Plain IBA	-	2	1	22	-	1	12	-	2	-	-	-	-	14	-	1
168	PCH Insect Relief/SUA Kaktovik	-	1	-	8	-	-	3	-	-	-	-	-	-	4	-	-
169	PCH Calving	-	-	-	7	-	-	5	-	1	-	-	-	-	4	-	1
170	Yukon Musk Ox Wintering	-	-	-	5	-	-	4	-	1	-	-	-	-	1	-	1
171	Ivvavik National Park (Canada)	-	-	-	6	-	-	5	-	1	-	-	-	-	1	-	1
172	112–132 Spring	-	-	-	3	-	-	4	-	1	-	-	-	-	1	-	1
173	112–121 Winter	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-
175	Tarium Nirutait MPA	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
176	122–132 Spring	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
177	122–132 Winter	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
183	United States Beaufort Coast	49	55	84	61	15	29	34	4	7	-	-	34	39	52	4	4
184	Canada Beaufort Coast	-	-	-	7	-	-	7	-	2	-	-	-	-	2	-	1

Table B.2-16. Conditional probability of a large oil spill contacting a GLS in 90 days (annual timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
133	Somnitel'naya Spit, Davidova Spit	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
150	National Petroleum Reserve-Alaska	39	29	7	5	12	26	8	6	6	-	1	26	28	8	6	4
153	TCH Insect Relief/Calving	20	13	3	2	8	13	3	3	3	-	1	15	13	3	4	2

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
154	SUA: Utqiaġvik–Nuiqsut	10	7	2	1	4	6	2	1	1	-	-	7	7	2	1	1
155	Smith Bay Spotted Seal Haulout	7	3	1	-	2	4	1	1	1	-	-	5	3	1	1	-
156	Teshekpuk Lake Special Area/IBA	20	16	4	3	6	15	5	3	4	-	1	14	16	5	3	3
157	Colville River Delta IBA	2	6	1	1	-	2	1	-	1	-	-	-	4	2	-	1
158	Colville River Delta	1	2	-	-	-	1	1	-	-	-	-	-	2	1	-	-
159	Harrison Bay Spotted Seal Haulout	-	2	-	1	-	1	1	-	-	-	-	-	2	1	-	-
160	CAH Insect Relief/ Calving	-	10	27	9	-	4	6	-	2	-	-	-	6	12	-	2
161	SUA: Kaktovik–Nuiqsut	-	4	13	5	-	1	4	-	1	-	-	-	2	7	-	1
162	96–115 Summer	1	10	23	23	-	5	18	1	8	-	1	-	6	20	1	6
163	Beaufort Muskox Habitat	-	6	4	2	-	2	2	-	1	-	-	-	5	3	-	1
164	99–115 Fall	-	4	18	18	-	2	13	-	4	-	1	-	1	13	-	3
165	102–110- Winter	-	4	3	30	-	2	18	-	6	-	1	-	1	22	-	4
166	Arctic National Wildlife Refuge	-	4	3	45	-	3	27	-	8	-	1	-	2	30	-	5
167	Northeast Arctic Coastal Plain IBA	-	2	1	23	-	2	14	-	4	-	-	-	1	15	-	3
168	PCH Insect Relief/SUA Kaktovik	-	1	-	8	-	1	4	-	1	-	-	-	1	5	-	1
169	PCH Calving	-	1	-	7	-	1	7	-	3	-	1	-	1	5	-	2
170	Yukon Musk Ox Wintering	-	-	-	6	-	-	6	-	2	-	-	-	-	2	-	2
171	Ivvavik National Park (Canada)	-	-	-	6	-	-	7	-	3	-	1	-	-	2	-	2
172	112–132 Spring	-	-	-	4	-	-	6	-	4	-	1	-	-	2	-	3
173	112–121 Winter	-	-	-	2	-	-	3	-	2	-	1	-	-	-	-	1
174	Yukon Moose	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1
175	Tarium Nirutait MPA	-	-	-	1	-	-	2	-	1	-	1	-	-	1	-	1
176	122–132 Spring	-	-	-	1	-	-	1	-	1	-	1	-	-	1	-	1
177	122–132 Winter	-	-	-	2	-	-	2	-	1	-	-	-	-	-	-	1
178	Kendall Island Bird Sanctuary (Ca)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
179	TYH CBH Insect Relief	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
180	Russia Chukchi Coast M. Mammals	2	-	-	-	3	-	-	2	-	1	-	2	-	-	1	-
181	Russia Chukchi Coast	3	-	-	-	7	1	-	4	-	3	1	4	1	-	3	-
182	United States Chukchi Coast	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
183	United States Beaufort Coast	54	66	88	72	20	45	53	10	23	-	3	39	53	67	9	15
184	Canada Beaufort Coast	-	-	-	9	-	1	12	-	8	-	3	-	-	4	-	6

Table B.2-17. Conditional probability of a large oil spill contacting a GLS in 120 days (annual timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
133	Somnitel'naya Spit, Davidova Spit	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
150	National Petroleum Reserve-Alaska	39	29	7	5	12	26	8	6	6	-	1	26	28	8	6	4
153	TCH Insect Relief/Calving	20	13	3	2	8	13	3	3	3	-	1	15	13	3	4	2
154	SUA: Utqiaġvik–Nuiqsut	10	7	2	1	4	6	2	1	1	-	-	7	7	2	1	1
155	Smith Bay Spotted Seal Haulout	7	3	1	-	2	4	1	1	1	-	-	5	3	1	1	-
156	Teshekpuk Lake Special Area/IBA	20	16	4	3	6	15	5	3	4	-	1	14	16	5	3	3
157	Colville River Delta IBA	2	6	1	1	-	2	1	-	1	-	-	-	4	2	-	1
158	Colville River Delta	1	2	-	-	-	1	1	-	-	-	-	-	2	1	-	-
159	Harrison Bay Spotted Seal Haulout	-	2	-	1	-	1	1	-	-	-	-	-	2	1	-	-
160	CAH Insect Relief/ Calving	-	10	27	9	-	4	6	-	2	-	-	-	6	12	-	2
161	SUA: Kaktovik–Nuiqsut	-	4	13	5	-	1	4	-	1	-	-	-	2	7	-	1
162	96–115 Summer	1	10	23	23	-	5	18	1	8	-	1	-	6	20	1	6
163	Beaufort Muskox Habitat	-	6	4	2	-	2	2	-	1	-	-	-	5	3	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
164	99–115 Fall	-	4	18	18	-	2	13	-	4	-	1	-	1	13	-	3
165	102–110- Winter	-	4	3	30	-	2	18	-	6	-	1	-	1	22	-	4
166	Arctic National Wildlife Refuge	-	4	3	45	-	3	27	-	8	-	1	-	2	30	-	5
167	Northeast Arctic Coastal Plain IBA	-	2	1	23	-	2	14	-	4	-	-	-	1	15	-	3
168	PCH Insect Relief/SUA Kaktovik	-	1	-	8	-	1	4	-	1	-	-	-	1	5	-	1
169	PCH Calving	-	1	-	7	-	1	7	-	3	-	1	-	1	5	-	2
170	Yukon Musk Ox Wintering	-	-	-	6	-	-	6	-	2	-	-	-	-	2	-	2
171	Ivvavik National Park (Canada)	-	-	-	6	-	-	7	-	3	-	1	-	-	2	-	2
172	112–132 Spring	-	-	-	4	-	-	6	-	4	-	2	-	-	2	-	3
173	112–121 Winter	-	-	-	2	-	-	3	-	2	-	1	-	-	-	-	1
174	Yukon Moose	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1
175	Tarium Nirutait MPA	-	-	-	1	-	-	2	-	1	-	1	-	-	1	-	1
176	122–132 Spring	-	-	-	1	-	-	1	-	1	-	1	-	-	1	-	1
177	122–132 Winter	-	-	-	2	-	-	2	-	1	-	-	-	-	-	-	1
178	Kendall Island Bird Sanctuary (Ca)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
179	TYH CBH Insect Relief	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
180	Russia Chukchi Coast M. Mammals	2	-	-	-	4	-	-	2	-	1	-	2	-	-	1	-
181	Russia Chukchi Coast	4	1	-	-	8	1	-	5	1	3	1	4	1	-	3	-
182	United States Chukchi Coast	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
183	United States Beaufort Coast	54	66	88	72	20	45	53	10	23	-	3	39	53	67	9	15
184	Canada Beaufort Coast	-	-	-	9	-	1	12	-	8	-	3	-	-	4	-	6

Table B.2-18. Conditional probability of a large oil spill contacting a GLS in 360 days (annual timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
133	Somnitel'naya Spit, Davidova Spit	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
150	National Petroleum Reserve-Alaska	39	29	7	5	12	26	8	6	6	-	1	26	28	8	6	4
153	TCH Insect Relief/Calving	20	13	3	2	8	13	3	3	3	-	1	15	13	3	4	2
154	SUA: Utqiaġvik–Nuiqsut	10	7	2	1	4	6	2	1	1	-	-	7	7	2	1	1
155	Smith Bay Spotted Seal Haulout	7	3	1	-	2	4	1	1	1	-	-	5	3	1	1	-
156	Teshekpuk Lake Special Area/IBA	20	16	4	3	6	15	5	3	4	-	1	14	16	5	3	3
157	Colville River Delta IBA	2	6	1	1	-	2	1	-	1	-	-	-	4	2	-	1
158	Colville River Delta	1	2	-	-	-	1	1	-	-	-	-	-	2	1	-	-
159	Harrison Bay Spotted Seal Haulout	-	2	-	1	-	1	1	-	-	-	-	-	2	1	-	-
160	CAH Insect Relief/ Calving	-	10	27	9	-	4	6	-	2	-	-	-	6	12	-	2
161	SUA: Kaktovik–Nuiqsut	-	4	13	5	-	1	4	-	1	-	-	-	2	7	-	1
162	96–115 Summer	1	10	23	23	-	5	18	1	8	-	1	-	6	20	1	6
163	Beaufort Muskox Habitat	-	6	4	2	-	2	2	-	1	-	-	-	5	3	-	1
164	99–115 Fall	-	4	18	18	-	2	13	-	4	-	1	-	1	13	-	3
165	102–110- Winter	-	4	3	30	-	2	18	-	6	-	1	-	1	22	-	4
166	Arctic National Wildlife Refuge	-	4	3	45	-	3	27	-	8	-	1	-	2	30	-	5
167	Northeast Arctic Coastal Plain IBA	-	2	1	23	-	2	14	-	4	-	-	-	1	15	-	3
168	PCH Insect Relief/SUA Kaktovik	-	1	-	8	-	1	4	-	1	-	-	-	1	5	-	1
169	PCH Calving	-	1	-	7	-	1	7	-	3	-	1	-	1	5	-	2
170	Yukon Musk Ox Wintering	-	-	-	6	-	-	6	-	2	-	-	-	-	2	-	2
171	Ivvavik National Park (Canada)	-	-	-	6	-	-	7	-	3	-	1	-	-	2	-	2
172	112–132 Spring	-	-	-	4	-	-	6	-	4	-	2	-	-	2	-	3
173	112–121 Winter	-	-	-	2	-	-	3	-	2	-	1	-	-	-	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
174	Yukon Moose	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1
175	Tarium Nirutait MPA	-	-	-	1	-	-	2	-	1	-	1	-	-	1	-	1
176	122–132 Spring	-	-	-	1	-	-	1	-	1	-	1	-	-	1	-	1
177	122–132 Winter	-	-	-	2	-	-	2	-	1	-	-	-	-	-	-	1
178	Kendall Island Bird Sanctuary (Ca)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
179	TYH CBH Insect Relief	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
180	Russia Chukchi Coast M. Mammals	2	-	-	-	4	1	-	3	-	2	-	3	-	-	2	-
181	Russia Chukchi Coast	4	1	-	-	8	1	-	5	1	4	1	5	1	-	3	1
182	United States Chukchi Coast	1	-	-	-	2	-	-	-	-	-	-	1	-	-	-	-
183	United States Beaufort Coast	54	66	88	72	20	45	53	10	23	-	3	39	53	67	9	15
184	Canada Beaufort Coast	-	-	-	9	-	1	12	-	8	-	3	-	-	4	-	6

Tables B.2-19 through B.2-24 represent annual conditional probabilities (expressed as percent chance) that a large oil spill starting at a particular location will contact a certain BS within 3, 10, 30, 90, 120, 360 days, respectively.

Table B.2-19. Conditional probability of a large oil spill contacting a BS in 3 days (annual timeframe)

Note: All rows have all values less than 0.5%, and the table is not shown.

Table B.2-20. Conditional probability of a large oil spill contacting a BS in 10 days (annual timeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
26	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-

Table B.2-21. Conditional probability of a large oil spill contacting a BS in 30 days (annual timeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
19	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
20	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
21	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
26	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
27	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

Table B.2-22. Conditional probability of a large oil spill contacting a BS in 90 days (annual timeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
16	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
17	Chukchi Sea	-	-	-	-	1	-	-	-	-	1	-	1	-	-	-	-
18	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
19	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-
20	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	-
21	Chukchi Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	1	-
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
26	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
27	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
37	Beaufort Sea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
38	Beaufort Sea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
39	Beaufort Sea	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1
40	Beaufort Sea	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1

Table B.2-23. Conditional probability of a large oil spill contacting a BS in 120 days (annual timeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
5	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
6	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
16	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
17	Chukchi Sea	-	-	-	-	1	-	-	-	-	1	-	1	-	-	-	-
18	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
19	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-
20	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	-
21	Chukchi Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	1	-
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
26	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
27	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
37	Beaufort Sea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
38	Beaufort Sea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
39	Beaufort Sea	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1
40	Beaufort Sea	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1

Table B.2-24. Conditional probability of a large oil spill contacting a BS in 360 days (annual timeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
5	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
6	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

16	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
17	Chukchi Sea	-	-	-	-	1	-	-	-	-	1	-	1	-	-	-	-
18	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
19	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-
20	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	-
21	Chukchi Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	1	-
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
26	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
27	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
37	Beaufort Sea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
38	Beaufort Sea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
39	Beaufort Sea	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1
40	Beaufort Sea	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1

Tables B.2-25 through B.2-30 represent summer conditional probabilities (expressed as percent chance) that a large oil spill starting at a particular location will contact a certain ERA within 3, 10, 30, 90, 120, and 360 days, respectively.

Table B.2-25. Conditional probability of a large oil spill contacting an ERA in 3 days (summer timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	9	3	47	11	-	-	-	-	-	-	-	3	1	1	-	-
2	Point Barrow, Plover Isls.	8	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-
5	Beaufort Sea Shelf Edge IBA	2	-	-	-	16	11	-	6	-	-	-	-	-	-	1	-
7	Krill Trap	13	-	-	-	1	-	-	-	-	-	-	4	-	-	-	-
8	Maguire & Flaxman Isls.	-	1	4	2	-	-	-	-	-	-	-	-	-	2	-	-
9	Stockton & McClure Isls.	-	3	9	-	-	-	-	-	-	-	-	-	-	-	-	-
12	SUA: Nuiqsut-Colville River Delta	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Angun & Beaufort Lagoons	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-
20	East Chukchi Offshore	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
21	AK BFT Bowhead FM 8	-	-	-	17	-	-	7	-	-	-	-	-	-	-	-	-
22	AK BFT Bowhead FM 7	-	-	-	17	-	-	3	-	-	-	-	-	-	24	-	-
24	AK BFT Bowhead FM 6	-	6	-	17	-	-	1	-	-	-	-	-	-	23	-	-
25	AK BFT Bowhead FM 5	-	17	10	2	-	1	-	-	-	-	-	-	1	2	-	-
26	AK BFT Bowhead FM 4	-	20	1	-	-	1	-	-	-	-	-	-	24	-	-	-
27	AK BFT Bowhead FM 3	11	11	-	-	2	2	-	-	-	-	-	-	1	-	-	-
28	AK BFT Bowhead FM 2	22	-	-	-	1	-	-	-	-	-	-	20	-	-	-	-
29	AK BFT Bowhead FM 1	18	-	-	-	2	-	-	-	-	-	-	12	-	-	-	-
41	SUA: Utqiaġvik-Chukchi	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	SUA: Utqiaġvik-East Arch	52	-	-	-	6	-	-	-	-	-	-	25	-	-	-	-
43	SUA: Nuiqsut-Cross Isl.	-	46	34	7	-	17	1	-	-	-	-	-	32	8	-	-
44	SUA: Kaktovik	-	-	-	35	-	-	8	-	-	-	-	-	-	37	-	-
55	Point Barrow, Plover Isls.	8	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-
61	Pont Lay–Utqiaġvik BH GW SFF	11	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-
65	Smith Bay	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
68	Harrison Bay	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	Harrison Bay/Colville Delta	3	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
71	Simpson Lag.,Thetis & Jones Isls.	-	2	-	-	-	-	-	-	-	-	-	-	3	-	-	-
72	Gwyder Bay, Cottle & Return Isls.	-	2	4	-	-	-	-	-	-	-	-	-	4	-	-	-
73	Prudhoe Bay	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
75	Boulder Patch Area	-	2	50	-	-	-	-	-	-	-	-	-	-	-	-	-
77	Sagavanirktok Delta/Foggy Isl. Bay	-	1	36	-	-	-	-	-	-	-	-	-	-	-	-	-
78	Mikkelsen Bay	-	1	54	-	-	-	-	-	-	-	-	-	-	-	-	-
79	Demarcation Bay Offshore	-	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-
80	Chukchi Sea Nearshore IBA	22	-	-	-	4	-	-	-	-	-	-	5	-	-	-	-
85	Sagavanirktok River Delta	-	1	36	-	-	-	-	-	-	-	-	-	-	-	-	-
86	Harrison Bay	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
87	Colville River Delta	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
88	Simpson Lagoon	-	2	-	-	-	-	-	-	-	-	-	-	3	-	-	-
92	Thetis, Jones, Cottle & Return Isl.	-	2	2	-	-	-	-	-	-	-	-	-	3	-	-	-
93	Cross & No Name Isls.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
94	Maguire, Flaxman & Barrier Isl.	-	1	1	2	-	-	-	-	-	-	-	-	-	1	-	-
95	Arey & Barter Isls., Bernard Spit	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
96	Midway, Cross & Bartlett Isls.	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
100	Jago & Tapkaurak Spits	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
103	Saffron Cod EFH	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
105	Fish Creek	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
106	Shaviovik River	-	3	76	-	-	-	-	-	-	-	-	-	-	-	-	-
108	Utqiaġvik Feeding Aggregation	33	-	-	-	7	-	-	-	-	-	-	27	-	-	-	-
109	AK BFT Shelf Edge	-	-	-	4	-	-	25	-	1	-	-	-	-	10	-	-
110	AK BFT Outer Shelf & Slope 1	-	-	-	-	-	-	33	-	17	-	-	-	-	1	-	13
111	AK BFT Outer Shelf & Slope 2	-	-	-	1	-	-	24	-	13	-	-	-	-	17	-	20
112	AK BFT Outer Shelf & Slope 3	-	-	-	1	-	2	23	-	10	-	-	-	-	3	-	2
113	AK BFT Outer Shelf & Slope 4	-	-	-	-	-	10	3	3	7	-	-	-	-	-	-	-
114	AK BFT Outer Shelf & Slope 5	-	-	-	-	-	17	-	4	1	-	-	-	22	-	8	-
115	AK BFT Outer Shelf & Slope 6	-	-	-	-	-	16	-	7	-	-	-	-	14	-	12	-
116	AK BFT Outer Shelf & Slope 7	-	-	-	-	2	9	-	14	-	-	-	-	1	-	12	-
117	AK BFT Outer Shelf & Slope 8	1	-	-	-	16	1	-	10	-	-	-	2	-	-	1	-
118	AK BFT Outer Shelf & Slope 9	-	-	-	-	24	-	-	7	-	-	-	17	-	-	-	-
119	AK BFT Outer Shelf & Slope 10	19	-	-	-	35	-	-	1	-	-	-	6	-	-	-	-

Table B.2-26. Conditional probability of a large oil spill contacting an ERA in 10 days (summer timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	32	23	70	36	3	3	7	-	-	-	-	17	10	18	-	-
2	Point Barrow, Plover Isls.	22	1	-	-	3	1	-	-	-	-	-	18	-	-	-	-
5	Beaufort Sea Shelf Edge IBA	5	4	-	-	18	27	-	11	-	-	-	2	14	-	10	-
6	Hanna Shoal	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Krill Trap	25	1	-	-	8	1	-	-	-	-	-	22	-	-	-	-
8	Maguire & Flaxman Isls.	-	3	7	9	-	-	1	-	-	-	-	-	-	10	-	-
9	Stockton & McClure Isls.	-	6	13	3	-	-	-	-	-	-	-	-	-	5	-	-
12	SUA: Nuiqsut-Colville River Delta	5	15	2	-	-	1	-	-	-	-	-	-	8	-	-	-
16	Barrow Canyon	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Angun & Beaufort Lagoons	-	-	-	8	-	-	2	-	-	-	-	-	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
20	East Chukchi Offshore	5	-	-	-	10	-	-	2	-	-	-	5	-	-	-	-
21	AK BFT Bowhead FM 8	-	-	-	19	-	-	14	-	1	-	-	-	-	2	-	-
22	AK BFT Bowhead FM 7	-	-	-	22	-	-	10	-	1	-	-	-	-	27	-	1
24	AK BFT Bowhead FM 6	-	6	2	24	-	1	6	-	-	-	-	-	-	31	-	-
25	AK BFT Bowhead FM 5	-	20	14	9	-	3	3	-	-	-	-	-	2	12	-	-
26	AK BFT Bowhead FM 4	-	27	9	2	-	6	1	-	-	-	-	-	28	3	-	-
27	AK BFT Bowhead FM 3	12	21	3	-	2	10	-	-	-	-	-	-	14	1	-	-
28	AK BFT Bowhead FM 2	26	5	-	-	5	6	-	-	-	-	-	24	4	-	-	-
29	AK BFT Bowhead FM 1	26	1	-	-	8	2	-	-	-	-	-	23	1	-	-	-
41	SUA: Utqiaġvik-Chukchi	10	-	-	-	4	-	-	-	-	-	-	8	-	-	-	-
42	SUA: Utqiaġvik-East Arch	67	3	-	-	25	5	-	1	-	-	-	52	2	-	-	-
43	SUA: Nuiqsut-Cross Isl.	-	49	37	21	-	22	12	-	2	-	-	-	35	28	-	-
44	SUA: Kaktovik	-	1	-	42	-	-	22	-	1	-	-	-	-	42	-	1
47	Hanna Shoal Walrus Use Area	7	-	-	-	9	-	-	1	-	-	-	5	-	-	-	-
55	Point Barrow, Plover Isls.	22	1	-	-	3	1	-	-	-	-	-	18	-	-	-	-
56	Hanna Shoal Area	2	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
61	Pont Lay–Utqiaġvik BH GW SFF	23	-	-	-	8	1	-	-	-	-	-	18	-	-	-	-
65	Smith Bay	6	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
68	Harrison Bay	7	11	1	-	-	1	-	-	-	-	-	-	5	-	-	-
69	Harrison Bay/Colville Delta	3	11	1	-	-	1	-	-	-	-	-	-	5	-	-	-
71	Simpson Lag.,Thetis & Jones Isls.	-	7	4	-	-	1	-	-	-	-	-	-	8	-	-	-
72	Gwyder Bay, Cottle & Return Isls.	-	8	13	1	-	1	-	-	-	-	-	-	7	2	-	-
73	Prudhoe Bay	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
75	Boulder Patch Area	-	5	58	3	-	-	-	-	-	-	-	-	-	4	-	-
77	Sagavanirktok Delta/Foggy Isl. Bay	-	4	47	2	-	-	-	-	-	-	-	-	-	2	-	-
78	Mikkelsen Bay	-	2	55	1	-	-	-	-	-	-	-	-	-	2	-	-
79	Demarcation Bay Offshore	-	-	-	10	-	-	2	-	-	-	-	-	-	-	-	-
80	Chukchi Sea Nearshore IBA	34	1	-	-	17	2	-	-	-	-	-	28	-	-	-	-
81	Simpson Cove	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-
84	Canning River Delta	-	-	1	2	-	-	-	-	-	-	-	-	-	2	-	-
85	Sagavanirktok River Delta	-	4	47	2	-	-	-	-	-	-	-	-	-	3	-	-
86	Harrison Bay	7	11	1	-	-	1	-	-	-	-	-	-	5	-	-	-
87	Colville River Delta	-	7	1	-	-	-	-	-	-	-	-	-	4	-	-	-
88	Simpson Lagoon	-	7	4	-	-	1	-	-	-	-	-	-	8	1	-	-
92	Thetis, Jones, Cottle & Return Isl.	-	9	9	1	-	1	-	-	-	-	-	-	9	1	-	-
93	Cross & No Name Isls.	-	3	3	1	-	-	-	-	-	-	-	-	-	1	-	-
94	Maguire, Flaxman & Barrier Isl.	-	2	3	8	-	-	-	-	-	-	-	-	-	9	-	-
95	Arey & Barter Isls., Bernard Spit	-	-	-	4	-	-	1	-	-	-	-	-	-	3	-	-
96	Midway, Cross & Bartlett Isls.	-	4	5	1	-	-	-	-	-	-	-	-	1	1	-	-
98	Anderson Point Barrier Isls.	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	3	-	-	1	-	-	-	-	-	-	3	-	-
100	Jago & Tapkaurak Spits	-	-	-	6	-	-	2	-	-	-	-	-	-	1	-	-
103	Saffron Cod EFH	7	-	-	-	2	-	-	-	-	-	-	5	-	-	-	-
105	Fish Creek	3	9	-	-	-	-	-	-	-	-	-	-	3	-	-	-
106	Shaviovik River	-	7	79	4	-	-	-	-	-	-	-	-	1	6	-	-
108	Utqiaġvik Feeding Aggregation	40	3	-	-	18	4	-	1	-	-	-	37	2	-	-	-
109	AK BFT Shelf Edge	-	-	-	7	-	-	27	-	3	-	-	-	-	11	-	1
110	AK BFT Outer Shelf & Slope 1	-	-	-	2	-	-	37	-	23	-	-	-	-	4	-	16
111	AK BFT Outer Shelf & Slope 2	-	-	-	5	-	1	33	-	21	-	-	-	-	21	-	27

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
112	AK BFT Outer Shelf & Slope 3	-	1	-	4	-	4	34	-	17	-	-	-	1	14	-	12
113	AK BFT Outer Shelf & Slope 4	-	2	-	2	-	14	10	4	13	-	-	-	3	4	1	3
114	AK BFT Outer Shelf & Slope 5	-	3	-	1	-	23	3	6	6	-	-	-	25	1	8	1
115	AK BFT Outer Shelf & Slope 6	1	3	-	-	1	26	1	12	2	-	-	-	24	-	20	-
116	AK BFT Outer Shelf & Slope 7	2	2	-	-	5	19	-	23	1	-	-	2	10	-	28	-
117	AK BFT Outer Shelf & Slope 8	3	1	-	-	20	10	-	19	-	-	-	6	5	-	16	-
118	AK BFT Outer Shelf & Slope 9	2	-	-	-	31	2	-	14	-	-	-	23	1	-	7	-
119	AK BFT Outer Shelf & Slope 10	30	-	-	-	54	2	-	6	-	-	-	34	-	-	1	-
122	Bowhead Fall (Canada)	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-

Table B.2-27. Conditional probability of a large oil spill contacting an ERA in 30 days (summer timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	48	54	83	64	13	27	35	3	5	-	-	32	38	49	3	2
2	Point Barrow, Plover Isls.	31	8	1	1	10	10	1	2	-	-	-	28	9	1	2	-
5	Beaufort Sea Shelf Edge IBA	8	13	3	2	19	44	6	17	8	-	-	5	30	4	17	3
6	Hanna Shoal	7	1	-	-	8	2	-	1	-	-	-	6	2	-	-	-
7	Krill Trap	33	6	-	1	16	11	1	3	-	-	-	32	8	1	2	-
8	Maguire & Flaxman Isls.	-	4	7	14	-	-	5	-	1	-	-	-	-	17	-	1
9	Stockton & McClure Isls.	-	7	13	8	-	1	4	-	1	-	-	-	1	10	-	1
12	SUA: Nuiqsut-Colville River Delta	6	21	5	3	-	6	2	-	1	-	-	-	13	5	-	-
16	Barrow Canyon	3	-	-	-	3	-	-	-	-	-	-	3	-	-	-	-
17	Angun & Beaufort Lagoons	-	-	-	9	-	-	4	-	-	-	-	-	-	1	-	-
20	East Chukchi Offshore	13	1	-	-	24	5	-	9	1	-	-	19	3	-	5	-
21	AK BFT Bowhead FM 8	-	-	-	20	-	-	18	-	3	-	-	-	-	4	-	1
22	AK BFT Bowhead FM 7	-	1	1	24	-	-	15	-	3	-	-	-	-	29	-	2
24	AK BFT Bowhead FM 6	-	7	3	28	-	1	13	-	3	-	-	-	1	36	-	2
25	AK BFT Bowhead FM 5	-	22	14	16	-	5	10	-	3	-	-	-	4	21	-	2
26	AK BFT Bowhead FM 4	1	32	12	9	-	10	7	-	3	-	-	-	30	13	1	2
27	AK BFT Bowhead FM 3	12	31	7	5	2	20	5	1	2	-	-	1	25	6	2	1
28	AK BFT Bowhead FM 2	28	15	2	2	6	17	3	2	1	-	-	25	18	3	2	-
29	AK BFT Bowhead FM 1	32	9	1	1	15	14	2	3	1	-	-	29	12	2	2	-
40	SUA: Icy Cape-Wainwright	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
41	SUA: Utqiaġvik-Chukchi	16	3	-	-	11	5	1	2	-	-	-	16	3	-	1	-
42	SUA: Utqiaġvik-East Arch	77	18	2	2	41	29	3	8	1	-	-	66	23	3	7	-
43	SUA: Nuiqsut-Cross Isl.	-	52	39	33	-	25	33	1	10	-	-	-	38	48	1	8
44	SUA: Kaktovik	-	2	1	44	-	1	30	-	5	-	-	-	1	45	-	3
47	Hanna Shoal Walrus Use Area	23	2	-	-	41	6	-	15	1	2	-	30	3	-	6	-
55	Point Barrow, Plover Isls.	32	8	1	1	10	10	1	2	-	-	-	29	9	1	2	-
56	Hanna Shoal Area	13	1	-	-	22	3	-	7	-	1	-	16	2	-	3	-
61	Pont Lay–Utqiaġvik BH GW SFF	31	5	-	-	18	10	1	3	-	-	-	28	7	1	2	-
64	Peard Bay/Franklin Spit Area	1	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-
65	Smith Bay	7	3	1	-	1	3	-	-	-	-	-	3	3	-	-	-
67	Herschel Island (Canada)	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
68	Harrison Bay	8	20	4	2	-	7	2	-	-	-	-	-	14	3	-	-
69	Harrison Bay/Colville Delta	3	17	4	2	-	4	2	-	-	-	-	-	10	4	-	-
70	North Central Chukchi	1	-	-	-	1	-	-	1	-	1	-	1	-	-	-	-
71	Simpson Lag.,Thetis & Jones Isls.	-	10	6	3	-	3	2	-	1	-	-	-	10	5	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
72	Gwyder Bay, Cottle & Return Isls.	-	11	15	6	-	3	4	-	1	-	-	-	8	8	-	-
73	Prudhoe Bay	-	2	4	1	-	-	1	-	-	-	-	-	1	2	-	-
74	Hershel Isl.	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
75	Boulder Patch Area	-	7	59	8	-	1	4	-	1	-	-	-	1	10	-	-
77	Sagavanirktok Delta/Foggy Isl. Bay	-	5	48	6	-	1	3	-	-	-	-	-	1	8	-	-
78	Mikkelsen Bay	-	2	55	3	-	-	2	-	-	-	-	-	-	5	-	-
79	Demarcation Bay Offshore	-	-	-	11	-	-	4	-	-	-	-	-	-	1	-	-
80	Chukchi Sea Nearshore IBA	44	7	-	1	30	15	2	5	1	-	-	41	10	1	4	-
81	Simpson Cove	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
84	Canning River Delta	-	1	1	3	-	-	1	-	-	-	-	-	-	4	-	-
85	Sagavanirktok River Delta	-	5	49	6	-	1	3	-	-	-	-	-	1	8	-	-
86	Harrison Bay	8	21	5	3	-	7	2	-	-	-	-	-	14	3	-	-
87	Colville River Delta	1	11	2	2	-	3	1	-	-	-	-	-	7	3	-	-
88	Simpson Lagoon	-	11	6	4	-	3	2	-	1	-	-	-	10	5	-	-
91	Bowhead Whale Summer (Canada)	-	-	-	1	-	-	2	-	2	-	-	-	-	-	-	-
92	Thetis, Jones, Cottle & Return Isl.	-	14	12	6	-	4	4	-	1	-	-	-	11	8	-	1
93	Cross & No Name Isls.	-	4	4	3	-	1	2	-	-	-	-	-	1	4	-	-
94	Maguire, Flaxman & Barrier Isl.	-	3	4	13	-	-	5	-	1	-	-	-	-	16	-	1
95	Arey & Barter Isls., Bernard Spit	-	-	-	5	-	-	3	-	-	-	-	-	-	5	-	-
96	Midway, Cross & Bartlett Isls.	-	6	6	3	-	1	2	-	-	-	-	-	1	5	-	-
98	Anderson Point Barrier Isls.	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	5	-	-	3	-	-	-	-	-	-	4	-	-
100	Jago & Tapkaurak Spits	-	-	-	8	-	-	5	-	1	-	-	-	-	2	-	-
103	Saffron Cod EFH	13	2	-	-	8	3	-	1	-	-	-	11	2	-	1	-
105	Fish Creek	3	13	3	2	-	3	1	-	-	-	-	-	8	3	-	-
106	Shaviovik River	-	9	79	10	-	1	5	-	1	-	-	-	1	14	-	1
108	Utqiaġvik Feeding Aggregation	45	13	1	2	26	21	3	5	1	-	-	43	18	3	5	1
109	AK BFT Shelf Edge	-	-	-	8	-	-	28	-	4	-	-	-	-	12	-	2
110	AK BFT Outer Shelf & Slope 1	-	-	-	6	-	1	40	-	28	-	1	-	-	7	-	18
111	AK BFT Outer Shelf & Slope 2	-	1	1	9	-	2	39	-	30	-	1	-	-	25	-	30
112	AK BFT Outer Shelf & Slope 3	-	3	1	9	-	6	42	1	28	-	1	-	3	20	1	21
113	AK BFT Outer Shelf & Slope 4	-	5	3	6	-	17	19	5	27	-	1	-	7	11	2	16
114	AK BFT Outer Shelf & Slope 5	-	6	3	4	-	27	11	7	18	-	1	-	28	7	9	11
115	AK BFT Outer Shelf & Slope 6	2	9	2	3	2	33	7	16	14	-	1	1	30	5	23	7
116	AK BFT Outer Shelf & Slope 7	5	8	1	2	7	31	4	32	15	-	2	5	21	3	35	6
117	AK BFT Outer Shelf & Slope 8	7	6	1	1	24	24	2	30	9	-	1	11	16	1	28	4
118	AK BFT Outer Shelf & Slope 9	8	3	1	-	36	11	1	26	5	-	1	29	9	-	21	2
119	AK BFT Outer Shelf & Slope 10	42	7	1	-	70	18	1	19	2	-	-	53	13	1	15	1
122	Bowhead Fall (Canada)	-	-	-	2	-	-	3	-	1	-	-	-	-	-	-	1

Table B.2-28. Conditional probability of a large oil spill contacting an ERA in 90 days (summer timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	52	63	87	76	18	39	56	7	17	-	1	36	48	64	6	9
2	Point Barrow, Plover Isls.	32	10	2	2	11	17	4	3	3	-	-	29	14	3	3	2
5	Beaufort Sea Shelf Edge IBA	9	16	3	5	19	47	10	18	19	-	3	6	33	7	18	12
6	Hanna Shoal	9	2	-	-	14	5	1	5	1	-	-	11	4	-	3	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
7	Krill Trap	34	9	1	1	17	17	4	5	4	-	1	33	13	3	5	2
8	Maguire & Flaxman Isls.	-	4	7	14	-	-	7	-	2	-	-	-	1	17	-	1
9	Stockton & McClure Isls.	-	7	13	8	-	1	5	-	2	-	-	-	1	11	-	1
11	Wrangel Isl. 12 nmi & Offshore	2	-	-	-	5	1	-	3	1	-	-	3	1	-	2	-
12	SUA: Nuiqsut-Colville River Delta	6	21	5	5	-	6	6	-	2	-	-	-	13	8	-	2
16	Barrow Canyon	3	1	-	-	3	1	-	1	-	-	-	3	1	-	1	-
17	Angun & Beaufort Lagoons	-	-	-	9	-	-	5	-	1	-	-	-	-	1	-	-
18	Murre Rearing & Molting Area	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
20	East Chukchi Offshore	15	3	-	1	28	9	2	15	6	-	2	22	6	1	11	4
21	AK BFT Bowhead FM 8	-	-	-	21	-	-	18	-	4	-	-	-	-	4	-	2
22	AK BFT Bowhead FM 7	-	1	1	25	-	1	16	-	4	-	-	-	-	29	-	3
24	AK BFT Bowhead FM 6	-	8	3	29	-	1	14	-	5	-	-	-	1	37	-	3
25	AK BFT Bowhead FM 5	-	23	14	17	-	5	13	-	6	-	-	-	4	23	-	4
26	AK BFT Bowhead FM 4	1	33	13	11	-	11	12	1	7	-	-	-	31	16	1	5
27	AK BFT Bowhead FM 3	12	32	8	7	3	22	11	2	8	-	1	1	27	10	2	6
28	AK BFT Bowhead FM 2	28	17	4	3	6	20	6	3	6	-	1	25	21	5	3	5
29	AK BFT Bowhead FM 1	33	12	2	2	15	20	5	5	6	-	1	30	17	4	5	4
40	SUA: Icy Cape-Wainwright	1	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-
41	SUA: Utqiaġvik-Chukchi	18	5	1	1	12	8	2	3	2	-	-	17	7	2	3	1
42	SUA: Utqiaġvik-East Arch	78	22	4	3	42	37	9	13	10	-	1	68	31	6	12	6
43	SUA: Nuiqsut-Cross Isl.	-	53	39	35	-	26	37	1	15	-	1	-	38	50	1	10
44	SUA: Kaktovik	-	2	1	45	-	1	31	-	7	-	-	-	1	45	-	4
47	Hanna Shoal Walrus Use Area	27	4	-	1	50	13	2	29	7	3	3	37	9	1	20	5
48	Chukchi Lead System 4	-	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-
50	Pt. Lay Walrus	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
55	Point Barrow, Plover Isls.	33	11	2	2	11	17	4	3	3	-	-	29	15	3	3	2
56	Hanna Shoal Area	18	3	-	-	34	9	1	20	4	4	2	24	6	-	14	3
61	Pont Lay–Utqiaġvik BH GW SFF	33	8	1	1	21	15	3	6	4	-	1	31	11	2	5	2
63	North Chukchi	2	-	-	-	2	-	-	1	-	1	-	2	-	-	1	-
64	Peard Bay/Franklin Spit Area	2	-	-	-	2	-	-	-	-	-	-	2	-	-	-	-
65	Smith Bay	7	4	1	-	1	4	1	1	1	-	-	3	4	1	1	-
66	Herald Island	1	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-
67	Herschel Island (Canada)	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
68	Harrison Bay	8	21	5	4	-	8	6	-	2	-	-	-	14	7	-	2
69	Harrison Bay/Colville Delta	3	17	4	4	-	5	4	-	2	-	-	-	10	7	-	1
70	North Central Chukchi	4	1	-	-	8	2	-	4	-	2	-	5	1	-	3	-
71	Simpson Lag.,Thetis & Jones Isls.	-	11	6	4	-	3	4	-	2	-	-	-	10	6	-	1
72	Gwyder Bay, Cottle & Return Isls.	-	12	15	7	-	3	6	-	2	-	-	-	8	10	-	1
73	Prudhoe Bay	-	2	4	2	-	1	1	-	-	-	-	-	1	2	-	-
74	Hershel Isl.	-	-	-	1	-	-	2	-	1	-	-	-	-	-	-	-
75	Boulder Patch Area	-	7	59	8	-	1	5	-	2	-	-	-	1	11	-	1
77	Sagavanirktok Delta/Foggy Isl. Bay	-	5	48	6	-	1	4	-	1	-	-	-	1	8	-	1
78	Mikkelsen Bay	-	3	55	4	-	-	2	-	1	-	-	-	-	5	-	-
79	Demarcation Bay Offshore	-	-	-	11	-	-	5	-	1	-	-	-	-	1	-	-
80	Chukchi Sea Nearshore IBA	45	10	1	2	32	21	5	9	6	-	1	44	16	3	8	4
81	Simpson Cove	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
82	North Chukotka Nearshore 2	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
84	Canning River Delta	-	1	1	3	-	-	1	-	-	-	-	-	-	4	-	-
85	Sagavanirktok River Delta	-	6	49	7	-	1	4	-	1	-	-	-	1	9	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
86	Harrison Bay	8	22	5	5	-	8	6	1	3	-	-	-	15	8	1	2
87	Colville River Delta	1	11	3	3	-	3	3	-	1	-	-	-	7	5	-	1
88	Simpson Lagoon	-	11	7	5	-	4	5	-	2	-	-	-	11	7	-	1
89	Mackenzie River Delta	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
91	Bowhead Whale Summer (Ca)	-	-	-	1	-	-	3	-	3	-	1	-	-	1	-	1
92	Thetis, Jones, Cottle & Return Isl.	-	15	12	8	-	4	7	-	3	-	-	-	12	11	-	2
93	Cross & No Name Isls.	-	5	4	3	-	1	3	-	1	-	-	-	1	4	-	-
94	Maguire, Flaxman & Barrier Isl.	-	4	4	14	-	-	6	-	2	-	-	-	1	17	-	1
95	Arey & Barter Isls., Bernard Spit	-	-	-	6	-	-	4	-	1	-	-	-	-	5	-	-
96	Midway, Cross & Bartlett Isls.	-	6	6	4	-	1	3	-	1	-	-	-	2	5	-	1
98	Anderson Point Barrier Isls.	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	5	-	-	3	-	1	-	-	-	-	4	-	-
100	Jago & Tapkaurak Spits	-	-	-	8	-	-	6	-	1	-	-	-	-	2	-	-
101	Offshore Herald Isl./Hope Sea Vly.	1	-	-	-	2	-	-	1	-	-	-	1	-	-	-	-
103	Saffron Cod EFH	14	4	1	1	10	6	1	3	1	-	-	13	5	1	2	1
104	Ledyard Bay-Icy Cape IBA	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
105	Fish Creek	3	14	3	3	-	4	4	-	1	-	-	-	8	6	-	1
106	Shaviovik River	-	9	79	11	-	2	7	-	2	-	-	-	2	15	-	1
108	Utqiaġvik Feeding Aggregation	46	17	3	3	27	27	8	9	10	-	2	44	24	6	8	7
109	AK BFT Shelf Edge	-	-	-	8	-	1	28	-	5	-	-	-	-	12	-	2
110	AK BFT Outer Shelf & Slope 1	-	1	1	7	-	1	41	-	29	-	3	-	-	8	-	19
111	AK BFT Outer Shelf & Slope 2	-	2	1	11	-	3	41	1	32	-	3	-	1	26	-	32
112	AK BFT Outer Shelf & Slope 3	-	4	2	11	-	7	44	1	31	-	2	-	4	22	1	23
113	AK BFT Outer Shelf & Slope 4	-	6	4	8	-	18	22	5	31	-	3	-	7	13	2	19
114	AK BFT Outer Shelf & Slope 5	1	8	4	6	1	28	14	7	23	-	3	-	29	9	9	15
115	AK BFT Outer Shelf & Slope 6	3	11	3	5	3	35	10	16	22	-	4	2	32	8	23	14
116	AK BFT Outer Shelf & Slope 7	6	10	2	5	8	34	9	33	26	-	8	7	24	8	37	17
117	AK BFT Outer Shelf & Slope 8	9	9	3	4	25	28	6	32	20	-	6	12	20	6	30	14
118	AK BFT Outer Shelf & Slope 9	9	6	2	2	37	15	3	29	13	-	5	30	11	3	23	10
119	AK BFT Outer Shelf & Slope 10	44	12	2	2	72	25	5	26	13	-	3	55	19	3	21	8
122	Bowhead Fall (Canada)	-	-	-	4	-	-	5	-	2	-	-	-	-	2	-	1

Table B.2-29. Conditional probability of a large oil spill contacting an ERA in 120 days (summer timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	53	63	87	76	18	39	56	7	17	-	1	36	48	64	6	9
2	Point Barrow, Plover Isls.	32	10	2	2	11	17	4	3	3	-	-	29	14	3	3	2
5	Beaufort Sea Shelf Edge IBA	9	16	3	5	19	47	10	18	19	-	3	6	33	7	18	12
6	Hanna Shoal	9	2	-	-	14	5	1	5	1	-	-	11	4	-	3	1
7	Krill Trap	34	9	1	1	17	17	4	5	4	-	1	33	13	3	5	2
8	Maguire & Flaxman Isls.	-	4	7	14	-	-	7	-	2	-	-	-	1	17	-	1
9	Stockton & McClure Isls.	-	7	13	8	-	1	5	-	2	-	-	-	1	11	-	1
11	Wrangel Isl. 12 nmi & Offshore	2	-	-	-	5	1	-	3	1	-	-	3	1	-	2	-
12	SUA: Nuiqsut-Colville River Delta	6	21	5	5	-	6	6	-	2	-	-	-	13	8	-	2
16	Barrow Canyon	3	1	-	-	3	1	-	1	-	-	-	3	1	-	1	-
17	Angun & Beaufort Lagoons	-	-	-	9	-	-	5	-	1	-	-	-	-	1	-	-
18	Murre Rearing & Molting Area	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
20	East Chukchi Offshore	15	3	-	1	28	9	2	15	6	-	2	22	6	1	11	4

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
21	AK BFT Bowhead FM 8	-	-	-	21	-	-	18	-	4	-	-	-	-	4	-	2
22	AK BFT Bowhead FM 7	-	1	1	25	-	1	16	-	4	-	-	-	-	29	-	3
24	AK BFT Bowhead FM 6	-	8	3	29	-	1	14	-	5	-	-	-	1	37	-	3
25	AK BFT Bowhead FM 5	-	23	14	17	-	5	13	-	6	-	-	-	4	23	-	4
26	AK BFT Bowhead FM 4	1	33	13	11	-	11	12	1	7	-	-	-	31	16	1	5
27	AK BFT Bowhead FM 3	12	32	8	7	3	22	11	2	8	-	1	1	27	10	2	6
28	AK BFT Bowhead FM 2	28	17	4	3	6	20	6	3	6	-	1	25	21	5	3	5
29	AK BFT Bowhead FM 1	33	12	2	2	15	20	5	5	6	-	1	30	17	4	5	4
40	SUA: Icy Cape-Wainwright	1	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-
41	SUA: Utqiaġvik-Chukchi	18	5	1	1	12	8	2	3	2	-	-	17	7	2	3	1
42	SUA: Utqiaġvik-East Arch	78	22	4	3	42	37	9	13	10	-	1	68	31	6	12	6
43	SUA: Nuiqsut-Cross Isl.	-	53	39	35	-	26	37	1	15	-	1	-	38	50	1	10
44	SUA: Kaktovik	-	2	1	45	-	1	31	-	7	-	-	-	1	45	-	4
47	Hanna Shoal Walrus Use Area	27	4	-	1	50	13	2	29	7	3	3	37	9	1	20	5
48	Chukchi Lead System 4	-	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-
50	Pt. Lay Walrus	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
55	Point Barrow, Plover Isls.	33	11	2	2	11	17	4	3	3	-	-	29	15	3	3	2
56	Hanna Shoal Area	18	3	-	-	34	9	1	20	4	4	2	24	6	-	14	3
61	Pont Lay–Utqiaġvik BH GW SFF	33	8	1	1	21	15	3	6	4	-	1	31	11	2	5	2
63	North Chukchi	2	-	-	-	2	-	-	1	-	1	-	2	-	-	1	-
64	Peard Bay/Franklin Spit Area	2	-	-	-	2	-	-	-	-	-	-	2	-	-	-	-
65	Smith Bay	7	4	1	-	1	4	1	1	1	-	-	3	4	1	1	-
66	Herald Island	1	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-
67	Herschel Island (Canada)	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
68	Harrison Bay	8	21	5	4	-	8	6	-	2	-	-	-	14	7	-	2
69	Harrison Bay/Colville Delta	3	17	4	4	-	5	4	-	2	-	-	-	10	7	-	1
70	North Central Chukchi	4	1	-	-	8	2	-	4	-	2	-	5	1	-	3	-
71	Simpson Lag.,Thetis & Jones Isls.	-	11	6	4	-	3	4	-	2	-	-	-	10	6	-	1
72	Gwyder Bay, Cottle & Return Isls.	-	12	15	7	-	3	6	-	2	-	-	-	8	10	-	1
73	Prudhoe Bay	-	2	4	2	-	1	1	-	-	-	-	-	1	2	-	-
74	Hershel Isl.	-	-	-	1	-	-	2	-	1	-	-	-	-	-	-	-
75	Boulder Patch Area	-	7	59	8	-	1	5	-	2	-	-	-	1	11	-	1
77	Sagavanirktok Delta/Foggy Isl. Bay	-	5	48	6	-	1	4	-	1	-	-	-	1	8	-	1
78	Mikkelsen Bay	-	3	55	4	-	-	2	-	1	-	-	-	-	5	-	-
79	Demarcation Bay Offshore	-	-	-	11	-	-	5	-	1	-	-	-	-	1	-	-
80	Chukchi Sea Nearshore IBA	45	10	1	2	32	21	5	9	6	-	1	44	16	3	8	4
81	Simpson Cove	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
82	North Chukotka Nearshore 2	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
84	Canning River Delta	-	1	1	3	-	-	1	-	-	-	-	-	-	4	-	-
85	Sagavanirktok River Delta	-	6	49	7	-	1	4	-	1	-	-	-	1	9	-	1
86	Harrison Bay	8	22	5	5	-	8	6	1	3	-	-	-	15	8	1	2
87	Colville River Delta	1	11	3	3	-	3	3	-	1	-	-	-	7	5	-	1
88	Simpson Lagoon	-	11	7	5	-	4	5	-	2	-	-	-	11	7	-	1
89	Mackenzie River Delta	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
91	Bowhead Whale Summer (Ca)	-	-	-	1	-	-	3	-	3	-	1	-	-	1	-	1
92	Thetis, Jones, Cottle & Return Isl.	-	15	12	8	-	4	7	-	3	-	-	-	12	11	-	2
93	Cross & No Name Isls.	-	5	4	3	-	1	3	-	1	-	-	-	1	4	-	-
94	Maguire, Flaxman & Barrier Isl.	-	4	4	14	-	-	6	-	2	-	-	-	1	17	-	1
95	Arey & Barter Isls., Bernard Spit	-	-	-	6	-	-	4	-	1	-	-	-	-	5	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
96	Midway, Cross & Bartlett Isls.	-	6	6	4	-	1	3	-	1	-	-	-	2	5	-	1
98	Anderson Point Barrier Isls.	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	5	-	-	3	-	1	-	-	-	-	4	-	-
100	Jago & Tapkaurak Spits	-	-	-	8	-	-	6	-	1	-	-	-	-	2	-	-
101	Offshore Herald Isl./Hope Sea Vly.	1	-	-	-	2	-	-	1	-	-	-	1	-	-	-	-
103	Saffron Cod EFH	14	4	1	1	10	6	1	3	1	-	-	13	5	1	2	1
104	Ledyard Bay-Icy Cape IBA	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
105	Fish Creek	3	14	3	3	-	4	4	-	1	-	-	-	8	6	-	1
106	Shaviovik River	-	9	79	11	-	2	7	-	2	-	-	-	2	15	-	1
108	Utqiaġvik Feeding Aggregation	46	17	3	3	27	27	8	9	10	-	2	44	24	6	8	7
109	AK BFT Shelf Edge	-	-	-	8	-	1	28	-	5	-	-	-	-	12	-	2
110	AK BFT Outer Shelf & Slope 1	-	1	1	7	-	1	41	-	29	-	3	-	-	8	-	19
111	AK BFT Outer Shelf & Slope 2	-	2	1	11	-	3	41	1	32	-	3	-	1	26	-	32
112	AK BFT Outer Shelf & Slope 3	-	4	2	11	-	7	44	1	31	-	2	-	4	22	1	23
113	AK BFT Outer Shelf & Slope 4	-	6	4	8	-	18	22	5	31	-	3	-	7	13	2	19
114	AK BFT Outer Shelf & Slope 5	1	8	4	6	1	28	14	7	23	-	3	-	29	9	9	15
115	AK BFT Outer Shelf & Slope 6	3	11	3	5	3	35	10	16	22	-	4	2	32	8	23	14
116	AK BFT Outer Shelf & Slope 7	6	10	2	5	8	34	9	33	26	-	8	7	24	8	37	17
117	AK BFT Outer Shelf & Slope 8	9	9	3	4	25	28	6	32	20	-	6	12	20	6	30	14
118	AK BFT Outer Shelf & Slope 9	9	6	2	2	37	15	3	29	13	-	5	30	11	3	23	10
119	AK BFT Outer Shelf & Slope 10	44	12	2	2	72	25	5	26	13	-	3	55	19	3	21	8
122	Bowhead Fall (Canada)	-	-	-	4	-	-	5	-	2	-	-	-	-	2	-	1

Table B.2-30. Conditional probability of a large oil spill contacting an ERA in 360 days (summer timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	53	63	87	76	18	39	56	7	17	-	1	36	48	64	6	9
2	Point Barrow, Plover Isls.	32	10	2	2	11	17	4	3	3	-	-	29	14	3	3	2
5	Beaufort Sea Shelf Edge IBA	9	16	3	5	19	47	10	18	19	-	3	6	33	7	18	12
6	Hanna Shoal	9	2	-	-	14	5	1	5	1	-	-	11	4	-	3	1
7	Krill Trap	34	9	1	1	17	17	4	5	4	-	1	33	13	3	5	2
8	Maguire & Flaxman Isls.	-	4	7	14	-	-	7	-	2	-	-	-	1	17	-	1
9	Stockton & McClure Isls.	-	7	13	8	-	1	5	-	2	-	-	-	1	11	-	1
11	Wrangel Isl. 12 nmi & Offshore	2	-	-	-	5	1	-	3	1	-	-	3	1	-	2	-
12	SUA: Nuiqsut-Colville River Delta	6	21	5	5	-	6	6	-	2	-	-	-	13	8	-	2
16	Barrow Canyon	3	1	-	-	3	1	-	1	-	-	-	3	1	-	1	-
17	Angun & Beaufort Lagoons	-	-	-	9	-	-	5	-	1	-	-	-	-	1	-	-
18	Murre Rearing & Molting Area	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
20	East Chukchi Offshore	15	3	-	1	28	9	2	15	6	-	2	22	6	1	11	4
21	AK BFT Bowhead FM 8	-	-	-	21	-	-	18	-	4	-	-	-	-	4	-	2
22	AK BFT Bowhead FM 7	-	1	1	25	-	1	16	-	4	-	-	-	-	29	-	3
24	AK BFT Bowhead FM 6	-	8	3	29	-	1	14	-	5	-	-	-	1	37	-	3
25	AK BFT Bowhead FM 5	-	23	14	17	-	5	13	-	6	-	-	-	4	23	-	4
26	AK BFT Bowhead FM 4	1	33	13	11	-	11	12	1	7	-	-	-	31	16	1	5
27	AK BFT Bowhead FM 3	12	32	8	7	3	22	11	2	8	-	1	1	27	10	2	6
28	AK BFT Bowhead FM 2	28	17	4	3	6	20	6	3	6	-	1	25	21	5	3	5
29	AK BFT Bowhead FM 1	33	12	2	2	15	20	5	5	6	-	1	30	17	4	5	4
40	SUA: Icy Cape-Wainwright	1	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
41	SUA: Utqiaġvik-Chukchi	18	5	1	1	12	8	2	3	2	-	-	17	7	2	3	1
42	SUA: Utqiaġvik-East Arch	78	22	4	3	42	37	9	13	10	-	1	68	31	6	12	6
43	SUA: Nuiqsut-Cross Isl.	-	53	39	35	-	26	37	1	15	-	1	-	38	50	1	10
44	SUA: Kaktovik	-	2	1	45	-	1	31	-	7	-	-	-	1	45	-	4
47	Hanna Shoal Walrus Use Area	27	4	-	1	50	13	2	29	7	3	3	37	9	1	20	5
48	Chukchi Lead System 4	-	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-
50	Pt. Lay Walrus	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
55	Point Barrow, Plover Isls.	33	11	2	2	11	17	4	3	3	-	-	29	15	3	3	2
56	Hanna Shoal Area	18	3	-	-	34	9	1	20	4	4	2	24	6	-	14	3
61	Pont Lay–Utqiaġvik BH GW SFF	33	8	1	1	21	15	3	6	4	-	1	31	11	2	5	2
63	North Chukchi	2	-	-	-	2	-	-	1	-	1	-	2	-	-	1	-
64	Peard Bay/Franklin Spit Area	2	-	-	-	2	-	-	-	-	-	-	2	-	-	-	-
65	Smith Bay	7	4	1	-	1	4	1	1	1	-	-	3	4	1	1	-
66	Herald Island	1	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-
67	Herschel Island (Canada)	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
68	Harrison Bay	8	21	5	4	-	8	6	-	2	-	-	-	14	7	-	2
69	Harrison Bay/Colville Delta	3	17	4	4	-	5	4	-	2	-	-	-	10	7	-	1
70	North Central Chukchi	4	1	-	-	8	2	-	4	-	2	-	5	1	-	3	-
71	Simpson Lag.,Thetis & Jones Isls.	-	11	6	4	-	3	4	-	2	-	-	-	10	6	-	1
72	Gwyder Bay, Cottle & Return Isls.	-	12	15	7	-	3	6	-	2	-	-	-	8	10	-	1
73	Prudhoe Bay	-	2	4	2	-	1	1	-	-	-	-	-	1	2	-	-
74	Hershel Isl.	-	-	-	1	-	-	2	-	1	-	-	-	-	-	-	-
75	Boulder Patch Area	-	7	59	8	-	1	5	-	2	-	-	-	1	11	-	1
77	Sagavanirktok Delta/Foggy Isl. Bay	-	5	48	6	-	1	4	-	1	-	-	-	1	8	-	1
78	Mikkelsen Bay	-	3	55	4	-	-	2	-	1	-	-	-	-	5	-	-
79	Demarcation Bay Offshore	-	-	-	11	-	-	5	-	1	-	-	-	-	1	-	-
80	Chukchi Sea Nearshore IBA	45	10	1	2	32	21	5	9	6	-	1	44	16	3	8	4
81	Simpson Cove	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
82	North Chukotka Nearshore 2	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
84	Canning River Delta	-	1	1	3	-	-	1	-	-	-	-	-	-	4	-	-
85	Sagavanirktok River Delta	-	6	49	7	-	1	4	-	1	-	-	-	1	9	-	1
86	Harrison Bay	8	22	5	5	-	8	6	1	3	-	-	-	15	8	1	2
87	Colville River Delta	1	11	3	3	-	3	3	-	1	-	-	-	7	5	-	1
88	Simpson Lagoon	-	11	7	5	-	4	5	-	2	-	-	-	11	7	-	1
89	Mackenzie River Delta	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
91	Bowhead Whale Summer (Ca)	-	-	-	1	-	-	3	-	3	-	1	-	-	1	-	1
92	Thetis, Jones, Cottle & Return Isl.	-	15	12	8	-	4	7	-	3	-	-	-	12	11	-	2
93	Cross & No Name Isls.	-	5	4	3	-	1	3	-	1	-	-	-	1	4	-	-
94	Maguire, Flaxman & Barrier Isl.	-	4	4	14	-	-	6	-	2	-	-	-	1	17	-	1
95	Arey & Barter Isls., Bernard Spit	-	-	-	6	-	-	4	-	1	-	-	-	-	5	-	-
96	Midway, Cross & Bartlett Isls.	-	6	6	4	-	1	3	-	1	-	-	-	2	5	-	1
98	Anderson Point Barrier Isls.	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	5	-	-	3	-	1	-	-	-	-	4	-	-
100	Jago & Tapkaurak Spits	-	-	-	8	-	-	6	-	1	-	-	-	-	2	-	-
101	Offshore Herald Isl./Hope Sea Vly.	1	-	-	-	2	-	-	1	-	-	-	1	-	-	-	-
103	Saffron Cod EFH	14	4	1	1	10	6	1	3	1	-	-	13	5	1	2	1
104	Ledyard Bay-Icy Cape IBA	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
105	Fish Creek	3	14	3	3	-	4	4	-	1	-	-	-	8	6	-	1
106	Shaviovik River	-	9	79	11	-	2	7	-	2	-	-	-	2	15	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
108	Utqiaġvik Feeding Aggregation	46	17	3	3	27	27	8	9	10	-	2	44	24	6	8	7
109	AK BFT Shelf Edge	-	-	-	8	-	1	28	-	5	-	-	-	-	12	-	2
110	AK BFT Outer Shelf & Slope 1	-	1	1	7	-	1	41	-	29	-	3	-	-	8	-	19
111	AK BFT Outer Shelf & Slope 2	-	2	1	11	-	3	41	1	32	-	3	-	1	26	-	32
112	AK BFT Outer Shelf & Slope 3	-	4	2	11	-	7	44	1	31	-	2	-	4	22	1	23
113	AK BFT Outer Shelf & Slope 4	-	6	4	8	-	18	22	5	31	-	3	-	7	13	2	19
114	AK BFT Outer Shelf & Slope 5	1	8	4	6	1	28	14	7	23	-	3	-	29	9	9	15
115	AK BFT Outer Shelf & Slope 6	3	11	3	5	3	35	10	16	22	-	4	2	32	8	23	14
116	AK BFT Outer Shelf & Slope 7	6	10	2	5	8	34	9	33	26	-	8	7	24	8	37	17
117	AK BFT Outer Shelf & Slope 8	9	9	3	4	25	28	6	32	20	-	6	12	20	6	30	14
118	AK BFT Outer Shelf & Slope 9	9	6	2	2	37	15	3	29	13	-	5	30	11	3	23	10
119	AK BFT Outer Shelf & Slope 10	44	12	2	2	72	25	5	26	13	-	3	55	19	3	21	8
122	Bowhead Fall (Canada)	-	-	-	4	-	-	5	-	2	-	-	-	-	2	-	1

Tables B.2-31 through B.2-36 represent summer conditional probabilities (expressed as percent chance) that a large oil spill starting at a particular location will contact a certain LS within 3, 10, 30, 90, 120, and 360 days, respectively.

Table B.2-31. Conditional probability of a large oil spill contacting an LS in 3 days (summer timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
85	Utqiaġvik, Browerville, Elson Lag.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
86	Dease Inlet, Plover Islands	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
87	Igalik & Kulgurak Island	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
88	Cape Simpson, Piasuk River	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92	Cape Halkett, Garry Creek	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
97	Milne Point, Simpson Lagoon	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-
98	Kuparuk River	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
99	Point Brower, Prudhoe Bay	-	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-
100	Foggy Island Bay, Kadleroshilik R.	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-
101	Bullen, Gordon & Reliance Points	-	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-
103	Brownlow Point, Canning River	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
106	Arey Island, Barter Island,	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
107	Kaktovik	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
108	Griffin Point, Oruktalik Lagoon	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
109	Angun Point, Beaufort Lagoon	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
111	Demarcation Bay & Point	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

Table B.2-32. Conditional probability of a large oil spill contacting an LS in 10 days (summer timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
85	Utqiaġvik, Browerville, Elson Lag.	8	-	-	-	2	-	-	-	-	-	-	6	-	-	-	-
86	Dease Inlet, Plover Islands	3	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-
87	Igalik & Kulgurak Island	4	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
88	Cape Simpson, Piasuk River	7	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
89	Ikpikpuk River Point Poleakoon	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90	Drew & McLeod Point, Kolovik	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92	Cape Halkett, Garry Creek	5	6	-	-	-	1	-	-	-	-	-	-	2	-	-	-
93	Atigaru Pt, Eskimo Isl., Kogru R.	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
94	Fish Creek, Tingmeachsiovik River	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	Colville River	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
96	Oliktok Point	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
97	Milne Point, Simpson Lagoon	-	3	2	-	-	-	-	-	-	-	-	-	3	-	-	-
98	Kuparuk River	-	3	4	-	-	-	-	-	-	-	-	-	1	1	-	-
99	Point Brower, Prudhoe Bay	-	2	24	1	-	-	-	-	-	-	-	-	-	1	-	-
100	Foggy Island Bay, Kadleroshilik R.	-	1	27	1	-	-	-	-	-	-	-	-	-	1	-	-
101	Bullen, Gordon & Reliance Points	-	1	11	-	-	-	-	-	-	-	-	-	-	1	-	-
102	Pt. Hopson & Sweeney, Staines R	-	1	1	2	-	-	-	-	-	-	-	-	-	3	-	-
103	Brownlow Point, Canning River	-	-	1	4	-	-	-	-	-	-	-	-	-	4	-	-
104	Collinson Point, Konganevik Point	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-
105	Anderson Point, Sadlerochit River	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
106	Arey Island, Barter Island,	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-
107	Kaktovik	-	-	-	4	-	-	1	-	-	-	-	-	-	1	-	-
108	Griffin Point, Oruktalik Lagoon	-	-	-	4	-	-	1	-	-	-	-	-	-	-	-	-
109	Angun Point, Beaufort Lagoon	-	-	-	5	-	-	1	-	-	-	-	-	-	-	-	-
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	4	-	-	1	-	-	-	-	-	-	-	-	-
111	Demarcation Bay & Point	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
112	Clarence Lagoon, Backhouse River	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-

Table B.2-33. Conditional probability of a large oil spill contacting an LS in 30 days (summer timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
85	Utqiaġvik, Browerville, Elson Lag.	13	3	-	-	6	3	-	1	-	-	-	13	3	-	1	-
86	Dease Inlet, Plover Islands	5	1	-	-	2	1	-	-	-	-	-	5	1	-	-	-
87	Igalik & Kulgurak Island	6	2	-	-	2	2	-	-	-	-	-	5	2	-	-	-
88	Cape Simpson, Piasuk River	10	4	-	-	2	4	-	-	-	-	-	6	4	1	-	-
89	Ikpikpuk River Point Poleakoon	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
90	Drew & McLeod Point, Kolovik	2	1	-	-	-	1	-	-	-	-	-	1	-	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	2	2	1	-	-	2	-	-	-	-	-	-	2	-	-	-
92	Cape Halkett, Garry Creek	6	15	3	2	-	6	1	-	-	-	-	-	11	2	1	-
93	Atigaru Pt, Eskimo Isl., Kogru R.	1	4	2	1	-	1	-	-	-	-	-	-	3	1	-	-
94	Fish Creek, Tingmeachsiovik River	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
95	Colville River	-	2	1	-	-	1	-	-	-	-	-	-	2	1	-	-
96	Oliktok Point	-	2	1	-	-	1	-	-	-	-	-	-	2	-	-	-
97	Milne Point, Simpson Lagoon	-	4	3	2	-	1	1	-	-	-	-	-	4	3	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
98	Kuparuk River	-	4	5	3	-	1	2	-	-	-	-	-	2	4	-	-
99	Point Brower, Prudhoe Bay	-	3	26	3	-	1	2	-	-	-	-	-	1	5	-	-
100	Foggy Island Bay, Kadleroshilik R.	-	2	28	3	-	-	2	-	-	-	-	-	-	4	-	-
101	Bullen, Gordon & Reliance Points	-	1	11	2	-	-	1	-	-	-	-	-	-	2	-	-
102	Pt. Hopson & Sweeney, Staines R	-	1	1	3	-	-	1	-	-	-	-	-	-	5	-	-
103	Brownlow Point, Canning River	-	1	1	7	-	-	2	-	-	-	-	-	-	7	-	-
104	Collinson Point, Konganevik Point	-	-	-	3	-	-	1	-	-	-	-	-	-	3	-	-
105	Anderson Point, Sadlerochit River	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
106	Arey Island, Barter Island,	-	-	-	4	-	-	2	-	-	-	-	-	-	4	-	-
107	Kaktovik	-	-	-	5	-	-	4	-	1	-	-	-	-	2	-	-
108	Griffin Point, Oruktalik Lagoon	-	-	-	6	-	-	3	-	-	-	-	-	-	1	-	-
109	Angun Point, Beaufort Lagoon	-	-	-	6	-	-	3	-	-	-	-	-	-	1	-	-
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	5	-	-	2	-	-	-	-	-	-	-	-	-
111	Demarcation Bay & Point	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-
112	Clarence Lagoon, Backhouse River	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
113	Komakuk Beach, Fish Creek	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-

Table B.2-34. Conditional probability of a large oil spill contacting an LS in 90 days (summer timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
7	Kosa Bruch	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
8	E. Wrangel Island, Skeletov	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
85	Utqiaġvik, Browerville, Elson Lag.	14	4	1	1	7	7	1	2	1	-	-	14	6	1	2	1
86	Dease Inlet, Plover Islands	5	1	-	-	2	3	1	1	-	-	-	5	2	-	1	-
87	Igalik & Kulgurak Island	6	2	-	-	2	3	1	-	1	-	-	6	2	1	-	-
88	Cape Simpson, Piasuk River	10	5	1	1	2	6	2	1	1	-	-	6	5	1	1	-
89	Ikpikpuk River Point Poleakoon	1	1	1	-	-	1	-	-	-	-	-	1	1	-	-	-
90	Drew & McLeod Point, Kolovik	2	1	-	-	-	1	-	-	-	-	-	1	1	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	2	2	1	1	-	2	1	-	-	-	-	-	2	1	-	-
92	Cape Halkett, Garry Creek	6	16	3	4	-	7	5	1	2	-	-	-	12	6	1	1
93	Atigaru Pt, Eskimo Isl., Kogru R.	1	4	2	1	-	2	1	-	-	-	-	-	3	2	-	-
94	Fish Creek, Tingmeachsiovik River	-	1	-	-	-	1	-	-	-	-	-	-	1	1	-	-
95	Colville River	-	2	1	1	-	1	1	-	-	-	-	-	2	1	-	-
96	Oliktok Point	-	2	1	1	-	1	1	-	-	-	-	-	2	1	-	-
97	Milne Point, Simpson Lagoon	-	5	4	3	-	1	2	-	1	-	-	-	4	4	-	1
98	Kuparuk River	-	4	5	3	-	1	3	-	1	-	-	-	2	4	-	-
99	Point Brower, Prudhoe Bay	-	4	26	4	-	1	3	-	1	-	-	-	1	5	-	-
100	Foggy Island Bay, Kadleroshilik R.	-	2	28	3	-	-	2	-	1	-	-	-	-	4	-	-
101	Bullen, Gordon & Reliance Points	-	2	11	2	-	-	1	-	-	-	-	-	-	3	-	-
102	Pt. Hopson & Sweeney, Staines R	-	1	1	4	-	-	2	-	1	-	-	-	-	5	-	-
103	Brownlow Point, Canning River	-	1	1	7	-	-	3	-	1	-	-	-	-	8	-	-
104	Collinson Point, Konganevik Point	-	-	-	3	-	-	1	-	-	-	-	-	-	3	-	-
105	Anderson Point, Sadlerochit River	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
106	Arey Island, Barter Island,	-	-	-	4	-	-	2	-	-	-	-	-	-	4	-	-
107	Kaktovik	-	-	-	6	-	-	4	-	1	-	-	-	-	3	-	-
108	Griffin Point, Oruktalik Lagoon	-	-	-	6	-	-	4	-	1	-	-	-	-	1	-	-
109	Angun Point, Beaufort Lagoon	-	-	-	7	-	-	4	-	1	-	-	-	-	1	-	-
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	6	-	-	3	-	-	-	-	-	-	1	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
111	Demarcation Bay & Point	-	-	-	4	-	-	2	-	-	-	-	-	-	-	-	-
112	Clarence Lagoon, Backhouse River	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-
113	Komakuk Beach, Fish Creek	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
115	Herschel Island	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-

Table B.2-35. Conditional probability of a large oil spill contacting an LS in 120 days (summer timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
7	Kosa Bruch	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
8	E. Wrangel Island, Skeletov	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
85	Utqiaġvik, Browerville, Elson Lag.	14	4	1	1	7	7	1	2	1	-	-	14	6	1	2	1
86	Dease Inlet, Plover Islands	5	1	-	-	2	3	1	1	-	-	-	5	2	-	1	-
87	Igalik & Kulgurak Island	6	2	-	-	2	3	1	-	1	-	-	6	2	1	-	-
88	Cape Simpson, Piasuk River	10	5	1	1	2	6	2	1	1	-	-	6	5	1	1	-
89	Ikpikpuk River Point Poleakoon	1	1	1	-	-	1	-	-	-	-	-	1	1	-	-	-
90	Drew & McLeod Point, Kolovik	2	1	-	-	-	1	-	-	-	-	-	1	1	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	2	2	1	1	-	2	1	-	-	-	-	-	2	1	-	-
92	Cape Halkett, Garry Creek	6	16	3	4	-	7	5	1	2	-	-	-	12	6	1	1
93	Atigaru Pt, Eskimo Isl., Kogru R.	1	4	2	1	-	2	1	-	-	-	-	-	3	2	-	-
94	Fish Creek, Tingmeachsiovik River	-	1	-	-	-	1	-	-	-	-	-	-	1	1	-	-
95	Colville River	-	2	1	1	-	1	1	-	-	-	-	-	2	1	-	-
96	Oliktok Point	-	2	1	1	-	1	1	-	-	-	-	-	2	1	-	-
97	Milne Point, Simpson Lagoon	-	5	4	3	-	1	2	-	1	-	-	-	4	4	-	1
98	Kuparuk River	-	4	5	3	-	1	3	-	1	-	-	-	2	4	-	-
99	Point Brower, Prudhoe Bay	-	4	26	4	-	1	3	-	1	-	-	-	1	5	-	-
100	Foggy Island Bay, Kadleroshilik R.	-	2	28	3	-	-	2	-	1	-	-	-	-	4	-	-
101	Bullen, Gordon & Reliance Points	-	2	11	2	-	-	1	-	-	-	-	-	-	3	-	-
102	Pt. Hopson & Sweeney, Staines R	-	1	1	4	-	-	2	-	1	-	-	-	-	5	-	-
103	Brownlow Point, Canning River	-	1	1	7	-	-	3	-	1	-	-	-	-	8	-	-
104	Collinson Point, Konganevik Point	-	-	-	3	-	-	1	-	-	-	-	-	-	3	-	-
105	Anderson Point, Sadlerochit River	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
106	Arey Island, Barter Island,	-	-	-	4	-	-	2	-	-	-	-	-	-	4	-	-
107	Kaktovik	-	-	-	6	-	-	4	-	1	-	-	-	-	3	-	-
108	Griffin Point, Oruktalik Lagoon	-	-	-	6	-	-	4	-	1	-	-	-	-	1	-	-
109	Angun Point, Beaufort Lagoon	-	-	-	7	-	-	4	-	1	-	-	-	-	1	-	-
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	6	-	-	3	-	-	-	-	-	-	1	-	-
111	Demarcation Bay & Point	-	-	-	4	-	-	2	-	-	-	-	-	-	-	-	-
112	Clarence Lagoon, Backhouse River	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-
113	Komakuk Beach, Fish Creek	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
115	Herschel Island	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-

Table B.2-36. Conditional probability of a large oil spill contacting an LS in 360 days (summer timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
7	Kosa Bruch	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
8	E. Wrangel Island, Skeletov	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-
85	Utqiaġvik, Browerville, Elson Lag.	14	4	1	1	7	7	1	2	1	-	-	14	6	1	2	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
86	Dease Inlet, Plover Islands	5	1	-	-	2	3	1	1	-	-	-	5	2	-	1	-
87	Igalik & Kulgurak Island	6	2	-	-	2	3	1	-	1	-	-	6	2	1	-	-
88	Cape Simpson, Piasuk River	10	5	1	1	2	6	2	1	1	-	-	6	5	1	1	-
89	Ikpikpuk River Point Poleakoon	1	1	1	-	-	1	-	-	-	-	-	1	1	-	-	-
90	Drew & McLeod Point, Kolovik	2	1	-	-	-	1	-	-	-	-	-	1	1	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	2	2	1	1	-	2	1	-	-	-	-	-	2	1	-	-
92	Cape Halkett, Garry Creek	6	16	3	4	-	7	5	1	2	-	-	-	12	6	1	1
93	Atigaru Pt, Eskimo Isl., Kogru R.	1	4	2	1	-	2	1	-	-	-	-	-	3	2	-	-
94	Fish Creek, Tingmeachsiovik River	-	1	-	-	-	1	-	-	-	-	-	-	1	1	-	-
95	Colville River	-	2	1	1	-	1	1	-	-	-	-	-	2	1	-	-
96	Oliktok Point	-	2	1	1	-	1	1	-	-	-	-	-	2	1	-	-
97	Milne Point, Simpson Lagoon	-	5	4	3	-	1	2	-	1	-	-	-	4	4	-	1
98	Kuparuk River	-	4	5	3	-	1	3	-	1	-	-	-	2	4	-	-
99	Point Brower, Prudhoe Bay	-	4	26	4	-	1	3	-	1	-	-	-	1	5	-	-
100	Foggy Island Bay, Kadleroshilik R.	-	2	28	3	-	-	2	-	1	-	-	-	-	4	-	-
101	Bullen, Gordon & Reliance Points	-	2	11	2	-	-	1	-	-	-	-	-	-	3	-	-
102	Pt. Hopson & Sweeney, Staines R	-	1	1	4	-	-	2	-	1	-	-	-	-	5	-	-
103	Brownlow Point, Canning River	-	1	1	7	-	-	3	-	1	-	-	-	-	8	-	-
104	Collinson Point, Konganevik Point	-	-	-	3	-	-	1	-	-	-	-	-	-	3	-	-
105	Anderson Point, Sadlerochit River	-	-	-	2	-	-	1	-	-	-	-	-	-	2	-	-
106	Arey Island, Barter Island,	-	-	-	4	-	-	2	-	-	-	-	-	-	4	-	-
107	Kaktovik	-	-	-	6	-	-	4	-	1	-	-	-	-	3	-	-
108	Griffin Point, Oruktalik Lagoon	-	-	-	6	-	-	4	-	1	-	-	-	-	1	-	-
109	Angun Point, Beaufort Lagoon	-	-	-	7	-	-	4	-	1	-	-	-	-	1	-	-
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	6	-	-	3	-	-	-	-	-	-	1	-	-
111	Demarcation Bay & Point	-	-	-	4	-	-	2	-	-	-	-	-	-	-	-	-
112	Clarence Lagoon, Backhouse River	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-
113	Komakuk Beach, Fish Creek	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
115	Herschel Island	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-

Tables B.2-37 through B.2-42 represent summer conditional probabilities (expressed as percent chance) that a large oil spill starting at a particular location will contact a certain GLS within 3, 10, 30, 90, 120, and 360 days, respectively.

Table B.2-37. Conditional probability of a large oil spill contacting a GLS in 3 days (summer timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
150	National Petroleum Reserve-Alaska	8	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-
153	TCH Insect Relief/Calving	4	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-
154	SUA: Utqiaġvik–Nuiqsut	4	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-
155	Smith Bay Spotted Seal Haulout	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
156	Teshekpuk Lake Special Area/IBA	7	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-
157	Colville River Delta IBA	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
160	CAH Insect Relief/ Calving	-	1	19	-	-	-	-	-	-	-	-	-	-	-	-	-
161	SUA: Kaktovik–Nuiqsut	-	1	19	-	-	-	-	-	-	-	-	-	-	-	-	-
162	96–115 Summer	-	1	19	4	-	-	-	-	-	-	-	-	-	1	-	-
164	99–115 Fall	-	1	27	7	-	-	-	-	-	-	-	-	-	1	-	-
165	102–110- Winter	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
166	Arctic National Wildlife Refuge	-	-	-	10	-	-	-	-	-	-	-	-	-	1	-	-
167	Northeast Arctic Coastal Plain IBA	-	-	-	9	-	-	-	-	-	-	-	-	-	1	-	-
168	PCH Insect Relief/SUA Kaktovik	-	-	-	4	-	-	-	-	-	-	-	-	-	1	-	-
171	Ivvavik National Park (Canada)	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
183	United States Beaufort Coast	9	3	47	11	-	-	-	-	-	-	-	3	1	1	-	-
184	Canada Beaufort Coast	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
150	National Petroleum Reserve-Alaska	8	1	-	-	-	-	-	-	-	-	-	2	-	-	-	-

Table B.2-38. Conditional probability of a large oil spill contacting a GLS in 10 days (summer timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
150	National Petroleum Reserve-Alaska	24	9	-	-	2	2	-	-	-	-	-	11	3	-	-	-
153	TCH Insect Relief/Calving	14	4	-	-	2	1	-	-	-	-	-	8	1	-	-	-
154	SUA: Utqiaġvik–Nuiqsut	14	4	-	-	2	1	-	-	-	-	-	8	1	-	-	-
155	Smith Bay Spotted Seal Haulout	7	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
156	Teshekpuk Lake Special Area/IBA	22	8	-	-	2	2	-	-	-	-	-	10	3	-	-	-
157	Colville River Delta IBA	1	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-
159	Harrison Bay Spotted Seal Haulout	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
160	CAH Insect Relief/ Calving	-	5	28	3	-	-	-	-	-	-	-	-	2	4	-	-
161	SUA: Kaktovik–Nuiqsut	-	5	28	3	-	-	-	-	-	-	-	-	2	4	-	-
162	96–115 Summer	-	5	28	14	-	-	2	-	-	-	-	-	2	7	-	-
163	Beaufort Muskox Habitat	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
164	99–115 Fall	-	4	37	21	-	-	5	-	-	-	-	-	-	10	-	-
165	102–110- Winter	-	-	1	11	-	-	2	-	-	-	-	-	-	4	-	-
166	Arctic National Wildlife Refuge	-	1	1	29	-	-	6	-	-	-	-	-	-	11	-	-
167	Northeast Arctic Coastal Plain IBA	-	1	-	27	-	-	5	-	-	-	-	-	-	10	-	-
168	PCH Insect Relief/SUA Kaktovik	-	-	-	11	-	-	2	-	-	-	-	-	-	4	-	-
170	Yukon Musk Ox Wintering	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
171	Ivvavik National Park (Canada)	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-
183	United States Beaufort Coast	32	23	70	34	3	3	6	-	-	-	-	17	10	18	-	-
184	Canada Beaufort Coast	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-

Table B.2-39. Conditional probability of a large oil spill contacting a GLS in 30 days (summer timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
150	National Petroleum Reserve-Alaska	34	28	6	3	7	17	2	2	1	-	-	19	24	4	2	-
153	TCH Insect Relief/Calving	20	13	3	1	6	9	1	1	-	-	-	13	11	1	1	-
154	SUA: Utqiaġvik–Nuiqsut	20	13	3	1	6	9	1	1	-	-	-	13	11	1	1	-
155	Smith Bay Spotted Seal Haulout	10	4	-	-	2	4	-	-	-	-	-	6	4	-	-	-
156	Teshekpuk Lake Special Area/IBA	30	24	5	2	6	16	2	2	-	-	-	16	21	3	2	-
157	Colville River Delta IBA	2	7	2	1	-	2	-	-	-	-	-	-	5	1	-	-
158	Colville River Delta	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
159	Harrison Bay Spotted Seal Haulout	-	3	1	1	-	1	-	-	-	-	-	-	3	1	-	-
160	CAH Insect Relief/ Calving	-	8	31	9	-	1	3	-	-	-	-	-	3	11	-	-
161	SUA: Kaktovik–Nuiqsut	-	8	31	9	-	1	3	-	-	-	-	-	3	11	-	-
162	96–115 Summer	-	8	31	24	-	1	9	-	1	-	-	-	4	17	-	-
163	Beaufort Muskox Habitat	-	1	1	1	-	-	-	-	-	-	-	-	-	1	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
164	99–115 Fall	-	6	39	33	-	1	20	-	3	-	-	-	1	23	-	2
165	102–110- Winter	-	1	1	17	-	-	9	-	1	-	-	-	-	9	-	-
166	Arctic National Wildlife Refuge	-	2	1	41	-	-	20	-	2	-	-	-	-	21	-	1
167	Northeast Arctic Coastal Plain IBA	-	1	1	36	-	-	17	-	2	-	-	-	-	18	-	1
168	PCH Insect Relief/SUA Kaktovik	-	1	1	16	-	-	6	-	-	-	-	-	-	8	-	-
170	Yukon Musk Ox Wintering	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
171	Ivvavik National Park (Canada)	-	-	-	3	-	-	3	-	-	-	-	-	-	-	-	-
183	United States Beaufort Coast	48	54	83	61	12	27	32	3	5	-	-	31	38	48	3	2
184	Canada Beaufort Coast	-	-	-	3	-	-	3	-	-	-	-	-	-	-	-	-

Table B.2-40. Conditional probability of a large oil spill contacting a GLS in 90 days (summer timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
133	Somnitel'naya Spit, Davidova Spit	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
150	National Petroleum Reserve-Alaska	35	33	8	7	7	24	10	3	5	-	-	17	24	10	3	3
153	TCH Insect Relief/Calving	20	14	4	2	6	11	2	2	1	-	-	11	11	3	2	-
154	SUA: Utqiaġvik–Nuiqsut	20	14	4	2	6	11	2	2	1	-	-	11	11	3	2	-
155	Smith Bay Spotted Seal Haulout	10	5	1	1	2	6	2	1	1	-	-	5	4	1	1	-
156	Teshekpuk Lake Special Area/IBA	31	29	6	5	6	22	9	2	4	-	-	15	21	8	3	2
157	Colville River Delta IBA	2	8	3	2	-	3	2	-	1	-	-	-	4	4	-	-
158	Colville River Delta	-	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-
159	Harrison Bay Spotted Seal Haulout	-	3	1	1	-	1	1	-	-	-	-	-	2	2	-	-
160	CAH Insect Relief/ Calving	-	8	31	10	-	1	5	-	-	-	-	-	3	11	-	-
161	SUA: Kaktovik–Nuiqsut	-	8	31	10	-	1	5	-	-	-	-	-	3	11	-	-
162	96–115 Summer	-	9	31	25	-	2	12	-	1	-	-	5	9	19	-	1
163	Beaufort Muskox Habitat	-	1	1	1	-	-	1	-	-	-	-	-	1	1	-	-
164	99–115 Fall	-	6	39	36	-	2	25	-	6	-	-	7	10	27	-	3
165	102–110- Winter	-	1	1	19	-	-	12	-	3	-	-	4	5	12	-	1
166	Arctic National Wildlife Refuge	-	2	1	43	-	1	25	-	4	-	-	9	12	27	-	2
167	Northeast Arctic Coastal Plain IBA	-	2	1	36	-	1	19	-	3	-	-	8	10	22	-	1
168	PCH Insect Relief/SUA Kaktovik	-	1	1	16	-	-	6	-	-	-	-	3	5	9	-	-
170	Yukon Musk Ox Wintering	-	-	-	1	-	-	1	-	-	-	-	1	1	-	-	-
171	Ivvavik National Park (Canada)	-	-	-	3	-	-	4	-	1	-	-	2	2	1	-	-
174	Yukon Moose	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
180	Russia Chukchi Coast M. Mammals	2	-	-	-	3	1	-	2	-	-	-	2	-	-	1	-
181	Russia Chukchi Coast	2	-	-	-	4	1	-	2	-	-	-	2	-	-	1	-
182	United States Chukchi Coast	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
183	United States Beaufort Coast	49	63	87	72	14	39	51	5	15	-	-	38	52	65	5	9
184	Canada Beaufort Coast	-	-	-	4	-	-	5	-	1	-	-	3	3	1	-	1

Table B.2-41. Conditional probability of a large oil spill contacting a GLS in 120 days (summer timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
133	Somnitel'naya Spit, Davidova Spit	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
150	National Petroleum Reserve-Alaska	35	33	8	7	7	24	10	3	5	-	-	19	29	11	3	3
153	TCH Insect Relief/Calving	20	14	4	2	6	11	2	2	1	-	-	13	13	3	2	-
154	SUA: Utqiaġvik–Nuiqsut	20	14	4	2	6	11	2	2	1	-	-	13	13	3	2	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
155	Smith Bay Spotted Seal Haulout	10	5	1	1	2	6	2	1	1	-	-	6	5	1	1	-
156	Teshekpuk Lake Special Area/IBA	31	29	6	5	6	22	9	2	4	-	-	17	26	8	3	2
157	Colville River Delta IBA	2	8	3	2	-	3	2	-	1	-	-	-	5	4	-	-
158	Colville River Delta	-	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-
159	Harrison Bay Spotted Seal Haulout	-	3	1	1	-	1	1	-	-	-	-	-	3	2	-	-
160	CAH Insect Relief/ Calving	-	8	31	10	-	1	5	-	-	-	-	-	4	12	-	-
161	SUA: Kaktovik–Nuiqsut	-	8	31	10	-	1	5	-	-	-	-	-	4	12	-	-
162	96–115 Summer	-	9	31	25	-	2	12	-	1	-	-	-	4	18	-	1
163	Beaufort Muskox Habitat	-	1	1	1	-	-	1	-	-	-	-	-	1	1	-	-
164	99–115 Fall	-	6	39	36	-	2	25	-	6	-	-	-	1	25	-	3
165	102–110- Winter	-	1	1	19	-	-	12	-	3	-	-	-	-	11	-	1
166	Arctic National Wildlife Refuge	-	2	1	43	-	1	25	-	4	-	-	-	-	23	-	2
167	Northeast Arctic Coastal Plain IBA	-	2	1	36	-	1	19	-	3	-	-	-	-	19	-	1
168	PCH Insect Relief/SUA Kaktovik	-	1	1	16	-	-	6	-	-	-	-	-	-	8	-	-
170	Yukon Musk Ox Wintering	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
171	Ivvavik National Park (Canada)	-	-	-	3	-	-	4	-	1	-	-	-	-	1	-	-
174	Yukon Moose	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
180	Russia Chukchi Coast M. Mammals	2	-	-	-	3	1	-	2	-	-	-	3	-	-	1	-
181	Russia Chukchi Coast	2	-	-	-	4	1	-	2	-	-	-	3	-	-	1	-
182	United States Chukchi Coast	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
183	United States Beaufort Coast	49	63	87	72	14	39	51	5	15	-	-	33	47	63	5	9
184	Canada Beaufort Coast	-	-	-	4	-	-	5	-	1	-	-	-	-	1	-	1

Table B.2-42. Conditional probability of a large oil spill contacting a GLS in 360 days (summer timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
133	Somnitel'naya Spit, Davidova Spit	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
150	National Petroleum Reserve-Alaska	35	33	8	7	7	24	10	3	5	-	-	19	29	11	3	3
153	TCH Insect Relief/Calving	20	14	4	2	6	11	2	2	1	-	-	13	13	3	2	-
154	SUA: Utqiaġvik–Nuiqsut	20	14	4	2	6	11	2	2	1	-	-	13	13	3	2	-
155	Smith Bay Spotted Seal Haulout	10	5	1	1	2	6	2	1	1	-	-	6	5	1	1	-
156	Teshekpuk Lake Special Area/IBA	31	29	6	5	6	22	9	2	4	-	-	17	26	8	3	2
157	Colville River Delta IBA	2	8	3	2	-	3	2	-	1	-	-	-	5	4	-	-
158	Colville River Delta	-	1	-	-	-	-	1	-	-	-	-	-	1	-	-	-
159	Harrison Bay Spotted Seal Haulout	-	3	1	1	-	1	1	-	-	-	-	-	3	2	-	-
160	CAH Insect Relief/ Calving	-	8	31	10	-	1	5	-	-	-	-	-	4	12	-	-
161	SUA: Kaktovik–Nuiqsut	-	8	31	10	-	1	5	-	-	-	-	-	4	12	-	-
162	96–115 Summer	-	9	31	25	-	2	12	-	1	-	-	-	4	18	-	1
163	Beaufort Muskox Habitat	-	1	1	1	-	-	1	-	-	-	-	-	1	1	-	-
164	99–115 Fall	-	6	39	36	-	2	25	-	6	-	-	-	1	25	-	3
165	102–110- Winter	-	1	1	19	-	-	12	-	3	-	-	-	-	11	-	1
166	Arctic National Wildlife Refuge	-	2	1	43	-	1	25	-	4	-	-	-	-	23	-	2
167	Northeast Arctic Coastal Plain IBA	-	2	1	36	-	1	19	-	3	-	-	-	-	19	-	1
168	PCH Insect Relief/SUA Kaktovik	-	1	1	16	-	-	6	-	-	-	-	-	-	8	-	-
170	Yukon Musk Ox Wintering	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
171	Ivvavik National Park (Canada)	-	-	-	3	-	-	4	-	1	-	-	-	-	1	-	-
174	Yukon Moose	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
180	Russia Chukchi Coast M. Mammals	2	-	-	-	4	1	-	2	-	-	-	3	1	-	1	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
181	Russia Chukchi Coast	2	-	-	-	4	1	-	2	-	-	-	3	1	-	1	-
182	United States Chukchi Coast	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
183	United States Beaufort Coast	49	63	87	72	14	39	51	5	15	-	-	33	47	63	5	9
184	Canada Beaufort Coast	-	-	-	4	-	-	5	-	1	-	-	-	-	1	-	1

Tables B.2-43 through B.2-48 represent summer conditional probabilities (expressed as percent chance) that a large oil spill starting at a particular location will contact a certain BS within 3, 10, 30, 90, 120, and 360 days, respectively.

Table B.2-43. Conditional probability of a large oil spill contacting a BS in 3 days (summer timeframe)

Note: All rows have all values less than 0.5%, and the table is not shown.

Table B.2-44. Conditional probability of a large oil spill contacting a BS in 10 days (summer timeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-

Table B.2-45. Conditional probability of a large oil spill contacting a BS in 30 days (summer timeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
18	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
19	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
20	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
21	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
26	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
27	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-

Table B.2-46. Conditional probability of a large oil spill contacting a BS in 90 days (summer timeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
3	Chukchi Sea	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
6	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
7	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
13	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
15	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
16	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
17	Chukchi Sea	-	-	-	-	1	-	-	-	-	2	-	1	-	-	1	-
18	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
19	Chukchi Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	2	-
20	Chukchi Sea	-	-	-	-	1	-	-	-	-	5	-	-	-	-	1	-
21	Chukchi Sea	-	-	-	-	-	-	-	-	-	6	1	-	-	-	1	-
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	6	-	-	-	-	1	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
26	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
27	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-

Table B.2-47. Conditional probability of a large oil spill contacting a BS in 120 days (summer timeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
3	Chukchi Sea	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
6	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
7	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
13	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
14	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
15	Chukchi Sea	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-
16	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
17	Chukchi Sea	-	-	-	-	1	-	-	-	-	2	-	1	-	-	1	-
18	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	-
19	Chukchi Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	2	-
20	Chukchi Sea	-	-	-	-	1	-	-	-	-	5	-	-	-	-	1	-
21	Chukchi Sea	-	-	-	-	-	-	-	-	-	6	1	-	-	-	1	-
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	6	-	-	-	-	1	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
26	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
27	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-

Table B.2-48. Conditional probability of a large oil spill contacting a BS in 360 days (summer timeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
3	Chukchi Sea	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
6	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
7	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
13	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-
14	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
15	Chukchi Sea	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-
16	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
17	Chukchi Sea	-	-	-	-	1	-	-	-	-	2	-	1	-	-	1	-
18	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	-
19	Chukchi Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	2	-
20	Chukchi Sea	-	-	-	-	1	-	-	-	-	5	-	-	-	-	1	-
21	Chukchi Sea	-	-	-	-	-	-	-	-	-	6	1	-	-	-	1	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	6	-	-	-	-	1	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
26	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
27	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-

Tables B.2-49 through B.2-55 represent winter conditional probabilities (expressed as percent chance) that a large oil spill starting at a particular location will contact a certain ERA within 3, 10, 30, 90, 120, and 360 days, respectively.

Table B.2-49. Conditional probability of a large oil spill contacting an ERA in 3 days (winter timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	10	4	49	13	-	-	-	-	-	-	-	3	2	3	-	-
2	Point Barrow, Plover Isls.	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
5	Beaufort Sea Shelf Edge IBA	1	-	-	-	5	2	-	1	-	-	-	-	-	-	-	-
7	Krill Trap	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Maguire & Flaxman Isls.	-	1	2	1	-	-	-	-	-	-	-	-	-	1	-	-
9	Stockton & McClure Isls.	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-
12	SUA: Nuiqsut-Colville River Delta	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	Angun & Beaufort Lagoons	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
19	Chukchi Sea Spring Lead System	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	Beaufort Spring Lead 1	13	-	-	-	10	-	-	-	-	-	-	6	-	-	-	-
31	Beaufort Spring Lead 2	3	-	-	-	21	-	-	2	-	-	-	25	-	-	-	-
32	Beaufort Spring Lead 3	-	-	-	-	5	2	-	5	-	-	-	1	-	-	3	-
33	Beaufort Spring Lead 4	-	-	-	-	-	1	-	6	-	-	-	-	1	-	14	-
34	Beaufort Spring Lead 5	-	-	-	-	-	-	-	3	2	-	-	-	-	-	-	-
35	Beaufort Spring Lead 6	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	1
36	Beaufort Spring Lead 7	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	14
37	Beaufort Spring Lead 8	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	4
41	SUA: Utqiaġvik-Chukchi	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
42	SUA: Utqiaġvik-East Arch	19	-	-	-	3	-	-	-	-	-	-	8	-	-	-	-
44	SUA: Kaktovik	-	-	-	13	-	-	4	-	-	-	-	-	-	16	-	-
45	Beaufort Spring Lead 9	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-
48	Chukchi Lead System 4	4	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
54	Chukchi Spring Lead 3	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
55	Point Barrow, Plover Isls.	8	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-
65	Smith Bay	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
68	Harrison Bay	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
69	Harrison Bay/Colville Delta	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
71	Simpson Lag.,Thetis & Jones Isls.	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
72	Gwyder Bay, Cottle & Return Isls.	-	1	-	-	-	-	-	-	-	-	-	-	2	-	-	-
75	Boulder Patch Area	-	2	42	-	-	-	-	-	-	-	-	-	-	-	-	-
77	Sagavanirktok Delta/Foggy Isl. Bay	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-
78	Mikkelsen Bay	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-
79	Demarcation Bay Offshore	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
80	Chukchi Sea Nearshore IBA	5	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
85	Sagavanirktok River Delta	-	1	28	-	-	-	-	-	-	-	-	-	-	-	-	-
86	Harrison Bay	6	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
87	Colville River Delta	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
88	Simpson Lagoon	-	2	-	-	-	-	-	-	-	-	-	-	2	-	-	-
92	Thetis, Jones, Cottle & Return Isl.	-	3	1	-	-	-	-	-	-	-	-	-	4	-	-	-
93	Cross & No Name Isls.	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
94	Maguire, Flaxman & Barrier Isl.	-	2	2	2	-	-	-	-	-	-	-	-	-	2	-	-
95	Arey & Barter Isls., Bernard Spit	-	-	-	1	-	-	-	-	-	-	-	-	-	2	-	-
100	Jago & Tapkaurak Spits	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
103	Saffron Cod EFH	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
105	Fish Creek	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
106	Shaviovik River	-	3	70	-	-	-	-	-	-	-	-	-	-	-	-	-
122	Bowhead Fall (Canada)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-

Table B.2-50. Conditional probability of a large oil spill contacting an ERA in 10 days (winter timeframe)

ID	ER Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	31	26	71	41	5	5	11	-	1	-	-	18	13	24	-	-
2	Point Barrow, Plover Isls.	5	-	-	-	1	-	-	-	-	-	-	4	-	-	-	-
5	Beaufort Sea Shelf Edge IBA	2	1	-	-	6	5	-	3	-	-	-	2	2	-	2	-
7	Krill Trap	5	-	-	-	2	-	-	-	-	-	-	3	-	-	-	-
8	Maguire & Flaxman Isls.	-	1	3	2	-	-	-	-	-	-	-	-	-	3	-	-
9	Stockton & McClure Isls.	-	2	5	1	-	-	-	-	-	-	-	-	-	1	-	-
12	SUA: Nuiqsut-Colville River Delta	4	8	-	-	-	1	-	-	-	-	-	-	4	-	-	-
16	Barrow Canyon	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
17	Angun & Beaufort Lagoons	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-
19	Chukchi Sea Spring Lead System	4	-	-	-	2	-	-	-	-	-	-	2	-	-	-	-
30	Beaufort Spring Lead 1	16	-	-	-	16	1	-	1	-	-	-	15	-	-	-	-
31	Beaufort Spring Lead 2	7	1	-	-	24	2	-	5	-	-	-	28	1	-	2	-
32	Beaufort Spring Lead 3	1	1	-	-	7	5	-	8	-	-	-	3	2	-	8	-
33	Beaufort Spring Lead 4	-	-	-	-	1	3	-	8	1	-	-	-	3	-	15	-
34	Beaufort Spring Lead 5	-	-	-	-	-	1	-	4	5	-	-	-	1	-	2	1
35	Beaufort Spring Lead 6	-	-	-	-	-	-	1	1	9	-	-	-	-	-	-	4
36	Beaufort Spring Lead 7	-	-	-	-	-	-	1	-	10	-	1	-	-	-	-	16
37	Beaufort Spring Lead 8	-	-	-	-	-	-	-	-	11	-	1	-	-	-	-	8
41	SUA: Utqiaġvik-Chukchi	7	-	-	-	3	-	-	-	-	-	-	4	-	-	-	-
42	SUA: Utqiaġvik-East Arch	25	1	-	-	10	1	-	1	-	-	-	19	-	-	-	-
44	SUA: Kaktovik	-	1	-	16	-	-	9	-	1	-	-	-	-	20	-	1
45	Beaufort Spring Lead 9	-	-	-	-	-	-	-	-	7	-	2	-	-	-	-	2
47	Hanna Shoal Walrus Use Area	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
48	Chukchi Lead System 4	9	-	-	-	5	-	-	-	-	-	-	7	-	-	-	-
54	Chukchi Spring Lead 3	4	-	-	-	4	-	-	-	-	-	-	3	-	-	-	-
55	Point Barrow, Plover Isls.	19	-	-	-	4	1	-	-	-	-	-	17	-	-	-	-
65	Smith Bay	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
68	Harrison Bay	2	2	-	-	-	1	-	-	-	-	-	-	1	-	-	-
69	Harrison Bay/Colville Delta	1	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-
71	Simpson Lag.,Thetis & Jones Isls.	-	2	-	-	-	-	-	-	-	-	-	-	2	-	-	-
72	Gwyder Bay, Cottle & Return Isls.	-	2	1	-	-	-	-	-	-	-	-	-	3	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ER Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
73	Prudhoe Bay	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
74	Hershel Isl.	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
75	Boulder Patch Area	-	6	48	2	-	1	-	-	-	-	-	-	2	3	-	-
77	Sagavanirktok Delta/Foggy Isl. Bay	-	1	8	-	-	-	-	-	-	-	-	-	-	-	-	-
78	Mikkelsen Bay	-	1	16	-	-	-	-	-	-	-	-	-	-	-	-	-
79	Demarcation Bay Offshore	-	-	-	4	-	-	1	-	-	-	-	-	-	-	-	-
80	Chukchi Sea Nearshore IBA	7	-	-	-	4	-	-	-	-	-	-	4	-	-	-	-
81	Simpson Cove	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
84	Canning River Delta	-	1	1	1	-	-	-	-	-	-	-	-	-	2	-	-
85	Sagavanirktok River Delta	-	4	36	1	-	-	-	-	-	-	-	-	2	2	-	-
86	Harrison Bay	8	9	1	-	-	2	-	-	-	-	-	-	4	-	-	-
87	Colville River Delta	1	7	1	-	-	1	-	-	-	-	-	-	4	-	-	-
88	Simpson Lagoon	-	7	3	-	-	1	-	-	-	-	-	-	7	-	-	-
92	Thetis, Jones, Cottle & Return Isl.	-	10	6	1	-	2	-	-	-	-	-	-	10	1	-	-
93	Cross & No Name Isls.	-	3	3	1	-	-	-	-	-	-	-	-	1	1	-	-
94	Maguire, Flaxman & Barrier Isl.	-	4	4	7	-	-	1	-	-	-	-	-	-	8	-	-
95	Arey & Barter Isls., Bernard Spit	-	-	-	5	-	-	1	-	-	-	-	-	-	6	-	-
96	Midway, Cross & Bartlett Isls.	-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-
98	Anderson Point Barrier Isls.	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	1	-	-	-	-	-	-	-	-	-	2	-	-
100	Jago & Tapkaurak Spits	-	-	-	2	-	-	1	-	-	-	-	-	-	1	-	-
103	Saffron Cod EFH	6	-	-	-	3	-	-	-	-	-	-	3	-	-	-	-
105	Fish Creek	4	8	-	-	-	1	-	-	-	-	-	-	3	-	-	-
106	Shaviovik River	-	8	73	3	-	1	-	-	-	-	-	-	2	4	-	-
109	AK BFT Shelf Edge	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
110	AK BFT Outer Shelf & Slope 1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
111	AK BFT Outer Shelf & Slope 2	-	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-
112	AK BFT Outer Shelf & Slope 3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
114	AK BFT Outer Shelf & Slope 5	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-
115	AK BFT Outer Shelf & Slope 6	-	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-
116	AK BFT Outer Shelf & Slope 7	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-
117	AK BFT Outer Shelf & Slope 8	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
118	AK BFT Outer Shelf & Slope 9	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
119	AK BFT Outer Shelf & Slope 10	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
122	Bowhead Fall (Canada)	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-

Table B.2-51. Conditional probability of a large oil spill contacting an ERA in 30 days (winter timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	50	55	84	70	17	31	44	5	12	-	1	36	40	57	5	7
2	Point Barrow, Plover Isls.	8	1	-	-	4	1	-	1	-	-	-	9	1	-	1	-
5	Beaufort Sea Shelf Edge IBA	4	3	-	-	8	9	1	5	2	-	-	5	6	1	4	1
6	Hanna Shoal	3	-	-	-	5	-	-	2	-	-	-	3	-	-	1	-
7	Krill Trap	7	1	-	-	4	1	-	1	-	-	-	7	1	-	1	-
8	Maguire & Flaxman Isls.	-	2	3	4	-	1	2	-	-	-	-	-	1	6	-	-
9	Stockton & McClure Isls.	-	3	5	2	-	1	1	-	-	-	-	-	1	2	-	-
12	SUA: Nuiqsut-Colville River Delta	4	12	1	1	1	5	1	-	1	-	-	-	9	2	1	-
16	Barrow Canyon	3	-	-	-	3	-	-	1	-	-	-	2	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
17	Angun & Beaufort Lagoons	-	-	-	3	-	-	2	-	-	-	-	-	-	1	-	-
19	Chukchi Sea Spring Lead System	6	1	-	-	6	1	-	1	-	-	-	6	1	-	1	-
23	Polar Bear Offshore	1	-	-	-	4	-	-	1	-	-	-	2	-	-	-	-
30	Beaufort Spring Lead 1	20	2	-	-	22	5	-	5	-	-	-	20	3	-	4	-
31	Beaufort Spring Lead 2	10	3	1	-	27	7	1	9	1	-	-	30	5	-	7	-
32	Beaufort Spring Lead 3	4	3	1	-	10	9	1	12	3	-	1	6	6	1	11	1
33	Beaufort Spring Lead 4	1	2	-	-	3	7	2	11	5	-	2	2	6	1	16	3
34	Beaufort Spring Lead 5	-	1	-	-	-	4	1	6	9	-	2	-	4	1	4	5
35	Beaufort Spring Lead 6	-	1	-	-	-	2	2	2	13	-	2	-	2	1	1	8
36	Beaufort Spring Lead 7	-	1	-	-	-	1	2	1	14	-	3	-	1	1	-	18
37	Beaufort Spring Lead 8	-	-	-	-	-	-	1	-	14	-	4	-	-	1	-	11
40	SUA: Icy Cape-Wainwright	1	-	-	-	2	-	-	-	-	-	-	1	-	-	-	-
41	SUA: Utqiaġvik-Chukchi	13	1	-	-	10	2	-	2	-	-	-	11	2	-	1	-
42	SUA: Utqiaġvik-East Arch	30	4	1	-	19	8	-	5	1	-	-	29	6	-	4	-
44	SUA: Kaktovik	-	2	2	18	-	2	13	-	4	-	-	-	1	22	-	2
45	Beaufort Spring Lead 9	-	-	-	-	-	-	1	-	11	-	7	-	-	-	-	8
47	Hanna Shoal Walrus Use Area	4	-	-	-	9	1	-	4	-	1	-	5	1	-	2	-
48	Chukchi Lead System 4	15	2	-	-	13	3	-	2	-	-	-	14	2	-	2	-
54	Chukchi Spring Lead 3	7	1	-	-	10	1	-	2	-	-	-	7	1	-	1	-
55	Point Barrow, Plover Isls.	28	4	1	-	11	6	-	3	-	-	-	29	5	-	3	-
57	Skull Cliffs	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
61	Pont Lay–Utqiaġvik BH GW SFF	2	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-
64	Peard Bay/Franklin Spit Area	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
65	Smith Bay	3	-	-	-	1	1	-	-	-	-	-	2	1	-	-	-
67	Herschel Island (Canada)	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
68	Harrison Bay	3	5	1	-	-	3	1	-	-	-	-	-	4	1	-	-
69	Harrison Bay/Colville Delta	1	5	-	-	-	2	1	-	-	-	-	-	4	1	-	-
71	Simpson Lag.,Thetis & Jones Isls.	-	4	1	1	-	2	1	-	-	-	-	-	4	1	-	-
72	Gwyder Bay, Cottle & Return Isls.	-	4	2	1	-	1	1	-	-	-	-	-	4	1	-	-
73	Prudhoe Bay	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
74	Hershel Isl.	-	-	-	2	-	-	3	-	1	-	-	-	-	1	-	-
75	Boulder Patch Area	-	8	49	5	-	2	3	-	1	-	-	-	3	8	-	-
76	Kendall Isl. Bird Sanctuary (Canda)	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
77	Sagavanirktok Delta/Foggy Isl. Bay	-	2	9	1	-	1	1	-	-	-	-	-	1	2	-	-
78	Mikkelsen Bay	-	1	16	1	-	-	1	-	-	-	-	-	-	1	-	-
79	Demarcation Bay Offshore	-	-	-	5	-	-	3	-	1	-	-	-	-	1	-	1
80	Chukchi Sea Nearshore IBA	10	1	-	-	8	2	-	2	-	-	-	9	1	-	1	-
81	Simpson Cove	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-
84	Canning River Delta	-	2	1	2	-	-	1	-	-	-	-	-	-	3	-	-
85	Sagavanirktok River Delta	-	6	38	4	-	2	2	-	1	-	-	-	3	6	-	-
86	Harrison Bay	9	16	3	1	1	7	2	1	1	-	-	1	10	2	1	-
87	Colville River Delta	2	10	1	1	-	3	1	-	-	-	-	-	7	1	-	-
88	Simpson Lagoon	1	11	4	2	-	5	2	-	1	-	-	-	11	2	-	-
89	Mackenzie River Delta	-	-	-	1	-	-	2	-	1	-	-	-	-	1	-	1
91	Bowhead Whale Summer (Ca)	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-
92	Thetis, Jones, Cottle & Return Isl.	1	15	8	4	-	6	3	-	1	-	-	-	16	5	-	1
93	Cross & No Name Isls.	-	4	4	2	-	1	1	-	-	-	-	-	3	2	-	-
94	Maguire, Flaxman & Barrier Isl.	-	6	6	11	-	2	5	-	1	-	-	-	1	14	-	1
95	Arey & Barter Isls., Bernard Spit	-	1	1	7	-	-	4	-	1	-	-	-	-	9	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
96	Midway, Cross & Bartlett Isls.	-	2	1	1	-	1	-	-	-	-	-	-	1	1	-	-
98	Anderson Point Barrier Isls.	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
99	Arey & Barter Isls., Bernard Spit	-	-	-	2	-	-	1	-	-	-	-	-	-	3	-	-
100	Jago & Tapkaurak Spits	-	-	-	2	-	-	2	-	-	-	-	-	-	2	-	-
103	Saffron Cod EFH	10	1	-	-	9	1	-	2	-	-	-	9	1	-	1	-
105	Fish Creek	4	12	1	1	-	4	1	-	-	-	-	-	7	1	-	-
106	Shaviovik River	-	11	73	7	-	3	4	-	1	-	-	-	4	10	-	1
109	AK BFT Shelf Edge	-	-	-	1	-	-	3	-	1	-	-	-	-	2	-	1
110	AK BFT Outer Shelf & Slope 1	-	-	-	1	-	-	3	-	2	-	-	-	-	1	-	2
111	AK BFT Outer Shelf & Slope 2	-	-	-	1	-	-	2	-	2	-	-	-	-	2	-	1
112	AK BFT Outer Shelf & Slope 3	-	1	1	1	-	1	2	-	1	-	-	-	-	2	-	1
113	AK BFT Outer Shelf & Slope 4	-	1	-	1	-	2	1	-	1	-	-	-	1	1	-	1
114	AK BFT Outer Shelf & Slope 5	-	1	-	-	-	2	1	-	1	-	-	-	2	-	1	-
115	AK BFT Outer Shelf & Slope 6	-	1	-	-	-	3	-	1	1	-	-	-	3	-	1	-
116	AK BFT Outer Shelf & Slope 7	1	1	-	-	1	3	-	2	1	-	-	1	2	-	2	-
117	AK BFT Outer Shelf & Slope 8	1	1	-	-	2	2	-	1	-	-	-	2	1	-	1	-
118	AK BFT Outer Shelf & Slope 9	1	-	-	-	3	1	-	1	-	-	-	3	1	-	1	-
119	AK BFT Outer Shelf & Slope 10	3	-	-	-	5	1	-	1	-	-	-	4	1	-	1	-
122	Bowhead Fall (Canada)	-	-	-	1	-	-	3	-	1	-	-	-	-	-	-	-

Table B.2-52. Conditional probability of a large oil spill contacting an ERA in 90 days (winter timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	61	70	89	83	34	50	69	19	37	4	9	49	58	75	16	27
2	Point Barrow, Plover Isls.	9	2	-	-	5	3	-	3	1	-	1	10	2	1	2	1
5	Beaufort Sea Shelf Edge IBA	5	5	1	2	9	11	4	6	5	-	2	7	8	3	5	4
6	Hanna Shoal	7	1	-	-	9	2	-	5	1	1	1	7	2	-	3	-
7	Krill Trap	8	2	-	-	6	3	1	2	1	-	-	8	2	-	2	1
8	Maguire & Flaxman Isls.	-	3	3	5	-	1	3	-	1	-	-	-	1	7	-	1
9	Stockton & McClure Isls.	-	3	5	2	-	1	2	-	1	-	-	-	1	3	-	1
11	Wrangel Isl. 12 nmi & Offshore	2	-	-	-	6	1	-	4	-	4	-	3	-	-	3	-
12	SUA: Nuiqsut-Colville River Delta	4	14	2	2	1	7	3	1	2	-	-	1	10	3	1	2
15	Cape Lisburne Seabird Area	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
16	Barrow Canyon	4	1	-	-	5	1	-	2	-	-	-	3	1	-	1	-
17	Angun & Beaufort Lagoons	-	-	-	3	-	-	2	-	1	-	-	-	-	1	-	1
18	Murre Rearing & Molting Area	1	-	-	-	2	-	-	1	-	1	-	1	-	-	1	-
19	Chukchi Sea Spring Lead System	7	1	-	-	8	2	-	3	1	-	-	7	1	-	3	-
23	Polar Bear Offshore	4	1	-	-	9	1	-	5	1	1	-	6	1	-	3	-
30	Beaufort Spring Lead 1	20	4	1	1	23	6	1	8	3	-	1	21	5	1	6	2
31	Beaufort Spring Lead 2	11	5	1	1	28	9	2	12	5	-	3	31	7	2	9	3
32	Beaufort Spring Lead 3	5	4	1	1	12	10	3	13	6	-	4	8	7	2	12	5
33	Beaufort Spring Lead 4	3	3	-	1	4	8	3	12	8	-	5	4	7	2	17	7
34	Beaufort Spring Lead 5	1	3	-	-	1	6	2	7	11	-	5	1	5	1	5	8
35	Beaufort Spring Lead 6	-	2	1	1	-	4	3	3	15	-	5	-	4	1	2	10
36	Beaufort Spring Lead 7	-	2	1	1	-	2	3	2	16	-	6	-	2	2	1	20
37	Beaufort Spring Lead 8	-	1	-	1	-	2	2	1	16	-	7	-	2	1	1	13
40	SUA: Icy Cape-Wainwright	2	-	-	-	4	1	-	1	-	-	-	3	-	-	1	-
41	SUA: Utqiaġvik-Chukchi	15	3	1	-	13	4	-	4	1	-	-	15	3	1	3	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
42	SUA: Utqiaġvik-East Arch	32	7	2	2	22	13	2	10	5	-	2	31	10	2	9	3
43	SUA: Nuiqsut-Cross Isl.	-	1	-	1	-	1	1	-	1	-	-	-	1	1	-	1
44	SUA: Kaktovik	-	3	2	18	-	3	15	1	6	-	1	-	2	23	1	4
45	Beaufort Spring Lead 9	1	1	-	1	1	1	2	1	13	-	11	1	1	2	1	11
46	Wrangel Isl. 12 nmi Buffer 2	1	-	-	-	3	-	-	2	-	2	-	2	-	-	1	-
47	Hanna Shoal Walrus Use Area	8	2	-	-	15	4	-	11	1	3	2	10	3	-	8	1
48	Chukchi Lead System 4	17	4	-	1	17	6	1	5	1	-	-	17	4	1	3	1
49	Chukchi Spring Lead 1	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
50	Pt. Lay Walrus	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
52	Russian Coast Walrus Offshore	1	-	-	-	2	-	-	1	-	-	-	1	-	-	1	-
53	Chukchi Spring Lead 2	1	-	-	-	2	-	-	1	-	-	-	1	-	-	-	-
54	Chukchi Spring Lead 3	8	2	-	-	12	3	-	5	1	-	-	8	2	-	4	1
55	Point Barrow, Plover Isls.	31	7	1	1	15	11	2	6	3	-	1	32	10	1	6	2
56	Hanna Shoal Area	1	-	-	-	1	-	-	1	-	-	-	1	-	-	1	-
57	Skull Cliffs	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
60	SUA: King Pt.-Shallow Bay	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
61	Pont Lay–Utqiaġvik BH GW SFF	3	1	-	-	2	2	-	1	-	-	-	3	2	-	1	-
62	Herald Shoal Polynya 2	1	-	-	-	2	-	-	2	-	1	-	1	-	-	1	-
64	Peard Bay/Franklin Spit Area	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
65	Smith Bay	3	1	-	-	1	2	-	1	1	-	-	2	1	-	1	-
66	Herald Island	-	-	-	-	1	-	-	1	-	1	-	1	-	-	1	-
67	Herschel Island (Canada)	-	-	-	1	-	-	1	-	1	-	-	-	-	1	-	1
68	Harrison Bay	3	6	1	1	-	4	2	-	2	-	-	1	5	2	-	1
69	Harrison Bay/Colville Delta	2	6	1	1	-	3	1	-	1	-	-	-	4	1	-	1
70	North Central Chukchi	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
71	Simpson Lag.,Thetis & Jones Isls.	-	4	1	1	-	2	1	-	1	-	-	-	4	1	-	1
72	Gwyder Bay, Cottle & Return Isls.	-	4	2	2	-	2	2	-	1	-	-	-	5	2	-	1
73	Prudhoe Bay	-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-
74	Hershel Isl.	-	-	-	3	-	-	4	-	3	-	1	-	-	2	-	2
75	Boulder Patch Area	-	9	49	6	-	3	5	-	2	-	-	-	4	10	-	1
76	Kendall Isl. Bird Sanctuary (Canda)	-	-	-	1	-	-	3	-	2	-	1	-	-	1	-	1
77	Sagavanirktok Delta/Foggy Isl. Bay	-	2	9	2	-	1	2	-	1	-	-	-	1	2	-	1
78	Mikkelsen Bay	-	1	16	1	-	1	1	-	-	-	-	-	-	2	-	-
79	Demarcation Bay Offshore	-	-	-	5	-	-	4	-	2	-	-	-	-	1	-	1
80	Chukchi Sea Nearshore IBA	11	3	-	1	10	4	1	4	2	-	1	10	3	1	3	1
81	Simpson Cove	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-
82	North Chukotka Nearshore 2	2	-	-	-	3	1	-	2	-	1	-	2	1	-	1	-
83	North Chukotka Nearshore 3	1	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-
84	Canning River Delta	-	2	1	3	-	1	1	-	1	-	-	-	-	3	-	-
85	Sagavanirktok River Delta	-	7	38	5	-	3	4	-	2	-	-	-	4	8	-	1
86	Harrison Bay	10	18	4	3	1	10	4	1	3	-	-	1	13	5	2	3
87	Colville River Delta	2	12	2	2	1	5	3	1	2	-	-	1	8	3	1	1
88	Simpson Lagoon	1	13	5	3	1	6	4	1	2	-	-	1	13	4	1	2
89	Mackenzie River Delta	-	-	-	2	-	1	5	-	3	-	2	-	1	2	-	3
91	Bowhead Whale Summer (Ca)	-	-	-	1	-	-	2	-	3	-	3	-	-	1	-	3
92	Thetis, Jones, Cottle & Return Isl.	1	17	9	5	1	8	6	1	3	-	-	1	18	7	1	2
93	Cross & No Name Isls.	-	5	4	2	-	2	2	-	1	-	-	-	3	3	-	1
94	Maguire, Flaxman & Barrier Isl.	-	7	6	13	-	3	7	-	3	-	-	-	2	16	-	2

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
95	Arey & Barter Isls., Bernard Spit	-	1	1	8	-	1	5	-	2	-	-	-	1	10	-	1
96	Midway, Cross & Bartlett Isls.	-	2	1	1	-	1	1	-	1	-	-	-	2	1	-	-
98	Anderson Point Barrier Isls.	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-
99	Arey & Barter Isls., Bernard Spit	-	1	-	2	-	1	2	-	1	-	-	-	1	3	-	-
100	Jago & Tapkaurak Spits	-	-	-	2	-	-	2	-	1	-	-	-	-	2	-	1
102	Opilio Crab EFH	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
103	Saffron Cod EFH	14	3	1	-	14	4	-	4	1	-	-	13	3	-	3	-
104	Ledyard Bay-Icy Cape IBA	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
105	Fish Creek	5	14	2	2	1	5	3	1	2	-	-	1	8	3	1	1
106	Shaviovik River	-	12	73	8	-	4	6	-	3	-	-	-	4	13	1	2
107	Point Hope Offshore	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
109	AK BFT Shelf Edge	-	-	-	2	-	1	4	-	2	-	1	-	-	2	-	2
110	AK BFT Outer Shelf & Slope 1	-	1	-	2	-	1	4	-	4	-	2	-	-	2	-	4
111	AK BFT Outer Shelf & Slope 2	-	1	-	2	-	1	4	1	4	-	1	-	1	3	-	3
112	AK BFT Outer Shelf & Slope 3	-	1	1	2	-	2	4	1	3	-	1	-	1	3	1	2
113	AK BFT Outer Shelf & Slope 4	-	2	1	2	-	2	3	1	3	-	1	-	2	2	1	2
114	AK BFT Outer Shelf & Slope 5	-	2	1	1	-	3	2	1	3	-	1	-	3	2	1	2
115	AK BFT Outer Shelf & Slope 6	1	2	1	1	1	4	2	1	3	-	1	1	4	1	2	2
116	AK BFT Outer Shelf & Slope 7	2	3	1	1	2	5	2	3	4	-	2	2	4	1	3	3
117	AK BFT Outer Shelf & Slope 8	2	2	-	-	3	4	1	3	3	-	1	3	4	1	3	2
118	AK BFT Outer Shelf & Slope 9	2	1	-	-	4	3	1	3	2	-	1	4	2	-	2	2
119	AK BFT Outer Shelf & Slope 10	4	2	-	-	7	3	1	3	2	-	1	6	3	1	2	1
121	Cape Lisburne–Pt. Hope	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
122	Bowhead Fall (Canada)	-	-	-	1	-	-	3	-	1	-	-	-	-	-	-	-

Table B.2-53. Conditional probability of a large oil spill contacting an ERA in 120 days (winter timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	62	70	89	83	35	51	69	19	37	5	10	49	58	75	16	27
2	Point Barrow, Plover Isls.	9	2	-	-	5	3	-	3	1	-	1	10	2	1	2	1
3	SUA: Enurmino-Neshkan/Russia	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
5	Beaufort Sea Shelf Edge IBA	5	5	1	2	9	11	4	6	5	-	2	7	8	3	5	4
6	Hanna Shoal	7	1	-	-	9	2	-	5	1	1	1	7	2	-	3	-
7	Krill Trap	8	2	-	-	6	3	1	2	1	-	-	8	2	-	2	1
8	Maguire & Flaxman Isls.	-	3	3	5	-	1	3	-	1	-	-	-	1	7	-	1
9	Stockton & McClure Isls.	-	3	5	2	-	1	2	-	1	-	-	-	1	3	-	1
11	Wrangel Isl. 12 nmi & Offshore	2	-	-	-	7	1	-	4	-	5	-	4	1	-	3	-
12	SUA: Nuiqsut-Colville River Delta	4	14	2	2	1	7	3	1	2	-	-	1	10	3	1	2
15	Cape Lisburne Seabird Area	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
16	Barrow Canyon	4	1	-	-	5	1	-	2	-	-	-	3	1	-	1	-
17	Angun & Beaufort Lagoons	-	-	-	3	-	-	2	-	1	-	-	-	-	1	-	1
18	Murre Rearing & Molting Area	2	-	-	-	3	-	-	2	-	1	-	2	-	-	1	-
19	Chukchi Sea Spring Lead System	7	1	-	-	8	2	-	3	1	-	-	7	1	-	3	-
23	Polar Bear Offshore	4	1	-	-	9	1	-	5	1	1	-	6	1	-	3	-
30	Beaufort Spring Lead 1	20	4	1	1	23	6	1	8	3	-	1	21	5	1	6	2
31	Beaufort Spring Lead 2	11	5	1	1	28	9	2	12	5	-	3	31	7	2	9	3
32	Beaufort Spring Lead 3	5	4	1	1	12	10	3	13	6	-	4	8	7	2	12	5
33	Beaufort Spring Lead 4	3	3	-	1	4	8	3	12	8	-	5	4	7	2	17	7

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
34	Beaufort Spring Lead 5	1	3	-	-	1	6	2	7	11	-	5	1	5	1	5	8
35	Beaufort Spring Lead 6	-	2	1	1	-	4	3	3	15	-	5	-	4	1	2	10
36	Beaufort Spring Lead 7	-	2	1	1	-	2	3	2	16	-	6	-	2	2	1	20
37	Beaufort Spring Lead 8	-	1	-	1	-	2	2	1	16	-	7	-	2	1	1	13
40	SUA: Icy Cape-Wainwright	2	-	-	-	4	1	-	1	-	-	-	3	-	-	1	-
41	SUA: Utqiaġvik-Chukchi	15	3	1	-	13	4	-	4	1	-	-	15	3	1	3	1
42	SUA: Utqiaġvik-East Arch	32	7	2	2	22	13	2	10	5	-	2	31	10	2	9	3
43	SUA: Nuiqsut-Cross Isl.	-	1	-	1	-	1	1	-	1	-	-	-	1	1	-	1
44	SUA: Kaktovik	-	3	2	18	-	3	15	1	6	-	1	-	2	23	1	4
45	Beaufort Spring Lead 9	1	1	-	1	1	1	2	1	13	-	11	1	1	2	1	11
46	Wrangel Isl. 12 nmi Buffer 2	1	-	-	-	3	-	-	2	-	2	-	2	-	-	1	-
47	Hanna Shoal Walrus Use Area	8	2	-	-	15	4	-	11	1	3	2	10	3	-	8	1
48	Chukchi Lead System 4	17	4	-	1	17	6	1	5	1	-	-	17	4	1	3	1
49	Chukchi Spring Lead 1	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
50	Pt. Lay Walrus	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
52	Russian Coast Walrus Offshore	2	-	-	-	3	-	-	2	-	1	-	2	-	-	1	-
53	Chukchi Spring Lead 2	1	-	-	-	2	-	-	1	-	-	-	1	-	-	-	-
54	Chukchi Spring Lead 3	8	2	-	-	12	3	-	5	1	-	-	8	2	-	4	1
55	Point Barrow, Plover Isls.	31	7	1	1	15	11	2	6	3	-	1	32	10	1	6	2
56	Hanna Shoal Area	1	-	-	-	1	-	-	1	-	-	-	1	-	-	1	-
57	Skull Cliffs	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
58	Russian Coast Walrus Nearshore	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
60	SUA: King Pt.-Shallow Bay	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
61	Pont Lay–Utqiaġvik BH GW SFF	3	1	-	-	2	2	-	1	-	-	-	3	2	-	1	-
62	Herald Shoal Polynya 2	1	-	-	-	3	-	-	2	-	1	-	2	-	-	1	-
64	Peard Bay/Franklin Spit Area	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
65	Smith Bay	3	1	-	-	1	2	-	1	1	-	-	2	1	-	1	-
66	Herald Island	-	-	-	-	1	-	-	1	-	1	-	1	-	-	1	-
67	Herschel Island (Canada)	-	-	-	1	-	-	1	-	1	-	-	-	-	1	-	1
68	Harrison Bay	3	6	1	1	-	4	2	-	2	-	-	1	5	2	-	1
69	Harrison Bay/Colville Delta	2	6	1	1	-	3	1	-	1	-	-	-	4	1	-	1
70	North Central Chukchi	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
71	Simpson Lag.,Thetis & Jones Isls.	-	4	1	1	-	2	1	-	1	-	-	-	4	1	-	1
72	Gwyder Bay, Cottle & Return Isls.	-	4	2	2	-	2	2	-	1	-	-	-	5	2	-	1
73	Prudhoe Bay	-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-
74	Hershel Isl.	-	-	-	3	-	-	4	-	3	-	1	-	-	2	-	2
75	Boulder Patch Area	-	9	49	6	-	3	5	-	2	-	-	-	4	10	-	1
76	Kendall Isl. Bird Sanctuary (Canda)	-	-	-	1	-	-	3	-	2	-	1	-	-	1	-	1
77	Sagavanirktok Delta/Foggy Isl. Bay	-	2	9	2	-	1	2	-	1	-	-	-	1	2	-	1
78	Mikkelsen Bay	-	1	16	1	-	1	1	-	-	-	-	-	-	2	-	-
79	Demarcation Bay Offshore	-	-	-	5	-	-	4	-	2	-	-	-	-	1	-	1
80	Chukchi Sea Nearshore IBA	11	3	-	1	10	4	1	4	2	-	1	10	3	1	3	1
81	Simpson Cove	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-
82	North Chukotka Nearshore 2	2	1	-	-	4	1	-	2	-	1	-	2	1	-	1	-
83	North Chukotka Nearshore 3	1	-	-	-	2	-	-	1	-	-	-	1	-	-	-	-
84	Canning River Delta	-	2	1	3	-	1	1	-	1	-	-	-	-	3	-	-
85	Sagavanirktok River Delta	-	7	38	5	-	3	4	-	2	-	-	-	4	8	-	1
86	Harrison Bay	10	18	4	3	1	10	4	1	3	-	-	1	13	5	2	3

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
87	Colville River Delta	2	12	2	2	1	5	3	1	2	-	-	1	8	3	1	1
88	Simpson Lagoon	1	13	5	3	1	6	4	1	2	-	-	1	13	4	1	2
89	Mackenzie River Delta	-	-	-	2	-	1	5	-	3	-	2	-	1	2	-	3
91	Bowhead Whale Summer (Ca)	-	-	-	1	-	-	2	-	3	-	3	-	-	1	-	3
92	Thetis, Jones, Cottle & Return Isl.	1	17	9	5	1	8	6	1	3	-	-	1	18	7	1	2
93	Cross & No Name Isls.	-	5	4	2	-	2	2	-	1	-	-	-	3	3	-	1
94	Maguire, Flaxman & Barrier Isl.	-	7	6	13	-	3	7	-	3	-	-	-	2	16	-	2
95	Arey & Barter Isls., Bernard Spit	-	1	1	8	-	1	5	-	2	-	-	-	1	10	-	1
96	Midway, Cross & Bartlett Isls.	-	2	1	1	-	1	1	-	1	-	-	-	2	1	-	-
98	Anderson Point Barrier Isls.	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-
99	Arey & Barter Isls., Bernard Spit	-	1	-	2	-	1	2	-	1	-	-	-	1	3	-	-
100	Jago & Tapkaurak Spits	-	-	-	2	-	-	2	-	1	-	-	-	-	2	-	1
102	Opilio Crab EFH	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
103	Saffron Cod EFH	14	3	1	-	14	4	-	5	1	-	-	13	3	-	3	-
104	Ledyard Bay-Icy Cape IBA	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
105	Fish Creek	5	14	2	2	1	5	3	1	2	-	-	1	8	3	1	1
106	Shaviovik River	-	12	73	8	-	4	6	-	3	-	-	-	4	13	1	2
107	Point Hope Offshore	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
109	AK BFT Shelf Edge	-	-	-	2	-	1	4	-	2	-	1	-	-	2	-	2
110	AK BFT Outer Shelf & Slope 1	-	1	-	2	-	1	4	-	4	-	2	-	-	2	-	4
111	AK BFT Outer Shelf & Slope 2	-	1	-	2	-	1	4	1	4	-	1	-	1	3	-	3
112	AK BFT Outer Shelf & Slope 3	-	1	1	2	-	2	4	1	3	-	1	-	1	3	1	2
113	AK BFT Outer Shelf & Slope 4	-	2	1	2	-	2	3	1	3	-	1	-	2	2	1	2
114	AK BFT Outer Shelf & Slope 5	-	2	1	1	-	3	2	1	3	-	1	-	3	2	1	2
115	AK BFT Outer Shelf & Slope 6	1	2	1	1	1	4	2	1	3	-	1	1	4	1	2	2
116	AK BFT Outer Shelf & Slope 7	2	3	1	1	2	5	2	3	4	-	2	2	4	1	3	3
117	AK BFT Outer Shelf & Slope 8	2	2	-	-	3	4	1	3	3	-	1	3	4	1	3	2
118	AK BFT Outer Shelf & Slope 9	2	1	-	-	4	3	1	3	2	-	1	4	2	-	2	2
119	AK BFT Outer Shelf & Slope 10	4	2	-	-	7	3	1	3	2	-	1	6	3	1	2	1
121	Cape Lisburne–Pt. Hope	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
122	Bowhead Fall (Canada)	-	-	-	1	-	-	3	-	1	-	-	-	-	-	-	-

Table B.2-54. Conditional probability of a large oil spill contacting an ERA in 360 days (winter timeframe)

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
0	Land	62	70	89	83	36	51	69	20	37	5	10	49	58	75	17	27
2	Point Barrow, Plover Isls.	9	2	-	-	5	3	-	3	1	-	1	10	2	1	2	1
3	SUA: Enurmino-Neshkan/Russia	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
5	Beaufort Sea Shelf Edge IBA	5	5	1	2	9	11	4	6	5	-	2	7	8	3	5	4
6	Hanna Shoal	7	1	-	-	9	2	-	5	1	1	1	7	2	-	3	-
7	Krill Trap	8	2	-	-	6	3	1	2	1	-	-	8	2	-	2	1
8	Maguire & Flaxman Isls.	-	3	3	5	-	1	3	-	1	-	-	-	1	7	-	1
9	Stockton & McClure Isls.	-	3	5	2	-	1	2	-	1	-	-	-	1	3	-	1
11	Wrangel Isl. 12 nmi & Offshore	2	-	-	-	7	1	-	4	-	5	1	4	1	-	3	-
12	SUA: Nuiqsut-Colville River Delta	4	14	2	2	1	7	3	1	2	-	-	1	10	3	1	2
15	Cape Lisburne Seabird Area	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
16	Barrow Canyon	4	1	-	-	5	1	-	2	-	-	-	3	1	-	1	-
17	Angun & Beaufort Lagoons	-	-	-	3	-	-	2	-	1	-	-	-	-	1	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
18	Murre Rearing & Molting Area	2	-	-	-	3	-	-	2	-	1	-	2	-	-	1	-
19	Chukchi Sea Spring Lead System	7	1	-	-	8	2	-	3	1	-	-	7	1	-	3	-
23	Polar Bear Offshore	4	1	-	-	10	1	-	5	1	1	-	6	1	-	3	-
30	Beaufort Spring Lead 1	20	4	1	1	23	6	1	8	3	-	1	21	5	1	6	2
31	Beaufort Spring Lead 2	11	5	1	1	28	9	2	12	5	-	3	31	7	2	9	3
32	Beaufort Spring Lead 3	5	4	1	1	12	10	3	13	6	-	4	8	7	2	12	5
33	Beaufort Spring Lead 4	3	3	-	1	4	8	3	12	8	-	5	4	7	2	17	7
34	Beaufort Spring Lead 5	1	3	-	-	1	6	2	7	11	-	5	1	5	1	5	8
35	Beaufort Spring Lead 6	-	2	1	1	-	4	3	3	15	-	5	-	4	1	2	10
36	Beaufort Spring Lead 7	-	2	1	1	-	2	3	2	16	-	6	-	2	2	1	20
37	Beaufort Spring Lead 8	-	1	-	1	-	2	2	1	16	-	7	-	2	1	1	13
40	SUA: Icy Cape-Wainwright	2	-	-	-	4	1	-	1	-	-	-	3	-	-	1	-
41	SUA: Utqiaġvik-Chukchi	15	3	1	-	13	4	-	4	1	-	-	15	3	1	3	1
42	SUA: Utqiaġvik-East Arch	32	7	2	2	22	13	2	10	5	-	2	31	10	2	9	3
43	SUA: Nuiqsut-Cross Isl.	-	1	-	1	-	1	1	-	1	-	-	-	1	1	-	1
44	SUA: Kaktovik	-	3	2	18	-	3	15	1	6	-	1	-	2	23	1	4
45	Beaufort Spring Lead 9	1	1	-	1	1	1	2	1	13	-	11	1	1	2	1	11
46	Wrangel Isl. 12 nmi Buffer 2	1	-	-	-	3	-	-	2	-	2	-	2	-	-	1	-
47	Hanna Shoal Walrus Use Area	8	2	-	-	15	4	-	11	1	3	2	10	3	-	8	1
48	Chukchi Lead System 4	17	4	-	1	17	6	1	5	1	-	-	17	4	1	3	1
49	Chukchi Spring Lead 1	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
50	Pt. Lay Walrus	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
52	Russian Coast Walrus Offshore	2	-	-	-	3	-	-	2	-	1	-	2	-	-	1	-
53	Chukchi Spring Lead 2	1	-	-	-	2	-	-	1	-	-	-	1	-	-	-	-
54	Chukchi Spring Lead 3	8	2	-	-	12	3	-	5	1	-	-	8	2	-	4	1
55	Point Barrow, Plover Isls.	31	7	1	1	15	11	2	6	3	-	1	32	10	1	6	2
56	Hanna Shoal Area	1	-	-	-	1	-	-	1	-	-	-	1	-	-	1	-
57	Skull Cliffs	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
58	Russian Coast Walrus Nearshore	1	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-
60	SUA: King Pt.-Shallow Bay	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-
61	Pont Lay–Utqiaġvik BH GW SFF	3	1	-	-	2	2	-	1	-	-	-	3	2	-	1	-
62	Herald Shoal Polynya 2	1	-	-	-	3	-	-	2	-	1	-	2	-	-	1	-
64	Peard Bay/Franklin Spit Area	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
65	Smith Bay	3	1	-	-	1	2	-	1	1	-	-	2	1	-	1	-
66	Herald Island	1	-	-	-	2	-	-	1	-	1	-	1	-	-	1	-
67	Herschel Island (Canada)	-	-	-	1	-	-	1	-	1	-	-	-	-	1	-	1
68	Harrison Bay	3	6	1	1	-	4	2	-	2	-	-	1	5	2	-	1
69	Harrison Bay/Colville Delta	2	6	1	1	-	3	1	-	1	-	-	-	4	1	-	1
70	North Central Chukchi	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
71	Simpson Lag.,Thetis & Jones Isls.	-	4	1	1	-	2	1	-	1	-	-	-	4	1	-	1
72	Gwyder Bay, Cottle & Return Isls.	-	4	2	2	-	2	2	-	1	-	-	-	5	2	-	1
73	Prudhoe Bay	-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-
74	Hershel Isl.	-	-	-	3	-	-	4	-	3	-	1	-	-	2	-	2
75	Boulder Patch Area	-	9	49	6	-	3	5	-	2	-	-	-	4	10	-	1
76	Kendall Isl. Bird Sanctuary (Canda)	-	-	-	1	-	-	3	-	2	-	1	-	-	1	-	1
77	Sagavanirktok Delta/Foggy Isl. Bay	-	2	9	2	-	1	2	-	1	-	-	-	1	2	-	1
78	Mikkelsen Bay	-	1	16	1	-	1	1	-	-	-	-	-	-	2	-	-
79	Demarcation Bay Offshore	-	-	-	5	-	-	4	-	2	-	-	-	-	1	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	ERA Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
80	Chukchi Sea Nearshore IBA	11	3	-	1	10	4	1	4	2	-	1	10	3	1	3	1
81	Simpson Cove	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-
82	North Chukotka Nearshore 2	2	1	-	-	4	1	-	2	-	2	-	2	1	-	2	-
83	North Chukotka Nearshore 3	1	-	-	-	2	-	-	1	-	-	-	1	-	-	1	-
84	Canning River Delta	-	2	1	3	-	1	1	-	1	-	-	-	-	3	-	-
85	Sagavanirktok River Delta	-	7	38	5	-	3	4	-	2	-	-	-	4	8	-	1
86	Harrison Bay	10	18	4	3	1	10	4	1	3	-	-	1	13	5	2	3
87	Colville River Delta	2	12	2	2	1	5	3	1	2	-	-	1	8	3	1	1
88	Simpson Lagoon	1	13	5	3	1	6	4	1	2	-	-	1	13	4	1	2
89	Mackenzie River Delta	-	-	-	2	-	1	5	-	3	-	2	-	1	2	-	3
91	Bowhead Whale Summer (Ca)	-	-	-	1	-	-	2	-	3	-	3	-	-	1	-	3
92	Thetis, Jones, Cottle & Return Isl.	1	17	9	5	1	8	6	1	3	-	-	1	18	7	1	2
93	Cross & No Name Isls.	-	5	4	2	-	2	2	-	1	-	-	-	3	3	-	1
94	Maguire, Flaxman & Barrier Isl.	-	7	6	13	-	3	7	-	3	-	-	-	2	16	-	2
95	Arey & Barter Isls., Bernard Spit	-	1	1	8	-	1	5	-	2	-	-	-	1	10	-	1
96	Midway, Cross & Bartlett Isls.	-	2	1	1	-	1	1	-	1	-	-	-	2	1	-	-
98	Anderson Point Barrier Isls.	-	-	-	1	-	-	1	-	-	-	-	-	-	1	-	-
99	Arey & Barter Isls., Bernard Spit	-	1	-	2	-	1	2	-	1	-	-	-	1	3	-	-
100	Jago & Tapkaurak Spits	-	-	-	2	-	-	2	-	1	-	-	-	-	2	-	1
102	Opilio Crab EFH	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
103	Saffron Cod EFH	14	3	1	-	14	4	-	5	1	-	-	13	3	-	4	-
104	Ledyard Bay-Icy Cape IBA	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
105	Fish Creek	5	14	2	2	1	5	3	1	2	-	-	1	8	3	1	1
106	Shaviovik River	-	12	73	8	-	4	6	-	3	-	-	-	4	13	1	2
107	Point Hope Offshore	1	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-
109	AK BFT Shelf Edge	-	-	-	2	-	1	4	-	2	-	1	-	-	2	-	2
110	AK BFT Outer Shelf & Slope 1	-	1	-	2	-	1	4	-	4	-	2	-	-	2	-	4
111	AK BFT Outer Shelf & Slope 2	-	1	-	2	-	1	4	1	4	-	1	-	1	3	-	3
112	AK BFT Outer Shelf & Slope 3	-	1	1	2	-	2	4	1	3	-	1	-	1	3	1	2
113	AK BFT Outer Shelf & Slope 4	-	2	1	2	-	2	3	1	3	-	1	-	2	2	1	2
114	AK BFT Outer Shelf & Slope 5	-	2	1	1	-	3	2	1	3	-	1	-	3	2	1	2
115	AK BFT Outer Shelf & Slope 6	1	2	1	1	1	4	2	1	3	-	1	1	4	1	2	2
116	AK BFT Outer Shelf & Slope 7	2	3	1	1	2	5	2	3	4	-	2	2	4	1	3	3
117	AK BFT Outer Shelf & Slope 8	2	2	-	-	3	4	1	3	3	-	1	3	4	1	3	2
118	AK BFT Outer Shelf & Slope 9	2	1	-	-	4	3	1	3	2	-	1	4	2	-	2	2
119	AK BFT Outer Shelf & Slope 10	4	2	-	-	7	3	1	3	2	-	1	6	3	1	2	1
121	Cape Lisburne–Pt. Hope	-	-	-	-	1	-	-	1	-	-	-	1	-	-	-	-
122	Bowhead Fall (Canada)	-	-	-	1	-	-	3	-	1	-	-	-	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

Tables B.2-55 through B.2-60 represent winter conditional probabilities (expressed as percent chance) that a large oil spill starting at a particular location will contact a certain LS within 3, 10, 30, 90, 120, and 360 days, respectively.

Table B.2-55. Conditional probability of a large oil spill contacting an LS in 3 days (winter timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
85	Utqiaġvik, Browerville, Elson Lag.	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
86	Dease Inlet, Plover Islands	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
87	Igalik & Kulgurak Island	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
88	Cape Simpson, Piasuk River	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
92	Cape Halkett, Garry Creek	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	Colville River	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
97	Milne Point, Simpson Lagoon	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-
98	Kuparuk River	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-
99	Point Brower, Prudhoe Bay	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-
100	Foggy Island Bay, Kadleroshilik R.	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-
101	Bullen, Gordon & Reliance Points	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	-
102	Pt. Hopson & Sweeney, Staines R	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
103	Brownlow Point, Canning River	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
104	Collinson Point, Konganevik Point	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
105	Anderson Point, Sadlerochit River	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
106	Arey Island, Barter Island,	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-
107	Kaktovik	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
108	Griffin Point, Oruktalik Lagoon	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
109	Angun Point, Beaufort Lagoon	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
111	Demarcation Bay & Point	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
112	Clarence Lagoon, Backhouse River	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-

Table B.2-56. Conditional probability of a large oil spill contacting an LS in 10 days (winter timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
85	Utqiaġvik, Browerville, Elson Lag.	6	-	-	-	2	-	-	-	-	-	-	4	-	-	-	-
86	Dease Inlet, Plover Islands	3	-	-	-	1	-	-	-	-	-	-	2	-	-	-	-
87	Igalik & Kulgurak Island	3	-	-	-	1	-	-	-	-	-	-	3	-	-	-	-
88	Cape Simpson, Piasuk River	6	-	-	-	1	-	-	-	-	-	-	5	-	-	-	-
89	Ikpikpuk River Point Poleakoon	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
90	Drew & McLeod Point, Kolovik	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
92	Cape Halkett, Garry Creek	5	5	-	-	-	1	-	-	-	-	-	-	2	-	-	-
93	Atigaru Pt, Eskimo Isl., Kogru R.	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
94	Fish Creek, Tingmeachsiovik River	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
95	Colville River	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-
96	Oliktok Point	-	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
97	Milne Point, Simpson Lagoon	-	3	2	-	-	-	-	-	-	-	-	-	3	-	-	-
98	Kuparuk River	-	3	3	-	-	-	-	-	-	-	-	-	2	-	-	-
99	Point Brower, Prudhoe Bay	-	3	17	1	-	-	-	-	-	-	-	-	1	1	-	-
100	Foggy Island Bay, Kadleroshilik R.	-	2	27	1	-	-	-	-	-	-	-	-	-	1	-	-
101	Bullen, Gordon & Reliance Points	-	2	19	-	-	-	-	-	-	-	-	-	-	1	-	-
102	Pt. Hopson & Sweeney, Staines R	-	2	2	1	-	-	-	-	-	-	-	-	-	2	-	-
103	Brownlow Point, Canning River	-	1	1	4	-	-	-	-	-	-	-	-	-	4	-	-
104	Collinson Point, Konganevik Point	-	-	-	2	-	-	-	-	-	-	-	-	-	2	-	-
105	Anderson Point, Sadlerochit River	-	-	-	3	-	-	-	-	-	-	-	-	-	3	-	-
106	Arey Island, Barter Island,	-	-	-	4	-	-	1	-	-	-	-	-	-	5	-	-
107	Kaktovik	-	-	-	4	-	-	2	-	-	-	-	-	-	3	-	-
108	Griffin Point, Oruktalik Lagoon	-	-	-	4	-	-	2	-	-	-	-	-	-	1	-	-
109	Angun Point, Beaufort Lagoon	-	-	-	5	-	-	1	-	-	-	-	-	-	-	-	-
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	5	-	-	1	-	-	-	-	-	-	-	-	-
111	Demarcation Bay & Point	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-
112	Clarence Lagoon, Backhouse River	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-
113	Komakuk Beach, Fish Creek	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
115	Herschel Island	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-

Table B.2-57. Conditional probability of a large oil spill contacting an LS in 30 days (winter timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
85	Utqiaġvik, Browerville, Elson Lag.	11	1	-	-	6	2	-	1	-	-	-	10	1	-	1	-
86	Dease Inlet, Plover Islands	5	1	-	-	2	1	-	-	-	-	-	5	1	-	-	-
87	Igalik & Kulgurak Island	6	1	-	-	2	1	-	1	-	-	-	6	1	-	-	-
88	Cape Simpson, Piasuk River	10	2	-	-	3	3	-	1	-	-	-	9	3	-	1	-
89	Ikpikpuk River Point Poleakoon	2	-	-	-	-	1	-	-	-	-	-	1	1	-	-	-
90	Drew & McLeod Point, Kolovik	3	-	-	-	1	1	-	-	-	-	-	2	1	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	4	1	-	-	1	2	-	-	-	-	-	2	2	-	-	-
92	Cape Halkett, Garry Creek	7	10	2	1	1	6	1	1	1	-	-	1	8	1	1	-
93	Atigaru Pt, Eskimo Isl., Kogru R.	2	4	-	-	-	2	-	-	-	-	-	-	3	-	-	-
94	Fish Creek, Tingmeachsiovik River	1	2	-	-	-	1	-	-	-	-	-	-	1	-	-	-
95	Colville River	1	3	-	-	-	1	-	-	-	-	-	-	2	-	-	-
96	Oliktok Point	-	3	-	-	-	1	-	-	-	-	-	-	2	-	-	-
97	Milne Point, Simpson Lagoon	-	5	2	1	-	2	1	-	-	-	-	-	5	2	-	-
98	Kuparuk River	-	5	4	2	-	2	1	-	-	-	-	-	4	3	-	-
99	Point Brower, Prudhoe Bay	-	4	18	2	-	1	1	-	-	-	-	-	3	4	-	-
100	Foggy Island Bay, Kadleroshilik R.	-	3	29	2	-	1	1	-	-	-	-	-	1	3	-	-
101	Bullen, Gordon & Reliance Points	-	3	21	1	-	1	1	-	-	-	-	-	1	2	-	-
102	Pt. Hopson & Sweeney, Staines R	-	3	3	3	-	1	1	-	-	-	-	-	1	4	-	-
103	Brownlow Point, Canning River	-	2	1	6	-	1	2	-	-	-	-	-	-	7	-	-
104	Collinson Point, Konganevik Point	-	1	-	4	-	-	1	-	-	-	-	-	-	4	-	-
105	Anderson Point, Sadlerochit River	-	1	-	4	-	-	1	-	-	-	-	-	-	5	-	-
106	Arey Island, Barter Island,	-	1	1	6	-	-	2	-	1	-	-	-	-	8	-	-
107	Kaktovik	-	-	-	6	-	-	4	-	1	-	-	-	-	5	-	1
108	Griffin Point, Oruktalik Lagoon	-	-	-	6	-	-	4	-	1	-	-	-	-	3	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
109	Angun Point, Beaufort Lagoon	-	-	-	6	-	-	4	-	1	-	-	-	-	1	-	-
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	6	-	-	3	-	-	-	-	-	-	1	-	-
111	Demarcation Bay & Point	-	-	-	5	-	-	3	-	-	-	-	-	-	1	-	-
112	Clarence Lagoon, Backhouse River	-	-	-	3	-	-	2	-	-	-	-	-	-	1	-	-
113	Komakuk Beach, Fish Creek	-	-	-	2	-	-	2	-	-	-	-	-	-	1	-	-
114	Nunaluk Spit	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
115	Herschel Island	-	-	-	1	-	-	2	-	-	-	-	-	-	1	-	-

Table B.2-58. Conditional probability of a large oil spill contacting an LS in 90 days (winter timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
7	Kosa Bruch	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-
8	E. Wrangel Island, Skeletov	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-
10	Bukhta Davidova	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
22	Rypkarpyy, Mys Shmidta	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
84	Will Rogers & Wiley Post Mem.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
85	Utqiaġvik, Browerville, Elson Lag.	13	2	-	-	8	3	-	3	1	-	-	12	3	-	2	-
86	Dease Inlet, Plover Islands	5	1	-	-	3	2	-	1	-	-	-	6	1	-	1	-
87	Igalik & Kulgurak Island	6	1	-	-	3	2	-	1	1	-	-	6	2	-	1	-
88	Cape Simpson, Piasuk River	11	4	1	-	3	6	1	2	1	-	-	10	5	1	2	1
89	Ikpikpuk River Point Poleakoon	2	1	-	-	1	1	-	-	-	-	-	1	1	-	-	-
90	Drew & McLeod Point, Kolovik	3	1	-	-	1	1	-	-	-	-	-	2	1	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	4	2	-	-	1	3	1	1	1	-	-	2	2	1	1	-
92	Cape Halkett, Garry Creek	7	13	3	2	1	9	3	1	2	-	-	1	11	3	1	2
93	Atigaru Pt, Eskimo Isl., Kogru R.	2	5	1	1	-	2	1	-	1	-	-	-	3	1	-	1
94	Fish Creek, Tingmeachsiovik River	1	2	-	-	-	1	-	-	-	-	-	-	1	-	-	-
95	Colville River	1	3	-	-	-	1	1	-	-	-	-	1	3	1	-	-
96	Oliktok Point	1	3	-	-	-	2	1	-	-	-	-	-	3	1	-	-
97	Milne Point, Simpson Lagoon	-	6	3	2	-	3	2	-	1	-	-	-	6	2	-	1
98	Kuparuk River	-	6	4	3	-	2	3	-	1	-	-	-	5	4	-	1
99	Point Brower, Prudhoe Bay	-	5	19	3	-	2	3	-	1	-	-	-	3	5	-	1
100	Foggy Island Bay, Kadleroshilik R.	-	3	29	3	-	1	2	-	1	-	-	-	1	4	-	1
101	Bullen, Gordon & Reliance Points	-	3	21	2	-	1	1	-	1	-	-	-	1	2	-	-
102	Pt. Hopson & Sweeney, Staines R	-	3	3	3	-	1	2	-	1	-	-	-	1	5	-	1
103	Brownlow Point, Canning River	-	2	1	7	-	1	3	-	1	-	-	-	1	7	-	1
104	Collinson Point, Konganevik Point	-	1	1	4	-	1	2	-	1	-	-	-	-	5	-	1
105	Anderson Point, Sadlerochit River	-	1	-	4	-	1	2	-	1	-	-	-	-	5	-	1
106	Arey Island, Barter Island,	-	1	1	6	-	1	3	-	1	-	-	-	1	8	-	1
107	Kaktovik	-	-	-	6	-	1	5	-	2	-	-	-	-	6	-	1
108	Griffin Point, Oruktalik Lagoon	-	-	-	6	-	-	5	-	2	-	-	-	-	3	-	1
109	Angun Point, Beaufort Lagoon	-	-	-	7	-	-	4	-	1	-	-	-	-	2	-	1
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	6	-	-	4	-	1	-	-	-	-	1	-	1
111	Demarcation Bay & Point	-	-	-	5	-	-	3	-	1	-	-	-	-	1	-	1
112	Clarence Lagoon, Backhouse River	-	-	-	3	-	-	3	-	1	-	-	-	-	1	-	1
113	Komakuk Beach, Fish Creek	-	-	-	2	-	-	3	-	1	-	-	-	-	1	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
114	Nunaluk Spit	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-
115	Herschel Island	-	-	-	2	-	-	2	-	1	-	-	-	-	1	-	1
123	Outer Shallow Bay, Olivier Islands	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
124	Middle Channel, Gary Island	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-
125	Kendall Island	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
126	North Point, Pullen Island	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	1

Table B.2-59. Conditional probability of a large oil spill contacting an LS in 120 days (winter timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
7	Kosa Bruch	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-
8	E. Wrangel Island, Skeletov	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-
10	Bukhta Davidova	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
12	Bukhta Predatel'skaya	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
22	Rypkarpyy, Mys Shmidta	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
84	Will Rogers & Wiley Post Mem.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
85	Utqiaġvik, Browerville, Elson Lag.	13	2	-	-	8	3	-	3	1	-	-	11	2	-	2	-
86	Dease Inlet, Plover Islands	5	1	-	-	3	2	-	1	-	-	-	5	1	-	1	-
87	Igalik & Kulgurak Island	6	1	-	-	3	2	-	1	1	-	-	6	2	-	1	-
88	Cape Simpson, Piasuk River	11	4	1	-	3	6	1	2	1	-	-	8	4	1	2	1
89	Ikpikpuk River Point Poleakoon	2	1	-	-	1	1	-	-	-	-	-	1	1	-	-	-
90	Drew & McLeod Point, Kolovik	3	1	-	-	1	1	-	-	-	-	-	2	1	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	4	2	-	-	1	3	1	1	1	-	-	2	2	1	1	-
92	Cape Halkett, Garry Creek	7	13	3	2	1	9	3	1	2	-	-	1	9	3	1	2
93	Atigaru Pt, Eskimo Isl., Kogru R.	2	5	1	1	-	2	1	-	1	-	-	-	3	1	-	1
94	Fish Creek, Tingmeachsiovik River	1	2	-	-	-	1	-	-	-	-	-	-	1	-	-	-
95	Colville River	1	3	-	-	-	1	1	-	-	-	-	1	2	1	-	-
96	Oliktok Point	1	3	-	-	-	2	1	-	-	-	-	-	2	1	-	-
97	Milne Point, Simpson Lagoon	-	6	3	2	-	3	2	-	1	-	-	-	5	2	-	1
98	Kuparuk River	-	6	4	3	-	2	3	-	1	-	-	-	4	4	-	1
99	Point Brower, Prudhoe Bay	-	5	19	3	-	2	3	-	1	-	-	-	3	4	-	1
100	Foggy Island Bay, Kadleroshilik R.	-	3	29	3	-	1	2	-	1	-	-	-	1	4	-	1
101	Bullen, Gordon & Reliance Points	-	3	21	2	-	1	1	-	1	-	-	-	1	2	-	-
102	Pt. Hopson & Sweeney, Staines R	-	3	3	3	-	1	2	-	1	-	-	-	1	4	-	1
103	Brownlow Point, Canning River	-	2	1	7	-	1	3	-	1	-	-	-	1	7	-	1
104	Collinson Point, Konganevik Point	-	1	1	4	-	1	2	-	1	-	-	-	-	4	-	1
105	Anderson Point, Sadlerochit River	-	1	-	4	-	1	2	-	1	-	-	-	-	5	-	1
106	Arey Island, Barter Island,	-	1	1	6	-	1	3	-	1	-	-	-	1	8	-	1
107	Kaktovik	-	-	-	6	-	1	5	-	2	-	-	-	1	6	-	1
108	Griffin Point, Oruktalik Lagoon	-	-	-	6	-	-	5	-	2	-	-	-	1	4	-	1
109	Angun Point, Beaufort Lagoon	-	-	-	7	-	-	4	-	1	-	-	1	2	4	-	1
110	Icy Reef, Kongakut River, Siku Lag.	-	-	-	6	-	-	4	-	1	-	-	1	3	2	-	1
111	Demarcation Bay & Point	-	-	-	5	-	-	3	-	1	-	-	5	3	1	-	1
112	Clarence Lagoon, Backhouse River	-	-	-	3	-	-	3	-	1	-	-	3	3	1	-	1
113	Komakuk Beach, Fish Creek	-	-	-	2	-	-	3	-	1	-	-	1	2	1	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
114	Nunaluk Spit	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-
115	Herschel Island	-	-	-	2	-	-	2	-	1	-	-	-	1	1	-	1
123	Outer Shallow Bay, Olivier Islands	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
124	Middle Channel, Gary Island	-	-	-	1	-	-	1	-	1	-	-	-	-	1	-	1
125	Kendall Island	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
126	North Point, Pullen Island	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	1

Table B.2-60. Conditional probability of a large oil spill contacting an LS in 360 days (winter timeframe)

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
6	Ostrov Mushtakova	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
7	Kosa Bruch	-	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-
8	E. Wrangel Island, Skeletov	-	-	-	-	1	-	-	1	-	1	-	-	-	-	1	-
10	Bukhta Davidova	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
12	Bukhta Predatel'skaya	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
22	Rypkarpyy, Mys Shmidta	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
26	Ekugvaam, Kepin, Pil'khin	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
84	Will Rogers & Wiley Post Mem.	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
85	Utqiaġvik, Browerville, Elson Lag.	13	2	-	-	8	3	-	3	1	-	-	12	3	-	2	-
86	Dease Inlet, Plover Islands	5	1	-	-	3	2	-	1	-	-	-	6	1	-	1	-
87	Igalik & Kulgurak Island	6	1	-	-	3	2	-	1	1	-	-	6	2	-	1	-
88	Cape Simpson, Piasuk River	11	4	1	-	3	6	1	2	1	-	-	10	5	1	2	1
89	Ikpikpuk River Point Poleakoon	2	1	-	-	1	1	-	-	-	-	-	1	1	-	-	-
90	Drew & McLeod Point, Kolovik	3	1	-	-	1	1	-	-	-	-	-	2	1	-	-	-
91	Lonely, Pitt Pt., Pogik Bay, Smith R	4	2	-	-	1	3	1	1	1	-	-	2	2	1	1	-
92	Cape Halkett, Garry Creek	7	13	3	2	1	9	3	1	2	-	-	1	11	3	1	2
93	Atigaru Pt, Eskimo Isl., Kogru R.	2	5	1	1	-	2	1	-	1	-	-	-	3	1	-	1
94	Fish Creek, Tingmeachsiovik River	1	2	-	-	-	1	-	-	-	-	-	-	1	-	-	-
95	Colville River	1	3	-	-	-	1	1	-	-	-	-	1	3	1	-	-
96	Oliktok Point	1	3	-	-	-	2	1	-	-	-	-	-	3	1	-	-
97	Milne Point, Simpson Lagoon	-	6	3	2	-	3	2	-	1	-	-	-	6	2	-	1
98	Kuparuk River	-	6	4	3	-	2	3	-	1	-	-	-	5	4	-	1
99	Point Brower, Prudhoe Bay	-	5	19	3	-	2	3	-	1	-	-	-	3	5	-	1
100	Foggy Island Bay, Kadleroshilik R.	-	3	29	3	-	1	2	-	1	-	-	-	1	4	-	1
101	Bullen, Gordon & Reliance Points	-	3	21	2	-	1	1	-	1	-	-	-	1	2	-	-
102	Pt. Hopson & Sweeney, Staines R	-	3	3	3	-	1	2	-	1	-	-	-	1	5	-	1
103	Brownlow Point, Canning River	-	2	1	7	-	1	3	-	1	-	-	-	1	7	-	1
104	Collinson Point, Konganevik Point	-	1	1	4	-	1	2	-	1	-	-	-	-	5	-	1
105	Anderson Point, Sadlerochit River	-	1	-	4	-	1	2	-	1	-	-	-	-	5	-	1
106	Arey Island, Barter Island,	-	1	1	6	-	1	3	-	1	-	-	-	1	8	-	1
107	Kaktovik	-	-	-	6	-	1	5	-	2	-	-	-	-	6	-	1
108	Griffin Point, Oruktalik Lagoon	-	-	-	6	-	-	5	-	2	-	-	-	-	3	-	1
109	Angun Point, Beaufort Lagoon	-	-	-	7	-	-	4	-	1	-	-	-	-	2	-	1
110	Icy Reef, Kongakut R., Siku Lag.	-	-	-	6	-	-	4	-	1	-	-	-	-	1	-	1
111	Demarcation Bay & Point	-	-	-	5	-	-	3	-	1	-	-	-	-	1	-	1
112	Clarence Lagoon, Backhouse River	-	-	-	3	-	-	3	-	1	-	-	-	-	1	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	LS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
113	Komakuk Beach, Fish Creek	-	-	-	2	-	-	3	-	1	-	-	-	-	1	-	1
114	Nunaluk Spit	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	-
115	Herschel Island	-	-	-	2	-	-	2	-	1	-	-	-	-	1	-	1
123	Outer Shallow Bay, Olivier Islands	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
124	Middle Channel, Gary Island	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	1
125	Kendall Island	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
126	North Point, Pullen Island	-	-	-	1	-	-	1	-	1	-	-	-	-	-	-	1

Tables B.2-61 through B.2-66 represent winter conditional probabilities (expressed as percent chance) that a large oil spill starting at a particular location will contact a certain GLS within 3, 10, 30, 90, 120, and 360 days, respectively.

Table B.2-61. Conditional probability of a large oil spill contacting a GLS in 3 days (winter timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
150	National Petroleum Reserve-Alaska	8	1	-	-	-	-	-	-	-	-	-	3	-	-	-	-
153	TCH Insect Relief/Calving	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
155	Smith Bay Spotted Seal Haulout	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156	Teshekpuk Lake Special Area/IBA	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
160	CAH Insect Relief/ Calving	-	1	15	1	-	-	-	-	-	-	-	-	1	-	-	-
161	SUA: Kaktovik–Nuiqsut	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
162	96–115 Summer	-	1	10	3	-	-	-	-	-	-	-	-	-	1	-	-
163	Beaufort Muskox Habitat	-	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-
164	99–115 Fall	-	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-
165	102–110- Winter	-	1	1	8	-	-	-	-	-	-	-	-	-	2	-	-
166	Arctic National Wildlife Refuge	-	-	-	11	-	-	-	-	-	-	-	-	-	3	-	-
167	Northeast Arctic Coastal Plain IBA	-	-	-	4	-	-	-	-	-	-	-	-	-	1	-	-
169	PCH Calving	-	-	-	2	-	-	-	-	-	-	-	-	-	1	-	-
170	Yukon Musk Ox Wintering	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-
171	Ivvavik National Park (Canada)	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
172	112–132 Spring	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
183	United States Beaufort Coast	10	4	49	12	-	-	-	-	-	-	-	3	2	3	-	-
184	Canada Beaufort Coast	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
150	National Petroleum Reserve-Alaska	8	1	-	-	-	-	-	-	-	-	-	3	-	-	-	-
153	TCH Insect Relief/Calving	3	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-

Table B.2-62. Conditional probability of a large oil spill contacting a GLS in 10 days (winter timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
150	National Petroleum Reserve-Alaska	24	7	-	-	3	3	-	-	-	-	-	14	3	-	-	-
153	TCH Insect Relief/Calving	10	3	-	-	2	1	-	-	-	-	-	6	1	-	-	-
154	SUA: Utqiaġvik–Nuiqsut	1	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
155	Smith Bay Spotted Seal Haulout	3	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
156	Teshekpuk Lake Special Area/IBA	8	2	-	-	1	1	-	-	-	-	-	5	1	-	-	-
157	Colville River Delta IBA	1	2	-	-	-	-	-	-	-	-	-	-	1	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
158	Colville River Delta	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
159	Harrison Bay Spotted Seal Haulout	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
160	CAH Insect Relief/ Calving	-	5	22	2	-	1	-	-	-	-	-	-	3	3	-	-
161	SUA: Kaktovik–Nuiqsut	-	1	3	1	-	-	-	-	-	-	-	-	-	1	-	-
162	96–115 Summer	-	4	16	10	-	-	3	-	-	-	-	-	2	6	-	-
163	Beaufort Muskox Habitat	-	5	4	-	-	1	-	-	-	-	-	-	5	-	-	-
164	99–115 Fall	-	1	7	4	-	-	1	-	-	-	-	-	-	2	-	-
165	102–110- Winter	-	3	2	23	-	-	5	-	-	-	-	-	-	13	-	-
166	Arctic National Wildlife Refuge	-	2	1	32	-	-	8	-	-	-	-	-	-	17	-	-
167	Northeast Arctic Coastal Plain IBA	-	1	-	11	-	-	3	-	-	-	-	-	-	7	-	-
168	PCH Insect Relief/SUA Kaktovik	-	-	-	2	-	-	1	-	-	-	-	-	-	1	-	-
169	PCH Calving	-	-	-	7	-	-	2	-	-	-	-	-	-	4	-	-
170	Yukon Musk Ox Wintering	-	-	-	5	-	-	2	-	-	-	-	-	-	-	-	-
171	Ivvavik National Park (Canada)	-	-	-	4	-	-	2	-	-	-	-	-	-	-	-	-
172	112–132 Spring	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-
173	112–121 Winter	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
177	122–132 Winter	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-
183	United States Beaufort Coast	31	26	71	37	5	5	9	-	-	-	-	18	13	24	-	-
184	Canada Beaufort Coast	-	-	-	4	-	-	2	-	-	-	-	-	-	-	-	-

Table B.2-63. Conditional probability of a large oil spill contacting a GLS in 30 days (winter timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
150	National Petroleum Reserve-Alaska	37	20	3	2	10	16	2	3	1	-	-	25	17	2	3	1
153	TCH Insect Relief/Calving	17	9	1	1	6	8	1	2	1	-	-	13	8	1	2	-
154	SUA: Utqiaġvik–Nuiqsut	4	2	-	-	1	2	-	-	-	-	-	3	2	-	-	-
155	Smith Bay Spotted Seal Haulout	4	1	-	-	1	2	-	-	-	-	-	4	1	-	-	-
156	Teshekpuk Lake Special Area/IBA	13	7	1	-	4	7	1	1	-	-	-	10	7	1	1	-
157	Colville River Delta IBA	1	4	-	-	-	1	-	-	-	-	-	-	3	-	-	-
158	Colville River Delta	1	3	-	-	-	1	-	-	-	-	-	-	2	-	-	-
159	Harrison Bay Spotted Seal Haulout	-	1	-	-	-	1	-	-	-	-	-	-	1	-	-	-
160	CAH Insect Relief/ Calving	-	10	25	6	-	3	3	-	1	-	-	-	6	9	-	1
161	SUA: Kaktovik–Nuiqsut	-	2	4	2	-	1	1	-	-	-	-	-	1	2	-	-
162	96–115 Summer	-	8	19	17	-	3	12	-	3	-	-	-	5	15	-	2
163	Beaufort Muskox Habitat	-	7	5	2	-	3	2	-	-	-	-	-	7	4	-	-
164	99–115 Fall	-	2	8	7	-	1	3	-	1	-	-	-	1	5	-	-
165	102–110- Winter	-	5	4	34	-	2	17	-	3	-	-	-	1	25	-	2
166	Arctic National Wildlife Refuge	-	4	3	44	-	2	23	-	5	-	-	-	1	32	-	3
167	Northeast Arctic Coastal Plain IBA	-	2	1	16	-	1	9	-	2	-	-	-	1	12	-	1
168	PCH Insect Relief/SUA Kaktovik	-	-	-	3	-	-	2	-	1	-	-	-	-	3	-	-
169	PCH Calving	-	1	1	10	-	-	8	-	2	-	-	-	-	7	-	1
170	Yukon Musk Ox Wintering	-	-	-	8	-	-	6	-	1	-	-	-	-	2	-	1
171	Ivvavik National Park (Canada)	-	-	-	7	-	-	7	-	2	-	-	-	-	2	-	1
172	112–132 Spring	-	-	-	4	-	-	5	-	2	-	-	-	-	2	-	1
173	112–121 Winter	-	-	-	2	-	-	3	-	1	-	-	-	-	-	-	-
175	Tarium Nirutait MPA	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-
176	122–132 Spring	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
177	122–132 Winter	-	-	-	2	-	-	2	-	1	-	-	-	-	-	-	-
182	United States Chukchi Coast	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
183	United States Beaufort Coast	50	55	84	61	16	31	35	5	9	-	-	35	40	54	5	5
184	Canada Beaufort Coast	-	-	-	8	-	-	10	-	3	-	-	-	-	3	-	2

Table B.2-64. Conditional probability of a large oil spill contacting a GLS in 90 days (winter timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
133	Somnitel'naya Spit, Davidova Spit	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
150	National Petroleum Reserve-Alaska	41	27	6	5	14	26	7	7	7	-	2	29	27	7	7	5
153	TCH Insect Relief/Calving	19	13	2	2	9	13	3	4	4	-	1	16	14	3	4	3
154	SUA: Utqiaġvik–Nuiqsut	5	4	1	1	2	4	1	1	1	-	1	4	5	1	1	1
155	Smith Bay Spotted Seal Haulout	5	1	-	-	2	3	-	1	1	-	-	4	2	-	1	1
156	Teshekpuk Lake Special Area/IBA	15	10	2	2	6	11	3	3	3	-	1	12	12	3	3	3
157	Colville River Delta IBA	2	5	1	1	-	2	1	-	1	-	-	-	4	1	-	1
158	Colville River Delta	1	3	-	-	-	1	1	-	-	-	-	1	2	1	-	-
159	Harrison Bay Spotted Seal Haulout	-	1	-	-	-	1	-	-	-	-	-	-	2	1	-	-
160	CAH Insect Relief/ Calving	1	11	25	8	-	5	7	-	4	-	-	-	7	11	-	3
161	SUA: Kaktovik–Nuiqsut	-	3	4	2	-	2	3	-	1	-	-	-	2	4	-	1
162	96–115 Summer	1	11	20	22	-	7	21	1	11	-	2	-	8	21	1	8
163	Beaufort Muskox Habitat	-	8	5	3	-	3	3	-	1	-	-	-	7	4	-	1
164	99–115 Fall	-	2	8	9	-	2	7	-	3	-	1	-	1	8	-	3
165	102–110- Winter	-	5	4	36	-	3	21	1	7	-	1	-	2	27	-	5
166	Arctic National Wildlife Refuge	-	5	3	46	-	4	28	1	10	-	1	-	3	34	1	7
167	Northeast Arctic Coastal Plain IBA	-	3	1	17	-	2	12	-	5	-	1	-	2	14	-	3
168	PCH Insect Relief/SUA Kaktovik	-	1	-	4	-	1	4	-	2	-	-	-	1	4	-	1
169	PCH Calving	-	1	1	11	-	1	10	-	5	-	1	-	1	8	-	3
170	Yukon Musk Ox Wintering	-	-	-	8	-	-	8	-	3	-	1	-	-	2	-	3
171	Ivvavik National Park (Canada)	-	-	-	8	-	-	8	-	4	-	1	-	-	3	-	3
172	112–132 Spring	-	-	-	5	-	1	8	-	5	-	2	-	-	3	-	4
173	112–121 Winter	-	-	-	3	-	-	4	-	2	-	1	-	-	1	-	2
174	Yukon Moose	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1
175	Tarium Nirutait MPA	-	-	-	1	-	-	2	-	2	-	1	-	-	1	-	1
176	122–132 Spring	-	-	-	1	-	-	2	-	2	-	1	-	-	1	-	1
177	122–132 Winter	-	-	-	2	-	-	3	-	1	-	-	-	-	1	-	1
178	Kendall Island Bird Sanctuary (Ca)	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1
179	TYH CBH Insect Relief	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
180	Russia Chukchi Coast M. Mammals	1	-	-	-	3	-	-	2	-	1	-	2	-	-	1	-
181	Russia Chukchi Coast	4	1	-	-	9	1	-	5	-	4	1	5	1	-	3	1
182	United States Chukchi Coast	2	-	-	-	2	-	-	1	-	-	-	1	-	-	1	-
183	United States Beaufort Coast	56	68	88	72	23	48	54	12	26	-	5	42	56	69	12	19
184	Canada Beaufort Coast	-	1	1	11	-	1	16	-	11	-	4	-	1	6	-	8

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

Table B.2-65. Conditional probability of a large oil spill contacting a GLS in 120 days (winter timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
133	Somnitel'naya Spit, Davidova Spit	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
150	National Petroleum Reserve-Alaska	41	27	6	5	14	26	7	7	7	-	2	29	27	7	7	5
153	TCH Insect Relief/Calving	19	13	2	2	9	13	3	4	4	-	1	16	14	3	4	3
154	SUA: Utqiaġvik–Nuiqsut	5	4	1	1	2	4	1	1	1	-	1	4	5	1	1	1
155	Smith Bay Spotted Seal Haulout	5	1	-	-	2	3	-	1	1	-	-	4	2	-	1	1
156	Teshekpuk Lake Special Area/IBA	15	10	2	2	6	11	3	3	3	-	1	12	12	3	3	3
157	Colville River Delta IBA	2	5	1	1	-	2	1	-	1	-	-	-	4	1	-	1
158	Colville River Delta	1	3	-	-	-	1	1	-	-	-	-	1	2	1	-	-
159	Harrison Bay Spotted Seal Haulout	-	1	-	-	-	1	-	-	-	-	-	-	2	1	-	-
160	CAH Insect Relief/ Calving	1	11	25	8	-	5	7	-	4	-	-	-	7	11	-	3
161	SUA: Kaktovik–Nuiqsut	-	3	4	2	-	2	3	-	1	-	-	-	2	4	-	1
162	96–115 Summer	1	11	20	22	-	7	21	1	11	-	2	-	8	21	1	8
163	Beaufort Muskox Habitat	-	8	5	3	-	3	3	-	1	-	-	-	7	4	-	1
164	99–115 Fall	-	2	8	9	-	2	7	-	3	-	1	-	1	8	-	3
165	102–110- Winter	-	5	4	36	-	3	21	1	7	-	1	-	2	27	-	5
166	Arctic National Wildlife Refuge	-	5	3	46	-	4	28	1	10	-	2	-	3	34	1	7
167	Northeast Arctic Coastal Plain IBA	-	3	1	17	-	2	12	-	5	-	1	-	2	14	-	3
168	PCH Insect Relief/SUA Kaktovik	-	1	-	4	-	1	4	-	2	-	-	-	1	4	-	1
169	PCH Calving	-	1	1	11	-	1	10	-	5	-	1	-	1	8	-	3
170	Yukon Musk Ox Wintering	-	-	-	8	-	-	8	-	3	-	1	-	-	2	-	3
171	Ivvavik National Park (Canada)	-	-	-	8	-	-	8	-	4	-	1	-	-	3	-	3
172	112–132 Spring	-	-	-	5	-	1	8	-	6	-	2	-	-	3	-	4
173	112–121 Winter	-	-	-	3	-	-	4	-	2	-	1	-	-	1	-	2
174	Yukon Moose	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1
175	Tarium Nirutait MPA	-	-	-	1	-	-	2	-	2	-	1	-	-	1	-	1
176	122–132 Spring	-	-	-	1	-	-	2	-	2	-	1	-	-	1	-	1
177	122–132 Winter	-	-	-	2	-	-	3	-	1	-	-	-	-	1	-	1
178	Kendall Island Bird Sanctuary (Ca)	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-	1
179	TYH CBH Insect Relief	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
180	Russia Chukchi Coast M. Mammals	2	-	-	-	4	-	-	3	-	2	-	2	-	-	2	-
181	Russia Chukchi Coast	4	1	-	-	10	1	-	6	1	5	1	5	1	-	4	1
182	United States Chukchi Coast	2	-	-	-	2	-	-	1	-	-	-	2	-	-	1	-
183	United States Beaufort Coast	56	68	88	72	23	48	54	12	26	-	5	42	56	69	12	19
184	Canada Beaufort Coast	-	1	1	11	-	1	16	-	11	-	4	-	1	6	-	8

Table B.2-66. Conditional probability of a large oil spill contacting a GLS in 360 days (winter timeframe)

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
133	Somnitel'naya Spit, Davidova Spit	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-
150	National Petroleum Reserve-Alaska	41	27	6	5	14	26	7	7	7	-	2	29	27	7	7	5
153	TCH Insect Relief/Calving	19	13	2	2	9	13	3	4	4	-	1	16	14	3	4	3
154	SUA: Utqiaġvik–Nuiqsut	5	4	1	1	2	4	1	1	1	-	1	4	5	1	1	1
155	Smith Bay Spotted Seal Haulout	5	1	-	-	2	3	-	1	1	-	-	4	2	-	1	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

ID	GLS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
156	Teshekpuk Lake Special Area/IBA	15	10	2	2	6	11	3	3	3	-	1	12	12	3	3	3
157	Colville River Delta IBA	2	5	1	1	-	2	1	-	1	-	-	-	4	1	-	1
158	Colville River Delta	1	3	-	-	-	1	1	-	-	-	-	1	2	1	-	-
159	Harrison Bay Spotted Seal Haulout	-	1	-	-	-	1	-	-	-	-	-	-	2	1	-	-
160	CAH Insect Relief/ Calving	1	11	25	8	-	5	7	-	4	-	-	-	7	11	-	3
161	SUA: Kaktovik–Nuiqsut	-	3	4	2	-	2	3	-	1	-	-	-	2	4	-	1
162	96–115 Summer	1	11	20	22	-	7	21	1	11	-	2	-	8	21	1	8
163	Beaufort Muskox Habitat	-	8	5	3	-	3	3	-	1	-	-	-	7	4	-	1
164	99–115 Fall	-	2	8	9	-	2	7	-	3	-	1	-	1	8	-	3
165	102–110- Winter	-	5	4	36	-	3	21	1	7	-	1	-	2	27	-	5
166	Arctic National Wildlife Refuge	-	5	3	46	-	4	28	1	10	-	2	-	3	34	1	7
167	Northeast Arctic Coastal Plain IBA	-	3	1	17	-	2	12	-	5	-	1	-	2	14	-	3
168	PCH Insect Relief/SUA Kaktovik	-	1	-	4	-	1	4	-	2	-	-	-	1	4	-	1
169	PCH Calving	-	1	1	11	-	1	10	-	5	-	1	-	1	8	-	3
170	Yukon Musk Ox Wintering	-	-	-	8	-	-	8	-	3	-	1	-	-	2	-	3
171	Ivvavik National Park (Canada)	-	-	-	8	-	-	8	-	4	-	1	-	-	3	-	3
172	112–132 Spring	-	-	-	5	-	1	8	-	6	-	2	-	-	3	-	4
173	112–121 Winter	-	-	-	3	-	-	4	-	2	-	1	-	-	1	-	2
174	Yukon Moose	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1
175	Tarium Nirutait MPA	-	-	-	1	-	-	2	-	2	-	1	-	-	1	-	1
176	122–132 Spring	-	-	-	1	-	-	2	-	2	-	1	-	-	1	-	1
177	122–132 Winter	-	-	-	2	-	-	3	-	1	-	-	-	-	1	-	1
178	Kendall Island Bird Sanctuary (Ca)	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-	1
179	TYH CBH Insect Relief	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
180	Russia Chukchi Coast M. Mammals	2	-	-	-	4	-	-	3	-	2	-	2	-	-	2	-
181	Russia Chukchi Coast	5	1	-	-	11	1	-	6	1	5	1	6	1	-	4	1
182	United States Chukchi Coast	2	-	-	-	2	-	-	1	-	-	-	2	-	-	1	-
183	United States Beaufort Coast	56	68	88	72	23	48	54	12	26	-	5	42	56	69	12	19
184	Canada Beaufort Coast	-	1	1	11	-	1	16	-	11	-	4	-	1	6	-	8

Tables B.2-67 through B.2-72 represent winter conditional probabilities (expressed as percent chance) that a large oil spill starting at a particular location will contact a certain BS within 3, 10, 30, 90, 120, and 360 days, respectively.

Table B.2-67. Conditional probability of a large oil spill contacting a BS in 3 days (winter timeframe)

Note: All rows have all values less than 0.5%, and the table is not shown.

Table B.2-68. Conditional probability of a large oil spill contacting a BS in 10 days (winter timeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
26	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-

Note: All rows that have values less than 0.5% are not shown.

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

Table B.2-69. Conditional probability of a large oil spill contacting a BS in 30 days (winter timeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
20	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
21	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
26	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
27	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-

Table B.2-70. Conditional probability of a large oil spill contacting a BS in 90 days (winter timeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
16	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
17	Chukchi Sea	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-
18	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
19	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
20	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-
21	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	-
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
26	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
27	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
37	Beaufort Sea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
38	Beaufort Sea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
39	Beaufort Sea	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1
40	Beaufort Sea	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1

Table B.2-71. Conditional probability of a large oil spill contacting a BS in 120 days (winter imeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
4	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
5	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
16	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
17	Chukchi Sea	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-
18	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
19	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
20	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-
21	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	-
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

26	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
27	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
37	Beaufort Sea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
38	Beaufort Sea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
39	Beaufort Sea	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1
40	Beaufort Sea	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1

Table B.2-72. Conditional probability of a large oil spill contacting a BS in 360 days (winter imeframe)

ID	BS Name	LA 1	LA 2	LA 3	LA 4	LA 5	LA 6	LA 7	LA 8	LA 9	LA 10	LA 11	PL 1	PL 2	PL 3	PL 4	PL 5
4	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
5	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
16	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
17	Chukchi Sea	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-
18	Chukchi Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
19	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
20	Chukchi Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-
21	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	-
22	Chukchi Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
23	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
24	Beaufort Sea	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-
25	Beaufort Sea	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-
26	Beaufort Sea	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-
27	Beaufort Sea	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
37	Beaufort Sea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
38	Beaufort Sea	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
39	Beaufort Sea	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1
40	Beaufort Sea	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	1

Note: - = less than 0.5%; LA = Launch Area, PL = Pipeline. Rows with all values less than 0.5% are not shown.

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