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Human-Caused Injury and Mortality of NMFS-Managed Alaska Marine Mammal Stocks, 2009-2013

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Abstract

The National Marine Fisheries Service (NMFS) is required under the Marine Mammal Protection Act (MMPA) to estimate the annual human-caused mortality and serious injury of marine mammal stocks by source. Revisions to NMFS' guidelines and methods for distinguishing serious from non-serious injuries pursuant to the MMPA were implemented in 2013. Data from documented interactions between humans and Alaska pinnipeds and cetaceans under the jurisdiction of the NMFS were compiled for the 5-year period from 2009 through 2013. Details regarding each human-marine mammal interaction were reviewed for evidence of human-caused injury or mortality, and criteria were applied in order to assign injuries to categories and determine the severity (serious or non-serious). A total of 603 unique interactions with potential evidence of human-caused injury and mortality were closely reviewed and are summarized in this report. Injury determination details regarding the injury source, type, and severity are presented, along with the injury category and criteria supporting the determination. Mortality and injury values were assigned (0, 1, or prorated) to each event for comparison with the calculated Potential Biological Removal levels for each stock.

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Introduction

The Marine Mammal Protection Act (MMPA, 1972) requires the National Marine Fisheries Service (NMFS) to estimate the annual human-caused mortality and serious injury of marine mammal stocks by source (Section 117) and to monitor the incidental mortality and serious injury of marine mammals during the course of commercial fishing operations (Section 118). In assessing each marine mammal stock, NMFS evaluates the mean annual level of human-caused mortality and serious injury from all sources, as well as from specific commercial fishing operations, relative to the Potential Biological Removal (PBR) levels calculated under the MMPA (Wade 1998). Section 118 of the MMPA mandates commercial fisheries to reduce the incidental mortality and serious injury of marine mammals from commercial fishing operations to insignificant levels, approaching a zero mortality and serious injury rate, and to continually strive for a zero mortality rate goal. Commercial fisheries are classified under the annual NMFS List of Fisheries (LOF) based on their level of incidental mortality and serious injury of marine mammals.

Estimating human-caused mortality rates for marine mammal stocks is relatively straightforward; events of confirmed human-caused deaths can be summed and mean annual mortality estimates calculated. However, the severity of human-caused injuries can be more challenging to assess and quantify. Information about the biology of the animal (e.g., species, age, size, anatomy), the severity of the injury (e.g., wound size, depth, location; overall body condition of animal), and the injury source (e.g., vessel size, speed; gear type; configuration of entanglement) all need to be considered during injury assessments. Thorough examination of injuries may not be possible in some cases, or detailed information may be lacking.

In order to accurately estimate the number of serious injuries occurring to each stock, NMFS developed a regulatory definition of “serious injury” (SI) and established a process for distinguishing non-serious from serious injuries. A serious injury is defined in regulations as “*any injury that will likely result in mortality*” (50 CFR 229.2¹). In 2012, NMFS clarified its interpretation of the definition of “likely” as any injury that is “*more likely than not*” (i.e., greater than a 50% chance) to result in death (77 Federal Register 3233, 23 January 2012; NMFS 2012a). NMFS also revised the process for distinguishing a serious injury from “non-serious injury” (NSI) pursuant to the MMPA to establish a consistent and transparent process within NMFS for making injury determinations, applying these criteria to injury cases, and documenting pertinent information considered in making injury determinations (77 Federal Register 3233, 23 January 2012; NMFS 2012a,b). In addition to NSI and SI categories, a third

¹ 50 CFR 229.2. Code of Federal Regulations. Title 50: Wildlife and Fisheries. (Available at: http://cfr.regstoday.com/50CFR229.aspx#50_CFR_229p2).

category of prorated serious injury (SI Prorate) is used for large whales. Prorated SI categories are determined from large whale records where the outcome is known, based on a review of historical large whale injury cases (NMFS 2012b). For example, 25 large whale cases with vessel strike lacerations with known outcomes were reviewed and 13 (52%) resulted in a decline in health status or death of the animal (NMFS 2012b). These data are used to inform decision-making in situations where severity of the laceration (superficial vs. deep) is unknown. The rate of serious injury for this category is prorated by multiplying the number of events assigned to this criterion by 0.52 to reflect known outcomes of the 25 cases with vessel strike lacerations (NMFS 2012b).

This report is a continuation of Allen et al. (2014) and consists of records assessed for human-caused mortality and injury to cetaceans and pinnipeds occurring in Alaska and U.S. West Coast waters and assessed within the Alaska Marine Mammal Stock Assessment Reports (SARs). If deaths or injuries to marine mammals assessed in the U.S. Pacific Marine Mammal SARs are reported in Alaska waters, the records are sent to the Southwest Fisheries Science Center (SWFSC) for inclusion in the report summarizing mortality and injury for U.S. Pacific West Coast marine mammal stocks (Carretta et al. 2014). Sources of marine mammal injury and mortality data include, but are not limited to, marine mammal stranding network responders, fishery observer programs, disentanglement network teams, opportunistic observations, and self-reporting of entanglements and vessel collisions. Injuries and mortalities to marine mammals resulting from subsistence hunts and harvests are not reported in this document unless circumstances are unique, but these are available in the SARs (Muto and Angliss in prep). Human-caused mortality and injury data for the 5-year period from 2009 to 2013 were compiled, and each injury record assessed to determine whether it was a NSI, SI, or SI Prorate. All information pertinent to decisions of NSI, SI, or SI Prorate is presented in this report. Mortality and serious injury data were summarized by stock, source, and year for estimates reported in the 2015 SARs (Muto and Angliss in prep).

Methods

Thousands of human-marine mammal interaction records for the 2009 to 2013 period were initially reviewed for evidence of human-caused injury or mortality to the marine mammal(s) involved in the interaction. Multiple records documenting a single human-related injury or mortality were identified, when possible, and the relevant information from each source was consolidated into a single record. Follow-up information for a previously documented event, from additional sightings of an injured animal or reports from carefully coordinated intervention attempts (e.g., disentanglement teams) of an injured animal, was added to the existing record. A separate record was added for any calves or pups of injured animals, and the offspring were assessed as unique, but associated, events. Of those records initially reviewed, 603 records were deemed to potentially document a human-caused injury or mortality to the marine mammal. These records are summarized in this report (Appendix Table 1-7). Data were acquired

primarily from databases and archives maintained by NMFS' Alaska Regional Office, the Northwest Regional Office, the Alaska Fisheries Science Center, and the Alaska Department of Fish and Game (ADFG). Data were entered and compiled into a single Microsoft Access database for review. All available documentation (e.g., written and verbal reports, images, re-sight information) was considered to assess human interactions, make injury determinations, and attribute injuries and mortalities to a source.

Only cases of confirmed human interaction were included in this summary of human-caused deaths and injuries. Each injury event was evaluated under NMFS' new injury determination criteria (NMFS 2012b). Different sets of criteria, specific to three taxonomic groups (large cetaceans: mysticetes and sperm whales; small cetaceans: all odontocetes except sperm whales; and pinnipeds), were used to evaluate each injury event and assign it to the most appropriate injury category (NMFS 2012b; Appendix Tables 2-1 to 2-3). Some events fit more than one injury category; in these cases, the most severe injury category and associated value was used in the injury determination.

For each record reviewed for injury severity, an initial and final injury determination was made. The initial and final determinations were the same for events in which the animal was only observed over a brief period of time and no intervention effort was made. Initial and final determinations may differ in cases where the animal was observed over an extended period of time or sighted on multiple occasions—during which subsequent assessments of injuries (e.g., change in configuration of gear, or animal self-released) or body condition (e.g., obvious health decline, or animal later found dead) could be made—or in cases where human intervention resulted in a change of injury assessment (e.g., disentanglement attempts, or animal rehabilitated and released without serious injuries). The reason for both initial and final determinations is two-fold: 1) cases in which there was no human intervention and yet the determination changed over time may be informative for further development of injury categories in future reviews measuring the effectiveness of this policy; and 2) cases where a change from initial to final determination occurred due to human intervention efforts may be treated differently in SAR reporting versus their use for the purposes of marine mammal conservation management regimes. For example, a large whale with a constricting wrap in a commercial gillnet would initially be considered SI. However, if an experienced disentanglement team responded and successfully removed all gear from the animal, the final determination would be NSI. This injury would not be counted in the mortality and serious injury estimates reported in the SAR for the fishery, since the human intervention activities mitigated the likely removal of the animal from the population. However, for the purposes of categorizing commercial fisheries for the NMFS LOF, based on levels of mortality and serious injury resulting from fishery interactions, the whale would be considered SI and included in estimates of mortality and serious injury for that specific commercial fishery. For management purposes, NMFS assesses the impact of commercial fisheries on marine mammal populations; without intervention, the impact of that fishery on that large whale stock would have resulted in a serious injury.

Results

Of the 603 human - marine mammal interactions summarized in this report, 529 were found to have caused mortality, SI, or SI Prorate to the marine mammal involved in the interaction. The remaining 74 interactions were either found to have resulted in a NSI to the marine mammal or after further review, it was determined that there was not enough evidence to assign the injury or mortality to a human source. Overall across all interactions, entanglements in fishing gear or marine debris (n = 340), interactions with trolling gear (n = 126), and vessel collisions (n = 25) comprised the majority of confirmed cases of human-caused mortality and injuries to marine mammals in Alaska.

Of the 217 interactions provided by the NOAA Alaska Regional Office's marine mammal stranding network, the most prevalent cause of injury and mortality to marine mammals were entanglements in fishing gear or marine debris (n = 56), followed by injuries caused by the ingestion of fishing gear (n = 33), and circumferential neck entanglements (n = 32). Fisheries observers associated with the federal groundfish fishery reported 140 interaction events which were reviewed for mortality, SI, and SI Prorate, the majority of which resulted in mortalities (n = 132) with relatively small amount of SI (n = 3), SI Prorate (n = 4) and one NSI. An additional ~ 600 observations of Steller sea lion entanglements and fishery interactions, many of which were repeat sightings, were documented and reviewed by ADFG based on standardized annual summer surveys conducted at nearly every sea lion haulout and rookery in Southeast Alaska, Prince William Sound, the Barren Islands, and Bristol Bay. From these 600 observations, 188 were determined to be unique seriously injured animals. Entanglements in fishery and marine debris (n = 97) and fishery gear ingestion (n = 91) were most prevalent.

Pinnipeds

Steller sea lions were the predominant pinniped species in reports of human-related serious injuries and deaths between 2009 and 2013 (n = 352). Within the range of the Eastern U.S. Steller sea lion stock, most cases of serious injuries involved ingestion of gear from the commercial and recreational salmon troll fisheries followed by circumferential neck entanglements in various marine debris (e.g., packing bands, rubber bands, fishing gear). Steller sea lion interactions with troll fishery gear, sometimes referred to as "flashers", often result in ingestion of the hook. For the 129 flasher ingestion cases (126 of which resulted in SI) reported during this 5-year period, differentiation between commercial and recreational troll gear has not been made. Based on 13 years of annual summer surveys of Steller sea lions, ADFG documented 11 marked individual Steller sea lions out of 6,093 individual animals marked in Alaska since 1994 that have interacted with troll fisheries as evidenced by a flasher present at the edge of the mouth. Of these 11 marked animals, at least four eventually lost the flasher (perhaps by inadvertently biting through the monofilament line that connects the swallowed hook to the flasher) and survived one or more years after the initial fishery interaction. One marked animal

was known to die from ingestion of the gear, one animal was shot in a subsistence harvest, and the fate of the remaining five marked animals is unknown (ADFG unpublished data). The ADFG will attempt to estimate survival of Steller sea lions that have ingested trolling gear, once the sample of marked, entangled individuals is large enough. Internal exams of dead animals typically revealed a hook lodged in the esophagus, penetrating the pleural cavity or pericardium.

Most documented records of serious injury and mortality involving the Western U.S. stock of Steller sea lion were due to interactions with the groundfish fisheries, primarily trawl fisheries ($n = 66$) and some longline fisheries ($n = 3$). These interactions, reported by fisheries observers, typically result in death, not injuries (Breiwick 2013). The majority of serious injuries and deaths involving northern fur seals ($n = 28$) were due to circumferential neck entanglements caused by unidentified marine debris, packing bands, and various components of fishing gear. Of the phocids, most cases of serious injury and mortality involved ringed ($n = 22$) and harbor seals ($n = 21$), with some reports of bearded ($n = 6$), ribbon ($n = 3$), and spotted seals ($n = 5$). Some pinniped injury and mortality events could not be identified to species and were reported as unidentified pinnipeds ($n = 4$).

Small Cetaceans

Very few instances of human-caused injury or mortality of small cetaceans ($n = 21$) were reported by fishery observers or stranding responders in Alaska. Between 2009 and 2013, there were reports of serious injuries and mortalities occurring incidental to commercial and subsistence gillnet fisheries for all three stocks (Bering Sea, Gulf of Alaska, and Southeast Alaska) of harbor porpoise ($n = 8$). Mortalities of beluga whales ($n = 4$) were primarily due to interactions with subsistence gillnets, which killed two Bristol Bay beluga and one Eastern Bering Sea beluga. Another beluga was killed in a Bering Sea - Aleutian Islands pollock trawl. It is unknown whether this beluga belonged to the Bristol Bay, Eastern Bering Sea, or Eastern Chukchi Sea stock. Mortalities and serious injuries of Dall's porpoises ($n = 3$) occurred in gillnet, trawl, and longline fisheries.

Large Cetaceans

Human-caused injury and mortality was reported during the 5-year period from 2009 to 2013 for humpback whales, sperm whales, fin whales, minke whales, and bowhead whales; gray whale records were sent to the SWFSC and reported in Carretta et al. (2014). Entanglements in fishing gear were reported for humpback, sperm, and bowhead whales, while vessel strikes were documented for humpback whales. Entanglements and vessel strikes were also reported for four unidentified large whales.

Entanglements of humpback whales comprised the majority of the large whale injuries and mortalities ($n = 41$ events) between 2009 and 2013, followed by vessel strikes of humpbacks,

(n = 16 events). Humpbacks tend to occur in nearshore waters, where there is a higher occurrence of human activities (e.g., vessel traffic, deployed fishing gear), and the whales' feeding behaviors, as well as their anatomy (e.g., long flippers), may make them more susceptible to interactions with these activities. There were four reports of multiple humpback whales involved in a single entanglement event (most involving females and calves): in three events, two whales were entangled in the same fishing gear. In these cases, each whale was assessed for injuries individually and entered as a separate record. Several reports of large whale entanglements and vessel collisions also noted human safety concerns (e.g., entangled whales dragging a gillnet and associated vessel towards rocks; and vessel occupants being ejected from the boat after colliding with a whale); this was also reported in Nielson et al. (2012).

In cases lacking details necessary for assignment to a more specific injury category (L6b,c; L7a,b; L10-L12), a SI Prorate value was assigned which is described in detail in NMFS (2012b). Many of the records of large whale entanglements were assigned to injury category L10, in which an entanglement was known to have occurred, but not enough information was available on the configuration of the entanglement to determine whether the gear was constricting the body. Better details on the configuration of entanglements (such as written descriptions from observations or aerial, underwater, and surface images), as well as follow-up information from resights of injured or disentangled whales are needed to make accurate injury determinations.

Discussion

Most reports of human-caused marine mammal injury and mortality in Alaska are obtained either through commercial fisheries observer programs, opportunistic reports from stranding networks, researchers, or at-sea sightings from vessel and aircraft operators, or from ongoing agency research and monitoring programs. Given that not all injured or dead animals are detected or wash ashore, opportunistic reports likely represent minimum values for human-caused injury and mortality of marine mammals in Alaska. Actual levels of anthropogenic impact to Alaska pinniped and cetacean stocks are almost certainly greater than the minimum values reported in this summary, although the amount greater is uncertain.

Various types of information aid in distinguishing serious from non-serious injuries, and the quality and quantity of data available for each injury and mortality record were highly variable. Some records (e.g., live whale entanglement events) consisted of images of the configuration of entanglement from multiple perspectives (e.g., underwater, aerial, and surface images). Records that included images from multiple perspectives reinforced the importance of reviewing all data available before making an assessment in order to fully examine the configuration of the entanglement. Different perspectives can confirm or rule out the presence of any constricting wraps of line or fishing gear, reducing the number of L10 (evidence of entanglement) classifications, where not enough information is known about the configuration of the entanglement to differentiate between L2 (SI) and L3 (NSI) injury categories. Stranding

responders, disentanglement teams, and fisheries observers should be encouraged to provide as many details as possible regarding entanglement configurations when documenting injured marine mammals. NMFS should also ensure that those typically responding to or reporting on injured marine mammals are informed of key information that needs to be assessed and recorded (e.g., constricting wrap vs. loose wrap, bridled or draped gear) in order to distinguish serious from non-serious injuries. For management purposes, individuals reporting fishery interactions should also be encouraged to include details, if known, that can aid in assigning injuries and deaths to specific fisheries, as well as differentiate between commercial, recreational, and subsistence fishing gear.

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Guide to Acronyms and Abbreviations Found in Appendix 1

Areas:

WAK: Western Alaska
SCAK: South Central Alaska
SEAK: Southeast Alaska
BC: British Columbia
AK: Alaska
BSAI: Bering Sea – Aleutian Islands
GOA: Gulf of Alaska
PWS: Prince William Sound
US: United States

Ages:

U: Unknown
A: Adult
SA: Subadult
SA/A: Subadult or Adult

Sex:

U: Unknown
F: Female
M: Male

Source of Information:

AKRO: NOAA, National Marine Fisheries Service, Alaska Regional Office
Observer: Fisheries Observer Program
ADFG: Alaska Department of Fish and Game

Initial Assessment and Final Determination:

SI: Serious Injury
NSI: Non-Serious Injury
CBD: Cannot be Determined

Other:

ID: Identification
SSL: Steller Sea Lion
ASLC: Alaska Sea Life Center
Undet: Undetermined
Unident: Unidentified

Appendix 1

Human-caused injury and mortality records of NMFS-managed Alaska marine mammal stocks reported for 2009-2013 and summary tables. A guide to the acronyms and abbreviations found in the tables of Appendix 1 is included on p. 12. Note: some terminology may be specific to a particular industry or practice (e.g., “flasher” and “hoochie” are types of lures used in recreational and commercial troll fisheries; “cod end” is the narrow end of a tapered trawl net, etc.) For any questions regarding specific terminology, contact the authors for assistance in clarification.

Appendix Table 1-1: Human / marine mammal interactions from Appendix Table 1-7 ranked by frequency of interaction type.

Appendix Table 1-2: Human / marine mammal interactions from Appendix Table 1-7 which resulted in a SI, SI Prorate, or mortality to the marine mammal ranked by frequency of primary cause.

Appendix Table 1-3: Human / marine mammal interactions from Appendix Table 1-7 which resulted in a SI, SI Prorate or mortality to the marine mammal ranked alphabetically.

Appendix Table 1-4: Human-caused serious injuries and mortalities to pinnipeds ranked by frequency.

Appendix Table 1-5: Human-caused serious injuries and mortalities to small cetaceans ranked by frequency.

Appendix Table 1-6: Human-caused SI, SI Prorate, or mortalities to large cetaceans ranked by frequency.

Appendix Table 1-7: Human / marine mammal interaction records reviewed for serious injury and mortality. Records are sorted by year, species, stock, and date.

Appendix Table 1-1. -- Human / marine mammal interactions from Appendix Table 1-7 ranked by frequency of interaction type.

Source of Human Interaction	Number of Human - Animal Interactions	Percent of Total
SWALLOWED TROLL FISHERY GEAR	129	21.4%
CIRCUMFERENTIAL NECK ENTANGLEMENT - UNKNOWN MATERIAL / MARINE DEBRIS	96	15.9%
CAUGHT IN AK ¹ BSAI ² FLATFISH TRAWL	56	9.3%
CAUGHT IN AK BSAI POLLOCK TRAWL	48	8.0%
GUNSHOT	41	6.8%
SHIP STRIKE	39	6.5%
CIRCUMFERENTIAL NECK ENTANGLEMENT - PACKING BAND	34	5.6%
ENTANGLED IN UNIDENTIFIED MARINE DEBRIS / GEAR	21	3.5%
CAUGHT IN SEAK ³ SALMON DRIFT GILLNET	13	2.2%
ENTANGLED IN UNSPECIFIED GILLNET	11	1.8%
ENTANGLED IN UNSPECIFIED POT GEAR	8	1.3%
CAUGHT ON AK BSAI PACIFIC COD LONGLINE	8	1.3%
DEPENDENT ANIMAL WITH HUMAN RELATED SERIOUSLY INJURED MOTHER	7	1.2%
CAUGHT IN AK BSAI PACIFIC COD TRAWL	6	1.0%
ENTANGLED IN UNSPECIFIED FISHING NET	4	0.7%
ENTANGLED IN AK GOA ⁴ SABLEFISH LONGLINE GEAR	4	0.7%
CIRCUMFERENTIAL NECK ENTANGLEMENT - RUBBER BAND	4	0.7%
ENTANGLED IN UNSPECIFIED TRAWL NET	3	0.5%
ENTANGLED IN SUBSISTENCE SALMON GILLNET	3	0.5%
ENTANGLED IN CRAB POT GEAR	3	0.5%
CIRCUMFERENTIAL NECK ENTANGLEMENT - TRAWL GEAR	3	0.5%
CIRCUMFERENTIAL NECK ENTANGLEMENT - MONOFILAMENT	3	0.5%
CAUGHT IN AK GOA FLATFISH TRAWL	3	0.5%
CAUGHT IN UNKNOWN COMMERCIAL FISHING GEAR	3	0.5%
UNATTRIBUTABLE	2	0.3%
SUBSISTENCE TAKE	2	0.3%
HANDLED BY HUMAN	2	0.3%
ENTANGLED IN UNSPECIFIED SET NET	2	0.3%
ENTANGLED IN UNSPECIFIED HALIBUT LONGLINE	2	0.3%
ENTANGLED IN RECREATIONAL SHRIMP POT GEAR	2	0.3%

¹ Alaska

² Bering Sea - Aleutian Islands

³ Southeast Alaska

⁴ Gulf of Alaska

Appendix Table 1-1. -- Continued.

Source of Human Interaction	Number of Human - Animal Interactions	Percent of Total
ENTANGLED IN SHIP'S ANCHOR GEAR	2	0.3%
CIRCUMFERENTIAL NECK ENTANGLEMENT - UNSPECIFIED FISHING NET	2	0.3%
CIRCUMFERENTIAL NECK ENTANGLEMENT - ROPE	2	0.3%
CAUGHT IN YAKUTAT SALMON SET GILLNET	2	0.3%
CAUGHT IN UNKNOWN FISHERY GEAR	2	0.3%
CAUGHT IN AK GOA PACIFIC COD TRAWL	2	0.3%
CAUGHT IN AK BSAI ATKA MACKEREL TRAWL	2	0.3%
TRAILING RECREATIONAL FISHING GEAR	1	0.2%
SWALLOWED UNSPECIFIED LONGLINE FISHERY GEAR	1	0.2%
SWALLOWED UNSPECIFIED FISHING GEAR	1	0.2%
RUBBER BAND AROUND HEAD	1	0.2%
EUTHANIZED	1	0.2%
ENTANGLED IN UNSPECIFIED TROLLING GEAR	1	0.2%
ENTANGLED IN UNSPECIFIED SE AK GOLDEN CRAB POT GEAR	1	0.2%
ENTANGLED IN UNSPECIFIED SALMON GILLNET	1	0.2%
ENTANGLED IN UNSPECIFIED LONGLINE GEAR	1	0.2%
ENTANGLED IN UNKNOWN COMMERCIAL SALMON FISHERY	1	0.2%
ENTANGLED IN SHRIMP POT GEAR	1	0.2%
ENTANGLED IN KING SALMON SUBSISTENCE SET NET	1	0.2%
ENTANGLED IN KING SALMON SUBSISTENCE NET	1	0.2%
ENTANGLED IN FOREIGN HIGH SEAS GILLNET	1	0.2%
ENTANGLED IN COMMERCIAL SALMON DRIFT GILLNET	1	0.2%
ENTANGLED IN AQUACULTURE FACILITY NET	1	0.2%
CONSTRICTING LINE WRAP	1	0.2%
CIRCUMFERENTIAL NECK ENTANGLEMENT - LONGLINE GEAR	1	0.2%
CIRCUMFERENTIAL NECK ENTANGLEMENT - CRAB POT GEAR	1	0.2%
CAUGHT ON AK GOA PACIFIC COD LONGLINE	1	0.2%
CAUGHT IN YAKUTAT SUBSISTENCE KING SALMON SET GILLNET	1	0.2%
CAUGHT IN SE AK SUBSISTENCE SALMON DRIFT GILLNET	1	0.2%
CAUGHT IN SE AK COMMERCIAL DUNGENESS CRAB POT GEAR	1	0.2%

Appendix Table 1-1. -- Continued.

Source of Human Interaction	Number of Human - Animal Interactions	Percent of Total
CAUGHT IN PWS ⁵ SALMON SEINE	1	0.2%
CAUGHT IN BRISTOL BAY SUBSISTENCE KING SALMON SET GILLNET	1	0.2%
CAUGHT IN AK GOA SABLEFISH LONGLINE	1	0.2%
ARROW IN MUZZLE	1	0.2%

⁵ Prince William Sound

Appendix Table 1-2. -- Human / marine mammal interactions from Appendix Table 1-7 which resulted in a SI, SI Prorate, or mortality to the marine mammal ranked by frequency of primary cause.

Source of Human-caused Injury / Mortality	Number of Mortalities, SI, SI Prorate	Percent of Total
SWALLOWED TROLL FISHERY GEAR	126	24.6%
CIRCUMFERENTIAL NECK ENTANGLEMENT - UNKNOWN MATERIAL / MARINE DEBRIS	90	17.5%
CAUGHT IN AK ⁶ BSAI ⁷ FLATFISH TRAWL	56	10.9%
CAUGHT IN AK BSAI POLLOCK TRAWL	48	9.4%
GUNSHOT	41	8.0%
CIRCUMFERENTIAL NECK ENTANGLEMENT - PACKING BAND	24	4.7%
SHIP STRIKE	18.38	3.6%
ENTANGLED IN UNIDENTIFIED MARINE DEBRIS / GEAR	15	2.9%
CAUGHT IN SEAK ⁸ SALMON DRIFT GILLNET	7.25	1.4%
CAUGHT ON AK BSAI PACIFIC COD LONGLINE	7	1.4%
CAUGHT IN AK BSAI PACIFIC COD TRAWL	6	1.2%
DEPENDENT ANIMAL WITH HUMAN-RELATED SERIOUSLY INJURED MOTHER	6	1.2%
ENTANGLED IN UNSPECIFIED GILLNET	4.75	0.9%
CIRCUMFERENTIAL NECK ENTANGLEMENT - RUBBER BAND	4	0.8%
ENTANGLED IN UNSPECIFIED POT GEAR	3.25	0.6%
CAUGHT IN AK GOA ⁹ FLATFISH TRAWL	3	0.6%
CAUGHT IN COMMERCIAL FISHING GEAR	3	0.6%
CIRCUMFERENTIAL NECK ENTANGLEMENT - MONOFILAMENT	3	0.6%
CAUGHT IN AK BSAI ATKA MACKEREL TRAWL	2	0.4%
CAUGHT IN AK GOA PACIFIC COD TRAWL	2	0.4%
CAUGHT IN UNKNOWN FISHERY GEAR	2	0.4%
CAUGHT IN YAKUTAT SALMON SET GILLNET	2	0.4%
CIRCUMFERENTIAL NECK ENTANGLEMENT - ROPE	2	0.4%
CIRCUMFERENTIAL NECK ENTANGLEMENT - TRAWL GEAR	2	0.4%
CIRCUMFERENTIAL NECK ENTANGLEMENT - UNSPECIFIED FISHING NET	2	0.4%
ENTANGLED IN GROUND TACKLE	2	0.4%
ENTANGLED IN SUBSISTENCE SALMON GILLNET	2	0.4%
ENTANGLED IN RECREATIONAL SHRIMP POT GEAR	1.75	0.3%
ENTANGLED IN UNSPECIFIED HALIBUT LONGLINE	1.75	0.3%

⁶ Alaska

⁷ Bering Sea – Aleutian Islands

⁸ Southeast Alaska

⁹ Gulf of Alaska

Appendix Table 1-2. -- Continued.

Source of Human-caused Injury / Mortality	Number of Mortalities, SI, SI Prorate	Percent of Total
ENTANGLED IN UNSPECIFIED SET NET	1.75	0.3%
CAUGHT ON AK GOA SABLEFISH LONGLINE	1.5	0.3%
ENTANGLED IN AK GOA SABLEFISH LONGLINE GEAR	1.5	0.3%
ENTANGLED IN UNSPECIFIED FISHING NET	1	0.2%
ARROW IN MUZZLE	1	0.2%
CAUGHT IN AK GOA SABLEFISH LONGLINE	1	0.2%
CAUGHT IN BRISTOL BAY SUBSISTENCE KING SALMON SET GILLNET	1	0.2%
CAUGHT IN PWS ¹⁰ SALMON SEINE	1	0.2%
CAUGHT IN YAKUTAT SUBSISTENCE KING SALMON SET GILLNET	1	0.2%
CAUGHT ON AK GOA PACIFIC COD LONGLINE	1	0.2%
CIRCUMFERENTIAL NECK ENTANGLEMENT - CRAB POT GEAR	1	0.2%
CIRCUMFERENTIAL NECK ENTANGLEMENT - LONGLINE GEAR	1	0.2%
ENTANGLED IN AQUACULTURE FACILITY NET	1	0.2%
ENTANGLED IN COMMERCIAL SALMON DRIFT GILLNET	1	0.2%
ENTANGLED IN FOREIGN HIGH SEAS GILLNET	1	0.2%
ENTANGLED IN KING SALMON SUBSISTENCE SET NET	1	0.2%
ENTANGLED IN UNKNOWN COMMERCIAL SALMON FISHERY	1	0.2%
ENTANGLED IN UNSPECIFIED TRAWL NET	1	0.2%
SUBSISTENCE TAKE	1	0.2%
SWALLOWED UNSPECIFIED FISHING GEAR	1	0.2%
SWALLOWED UNSPECIFIED LONGLINE FISHERY GEAR	1	0.2%
TRAILING RECREATIONAL FISHING GEAR	1	0.2%
ENTANGLED IN UNSPECIFIED LONGLINE GEAR	0.75	0.1%
ENTANGLED IN UNSPECIFIED SALMON GILLNET	0.75	0.1%
ENTANGLED IN UNSPECIFIED SEAK GOLDEN CRAB POT GEAR	0.75	0.1%

¹⁰ Prince William Sound

Appendix Table 1-3. -- Human / marine mammal interactions from Appendix Table 1-7 which resulted in a SI, SI Prorate or mortality to the marine mammal ranked alphabetically.

Common Name	Number of Mortalities, SI, SI Prorate
Bearded seal	6
Beluga whale	4
Bowhead whale	1
Dall's porpoise	3
Fin whale	3
Harbor porpoise	8
Harbor seal	21
Humpback whale	57
Killer whale	6
Northern fur seal	28
Ribbon seal	3
Ringed seal	22
Sperm whale	4
Spotted seal	5
Steller sea lion	352
Unidentified pinniped	4
Unidentified whale	2

Appendix Table 1-4. -- Human-caused serious injuries and mortalities to pinnipeds from Appendix Table 1-7 ranked by frequency.

Source of Human-caused Injury / Mortality	Number of Mortalities and SI	Percent of Total
SWALLOWED TROLL GEAR	126	28.6%
CIRCUMFERENTIAL NECK ENTANGLEMENT - UNKNOWN MATERIAL / MARINE DEBRIS	90	20.4%
CAUGHT IN AK ¹¹ BSAI ¹² FLATFISH TRAWL	53	12.0%
CAUGHT IN AK BSAI POLLOCK TRAWL	44	10.0%
GUNSHOT	41	9.3%
CIRCUMFERENTIAL NECK ENTANGLEMENT - PACKING BAND	24	5.4%
CAUGHT IN AK BSAI PACIFIC COD TRAWL	6	1.4%
DEPENDENT ANIMAL WITH HUMAN RELATED SERIOUSLY INJURED MOTHER	6	1.4%
CAUGHT ON AK BSAI PACIFIC COD LONGLINE	5	1.1%
CIRCUMFERENTIAL NECK ENTANGLEMENT - RUBBER BAND	4	0.9%
SHIP STRIKE	4	0.9%
CAUGHT IN AK GOA ¹³ FLATFISH TRAWL	3	0.7%
CAUGHT IN COMMERCIAL FISHING GEAR	3	0.7%
CIRCUMFERENTIAL NECK ENTANGLEMENT - MONOFILAMENT	3	0.7 %
CAUGHT IN AK BSAI ATKA MACKERAL TRAWL	2	0.5%
CAUGHT IN AK GOA PACIFIC COD TRAWL	2	0.5%
CAUGHT IN UNKNOWN FISHERY GEAR	2	0.5%
CIRCUMFERENTIAL NECK ENTANGLEMENT - ROPE	2	0.5%
CIRCUMFERENTIAL NECK ENTANGLEMENT - TRAWL GEAR	2	0.5%
CIRCUMFERENTIAL NECK ENTANGLEMENT - UNSPECIFIED FISHING NET	2	0.5%
ENTANGLED IN UNIDENTIFIED MARINE DEBRIS / GEAR	2	0.5%
ARROW IN MUZZLE	1	0.2%
CAUGHT IN AK GOA SABLEFISH LONGLINE	1	0.2%
CAUGHT IN PWS ¹⁴ SALMON SEINE	1	0.2%
CAUGHT ON AK GOA PACIFIC COD LONGLINE	1	0.2%
CIRCUMFERENTIAL NECK ENTANGLEMENT - CRAB POT GEAR	1	0.2%
CIRCUMFERENTIAL NECK ENTANGLEMENT - LONGLINE GEAR	1	0.2%
ENTANGLED IN AQUACULTURE FACILITY NET	1	0.2%
ENTANGLED IN FOREIGN HIGH SEAS GILLNET	1	0.2%
ENTANGLED IN UNSPECIFIED FISHING NET	1	0.2%

¹¹ Alaska

¹² Bering Sea – Aleutian Islands

¹³ Gulf of Alaska

¹⁴ Prince William Sound

Source of Human-caused Injury / Mortality	Number of Mortalities and SI	Percent of Total
ENTANGLED IN UNSPECIFIED HALIBUT LONGLINE	1	0.2%
ENTANGLED IN UNSPECIFIED SET NET	1	0.2%
SUBSISTENCE TAKE	1	0.2%
SWALLOWED UNSPECIFIED FISHING GEAR	1	0.2%
SWALLOWED UNSPECIFIED LONGLINE FISHERY GEAR	1	0.2%
TRAILING RECREATIONAL FISHING GEAR	1	0.2%

Appendix Table 1-5. -- Human-caused serious injuries and mortalities to small cetaceans from Appendix Table 1-7 ranked by frequency.

Source of Human-caused Injury / Mortality	Number of Mortalities and SI	Percent of Total
CAUGHT IN SEAK ¹⁵ SALMON DRIFT GILLNET	3	14.3%
CAUGHT IN AK ¹⁶ BSAI ¹⁷ FLATFISH TRAWL	2	9.5%
CAUGHT IN AK BSAI POLLOCK TRAWL	2	9.5%
CAUGHT IN YAKUTAT SALMON SET GILLNET	2	9.5%
ENTANGLED IN SUBSISTENCE SALMON GILLNET	2	9.5%
SHIP STRIKE	2	9.5%
CAUGHT ON AK BSAI PACIFIC COD LONGLINE	2	9.5%
CAUGHT IN BRISTOL BAY SUBSISTENCE KING SALMON SET GILLNET	1	4.8%
CAUGHT IN YAKUTAT SUBSISTENCE KING SALMON SET GILLNET	1	4.8%
ENTANGLED IN COMMERCIAL SALMON DRIFT GILLNET	1	4.8%
ENTANGLED IN KING SALMON SUBSISTENCE SET NET	1	4.8%
ENTANGLED IN UNKNOWN COMMERCIAL SALMON FISHERY	1	4.8%
ENTANGLED IN UNSPECIFIED TRAWL NET	1	4.8%

¹⁵ Southeast Alaska

¹⁶ Alaska

¹⁷ Bering Sea – Aleutian Islands

Appendix Table 1-6. -- Human-caused SI, SI Prorate, or mortalities to large cetaceans from Appendix Table 1-7 ranked by frequency.

Source of Human-caused Injury / Mortality	Number of Mortalities, SI, SI Prorate	Percent of Total
ENTANGLED IN UNIDENTIFIED MARINE DEBRIS / GEAR	13	25.4%
SHIP STRIKE	12.38	24.2%
ENTANGLED IN UNSPECIFIED GILLNET	4.75	9.3%
CAUGHT IN SEAK SALMON DRIFT GILLNET	4.25	8.3%
ENTANGLED IN UNSPECIFIED POT GEAR	3.25	6.4%
ENTANGLED IN AK GOA SABLEFISH LONGLINE GEAR	3	5.9%
CAUGHT IN AK BSAI POLLOCK TRAWL	2	3.9%
ENTANGLED IN GROUND TACKLE	2	3.9%
ENTANGLED IN RECREATIONAL SHRIMP POT GEAR	1.75	3.4%
CAUGHT IN AK BSAI FLATFISH TRAWL	1	2.0%
ENTANGLED IN UNSPECIFIED HALIBUT LONGLINE	0.75	1.5%
ENTANGLED IN UNSPECIFIED LONGLINE GEAR	0.75	1.5%
ENTANGLED IN UNSPECIFIED SALMON GILLNET	0.75	1.5%
ENTANGLED IN UNSPECIFIED SEAK GOLDEN CRAB POT GEAR	0.75	1.5%
ENTANGLED IN UNSPECIFIED SET NET	0.75	1.5%

Appendix Table 1-7. -- Human / marine mammal interaction records reviewed for serious injury and mortality. Records sorted by year, species, stock, and date.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
779	7/30/2009	2009	Eastern Bering Sea	WAK	Bearded Seal	Alaska	U	U	Observer	A bearded seal was killed in AK BSAI trawl gear. Three pictures were taken by the observer.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
2009026	6/8/2009	2009	Dillingham	WAK	Beluga Whale	Bristol Bay	SA	M	AKRO	A beluga whale caught in subsistence king salmon set net at Kakanak Beach, Dillingham. Animal died in net, was butchered, and distributed to Dillingham residents for subsistence purposes.	DEAD	DEAD	S7a	1	1	Caught in Bristol Bay subsistence king salmon set gillnet	Bristol Bay king salmon set gillnet - subsistence
794	2/23/2009	2009	Eastern Bering Sea	WAK	Dall's Porpoise	Alaska	U	U	Observer	The head of a Dall's porpoise was found dangling from the first part of AK BSAI pollock trawl net. The haul back was paused and the head was collected. Head was retained for ID confirmation.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
795	8/30/2009	2009	Eastern Bering Sea	WAK	Dall's Porpoise	Alaska	U	U	Observer	A Dall's porpoise was hooked by the tail in AK BSAI Pacific cod longline gear during an observer's off haul. It was found dead. The porpoise fell from the line before being brought aboard.	DEAD	DEAD	N/A	1	1	Caught on AK BSAI Pacific cod longline	AK BSAI Pacific cod longline
2009022	6/1/2009	2009	Valdez	SCAK	Fin Whale	Northeast Pacific	U	U	AKRO	A fin whale was found dead on the bulbous bow of an oil tanker in Valdez Arm. The whale became a 'homeland security issue' and was sunk without a necropsy conducted. The animal was determined to be a fin whale following photo evaluations.	DEAD	DEAD	L6a	1	1	Ship strike	
2009059	7/14/2009	2009	Chignik	WAK	Harbor Porpoise	Gulf of Alaska	CALF	U	AKRO	A harbor porpoise calf was found in the surf and put it in a tote. Attempts to transfer to the ASLC were unsuccessful and the porpoise was released near other porpoise. Unlikely interaction resulted in injuries beyond those associated with porpoise washing ashore.	NSI	NSI	N/A	N/A	N/A	Handled by human	
2009008	4/20/2009	2009	Yakutat	SEAK	Harbor Porpoise	SE Alaska	U	U	AKRO	A fisherman found a porpoise that drowned in his set net. He attached the porpoise by line to a stone weight and sank it in five fathoms of water.	DEAD	DEAD	S7a	1	1	Caught in Yakutat salmon set gillnet	AK Yakutat salmon set gillnet
2009017	5/8/2009	2009	Yakutat	SEAK	Harbor Porpoise	SE Alaska	A	M	AKRO	A harbor porpoise was caught and killed in a subsistence king salmon gillnet at Yakutat. The porpoise was reported and surrendered by the fisherman for future necropsy.	DEAD	DEAD	S7a	1	1	Caught in Yakutat subsistence king salmon set gillnet	Yakutat King salmon set gillnet - subsistence
2009038	6/23/2009	2009	Ketchikan	SEAK	Harbor Seal	Undet.	PUP	U	AKRO	A baby harbor seal was recovered in Herring Cove, Ketchikan. The seal was dead with severe damage to its head, but otherwise the animal looked healthy. A review of photos, necropsy results, and other details indicate this harbor seal was killed a ship strike.	DEAD	DEAD	N/A	1	1	Ship strike	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2009162	7/4/2009	2009	Valdez	SCAK	Harbor Seal	Undet.	U	U	AKRO	A fisherman was fishing at Allison Point with a lure and bait-less treble hook when he caught a harbor seal. The fisherman cut the line when the seal was at the surface. The hook location is unknown, but given that the animal was released trailing line this interaction qualifies as a SI under P6.	SI	SI	P6	1	1	Trailing recreational fishing gear	
2009128	9/8/2009	2009	Cook Inlet	SCAK	Harbor Seal	Undet.	A	M	AKRO	A harbor seal was recovered by NOAA Office of Law Enforcement after receiving a report of vessels shooting into the water in Cook Inlet. A necropsy was conducted and the animal was determined to be shot with a .22 or .223.	DEAD	DEAD	P9	1	1	Shot	
2009015	5/13/2009	2009	Wrangell	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback in Zimovia Strait, ten miles south of Wrangell, was seen trailing 15-20 feet of line and a buoy behind fluke. The whale was observed close to shore shaking its tail, perhaps trying to shake gear off. The entanglement was possibly life-threatening according to entanglement report.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	
2009040	6/5/2009	2009	Gustavus	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback whale surfaced underneath an anchored Zodiac that was sport fishing for halibut. The whale lifted the boat three feet out of the water. The engines were off but three fishing lines began to whizz out. The boat operator quickly cut the lines. The whale surfaced 200 yards away, too far away to see if any gear was hooked in the whale. Due to vessel size and speed, interaction classified as L6c, NSI. May also qualify as L3 (fishing gear), and L4.	NSI	NSI	L6c	0	0	Ship strike	
2009170	7/3/2009	2009	Cross Sound	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A 32 foot vessel was underway at seven knots. The operator felt a thump, thought he hit a log, shut down the engine to investigate, and heard a whale breathing astern, heading away from the boat. He found a gob of whale tissue on his anchor 4 ft above the water. The vessel operator thinks the whale surfaced ahead of the boat and immediately dove hitting the boat and anchor with its fluke. Due to vessel size and speed this interaction is classified as L6c, NSI.	NSI	NSI	L6c	0	0	Ship strike	
2009046	7/5/2009	2009	Valdez	SCAK	Humpback Whale	Central North Pacific	SA	U	AKRO	A humpback whale, outside of Valdez was hit by a 56 ft tour boat while underway at 18.5 knots. There was a bump on the port side that sounded like a log and about 20 seconds later a humpback whale surfaced behind the boat. The crew observed four complete dive-cycles and did not notice any injuries or unusual behavior. Observation of whales in the same area on subsequent days revealed no apparent injuries. Interaction is classified as L6b and prorated at 0.2.	Prorate	Prorate	L6b	0.2	0.2	Ship strike	
2009048	7/14/2009	2009	Juneau	SEAK	Humpback Whale	Central North Pacific	CALF	U	AKRO	A humpback whale calf outside of Juneau was observed entangled in a gillnet on 7/14/09. The next day a response was mounted and the animal was assessed. Some gear was observed to remain on the animal, including gillnet draped across the calf's back. Interaction is classified as L10 and prorated at 0.75.	Prorate	Prorate	L10	0.75	0.75	Entangled in unspecified gillnet	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2009063	7/20/2009	2009	Skagway	SEAK	Humpback Whale	Central North Pacific	SA	U	AKRO	A humpback whale was observed entangled in locally set pot gear. A red polyball was seen trailing 50-60 feet behind animal. Over the next few days the whale shed some gear and two weeks later was observed to be free of all gear. Interaction was initially classified as L10 but considered NSI after the whale shed gear.	Prorate	NSI	L10	0.75	0	Entangled in unspecified pot gear	
2009080	8/4/2009	2009	Pt. Adolphus	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	The operator of a 17 foot skiff travelling at 35 mph believes the skiff likely hit humpback whale. There were numerous humpbacks in area. Subsequent surveys of the area revealed no injured or dead animals. Due to vessel size and speed interaction classified as L6b and prorated at 0.2.	Prorate	Prorate	L6b	0.2	0.2	Ship strike	
2009098	8/9/2009	2009	Angoon	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	An operator of a charter fishing vessel out of Angoon, AK reported striking a humpback whale in Chatham Strait. Reportedly the whale surfaced underneath the vessel while the vessel was underway. There were no apparent injuries to the whale and the whale seemed to behave normally. No info available regarding speed and size of vessel, thus interaction classified as L12 and prorated at 0.36.	Prorate	Prorate	L12	0.36	0.36	Ship strike	
2009143	9/1/2009	2009	Icy Strait	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A vessel strike of a humpback whale was reported in confidence to a National Park Service creel clerk, no other details were provided. Due to a lack of information this interaction is classified as L12 and prorated at 0.36.	Prorate	Prorate	L12	0.36	0.36	Ship strike	
2009130	9/21/2009	2009	Glacier Bay	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	Humpback whale in Glacier Bay was seen dragging an orange buoy determined to be recreational shrimp pot gear. A telemetry buoy was deployed by a disentanglement team to track the whale. Later, it became apparent animal had shed gear. Responders located the telemetry buoy along with 75-85 fathoms of line. Interaction qualifies as L10 and is prorated at 0.75 due to uncertainty regarding remaining gear.	Prorate	Prorate	L10	0.75	0.75	Entangled in recreational shrimp pot gear	
2009141	9/22/2009	2009	Tenakee	SEAK	Humpback Whale	Central North Pacific	A	U	AKRO	A humpback whale was entangled in recreational shrimp gear in Tenakee Inlet. The whale was reported to be entangled in 600 ft of buoy line with two floats, a small recreational shrimp pot, a 35-50 lb weight bag, and 150 ft – 200 ft of ground line. Whale was not resighted. The entanglement was possibly life threatening according to entanglement report. Interaction is classified as L2 and considered a serious injury due to indications that the whale was heavily weighted with gear.	SI	SI	L2	1	1	Entangled in recreational shrimp pot gear	
2009166	11/7/2009	2009	Haines	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	An entangled humpback whale was spotted from the NOAA ship <i>Fairweather</i> . The animal was entangled with one or two floating buoys and some attached line. It was headed in a southerly direction very slowly and appeared fatigued or resting. The whale was not seen again. Interaction is classified as L10 and prorated at 0.75 due to lack of detailed entanglement information.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2009164	10/31/2009	2009	Kodiak	Kodiak	Humpback Whale	Western North Pacific / Central North Pacific	U	U	AKRO	A humpback whale was entangled on the north side of Kodiak Island. An observer noted from a distance the whale was in distress and trailed one or two buoys. The whale was associated with a group of four to five animals. The whales left the bay and were not seen again. Interaction classified as L10 and prorated at 0.75 due to lack of detailed entanglement information.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	
796	6/8/2009	2009	Eastern Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	U	U	Observer	A pod of killer whales were reportedly following an AK BSAI flatfish trawl vessel during an entire trip. During a haul in which killer whales were following the vessel the observer reported a large bang and the boat shuddered. Red stained water appeared in wake. The observer believed a killer whale, possibly a calf, was killed by the prop.	DEAD	DEAD	N/A	1	1	Ship strike	AK BSAI flatfish trawl
797	6/15/2009	2009	Eastern Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	U	U	Observer	Unconfirmed report of an AK BSAI flatfish trawl vessel striking killer whale.	DEAD	DEAD	N/A	0	0	Possible ship strike	AK BSAI flatfish trawl
778	10/14/2009	2009	Eastern Bering Sea	WAK	Northern Fur Seal	Eastern Pacific	U	U	Observer	A northern fur seal drowned in AK BSAI flatfish trawl net in eastern Bering Sea.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1101	8/5/2010	2009	Eastern Bering Sea	WAK	Northern Fur Seal	Eastern Pacific	U	U	Observer	A northern fur seal was found dead following a haul. It was killed by gear and foaming at the mouth. The observer removed the animal's head and snout, and blood flowed freely.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
789	7/19/2009	2009	Central Bering Sea	WAK	Ribbon Seal	Alaska	U	U	Observer	A ribbon seal was caught and killed in a haul. Pictures were taken and the head was removed and frozen. Animal appeared to be fresh dead and blood was hot. Species identification was determined by J. Thomson.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
790	10/7/2009	2009	BSAI (western)	WAK	Ribbon Seal	Alaska	U	U	Observer	A ribbon seal was caught and killed in an Atka mackerel trawl.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Atka mackerel trawl	AK BSAI Atka mackerel trawl
791	5/28/2009	2009	Central Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught and killed in a haul. Species was confirmed with tissue sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
792	8/6/2009	2009	Central Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught and killed in a haul. No evident signs of trauma were observed. Samples were taken. Species identification was determined by J. Thomson.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
793	5/4/2009	2009	Central Bering Sea	WAK	Spotted Seal (Larga)	Alaska	U	U	Observer	A spotted seal was caught and killed in a haul. The head was removed by the observer for a sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
2009010	4/7/2009	2009	Sitka	SEAK	Steller Sea Lion	Eastern US	A	M	AKRO	A dead SSL was found floating in Sitka channel with what appeared to be hull paint on its body. A necropsy was conducted which revealed bruising consistent with ship-strike.	DEAD	DEAD	P15	1	1	Ship strike	
AER_AF_53	5/13/2009	2009	Gran Pt	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material /	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
																marine debris	
AER_AF_54	5/22/2009	2009	Gran Pt	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_AF_55	5/26/2009	2009	Forrester - Lowrie Is: El Cap Shore	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_AF_56	5/28/2009	2009	Forrester - Lowrie Is: Boyd 7	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00065	5/30/2009	2009	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00088	6/8/2009	2009	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL with a scar presumed to be from a circumferential neck entanglement was observed. The wound appeared to be healing.	SI	NSI	P8a	1	0	circumferential neck entanglement - unknown material / marine debris	
AER_AF_57.1	6/15/2009	2009	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL with a nursing pup was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_AF_57.2	6/15/2009	2009	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	PUP	U	ADFG	This is the pup of an animal with a SI. The pup's mother has a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P14	1	1	Dependent animal with SI mother	
2009131	6/16/2009	2009	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A National Park Service Ranger reported seeing a live SSL with a flasher coming out of its mouth hauled out on South Marble Island. The animal appeared to be a young male. The animal was not seen again.	SI	SI	P2	1	1	Swallowed troll gear	
AER00066	6/22/2009	2009	Forrester - East Rks	SEAK	Steller Sea Lion	Eastern US	PUP	U	ADFG	A nursing SSL pup was observed with a deep circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AER_SM_62	6/26/2009	2009	Sail Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_SM_63	6/28/2009	2009	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00050	6/30/2009	2009	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00082	6/30/2009	2009	Hazy Is - Grassy Is	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult male SSL was observed with a with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF_SM_34	7/1/2009	2009	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear, the flasher was hanging from the right side of the animal's mouth. Flasher was orange.	SI	SI	P2	1	1	Swallowed troll gear	
AER00051	7/1/2009	2009	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
AER_AF_58	7/2/2009	2009	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_JU_61	7/2/2009	2009	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00052	7/2/2009	2009	Timbered Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by a rubber band.	SI	SI	P8a	1	1	circumferential neck entanglement - rubber band	
AEF_NU_43	7/3/2009	2009	Cape Addington	SEAK	Steller Sea Lion	Eastern US	SA/A D	U	ADFG	A SSL that swallowed troll fishery gear was observed. The flasher was observed trailing from the animal.	SI	SI	P2	1	1	Swallowed troll gear	
AB001604	7/5/2009	2009	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a flasher trailing from the left side of its mouth. The flasher was silver with an orange rim. The animal was	SI	NSI	P2	1	0	Swallowed troll gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
										seen in subsequent years without the flasher and appeared to be healthy.							
AEF_AF_35	7/5/2009	2009	White Sisters	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL that swallowed troll fishery gear was observed with a flasher trailing. The flasher was silver with an orange edge.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_NM_36	7/5/2009	2009	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA/A D	M	ADFG	A male SSL swallowed troll fishery gear and was observed with a flasher trailing. The flasher was lime green.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_JU_37	7/6/2009	2009	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL swallowed troll fishery gear and the flasher was observed trailing from the right side of mouth. The flasher was silver with orange trim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_NM_38	7/6/2009	2009	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA/A D	M	ADFG	A male SSL swallowed troll fishery gear and a flasher was observed trailing from the right side of its mouth. The flasher was silver with red rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_39	7/6/2009	2009	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and a flasher was observed trailing from the right side of its mouth. The flasher was silver with red.	SI	SI	P2	1	1	Swallowed troll gear	
AER_AF_59	7/6/2009	2009	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF_AM_40	7/7/2009	2009	White Sisters	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult male SSL swallowed troll fishery gear and a flasher was observed trailing from the left side of its mouth. The flasher was silver and red.	SI	SI	P2	1	1	Swallowed troll gear	
2009044	7/8/2009	2009	North Pass	SEAK	Steller Sea Lion	Eastern US	SA	M	AKRO	A NOAA vessel operator observed a SSL carcass floating in North Pass near Juneau. When the SSL's body was hauled aboard the operator noted a bloody wound. A necropsy was performed and it was confirmed that the SSL was shot.	DEAD	DEAD	P9	1	1	shot	
AEF_SM_41	7/8/2009	2009	Inian Islands	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and a flasher was observed trailing. The flasher was orange and white.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00030	7/8/2009	2009	Inian Islands	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and the flasher was observed trailing. The flasher was silver and blue or silver and green.	SI	SI	P2	1	1	Swallowed troll gear	
AER00068	7/8/2009	2009	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF_SM_42	7/9/2009	2009	Inian Islands	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and a flasher was observed trailing. The flasher was silver with orange trim.	SI	SI	P2	1	1	Swallowed troll gear	
AB002412	7/10/2009	2009	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and a flasher was observed trailing from the left side of its mouth. The flasher was silver with bright green rim. The animal was seen in subsequent years without the flasher and appeared to be healthy.	SI	NSI	P2	1	0	Swallowed troll gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AER_AF_60	7/10/2009	2009	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2009110	8/27/2009	2009	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A biologist reported seeing a SSL with a silver flasher hanging from mouth at Lituya Bay outside Gustavus.	SI	SI	P2	1	1	Swallowed troll gear	
2009122	9/4/2009	2009	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A biologist reported seeing a SSL hauled out on South Marble Island with a flasher hanging from its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
780	1/27/2009	2009	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed in a haul. The snout and canines were removed by the observer and pictures were taken.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
782	2/14/2009	2009	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed in a haul. The snout was collected and photos were taken by observer.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
781.1	2/16/2009	2009	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	Two SSLs were pulled up in the net during the haul. Both were killed by gear. Pictures and the heads of both were taken by the observer as samples. SSL one of two.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
781.2	2/16/2009	2009	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	Two SSLs were pulled up in the net during the haul. Both were killed by gear. Pictures and the heads of both were taken by the observer as samples. SSL two of two.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
784	2/17/2009	2009	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed in a trawl net. Photos & sampling were conducted by the observer.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
783	3/18/2009	2009	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed in a haul. The observer noted foam coming from the animal's snout and mouth.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
785	5/6/2009	2009	Central Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was killed in a haul. Pictures and samples were taken by the observer. The observer noted the carcass was in good condition and still had warm blood.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
786	6/10/2009	2009	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was killed in a trawl net. The observer noted the animal was foaming at mouth when brought aboard. Pictures and snout were taken by the observer as samples.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
787	6/11/2009	2009	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed in a haul. The observer noted the animal was fresh dead and there were no signs of decomposition.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
AER_AM_7	7/17/2009	2009	Glacier Is	PWS	Steller Sea Lion	Western US	A	M	ADFG	An adult male SSL was observed with a deep circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
A00445	7/30/2009	2009	Chiswell Is	PWS	Steller Sea Lion	Western US	SA	M	ADFG	A subadult male SSL swallowed troll gear and a flasher was observed trailing from the left side of its mouth. The flasher was silver & white. The SSL was seen in subsequent years without the flasher and appeared to be healthy.	SI	NSI	P2	1	0	Swallowed troll gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2009088	8/17/2009	2009	Valdez	SCAK	Steller Sea Lion	Western US / Eastern US	U	U	AKRO	A SSL outside of Valdez was observed with a flasher hanging from its mouth. The reporter said the SSL was in bad shape and reported the SSL's mouth was possibly stuck closed due to treble hooks and brown mucus was observed coming from the animal's mouth. The observer said the SSL would not leave the buoy it was hauled out on, even after the observer was within five feet of buoy.	SI	SI	P2	1	1	Swallowed troll gear	
2009039	6/27/2009	2009	Sitka	SEAK	Unident. Pinniped	N/A	U	U	AKRO	A pinniped was observed hauled on Biali Rock in Sitka Sound. The animal had a flasher hanging from its mouth. The observer reported the animal was a fur seal, but the animal was sighted in an area not known for fur seals, but for SSLs.	SI	SI	P2	1	1	Swallowed troll gear	
1018	9/29/2009	2009	Central Bering Sea	WAK	Unident. Pinniped	N/A	U	U	Observer	An unidentified pinniped was hooked on AK BSAI Pacific cod longline gear. The pinniped appeared to be dead, but the crew was unable to retrieve the animal and the observer was unable to collect additional details.	DEAD	DEAD	N/A	1	1	Caught on AK BSAI Pacific cod longline	AK BSAI Pacific cod longline
1105	7/6/2010	2010	Eastern Bering Sea	WAK	Bearded Seal	Alaska	U	U	Observer	A bearded seal was brought up in the cod end of the net and reported by observer to be killed by gear. Species identification was verified by J. Thomason.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
2010100	7/23/2010	2010	Dillingham	WAK	Beluga Whale	Bristol Bay	A	U	AKRO	The reporter was unable to reach the beluga carcass due to deep soft mud. A rotten odor was apparent from ten yards away. Knife cuts were evident and some skin and flukes had apparently been removed prior to stranding at this location. Although there is evidence of subsistence scavenging, the cause of death cannot be determined.	DEAD	DEAD	N/A	N/A	N/A	Unattributable	
2010030	5/26/2010	2010	Cook Inlet	SCAK	Beluga Whale	Cook Inlet	A	U	AKRO	A beluga with a constricting line wrapped around its body was sighted numerous times over 2010 and 2011. Photos show that the beluga does not appear to be trailing gear and the line does not appear to be cutting into body. This interaction fits criteria S6, which ordinarily would be considered a serious injury, however, frequent resights show this animal is not experiencing a decline in health and therefore this considered a non-serious injury.	SI	NSI	S6	1	0	Constricting line wrapped around beluga, observed repeatedly over subsequent years with no obvious health decline	
2010214	8/21/2010	2010	Nome	WAK	Beluga Whale	Eastern Bering	A	U	AKRO	A beluga became entangled in subsistence salmon net and drowned.	DEAD	DEAD	S7a	1	1	Entangled in subsistence salmon gillnet	
2010079	7/4/2010	2010	Chukchi Sea	Arctic	Bowhead Whale	Western Arctic	A	F	AKRO	A dead bowhead whale washed up on shore, entangled in pot gear. The animal was in advanced decomposition and flukes and baleen were absent. The gear was retrieved and sent to Nome. This interaction is classified as L2 due to heavy weighting associated with pot gear entanglement.	DEAD	DEAD	L2	1	1	Entangled in unspecified pot gear	
2010170	8/29/2010	2010	Kodiak	Kodiak	Fin Whale	Northeast Pacific	SA	F	AKRO	Fin whale observed floating dead outside Kodiak Harbor. The carcass was towed to a beach and necropsied. Bruising and ante-mortem skull fracture indicate that the cause of death was a	DEAD	DEAD	N/A	1	1	ship strike	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
										ship strike.							
2010016	5/13/2010	2010	Yakutat	SEAK	Harbor Porpoise	SE Alaska	A	M	AKRO	A harbor porpoise became entangled in a gillnet. A witness tried to free the animal, but the porpoise died before it could be released.	SI	DEAD	s7a	1	1	Caught in Yakutat salmon set gillnet	AK Yakutat salmon set gillnet
2010006	4/5/2010	2010	Tanunak	WAK	Harbor Seal	Undet.	PUP	M	AKRO	A harbor seal was subsistence harvested and then the hunter delivered a seal pup from the dead seal. The newborn pup was then sent to AK Sea Life Center. The seal pup was rehabilitated and sent to UC Santa Cruz. A final prorate value of 1 was assigned due to removal of the pup from the population.	SI	SI	N/A	1	1	Subsistence take	
2010025	5/21/2010	2010	Cordova	SCAK	Harbor Seal	Undet.	PUP	M	AKRO	A harbor seal pup became entangled in fishing net, was brought aboard, and delivered to AK Sea Life Center. The pup was rehabilitated and released and this interaction is considered a NSI.	SI	NSI	P7b	1	0	Entangled in unspecified fishing net	
2010053	6/17/2010	2010	Endicott	SEAK	Harbor Seal	Undet.	U	U	AKRO	A harbor seal surfaced under an underway small boat after which the boat operator observed a two inch by five inch long cut above seal's hind flipper. The seal appeared disoriented, swam in a couple of circles, and then dove and was not seen again. Consulted with Tom Gelatt, Peter Boveng, both agree this is SI under criteria P3.	SI	SI	P3	1	1	Ship strike	
2010148	7/26/2010	2010	Ketchikan	SEAK	Harbor Seal	Undet.	U	U	AKRO	A law enforcement officer received a report of a harbor seal with a hook and weight in its mouth near Ketchikan.	SI	SI	P5a	1	1	Swallowed unspecified fishing gear	
2010168	8/15/2010	2010	Juneau	SEAK	Harbor Seal	Undet.	SA	M	AKRO	A floating carcass of a harbor seal was found by a vessel captain. It was brought to town and necropsied. The necropsy revealed the animal had been shot in head.	DEAD	DEAD	P9	1	1	Shot	
1125	9/13/2010	2010	GOA (central)	SCAK	Harbor Seal	Undet.	U	U	Observer	A harbor seal was caught and killed in an AK GOA Pacific cod haul.	DEAD	DEAD	N/A	1	1	Caught in AK GOA Pacific cod trawl	AK GOA Pacific cod trawl
2010017	5/22/2010	2010	Haines	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A 78 foot catamaran was travelling at 24 knots. While underway a thump was heard / felt and a humpback surfaced astern. Vessel stood by for 2 surface intervals, about ten minutes, to observe the whale. This interaction is classified as L6a due to vessel size and speed and is considered a serious injury.	SI	SI	L6a	1	1	Ship strike	
2010044	6/9/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A 78 foot catamaran was travelling at 24 knots. A humpback whale surfaced and the captain threw the engines into reverse, but still hit the whale at 14 knots. The captain observed the whale for 20 minutes and no sign of injury or blood was seen. This interaction is classified as L6a due to vessel size and speed and is considered a serious injury.	SI	SI	L6a	1	1	Ship strike	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2010039	6/16/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	A	U	AKRO	A humpback whale entangled in locally set pot gear was reported by a tour operator. The whale was initially observed in the early stages of entanglement. The tour operator attempted to pass whale to another vessel and the crew of this vessel did not observe any entangled animal. NMFS responded but could not track whale down. Due to lack of information on this entanglement this interaction is classified as L10 and prorated at 0.75.	Prorate	Prorate	L10	0.75	0.75	Entangled in unspecified pot gear	
2010047.1	6/22/2010	2010	Pt. Adolphus	SEAK	Humpback Whale	Central North Pacific	A	F	AKRO	A humpback whale cow and calf were reported entangled in gear. A rescue attempt was mounted, but the animals were not relocated. This entry is the entangled cow. Due to lack of information on this entanglement this interaction is classified as L10 and prorated at 0.75.	Prorate	Prorate	L10	0.75	0.75	Entangled in unspecified gillnet	
2010047.2	6/22/2010	2010	Pt. Adolphus	SEAK	Humpback Whale	Central North Pacific	CALF	U	AKRO	A humpback cow and calf were reported entangled in gear. A rescue attempt was mounted, but animals were not relocated. This entry is the entangled calf. Due to lack of information on this entanglement this interaction is classified as L10 and prorated at 0.75.	Prorate	Prorate	L10	0.75	0.75	Entangled in unspecified gillnet	
2010061	7/6/2010	2010	Benjamin Island	SEAK	Humpback Whale	Central North Pacific	SA	U	AKRO	A juvenile humpback whale was reported entangled in multiple sets of gillnet. The animal was partially released from gear, but mesh and cork line remained around the tailstock and trailed about 50 ft. A response was attempted, but the animal was not relocated. This entanglement is possibly life threatening according to stranding database. Due to lack of information on this entanglement this interaction is classified as L10 and prorated at 0.75.	Prorate	Prorate	L10	0.75	0.75	Caught in SEAK salmon drift gillnet	AK SE salmon drift gillnet
2010066	7/8/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	SA	U	AKRO	A humpback was reported to be entangled in gear. There were two wraps of line around the whale's head with line potentially running through the mouth. A red polyball trailed alongside the animal's mouth. The whale's thrashing and breaching behavior suggests a recent entanglement. Timing, location, and description indicate the whale was entangled in crab gear. No response was mounted and the whale was not seen again. Due to lack of information on this entanglement this interaction is classified as L10 and prorated at 0.75.	Prorate	Prorate	L10	0.75	0.75	Entangled in unspecified pot gear	
2010080	7/13/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback whale was reported with line draped over its dorsal fin. A response was mounted but the whale was not found. The stranding report indicated the entanglement was possibly life threatening and due to lack of information on this entanglement this interaction is classified as L10 and prorated at 0.75.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2010108.1	7/27/2010	2010	Petersburg	SEAK	Humpback Whale	Central North Pacific	A	F	AKRO	Residents of Pt. Baker reported that cow and calf humpback whales swam twice through a gillnet and become entangled with each other. Whales thrashed, became motionless, and after a couple hours separated themselves. NMFS responders arrived and assessed the scene. The cow was observed to be free of gear and the calf was observed to be shedding what little gear remained. Originally classified under criteria L2, but changed to NSI after self-disentanglement. This entry is the cow.	SI	NSI	L2	1	0	Entangled in unspecified gillnet	
2010108.2	7/27/2010	2010	Petersburg	SEAK	Humpback Whale	Central North Pacific	CALF	U	AKRO	Residents of Pt. Baker reported that cow and calf humpback whales swam twice through a gillnet and become entangled with each other. Whales thrashed, became motionless, and after a couple hours separated themselves. NMFS responders arrived and assessed the scene. The cow was observed to be free of gear and the calf was observed to be shedding what little gear remained. Originally classified under criteria L2, but changed to NSI after self-disentanglement. This entry is the calf.	SI	NSI	L2	1	0	Entangled in unspecified gillnet	
2010089	7/28/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	A	F	AKRO	A humpback whale was found wedged onto a ship's bulbous bow. According to the necropsy report this whale was believed to have its right fore flipper severed in a previous ship strike, died, was fed on by orcas, and then was struck and wedged onto the bow of a cruise ship.	DEAD	DEAD	L5a	1	1	Ship strike	
2010219	8/14/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	SA	U	AKRO	A subadult humpback whale was observed with multiple wraps of line and a red and white sponges buoy alongside its body. No response was mounted, and the entanglement was reported to be possibly life-threatening. Due to lack of information on this entanglement this interaction is classified as L10 and prorated at 0.75.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	
2010200	8/16/2010	2010	Tracy Arm	SEAK	Humpback Whale	Central North Pacific	SA	U	AKRO	A subadult humpback whale was reported to be entangled in a gillnet at Tracy Arm. The net was strung across the animal's back like a sash, stretching underneath the left pectoral flipper and over to the animal's right side with float line visible. The animal did not appear to be in distress and exhibited normal behavior. No response mounted. Due to lack of information on this entanglement this interaction is classified as L10 and prorated at 0.75.	Prorate	Prorate	L10	0.75	0.75	Entangled in unspecified gillnet	
2010147	8/18/2010	2010	Tenakee	SEAK	Humpback Whale	Central North Pacific	SA	M	AKRO	A humpback whale carcass was observed offshore and reported by Tenakee locals. NMFS towed the whale to shore and a team conducted the necropsy. It was determined the whale was most likely killed due to respiratory injuries caused by a ship strike.	DEAD	DEAD	N/A	1	1	Ship strike	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2010172	8/31/2010	2010	Hoonah	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A 79 ft vessel travelling at ten knots hit a humpback whale. No blood was observed in the water and the whale's behavior appeared normal during the next 20 minutes. Due to size and speed of the vessel this interaction is classified under L6c, and considered a non-serious injury.	NSI	NSI	L6c	0	0	Ship strike	
2010220	9/1/2010	2010	Chatham Strait	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback whale was observed entangled in unidentified gear / marine debris. The reporting party provided very few details. Due to lack of information on this entanglement this interaction is classified as L10 and prorated at 0.75.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	
2010212	9/2/2010	2010	Tenakee	SEAK	Humpback Whale	Central North Pacific	CALF	U	AKRO	A humpback whale calf was observed entangled and a two day response effort was launched. The whale was successfully disentangled, though it did have some lacerations associated with severe wrapping, including one abrasion into the muscle on the upper caudal peduncle. Originally this interaction was considered L2 but is considered a non-serious injury following disentanglement.	SI	NSI	L2	1	0	Caught in SE AK commercial dungeness crab pot gear	SEAK commercial dungeness crab pot fishery (inshore)
2010190	9/6/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	A	U	AKRO	On 9/6/2010 a humpback whale was spotted with crab line wrapped around its rostrum. The whale was trailing line and a buoy. On 9/9/2010 the entangled animal was seen near North Island. While a response team was enroute to the whale the whale reportedly shed the gear it was entangled in. This interaction was originally classified as L10 and prorated at 0.75 due to an unknown gear configuration, but this was changed to a non-serious injury following observed self-disentanglement.	Prorate	NSI	L10	0.75	0	Entangled in crab pot gear	
2010191	9/6/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback whale became entangled in crab pot gear. The entanglement was reported originally via hotline, but subsequent sightings by the reporting party indicate the whale shed the gear. Originally classified as L10 and prorated at 0.75 due to unknown gear configuration, this was changed to a non-serious injury following the observed self-disentanglement.	Prorate	NSI	L10	0.75	0	Entangled in crab pot gear	
2010201	9/9/2010	2010	Sitka	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback whale became entangled in an active gillnet and the fisherman coordinated with another vessel to free the whale. Although the whale damaged the net, no gear was missing and the whale was entirely free of gear. Originally this entanglement was classified as L10 and prorated at 0.75 due to the unknown gear configuration but this was changed to a non-serious injury following observed self-disentanglement.	Prorate	NSI	L10	0.75	0	Entangled in unspecified gillnet	
2010040	6/18/2010	2010	Whittier	SCAK	Humpback Whale	Western North Pacific / Central North Pacific	U	U	AKRO	A humpback whale was observed trailing four buoys with a line thought to be wrapped around the whale's tail stock. The whale was later seen with no buoys present. Originally classified as L3 and changed later changed to a non-serious injury following self-release.	NSI	NSI	L3	0	0	Entangled in unidentified marine debris / gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
1120	7/19/2010	2010	Eastern Bering Sea	WAK	Humpback Whale	Western North Pacific / Central North Pacific	U	U	Observer	A humpback whale was caught and killed in a haul. The whale was observed to be bleeding from its wounds. The whale had to be cut away from the net and floated away. Photos and tissue samples were taken.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1121	11/2/2010	2010	Eastern Bering Sea	WAK	Humpback Whale	Western North Pacific / Central North Pacific	U	U	Observer	A humpback whale was caught in a net and disentangled on deck. The observer reported the whale appeared to be dead. The carcass was noted to be in excellent condition and blood flowed from the area where specimens were taken.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1127	7/31/2010	2010	Eastern Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	U	U	Observer	A killer whale was killed by a propeller during AK BSAI rockfish trawl.	DEAD	DEAD	N/A	1	1	Ship strike	AK BSAI rockfish trawl
1104	7/30/2010	2010	Central Bering Sea	WAK	Northern Fur Seal	Eastern Pacific	U	U	Observer	A dead northern fur seal was observed to be entangled in a longline. The animal was stiff, but not decomposed. The roller man could not retrieve it.	DEAD	DEAD	N/A	1	1	Caught on AK BSAI Pacific cod longline	AK BSAI Pacific cod longline
1103	8/4/2010	2010	Eastern Bering Sea	WAK	Northern Fur Seal	Eastern Pacific	U	U	Observer	A northern fur seal was caught and killed in a haul. The animal was frothing at the mouth. Photos were taken and the snout was removed as a sample and frozen by observer.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1102	8/10/2010	2010	Central Bering Sea	WAK	Northern Fur Seal	Eastern Pacific	U	U	Observer	A northern fur seal was caught and killed in a haul. The animal was fresh dead. When the head was removed by the observer blood flowed freely. The head was collected and frozen by the observer.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
2010026	4/14/2010	2010	Beaufort Sea	Arctic	Ringed Seal	Alaska	PUP	U	AKRO	Two people observed a ringed seal pup with a bleeding flipper that appeared lost. They transported the pup back to its breathing hole by following the blood trail.	NSI	NSI	N/A	N/A	N/A	Handled by human	
2010134	8/1/2010	2010	Nome	WAK	Ringed Seal	Alaska	SA	U	AKRO	A ringed seal was caught in subsistence salmon net, disentangled, deemed releasable, and released by Alaska Department of Fish and Game personnel. This interaction is originally classified as a serious injury under criteria P7b but was changed to a non-serious injury following release.	SI	NSI	P7b	1	0	Entangled in subsistence salmon gillnet	
1124	3/20/2010	2010	Central Bering Sea	WAK	Spotted Seal (Larga)	Alaska	U	U	Observer	A spotted seal was caught in a haul. The animal was found cut in half, with blood still running. Photos and samples were taken. According to the observer the animal may have been sliced in half by the fishing vessel or gear. ID confirmed by J. Thomason.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
AER00063	5/3/2010	2010	Gran Pt	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2010014	5/11/2010	2010	Funter Bay	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A large mass of ghost driftnet observed and the Alaska Dept. of Fish and Game towed the wad of net to shore. Enclosed was a bloated and	DEAD	DEAD	P7a	1	1	Entangled in foreign high seas gillnet	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
										decomposed SSL. No necropsy performed.							
AER00070	5/26/2010	2010	Forrester - Lowrie Is: Walts View	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2010023	5/27/2010	2010	Ketchikan	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL branded =514 was reported to be entangled. Photos revealed monofilament line wrapped around the animal's neck. The SSL was not relocated.	SI	SI	P8a	1	1	circumferential neck entanglement - monofilament	
A00514	5/27/2010	2010	Grindall Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF00066	5/31/2010	2010	Forrester - Lowrie Is: Sunset Point	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and was trailing a flasher from the left side of its mouth. The flasher was white with a green or blue rim. The reporting party stated the SSL looked sick.	SI	SI	P2	1	1	Swallowed troll gear	
AER00071	6/3/2010	2010	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00075	6/6/2010	2010	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
AER00079.1	6/7/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL with a scar presumed to be from a circumferential neck entanglement was observed. The wound appeared to be healing. Animal had a dependent pup. A circumferential neck entanglement is considered a SI, however, because the wound was healing the final outcome of this interaction is a NSI.	SI	NSI	P8a	1	0	circumferential neck entanglement - unknown material / marine debris	
AER00079.2	6/7/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	PUP	U	ADFG	A dependent SSL pup was observed with a mother that had a scar presumed to be from a circumferential neck entanglement. The wound on the pup's mother appeared to be healing. A dependent animal with a seriously injured mother is normally classified as a SI, but the final outcome in this interaction is a NSI.	SI	NSI	P14	1	0	Dependent animal with SI mother	
AEF00065	6/8/2010	2010	Inian Islands	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL swallowed troll fishery gear and was observed trailing a flasher. The flasher was silver with a blue stripe on one side and 'XX' pattern on the opposite side.	SI	SI	P2	1	1	Swallowed troll gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AER_SM_75	6/8/2010	2010	Forrester - Cape Horn Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement that was caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_JU_73	6/10/2010	2010	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL was observed with a deep circumferential neck entanglement, caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_UU_77	6/14/2010	2010	Forrester - Lowrie Is: Shore 11 Peregrine Rocks	SEAK	Steller Sea Lion	Eastern US	PUP	U	ADFG	A SSL pup was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00069	6/14/2010	2010	Forrester - Lowrie Is: Walts View	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00072	6/16/2010	2010	Forrester - East Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00073	6/17/2010	2010	Forrester - Lowrie Is: Walts View	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
AEF_JU_49	6/27/2010	2010	Southwest Brothers Is	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL with a fungal patch on its neck swallowed troll fishery gear and a flasher was observed trailing from the left side of its mouth. The flasher was orange and blood was observed on flasher.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_50	6/27/2010	2010	Southwest Brothers Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL with fungal patch on its left side swallowed troll fishery gear and a flasher was observed trailing from the left side of its mouth. The flasher was silver with a green rim. The SSL appeared to be in poor health.	SI	SI	P2	1	1	Swallowed troll gear	
AER00074	6/27/2010	2010	Sail Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AER00081	6/27/2010	2010	Southwest Brothers Is	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL was observed with a circumferential neck entanglement that was caused by a rubber band.	SI	SI	P8a	1	1	circumferential neck entanglement - rubber band	
AEF_JU_46	6/30/2010	2010	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL that swallowed troll fishery gear was observed with the flasher trailing from the animal.	SI	SI	P2	1	1	Swallowed troll gear	
AER00083.1	6/30/2010	2010	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL with a pup was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00083.2	6/30/2010	2010	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	PUP	U	ADFG	A dependent SSL pup was observed with a mother that had a circumferential neck entanglement caused by unknown material / marine debris. A dependent animal with a seriously injured mother is considered a serious injury under P14.	SI	SI	P14	1	1	Dependent animal with SI mother	
AEF_AF_58	7/1/2010	2010	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and was observed trailing a flasher and hoochie. The flasher was silver with a green rim and the hoochie is green.	SI	SI	P2	1	1	Swallowed troll gear	
AER00076	7/1/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL was observed with a deep circumferential neck entanglement that was possibly caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00077	7/1/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement that was caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2010058	7/2/2010	2010	Stephens Passage	SEAK	Steller Sea Lion	Eastern US	A	F	AKRO	An adult female SSL was observed alive on 7/2/2010 on Sail Island with neck entanglement that caused a severe wound. The animal appeared thin. The SSL was observed again in same location on 7/26/2010. On this date the animal wasn't moving but it may have been sleeping. The wound and body condition seemed similar to earlier sighting.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF00054	7/2/2010	2010	Biali Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and a flasher was observed tight to left side of the animal's mouth. The flasher had a dark blue rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00055	7/2/2010	2010	Biali Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and a flasher was observed trailing from the animal. The flasher was silver with green and had a white 'XX' pattern.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00056	7/2/2010	2010	Biali Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and a flasher was observed trailing from the animal. The flasher was silver and white and of a small size.	SI	SI	P2	1	1	Swallowed troll gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AEF00057	7/2/2010	2010	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL with fungal patch on its back swallowed troll fishery gear and a flasher was observed trailing from the left side of its mouth. The flasher was silver with an orange rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00058	7/2/2010	2010	Jacob Rk	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and a flasher was observed trailing from the left side of the animal's mouth. Flasher was silver with a blue rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00064	7/2/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and a flasher was observed trailing from the left side of the animal's mouth. The flasher was silver with a neon green vertical stripe.	SI	SI	P2	1	1	Swallowed troll gear	
AER_AF_72	7/2/2010	2010	Biali Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement that was possibly caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00078	7/2/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement that was caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
AER00080	7/2/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
AEF_AF_51	7/3/2010	2010	Biali Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and a flasher was observed tight to the animal's mouth. The flasher was red and the line observed was monofilament.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_59	7/3/2010	2010	Forrester - Lowrie Is: El Cap Shore	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and was observed trailing a flasher. There was a hoochie hooked into the animal's left lip. The flasher was silver with a red rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00067	7/3/2010	2010	Forrester - Lowrie Is: Walts View	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and was observed trailing a flasher from the right side of its mouth. The flasher was silver with orange rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_AM_47	7/4/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult female SSL swallowed troll fishery gear and a flasher was observed trailing from the left side of its mouth. The flasher was silver with a neon green vertical stripe on one side and was solid green on the opposite side.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_48	7/4/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and a flasher was observed trailing from the left side of its mouth. The flasher was silver with a neon green vertical stripe on one side and was solid green on the opposite side.	SI	SI	P2	1	1	Swallowed troll gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AEF00068.1	7/4/2010	2010	Forrester - Lowrie Is: Boyd 5	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL with a dependent pup swallowed troll fishery gear and was observed trailing a flasher. The flasher was silver with an orange edge and the flasher was trailing line.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00068.2	7/4/2010	2010	Forrester - Lowrie Is: Boyd 5	SEAK	Steller Sea Lion	Eastern US	PUP	U	ADFG	This is a dependent pup with a seriously injured mother. This pup's mother swallowed troll fishery gear and was observed trailing a flasher. A dependent animal with a seriously injured mother is considered a serious injury under P14.	SI	SI	P14	1	1	Dependent animal with SI mother	
AEF00069	7/4/2010	2010	Forrester - Lowrie Is: El Cap Shore	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and was observed trailing a flasher. The flasher was silver and had an orange edge. The flasher was not trailing any line.	SI	SI	P2	1	1	Swallowed troll gear	
AER_NU_74	7/4/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	PUP	U	ADFG	A SSL pup was observed with a deep circumferential neck entanglement that was caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF_AF_60	7/5/2010	2010	Forrester - Lowrie Is: Shore 11 Peregrine Rocks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and was observed trailing a flasher.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00059.1	7/5/2010	2010	Sea Lion Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL with a dependent pup swallowed troll fishery gear and a flasher was observed tight to the animal's mouth. The flasher was silver with a blue edge.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00059.2	7/5/2010	2010	Sea Lion Is	SEAK	Steller Sea Lion	Eastern US	PUP	U	ADFG	This is a dependent SSL pup with a seriously injured mother. The pup's mother swallowed troll fishery gear and a flasher was observed tight to the animal's mouth.	SI	SI	P14	1	1	Dependent animal with SI mother	
AEF_AF_61	7/6/2010	2010	Forrester - Lowrie Is: Boyd 5	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and was observed trailing a flasher from the left side of its mouth. The flasher was silver with an orange rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_AM_52	7/6/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult male SSL swallowed troll fishery gear and a flasher was observed trailing from the right side of its mouth. The flasher was silver with a blue vertical stripe.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00060	7/6/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA/A D	M	ADFG	A male SSL swallowed troll fishery gear and a flasher was observed tight to its mouth. Flasher was silver with orange rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00061	7/7/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A juvenile SSL swallowed troll fishery gear and was observed trailing a flasher from the left side of its mouth. Flasher was silver with green rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_53	7/8/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and was observed with a flasher trailing. Flasher was silver and orange with line trailing from flasher.	SI	SI	P2	1	1	Swallowed troll gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AEF_SM_54	7/9/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and a flasher was observed trailing from the animal. Flasher was silver with orange with line trailing from flasher.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00062	7/9/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL swallowed troll fishery gear and was observed trailing a flasher from the left side of its mouth. Flasher had an orange rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00063	7/9/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll gear and was observed trailing a flasher from the left side of its mouth. Flasher was silver and white.	SI	SI	P2	1	1	Swallowed troll gear	
2010075	7/11/2010	2010	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	SA	F	AKRO	A dead SSL was reported with a red rope wrapped around the animal. National Park Service rangers responded and found kelp draped over animal along with a suspected bullet hole. A necropsy was conducted. The cause of death was found to be a suspected bullet wound in neck and hemothorax.	DEAD	DEAD	N/A	1	1	Shot	
2010088	7/11/2010	2010	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL was observed in south Glacier Bay with a big silver flasher hanging along its throat.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_JU_55	7/11/2010	2010	Southwest Brothers Is	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL swallowed troll fishery gear and was observed trailing flasher from its left side. Flasher was silver with an orange rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_56	7/11/2010	2010	Southwest Brothers Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and was trailing a flasher from the left side of its mouth. The flasher was silver with a green rim. The animal looked to be in poor health.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_JU_57	7/12/2010	2010	Yasha Is	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL swallowed trolling gear and was observed trailing a flasher from the left side of its mouth. Flasher was silver with an orange rim.	SI	SI	P2	1	1	Swallowed troll gear	
2010057	7/13/2010	2010	Rocky Island	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL was observed 7/13/2010, 7/15/2010 and 7/16/2010 on Rocky Island with two flashers hanging from its mouth. The reporting party took pictures.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_62	7/20/2010	2010	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed trolling gear and was observed with a flasher trailing from the left side of its mouth. Flasher was silver and orange.	SI	SI	P2	1	1	Swallowed troll gear	
2010090	7/29/2010	2010	Tenakee	SEAK	Steller Sea Lion	Eastern US	SA	M	AKRO	A SSL was found dead on a beach with an orange flasher tight to the corner of its mouth. A necropsy revealed that cause of death was sepsis and hemorrhage secondary to fish hook induced esophageal perforation.	DEAD	DEAD	P2	1	1	Swallowed troll gear	
2010115	8/3/2010	2010	Juneau	SEAK	Steller Sea Lion	Eastern US	SA	M	AKRO	A SSL was observed alive, thin, and lethargic on 8/3/2010 and 8/4/2010. The same animal was found dead on 8/6/2010. A necropsy revealed two bullet wounds on either side of shoulder blades. The animal's death was most likely caused by starvation due to an inability to forage.	SI	DEAD	P9	1	1	Shot	
2010186	8/14/2010	2010	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL was observed with a flasher hanging from its mouth at South Marble Island.	SI	SI	P2	1	1	Swallowed troll gear	
2010161	8/15/2010	2010	Juneau	SEAK	Steller Sea Lion	Eastern US	A	M	AKRO	A recreational boater reported that an adult male SSL was observed with a purple flasher hanging from its mouth. The SSL was described as thin.	SI	SI	P2	1	1	Swallowed troll gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AER_SM_76	9/7/2010	2010	Little Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2010176	9/9/2010	2010	Juneau	SEAK	Steller Sea Lion	Eastern US	SA	U	AKRO	A subadult SSL was observed from 9/9/2010 - 9/15/2010 at Little Island. Young adult SSL with red and silver flasher in mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_65	9/14/2010	2010	Little Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and a flasher was observed trailing from the right side of its mouth. The flasher was bright orange.	SI	SI	P2	1	1	Swallowed troll gear	
2010189	9/17/2010	2010	Juneau	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL was reported as entangled in a flasher. One observer reported the SSL to be thin and drooling blood & mucous. The flasher was gold and silver.	SI	SI	P2	1	1	Swallowed troll gear	
2010204	10/11/2010	2010	Yakutat	SEAK	Steller Sea Lion	Eastern US	A	M	AKRO	An adult male SSL was found in advanced decomposition. The flasher was protruding from the animal's mouth and trolling gear was embedded in the animal's mouth.	DEAD	DEAD	P2	1	1	Swallowed troll gear	
AER_UU_78	11/3/2010	2010	Benjamin Is	SEAK	Steller Sea Lion	Eastern US	U	U	ADFG	A SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
1106	2/22/2010	2010	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was found killed by AK BSAI flatfish trawl gear and entangled in the halibut excluder. Foam was observed coming from the animal's snout. No other information is available, the animal discarded before additional data could be collected.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1107	2/23/2010	2010	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed in a haul. The snout was collected and photos were taken by the observer. It was apparent the SSL had briefly been dead and was beginning to set into rigor.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1111	2/28/2010	2010	GOA (central)	SCAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was hooked on longline gear. The line broke as it was hauled in. The animal appeared dead.	DEAD	DEAD	N/A	1	1	Caught on AK GOA Pacific cod longline	AK GOA Pacific cod longline fishery
1109	3/3/2010	2010	Central Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed in a haul. No visible signs of trauma were observed, aside for frothing at the mouth. Species identification was determined by J Thomason.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1108	3/6/2010	2010	Central Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed in a haul. The animal's head was removed and frozen as a sample by the observer.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1110	3/19/2010	2010	BSAI (central)	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed in a haul. The snout was removed by the observer for a sample and photos were taken.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pacific cod trawl	AK BSAI Pacific cod trawl

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
1113	4/6/2010	2010	Central Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed in a haul. Photos were taken and the head was removed by the observer.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1114	4/20/2010	2010	Central Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed in a haul. Observer reported foam coming from the animal's mouth. The snout was collected as a sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1112	5/29/2010	2010	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was observed lodged in a live tank, dead. Skin and head samples were collected by the observer and the carcass thrown overboard. The animal was killed by the vessel during fishing activity.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1115	6/21/2010	2010	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed in AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
AER00084	7/8/2010	2010	Glacier Is	PWS	Steller Sea Lion	Western US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_SM_9	7/9/2010	2010	Glacier Is	PWS	Steller Sea Lion	Western US	SA	M	ADFG	A subadult male SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00093	7/9/2010	2010	Seal Rks, PWS	PWS	Steller Sea Lion	Western US	A	F	ADFG	An adult female SSL was observed with a scar presumed to be from a circumferential neck entanglement.	SI	NSI	P8a	1	0	circumferential neck entanglement - unknown material / marine debris	
AER_SM_10	7/16/2010	2010	Glacier Is	PWS	Steller Sea Lion	Western US	SA	M	ADFG	A subadult male SSL was observed with a circumferential neck entanglement possibly caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
1116	8/12/2010	2010	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was killed in haul 96. Photos were taken and snout was removed and frozen by observer. Proper species identification was confirmed by J Thomason.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1117	9/2/2010	2010	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was found dead in the cod end of a trawl net. Animal was foaming at mouth. Observer removed the snout for a sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1118	9/6/2010	2010	BSAI (western)	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was killed in Atka mackerel trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Atka mackerel trawl	AK BSAI Atka mackerel trawl
AER_JU_11	10/19/2010	2010	Glacier Is	PWS	Steller Sea Lion	Western US	SA	M	ADFG	A subadult male SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2010082	6/10/2010	2010	Kayak Island	SCAK	Steller Sea Lion	Western US / Eastern US	SA	M	AKRO	A SSL was observed with plastic band around neck that had created a large laceration on the ventral surface.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2010085	6/10/2010	2010	Kayak Island	SCAK	Steller Sea Lion	Western US / Eastern US	SA	M	AKRO	A SSL was observed with a string leader attached to a gangion hanging out of its mouth. The hook appeared to be inside the animal's mouth or throat.	SI	SI	P2	1	1	Swallowed unspecified longline fishery gear	
1126	4/13/2010	2010	BSAI (central)	WAK	Unident. Pinniped	N/A	U	U	Observer	An unidentified pinniped was hooked by longline gear and drowned.	DEAD	DEAD	N/A	1	1	Caught on AK BSAI Pacific cod longline	AK BSAI Pacific cod longline
2010145	8/1/2010	2010	Ketchikan	SEAK	Unident. Whale	N/A	U	U	AKRO	A large unknown whale was reported entangled in gillnet. A response was mounted within two hours but the whale was not relocated.	Prorate	Prorate	L10	0.75	0.75	Entangled in unspecified salmon gillnet	
1464	8/26/2011	2011	Eastern Bering Sea	WAK	Bearded Seal	Alaska	U	U	Observer	A bearded seal was caught and killed in haul 683. The observer took photos and samples.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
2011190	6/10/2011	2011	Hooper Bay	WAK	Beluga Whale	Eastern Bering	U	U	AKRO	A beluga was caught in a king salmon subsistence fishing net; the fisher released animal alive and it swam away. Final outcome considered NSI due to release of animal alive.	SI	NSI	S7b	1	0	Entangled in king salmon subsistence net	
2011009	3/16/2011	2011	Skagway	SEAK	Harbor Seal	Undet.	A	F	AKRO	A harbor seal was found killed by gunshot; the bullet was recovered from the animals head.	DEAD	DEAD	P9	1	1	Shot	
2011140	7/20/2011	2011	Prince William Sound	SCAK	Harbor Seal	Undet.	U	U	AKRO	A dead harbor seal was observed entangled in the net of a sunken fishing vessel in 180 ft. of water by a remotely operated vehicle.	DEAD	DEAD	P7a	1	1	Caught in PWS salmon seine	PWS salmon seine
2011133	8/17/2011	2011	Homer	SCAK	Harbor Seal	Undet.	U	U	AKRO	A harbor seal died while entangled in an unspecified set net.	DEAD	DEAD	P7a	1	1	Entangled in unspecified set net	
2011146	9/11/2011	2011	Ketchikan	SEAK	Harbor Seal	Undet.	A	U	AKRO	A harbor seal was observed entangled with and towing a buoy. The seal was observed multiple times. The animal was able to swim and dive, but appeared weak when sighted one year later.	SI	SI	P6	1	1	Entangled in unidentified marine debris / gear	
1495	9/24/2011	2011	Eastern Bering Sea	WAK	Harbor Seal	Undet.	U	U	Observer	A harbor seal was caught and killed by trawl gear. The observer took photos and collected the head for a sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
2011176	10/2/2011	2011	Kodiak	Kodiak	Harbor Seal	Undet.	A	M	AKRO	A harbor seal was found dead with gunshot wound to the head.	DEAD	DEAD	P9	1	1	Shot	
1496	11/1/2011	2011	GOA (western)	SCAK	Harbor Seal	Undet.	U	U	Observer	A harbor seal was caught and killed in a haul.	DEAD	DEAD	N/A	1	1	Caught in AK GOA flatfish trawl	AK GOA flatfish trawl
2011015	5/11/2011	2011	Juneau	SEAK	Humpback Whale	Central North Pacific	SA	U	AKRO	A humpback whale was entangled and observed towing crab pot gear. There was line wrapped through mouth and trailing at least 125 ft behind animal and a large yellow buoy and smaller orange buoy trailing. A disentanglement team cut ~75 ft from two trailing lines, leaving ~50 feet of three lines trailing behind animal. Final determination prorated using criteria L10 due to lack of additional configuration details.	SI	Prorate	L10	1	0.75	Entangled in unspecified SEAK golden (brown) crab pot gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2011019	5/18/2011	2011	Gambier	SEAK	Humpback Whale	Central North Pacific	CALF	U	AKRO	A humpback whale calf was observed entangled with a white football-shaped float trailing 15 feet behind the calf. A cow appeared to be pushing the calf up to breathe. Final determination prorated using criteria L10 due to lack of additional configuration details.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	
2011023	5/26/2011	2011	Wrangell	SEAK	Humpback Whale	Central North Pacific	SA	U	AKRO	A humpback whale calf was entangled in actively fishing gillnet. The whale became severely wrapped in the mesh, cork, and lead line but fishermen cut whale completely free of gear.	Prorate	NSI	L10	0.75	0	Caught in SEAK salmon drift gillnet	AK SE salmon drift gillnet
2011028.1	5/29/2011	2011	Ketchikan	SEAK	Humpback Whale	Central North Pacific	SA	U	AKRO	Two humpback whales were observed entangled together in 5/8 inch line with a yellow buoy attached. The whales' bodies were entirely wrapped in line. The line became entangled in a propeller of a vessel and the whale began dragging the vessel before the operator cut the line from the propeller. This appeared to separate the animals from mutual entanglement. It was unclear whether either animal was fully disentangled, therefore, the final outcome is prorated under L10. This is whale one of two.	SI	Prorate	L10	1	0.75	Entangled in unidentified marine debris / gear	
2011028.2	5/29/2011	2011	Ketchikan	SEAK	Humpback Whale	Central North Pacific	SA	U	AKRO	Two humpback whales were observed entangled together in 5/8 inch line with a yellow buoy attached. The whales' bodies were entirely wrapped in line. The line became entangled in a propeller of a vessel and the whale began dragging the vessel before the operator cut the line from the propeller. This appeared to separate the animals from mutual entanglement. It was unclear whether either animal was fully disentangled, therefore, the final outcome is prorated under L10. This is whale two of two.	SI	Prorate	L10	1	0.75	Entangled in unidentified marine debris / gear	
2011042	6/21/2011	2011	Pt Baker	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback whale became entangled in an actively fishing vessel-based gillnet. While entangled the whale continued to surface regularly. After being entangled for 1.5 hours the whale was partially disentangled by fisher and self-released gear. The whale swam away with a layer of webbing around its rostrum and a loop of lead line draping back towards the fluke. No gear was observed to be tight or cinching into the whale's body. The whale swam away fast and diving normally.	Prorate	NSI	L3	0.75	0	Caught in SEAK salmon drift gillnet	AK SE salmon drift gillnet
2011050	6/28/2011	2011	Chatham Strait	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A 50 foot motor vessel travelling at seven to eight knots hit a humpback whale. A pink spot was observed on dorsum of tail believed to be wound from where the bow of the vessel came into contact with the whale. The whale was then observed breathing and diving normally. This interaction is considered a NSI under criteria L6c.	NSI	NSI	L6c	0	0	Ship strike	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2011074	7/6/2011	2011	Hoonah	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback struck a 34 foot sailing vessel that was idling near feeding whales. The whale surfaced under the vessel, lifted it four feet out of the water. The keel was ripped off and the vessel sunk. The whale initially appeared stunned and then what was thought to be the same whale was observed breaching. This interaction is considered a NSI under criteria L6c.	NSI	NSI	L6c	0	0	Ship strike	
2011079	7/17/2011	2011	Ketchikan	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback whale swam into active gillnet and the whale began pulling the fishing vessel towards shore. The fisher pulled in as much net as possible before cutting it. At the time of release webbing was observed over the whale's rostrum. The fisher observed the whale again the next morning and the whale was still entangled.	SI	Prorate	L10	1	0.75	Caught in SEAK salmon drift gillnet	AK SE salmon drift gillnet
2011115	8/8/2011	2011	Craig	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback whale was observed entangled with six wraps of line around its peduncle and a single taut line extending from head to tailstock. The whale exhibited labored breathing and wheezing. A team disentangled the line entirely from the whale's tail, although the team was uncertain if line remained forward. The whale swam away in apparently good condition.	SI	Prorate	L10	1	0.75	Entangled in unspecified longline gear	
2011107	8/17/2011	2011	Juneau	SEAK	Humpback Whale	Central North Pacific	CALF	U	AKRO	A humpback whale was observed entangled with a single wrap of line around the tip of the rostrum, a single twist near the right pectoral flipper, and a pot line trailed deeper into water. A buoy line trailed along the right side of the animal. The animal was partially disentangled and the gear that remained is believed to have been shed by the animal. Animal appeared to be in good condition.	SI	NSI	L3	1	0	Entangled in crab pot gear	
2011125	8/19/2011	2011	Juneau	SEAK	Humpback Whale	Central North Pacific	A	U	AKRO	A humpback whale was entangled with a large, oblong and bright-orange buoy. The buoy was observed on the whale's left side and no trailing lines were noted. The whale was noted to be travelling at a fast speed.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	
2011158	8/31/2011	2011	Glacier Bay	SEAK	Humpback Whale	Central North Pacific	SA	U	AKRO	A small humpback whale was struck by a 79 foot catamaran traveling 13-14 knots. Following the ship strike there was an obvious abrasion on the left flank below dorsal fin. No other open wounds or blood was observed. Afterwards the whale appeared stressed as it was observed for the next hour.	SI	SI	L6a	1	1	Ship strike	
2011160	9/7/2011	2011	Juneau	SEAK	Humpback Whale	Central North Pacific	CALF	U	AKRO	A humpback whale calf was struck by the underside of an 80 foot fiberglass catamaran that was travelling at approximately 23 knots. The calf surfaced with a cow and remained breathing on the surface for approximately three minutes. A small gash was observed near the calf's blowhole.	SI	SI	L6a	1	1	Ship strike	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2011183	10/29/2011	2011	Tenakee	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback whale was observed entangled in single-set shrimp pot gear. There was a yellow Spongex buoy along the animal's left flank, a small-gauge sinking buoy line draped over the left flipper, and 40 feet of line trailing. The animal was completely disentangled by disentanglement team.	SI	NSI	L2	1	0	Entangled in shrimp pot gear	
2011117	8/8/2011	2011	Kodiak	Kodiak	Humpback Whale	Western North Pacific / Central North Pacific	U	U	AKRO	A humpback whale was struck by the hull of 36 foot vessel traveling at eight knots. No injury to the whale was apparent.	NSI	NSI	L6c	0	0	Ship strike	
2011184	9/1/2011	2011	Sand Point	WAK	Humpback Whale	Western North Pacific / Central North Pacific	A	U	AKRO	A humpback whale was observed entangled in line. There was line wrapped around the whale's body near the pectoral flippers, including a line going straight down into deeper water. The animal was anchored by gear. The line was dark and bio-fouled with growth. The whale was seen in the same location a month later and was exhibiting wheezed blows. The reporting party towed the animal to shallower water. No disentanglement response was mounted.	SI	SI	L2	1	1	Entangled in unidentified marine debris / gear	
2011149	9/12/2011	2011	Shumagin Islands	WAK	Humpback Whale	Western North Pacific / Central North Pacific	U	U	AKRO	A humpback whale had one of its pectoral flippers entangled in a set net anchor line. The animal appeared agitated and distressed. There are no further specific details on entanglement or injury.	Prorate	Prorate	L10	0.75	0.75	Entangled in unspecified set net	
2011185.1	10/4/2011	2011	Kodiak	Kodiak	Humpback Whale	Western North Pacific / Central North Pacific	A	F	AKRO	An adult female humpback whale, with an accompanying calf, was observed with large gauge yellow polyline draped over its back. Entanglement also involved flipper(s) and/or mouth. No gear was seen trailing. The animal appeared to be in good condition. This is the entangled cow.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	
2011185.2	10/4/2011	2011	Kodiak	Kodiak	Humpback Whale	Western North Pacific / Central North Pacific	CALF	U	AKRO	An adult female humpback whale, with an accompanying calf, was observed with large gauge yellow polyline draped over its back. Entanglement also involved flipper(s) and/or mouth. No gear was seen trailing. The animal appeared to be in good condition. This is the calf of the entangled whale. Although not entangled, this calf is being prorated at L10 due to its dependency on its entangled mother receiving an L10 rating.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	
2011177	10/8/2011	2011	Bering Sea	WAK	Humpback Whale	Western North Pacific / Central North Pacific	U	U	AKRO	A humpback whale was observed entangled in pot gear. There is no thorough description or photos of the entanglement.	Prorate	Prorate	L10	0.75	0.75	Entangled in unspecified pot gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2011277	7/3/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A subadult male northern fur seal was observed with a line wrapped around its neck.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011278	7/9/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A northern fur seal with a packing band entanglement was observed. The wound was deep and the packing band cut through the blubber layer and into muscle. The animal was disentangled.	SI	NSI	P7b	1	0	circumferential neck entanglement - packing band	
2011280	7/9/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A northern fur seal was observed with a rubber band entanglement high up on its head. The rubber band was not around the animal's neck and the reporting party thought there was a high potential for self-release.	NSI	NSI	P8b	0	0	Rubber band around head	
2011279	7/13/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A northern fur seal was observed with a packing band entanglement. The animal was disentangled.	SI	NSI	P7b	1	0	circumferential neck entanglement - packing band	
2011281	7/14/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	A	M	AKRO	A northern fur seal was observed entangled in fishing line. The line was wrapped around the animal's neck multiple times creating a 360 degree wound.	SI	SI	P8a	1	1	circumferential neck entanglement - monofilament	
2011283	8/1/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A subadult male northern fur seal with a constricting circumferential neck entanglement caused by a packing band was observed.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
2011284	8/6/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	A	F	AKRO	An adult female northern fur seal was observed with a circumferential neck entanglement caused by a large rubber band. According to the reporting party the entanglement did not appear to be constricting and was unlikely to cause much drag.	SI	SI	P8a	1	1	circumferential neck entanglement - rubber band	
2011268	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	A	F	AKRO	An adult female northern fur seal with circumferential neck entanglement was observed.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011269	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A subadult male northern fur seal with a circumferential neck entanglement was observed. There was a 360 degree open wound around the animal's neck.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011270	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A subadult male northern fur seal with a circumferential neck entanglement was observed. The animal was entangled in what appeared to be crab pot door rubber.	SI	SI	P8a	1	1	circumferential neck entanglement - crab pot gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2011271	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	A	F	AKRO	An adult female northern fur seal with a circumferential neck entanglement was observed.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011272	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	A	M	AKRO	An adult male northern fur seal with a circumferential neck entanglement was observed. There was a 360 degree wound around the animal's neck.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011273	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	A	F	AKRO	An adult female northern fur seal with a circumferential neck entanglement in trawl netting was observed. There were wraps around the animal's upper thorax along with trailing line that had the potential to snag and create drag.	SI	SI	P6	1	1	circumferential neck entanglement - trawl gear	
2011274	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	A	M	AKRO	An adult male northern fur seal with a circumferential neck entanglement was observed.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011275	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A subadult male northern fur seal with a circumferential neck entanglement was observed.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011285	8/10/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A subadult male northern fur seal with a circumferential neck entanglement caused by a packing band was observed.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
2011282	8/28/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SA	F	AKRO	A subadult female northern fur seal was observed entangled in gray twisted-strand trawl net. The net was wrapped around the animal's neck and head multiple times. The animal had a 360 degree open wound.	SI	SI	P8a	1	1	circumferential neck entanglement - trawl gear	
2011286	9/29/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	A	M	AKRO	An adult male northern fur seal was observed entangled in braided trawl net and line. The entanglement caused a 180 degree wound on the animal's neck. The animal was disentangled.	SI	NSI	P7b	1	0	circumferential neck entanglement - trawl gear	
2011287	9/29/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A subadult male northern fur seal was observed entangled in gray twisted strand net. There was no wound caused by the entanglement. The netting appeared to be derelict fishing gear that is not used in current fisheries. The animal was disentangled.	SI	NSI	P7b	1	0	Entangled in unidentified marine debris / gear	
2011288	10/7/2011	2011	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A subadult male northern fur seal was observed entangled in a clear plastic loop resembling the top of oatmeal container. The entanglement caused a 180 degree wound. The animal was disentangled.	SI	NSI	P7b	1	0	Circumferential neck entanglement - unknown material / marine debris	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2011289	10/7/2011	2011	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	PUP	F	AKRO	A female northern fur seal pup was entangled in orange braided fishing net. The pup did not have a wound and the animal was disentangled.	SI	NSI	P7b	1	0	Entangled in unspecified fishing net	
1483	1/24/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught and killed in a haul.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1485	1/24/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught in a haul and found in the live tank. The head was collected as a sample and photos were taken.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1482	3/24/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught and killed in a haul.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1486	3/26/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was found dead, entangled in longline gear. The observer took the head and photos as a sample.	DEAD	DEAD	N/A	1	1	Caught on AK BSAI Pacific cod longline	AK BSAI Pacific cod longline
1484	4/1/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught in a haul. The head was removed and samples were taken. The observer noted the animal looked to be very healthy and reported that bright red blood oozed from its nostrils.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1489	4/26/2011	2011	Eastern Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught and killed in a haul.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1488	5/1/2011	2011	Eastern Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A dead ringed seal that was caught in a haul was dumped from the trawl net into the vessel's tanks. There was no apparent sign of injury. Photos were taken.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1491	5/1/2011	2011	Eastern Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught in a haul. Animal was noted to be fresh dead with two holes in its body. The animal was bleeding from both. The observer noted the animal was in relatively fine condition.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1490	5/14/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught and killed in haul.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1487	7/2/2011	2011	Eastern Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught and killed in a haul and was dumped into vessel's tanks. The seal appeared fresh dead. The observer noted the animal's body was very flexible and its blood flowed freely.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pacific cod trawl	AK BSAI Pacific cod trawl
OBOffload201101	7/5/2011	2011	Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	An observer reported that a spotted seal (later determined to be a ringed seal) was discovered during processing. The fishing vessel was reportedly previously fishing 100 miles north of the Pribilofs. This mortality cannot be applied to a specific fishery due to how and when the ringed seal was discovered.	DEAD	DEAD	N/A	1	1	Caught in commercial fishing gear	
1493	8/7/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught and killed in a haul. There was no external indication of bodily injury.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1492	8/11/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught and killed in trawl gear. The animal's body was in good condition.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2011141	8/23/2011	2011	Barrow	Arctic	Ringed Seal	Alaska	A	M	AKRO	A ringed seal was found dead with a gunshot wound to its head. This animal is potentially struck and lost from a subsistence hunt.	DEAD	DEAD	P9	1	1	shot	
1494	3/4/2011	2011	Central Bering Sea	WAK	Spotted Seal (Larga)	Alaska	U	U	Observer	A spotted seal appeared to be hooked by longline. It was dead. The seal's body broke away from the longline at the surface and the crew was unable to bring it aboard.	DEAD	DEAD	N/A	1	1	Caught on AK BSAI Pacific cod longline	AK BSAI Pacific cod longline
2011011	4/25/2011	2011	Yakutat	SEAK	Steller Sea Lion	Eastern US	SA	U	AKRO	A subadult SSL was severely entangled in a gillnet, although it was able to keep its nose out of water throughout the entanglement. A responder cut the net from the animal's neck, the hind flippers, and shoulders. The animal slipped out when the net was lifted and dove immediately and exhibited high energy movements.	SI	NSI	P7b	1	0	Entangled in unspecified gillnet	
AER00095	5/2/2011	2011	Gran Pt	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL was observed with a circumferential neck entanglement caused by a rubber band.	SI	SI	P8a	1	1	circumferential neck entanglement - rubber band	
2011018	5/14/2011	2011	Juneau	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL was observed entangled with a halibut gangion and hook wrapped around its neck.	SI	SI	P8a	1	1	Entangled in unspecified halibut longline	
AER_SM	5/16/2011	2011	Gran Pt	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL with a scar presumed to be from a circumferential neck entanglement was observed. The wound appeared to be healing.	SI	NSI	P8a	1	0	circumferential neck entanglement - unknown material / marine debris	
AER00085	5/26/2011	2011	Forrester - West Rk	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with circumferential neck entanglement caused by unknown material / marine debris. ADFG notes this is a possible duplicate sighting, but does not believe so.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_AF_94	6/3/2011	2011	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_AF_95	6/4/2011	2011	Forrester - Petrel Is (General)	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00086	6/5/2011	2011	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AEF_AF_75	6/6/2011	2011	Forrester - Lowrie Is: Waits View	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and a flasher was observed trailing from the left side of its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AER00091	6/6/2011	2011	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
AER_SM_106	6/7/2011	2011	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
AER_SM_107	6/7/2011	2011	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
AER00087	6/7/2011	2011	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER00089	6/7/2011	2011	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
AEF_AF_74	6/10/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear. There was a flasher observed in the animal's mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AER_AF_96	6/11/2011	2011	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_AF_97.1	6/11/2011	2011	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL with a pup was observed with a circumferential neck entanglement possibly caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AER_AF_97.2	6/11/2011	2011	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	PUP	U	ADFG	This is an SSL pup with a mother observed to have a circumferential neck entanglement, possibly caused by a packing band. A dependent animal with a seriously injured mother is considered a serious injury under P14.	SI	SI	P14	1	1	Dependent animal with SI mother	
AEF_UU_76	6/14/2011	2011	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	U	U	ADFG	A SSL swallowed troll fishery gear. The flasher was observed trailing from the animal.	SI	SI	P2	1	1	Swallowed troll gear	
2011047	6/15/2011	2011	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL reportedly ingested a hook as evidenced by a white flasher hanging from its mouth. The animal was observed lying down.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00051	6/16/2011	2011	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	Adult female SSL swallowed trolling gear, flasher was observed trailing.	SI	SI	P2	1	1	Swallowed troll gear	
2011044	6/18/2011	2011	Tenakee	SEAK	Steller Sea Lion	Eastern US	SA	M	AKRO	A subadult male SSL ingested a hook and a silver flasher with blue and purple stripes was observed tight against the right side of the animal's mouth. The animal was noted as lethargic and was branded W373.	SI	SI	P2	1	1	Swallowed troll gear	
AER00097	6/22/2011	2011	Forrester - Lowrie Is: Boyd 7	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF00052	6/23/2011	2011	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and a flasher was observed hanging from the right side of the animal's mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AER_JU_103	6/23/2011	2011	Forrester - Cape Horn Rks	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011065	6/25/2011	2011	West Brother Island	SEAK	Steller Sea Lion	Eastern US	A	F	AKRO	An adult female SSL was observed entangled with a line or band tight around its neck. Animal was emaciated and her ribs were apparent.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011048	6/26/2011	2011	Sitka	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL swallowed troll fishery gear and an orange flasher was observed hanging from the animal's mouth. The animal was emaciated and lethargic.	SI	SI	P2	1	1	Swallowed troll gear	
AER_AF_98	6/27/2011	2011	Forrester - Lowrie Is: Shore 11 Peregrine Rocks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AB002112	6/28/2011	2011	Inian Islands: Middle Rk	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_AF_99	6/28/2011	2011	Cape Ommaney	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
AER_AM_102	6/28/2011	2011	Cape Ommaney	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_NU_104	6/28/2011	2011	Inian Islands: Middle Rk	SEAK	Steller Sea Lion	Eastern US	PUP	U	ADFG	A SSL pup was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_UU_112	6/28/2011	2011	Cape Ommaney	SEAK	Steller Sea Lion	Eastern US	U	U	ADFG	A SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF00044	6/29/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear. The flasher was trailing from the right side of the animal's mouth. The flasher was silver with blue rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00046	6/29/2011	2011	Biali Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	Adult female SSL swallowed trolling gear, flasher trailing from right side of mouth. Flasher is silver with vertical purple/blue stripe. @ Biali Rocks, SEAK. Animal is being followed by a juvenile.	SI	SI	P2	1	1	Swallowed troll gear	
AER00090	6/29/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF_JU_66	6/30/2011	2011	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL swallowed troll fishery gear. It was observed with a flasher trailing from the left side of the mouth. The flasher was silver with a dark blue rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_JU_67	6/30/2011	2011	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL swallowed troll fishery gear. A flasher was observed trailing from the left side of the animal's mouth. The flasher was silver with a light blue rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_68	6/30/2011	2011	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear, a flasher was observed trailing from the left side of its mouth. The flasher was silver or white with a	SI	SI	P2	1	1	Swallowed troll gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
										red rim.							
AER00100	6/30/2011	2011	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by longline gear.	SI	SI	P8a	1	1	circumferential neck entanglement - longline gear	
AEF_SM_69	7/1/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and a flasher was observed hanging from its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
2011077	7/2/2011	2011	Haines	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL swallowed troll fishery gear. There was a flasher and blood observed near the animal's mouth.	DEAD	DEAD	P2	1	1	Swallowed troll gear	
AEF_SM_70	7/2/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear. A flasher was observed trailing from the left side of the mouth. The flasher was silver and red.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00045	7/2/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult male SSL swallowed troll fishery gear and a flasher was observed hanging from the right side of the mouth. The flasher was silver with a red rim. A blue hoochie was also visible.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_NU_71	7/3/2011	2011	Inian Islands	SEAK	Steller Sea Lion	Eastern US	SA/A D	U	ADFG	A SSL swallowed troll fishery gear and a flasher was observed trailing from the left side of the animal's mouth. The flasher was silver.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_77	7/3/2011	2011	Forrester - Lowrie Is: Boyd 7	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and a flasher was observed tight to the animal's lips.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00047	7/3/2011	2011	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and a flasher was observed trailing from the animal's left lip. The flasher was silver on one side and had a lime green border on the opposite side.	SI	SI	P2	1	1	Swallowed troll gear	
AER_SM_108	7/3/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement that was caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
AEF_SM_72	7/4/2011	2011	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and a flasher protruding from the animal's mouth. The flasher had a green and blue rim.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_73	7/4/2011	2011	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear and a flasher was observed tight to the animal's left lip. The flasher was small and white with a red rim.	SI	SI	P2	1	1	Swallowed troll gear	
AER_AF_100	7/5/2011	2011	Forrester - Lowrie Is: Sunset Point	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF00049	7/7/2011	2011	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear. The flasher was observed trailing.	SI	SI	P2	1	1	Swallowed troll gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AEF00050	7/7/2011	2011	Forrester - Cape Horn Rks	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL swallowed troll fishery gear. The flasher was observed trailing.	SI	SI	P2	1	1	Swallowed troll gear	
AER_AF_101	7/7/2011	2011	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_SM_109	7/7/2011	2011	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011078	7/8/2011	2011	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	SA	F	AKRO	A subadult female SSL ingested troll fishery gear. A flasher was hanging from the animal's mouth and there was a hook lodged in esophagus.	DEAD	DEAD	P2	1	1	Swallowed troll gear	
AEF00048	7/8/2011	2011	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult male SSL swallowed troll fishery gear and a flasher was observed trailing from the animal's mouth. Flasher was silver on both sides.	SI	SI	P2	1	1	Swallowed troll gear	
AER00092	7/8/2011	2011	Hazy Is - Grassy Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF00053	7/9/2011	2011	Forrester - 11S or 11PR From Boat	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL swallowed troll fishery gear and a flasher was observed trailing from the left side of the animal's mouth. The Flasher was silver and orange and attached to a pink hoochie.	SI	SI	P2	1	1	Swallowed troll gear	
AER_SM_110	7/10/2011	2011	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011096	7/26/2011	2011	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL that had ingested a hook was observed. A flasher was hanging from the right side of its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
2011114	8/7/2011	2011	Juneau	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL that had ingested a hook was observed. A flasher was hanging from the animal's mouth. The animal was lethargic, breathing through an open mouth, lying down, and hauled out away from the group.	SI	SI	P2	1	1	Swallowed troll gear	
2011120	8/16/2011	2011	Tenakee	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL that had ingested a hook was observed. A blue flasher was seen hanging from the left side of its mouth. The animal appeared weak and emaciated.	SI	SI	P2	1	1	Swallowed troll gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AER_NU_105	8/23/2011	2011	Little Is	SEAK	Steller Sea Lion	Eastern US	PUP	U	ADFG	A SSL pup was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011154	9/7/2011	2011	Rocky Island	SEAK	Steller Sea Lion	Eastern US	A	M	AKRO	An adult male SSL was observed with neck entanglement.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_SM_111	9/7/2011	2011	Rocky Is, near Pt. Couverden	SEAK	Steller Sea Lion	Eastern US	U	U	ADFG	A SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011166	9/12/2011	2011	Petersburg	SEAK	Steller Sea Lion	Eastern US	A	M	AKRO	An adult male SSL was observed with a tight band around its neck.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2011148	9/15/2011	2011	Juneau	SEAK	Steller Sea Lion	Eastern US	A	U	AKRO	An adult SSL was observed entangled in fishing line and line was wrapped around the animal's neck.	SI	SI	P8a	1	1	circumferential neck entanglement - monofilament	
1466	1/30/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was reported to be killed in a haul. The observer took photos.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1465	2/24/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was found dead in the net's cod end. The observer removed and froze the snout as a sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1468	2/24/2011	2011	BSAI (central)	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was found dead in the cod end of a haul. Animal was in good body condition and was foaming at snout. The observer removed the snout removed and took photos.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pacific cod trawl	AK BSAI Pacific cod trawl
1467	2/26/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed in a haul. There was foam observed to be coming from the animal's mouth. The animal was freshly dead and the snout was removed by the observer as a sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1469	4/19/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught and killed by bottom trawl gear during a haul. The observer collected the animal's whole head for a sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1472	5/28/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL caught and killed in a haul.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1471	6/9/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A dead SSL was found in a haul. There was white foam coming from its snout. The observer removed the animal's snout with a saw and took pictures. The animal was freshly dead and was still warm.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
1473	6/9/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A fresh dead and still warm SSL was caught in a haul. Foam was observed coming from the animal's mouth. The observer collected the head as a sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1470	6/11/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was found dead in a live tank. The observer took photos and noted that foam was present around the animal's nose and mouth. There was also blood around the animal's eyes.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1476	6/24/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught during a haul. The animal was dead, frothing at the mouth and in rigor mortis. The observer took photos and a snout sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1474	6/27/2011	2011	Central Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was caught during a haul. The animal appeared to be recently dead. The snout was removed by the observer for a sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
2011073	7/6/2011	2011	Seward	SCAK	Steller Sea Lion	Western US	U	U	AKRO	A SSL ingested troll fishery gear and a nine inch flasher was observed hanging from its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AER00094	7/11/2011	2011	Wooded Is. (Fish Is), PWS	PWS	Steller Sea Lion	Western US	A	M	ADFG	An adult male SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
1478	8/4/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was killed in a haul. The observer took photos and removed the head for a sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1477	8/23/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	M	Observer	A male SSL was killed in a haul. The observer reported the animal was freshly dead.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1475	8/31/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was killed in a haul. The observer reported the animal was freshly dead. The observer took the snout as a sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1480	10/11/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was killed in a haul. The animal was observed during bag dump. The observer reported the animal was foaming from mouth.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
1481	10/16/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A SSL was found in dead in a live tank following a haul. The animal was reported to be killed by gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
1479	11/6/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A freshly dead SSL was found on the belt following a haul. The animal was reported to be killed by gear. The observer collected the snout as a sample.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Flatfish trawl	AK BSAI flatfish trawl
2011057	6/20/2011	2011	Prince William Sound	SCAK	Unident. Whale	N/A	U	U	AKRO	A fishing vessel reported a 25 foot whale swam through their fishing net as it was being hauled in. The whale was not entangle and blew through the net leaving a hole behind. The reporting party thought the whale was a minke or subadult fin whale.	NSI	NSI	L3	0	0	Entangled in unspecified fishing net	
OB201256	8/9/2012	2012	Central Bering Sea	WAK	Bearded Seal	Alaska	U	U	Observer	A bearded seal was found dead in a live tank. The animal was reported to be killed by gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
OB201257	8/29/2012	2012	Eastern Bering Sea	WAK	Bearded Seal	Alaska	U	U	Observer	A bearded seal was found fresh dead in a AK BSAI flatfish trawl haul. Animal was foaming from mouth, reported as killed by gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AMMOP2012 01	8/5/2012	2012	Steamer Bay	SEAK	Dall's Porpoise	Alaska	U	U	AMMOP	A Dall's porpoise was entangled in SEAK Salmon drift gillnet. The observer reported the animal was entangled for about 2 minutes. In order to free the animal the fisherman had to haul the net out of the water and cut the animal free about one and a half meters above the water's surface. The porpoise was noted to be bleeding from the tail fluke and dorsal fin. It did not appear to be trailing any gear once released and swam away rapidly. This interaction is considered a serious injury as the process of hauling this porpoise out of the water could have caused stress and increased the likelihood of capture myopathy or hidden injuries.	SI	SI	S7b	1	1	Caught in SEAK Salmon drift gillnet	SE AK salmon drift gillnet
2012017	4/17/2012	2012	Kodiak	Kodiak	Fin Whale	Northeast Pacific	U	U	AKRO	A fin whale was foraging mid-water when it caught an anchor cable from a fishing vessel in its mouth and became entangled in the ground tackle. The whale pulled the boat for a while but did not resurface and the captain cut and lost the cable. Nine days later the carcass floated to the surface and Kate Wynne captured photographs.	SI	DEAD	L2	1	1	Entangled in ground tackle	
2012162	8/1/2012	2012	Nome	WAK	Harbor Porpoise	Bering Sea	A	U	AKRO	A harbor porpoise was found dead and entangled in a subsistence gillnet offshore from Nome. It was then used for subsistence purposes.	DEAD	DEAD	S7a	1	1	Entangled in subsistence salmon gillnet	
OB201283	2/16/2012	2012	Eastern Bering Sea	WAK	Harbor Seal	Undet.	U	U	Observer	A harbor seal was caught and killed in a haul.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
2012009	3/15/2012	2012	Glacier Bay	SEAK	Harbor Seal	Undet.	U	M	AKRO	A male harbor seal skeleton was found on a beach west of Gustavus dock. The skull and fore flippers were missing and some remaining flesh contained straight cut marks, indicating animal was harvested for subsistence purposes.	DEAD	DEAD	N/A	N/A	N/A	Subsistence take	
OB201284	3/16/2012	2012	Eastern Bering Sea	WAK	Harbor Seal	Undet.	U	F	Observer	A pinniped which was later determined to be a female harbor seal was found dead in a vessel's live tank and determined to be killed by gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
2012113	8/9/2012	2012	Petersburg	SEAK	Harbor Seal	Undet.	U	U	AKRO	A NOAA Law Enforcement vessel struck a harbor seal while travelling at 35 knots. The seal was observed slowly swimming away from a large patch of blood in the water. The seal was observed twice on the surface, but was not seen again. The SI criterion for pinniped-related ship strikes is P15 This interaction is rated SI given the vessel's speed and the quantity of blood observed in the water.	SI	SI	P15	1	1	Ship strike	
2012027	5/1/2012	2012	Juneau	SEAK	Humpback Whale	Central North Pacific	CALF	U	AKRO	A seaplane pilot reported sighting a humpback whale calf that was towing an orange buoy between Horse and Colt Islands. The whale appeared to be moving rapidly. A disentanglement team arrived and attached a telemetry buoy to the calf. The calf subsequently shed all gear. The initial injury determination was to prorate under L10, however, all gear was shed and the final determination is NSI.	Prorate	NSI	L10	0.75	0	Entangled in unspecified pot gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2012035	5/14/2012	2012	Juneau	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback whale became entangled in a drift gillnet in Taku River. The fisher tried to free the whale, but had to cut the net. The entanglement was thought to consist of 30 fathoms of net, a 36 inch orange poly buoy, and a high flier with light. The entanglement was believed to consist of multiple wraps of gillnet and heavy line around the rostral portion of the whale's body. The animal became entangled at 2300 on 5/14/2012 and its location was observed via high flier through 0230 on 5/15/2012. Subsequent searches of the area failed to turn up entangled whale. Due to multiple wraps of netting and line around the animal's head this will be considered a serious injury under criteria L2.	SI	SI	L2	1	1	Caught in SEAK Salmon Drift Gillnet	AK SE salmon drift gillnet
2012056	6/7/2012	2012	Icy Strait	SEAK	Humpback Whale	Central North Pacific	A	U	AKRO	A 294 meter vessel struck a humpback whale while travelling at 14 knots. The whale was reported to be observed swimming normally after the incident. The final outcome is a SI per criteria L6a due to vessel's size and speed.	SI	SI	L6a	1	1	Ship strike	
2012053	6/22/2012	2012	Frederick Sound	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A captain self-reported a ship strike of a humpback whale. The vessel was a 41 foot pilot vessel that was travelling at 23 knots. The captain turned hard and backed down in attempt to avoid whale, but the starboard side of the vessel struck the whale. The whale was then seen swimming normally following the strike. This interaction meets criteria L6b and was prorated accordingly.	Prorate	Prorate	L6b	0.2	0.2	Ship strike	
2012064	7/2/2012	2012	Pt Baker	SEAK	Humpback Whale	Central North Pacific	SA	U	AKRO	A subadult humpback whale became entangled in a drift gillnet. Two fishing vessels tensioned the net on either end and the whale broke free. The whale was then seen swimming away from the fishing. There was no report of trailing gear or gear missing from the net.	Prorate	NSI	L10	0.75	0	Caught in SEAK Salmon Drift Gillnet	AK SE salmon drift gillnet
2012079	7/13/2012	2012	Freshwater Bay	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback whale surfaced under an 18 foot small boat whose occupants were engaged in recreational halibut fishing. The boat was capsized and people were thrown into the water. This is considered an NSI under L6c due to lack of evidence of injury and the small size of the boat.	NSI	NSI	L6c	0	0	Ship strike	
2012078	7/17/2012	2012	Haines	SEAK	Humpback Whale	Central North Pacific	CALF	U	AKRO	A humpback whale calf swam into a subsistence drift gillnet. The fisher was able to apply tension to buoy line and the whale rolled out of net, appearing unharmed. The net was damaged but no gear appeared to be missing. This interaction is considered a NSI due to final outcome.	Prorate	NSI	L10	0.75	0	Caught in SEAK Subsistence Salmon Drift Gillnet	SEAK subsistence salmon drift gillnet

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2012103	8/5/2012	2012	Hollis	SEAK	Humpback Whale	Central North Pacific	A	U	AKRO	An adult humpback whale was observed entangled in Kasaan Bay. The whale was trailing over a hundred feet of line with a 12 inch pink and white buoy. The reporting party believed this was subsistence halibut gear. This interaction is prorated under criteria L10 as the full nature of entanglement is unknown.	Prorate	Prorate	L10	0.75	0.75	Entangled in unspecified halibut longline	
2012117	8/6/2012	2012	Cape Suckling	SEAK	Humpback Whale	Central North Pacific	CALF	U	AKRO	A dead 30 foot humpback whale calf was found entangled in gillnet. The animal was moderately decomposed and was being scavenged on by bears. The majority of the gillnet appeared to be wrapped around the flukes, and net stretched towards the whale's head. Photos depict a whale that was entangled from its flukes to its tail.	DEAD	DEAD	L2	1	1	Entangled in unspecified gillnet	
2012124	8/16/2012	2012	Icy Strait	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A 16 foot skiff struck a humpback whale. The skiff was travelling at 30 mph. One crew member was ejected and both suffered injuries. The whale's condition was unknown and will be prorated under criteria L6b.	Prorate	Prorate	L6b	0.2	0.2	Ship strike	
2012142	8/30/2012	2012	Sitka	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	An adult humpback whale was reported to be trailing up to 30 feet of gillnet and line. No buoys or corks were observed. The animal was mobile and appeared to be feeding / deep diving. Since the full nature of the entanglement is unknown this interaction is prorated under criteria L10.	Prorate	Prorate	L10	0.75	0.75	Entangled in unspecified gillnet	
2012043	6/1/2012	2012	Dutch Harbor	WAK	Humpback Whale	Western North Pacific / Central North Pacific	U	U	AKRO	A humpback whale was sighted in front Dutch Harbor towing a football sized buoy. The buoy would disappear with each dive. This interaction is prorated under criteria L10.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	
2012066	7/1/2012	2012	Seward	SCAK	Humpback Whale	Western North Pacific / Central North Pacific	U	U	AKRO	A 28 foot halibut charter boat captain reported striking a humpback whale with his vessel. The damage was reported to be extensive. The vessel was travelling towards Seward at 22-25 knots when the strike occurred. This interaction is prorated under criteria L6b.	Prorate	Prorate	L6b	0.2	0.2	Ship strike	
2012065	7/9/2012	2012	Seward	SCAK	Humpback Whale	Western North Pacific / Central North Pacific	U	U	AKRO	A passenger provided an extensive report regarding a ship strike of a humpback whale. The vessel was travelling at greater than 20 knots and was greater than 65 feet. The animal was observed bleeding and after breaching remained in one spot. Pictures are available and show blood in water. This interaction is considered a SI under criteria L6a.	SI	SI	L6a	1	1	Ship strike	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2012102	8/3/2012	2012	Uyak Bay	Kodiak	Humpback Whale	Western North Pacific / Central North Pacific	U	U	AKRO	A humpback whale was entangled in dungeness crab pot gear with wraps of line around the animal's midsection and tailstock. The animal appeared very tired and local fisherman and the reporting party were able to apply tension to the line. This allowed the midsection wrap of line to drop loose, although the wraps around tailstock remained. Later the whale was sighted and observed to shed its remaining gear. The final outcome of this interaction is a NSI.	Prorate	NSI	L10	0.75	0	Entangled in unspecified pot gear	
OB201285	10/5/2012	2012	BSAI (eastern)	WAK	Humpback Whale	Western North Pacific / Central North Pacific	U	U	Observer	A freshly dead humpback whale was entangled in a trawl net and the dead whale was cut free at the trawl ramp. The observer was unable to identify the whale but analysis at NMML confirmed the animal was a humpback whale.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pollock Trawl	AK BSAI pollock trawl
OB201250	3/2/2012	2012	Eastern Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	U	U	Observer	A killer whale was observed to be entangled in Pacific cod longline gear. In response, the line was cut at the crucifier and the other end of the gear was retrieved. In the meantime, the whale reportedly freed itself and all gear was recovered. The final outcome of this interaction was a NSI.	SI	NSI	S7b	1	0	Caught on AK BSAI Pacific cod longline	AK BSAI Pacific cod longline
OB201250	3/12/2012	2012	Eastern Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	SA	U	Observer	A juvenile orca was entangled in longline gear and reported to be killed by gear by the observer.	DEAD	DEAD	N/A	1	1	Caught on AK BSAI Pacific cod longline	AK BSAI Pacific cod longline
OB201251	7/30/2012	2012	Central Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	U	M	Observer	A male killer whale was caught in unidentified trawl gear and the whale was brought onto deck two times before crew was able to release the whale. Blood was observed on deck. Since the animal was brought onto deck this event automatically qualifies as criteria S4 and a SI. The fishery cannot be identified.	SI	SI	S4	1	1	Entangled in unspecified trawl net	
2012096	7/12/2012	2012	St. George	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A four to five year old subadult male northern fur seal was observed with a 360 degree wound caused by a packing band. The band was removed and the animal was released.	SI	NSI	P7b	1	0	circumferential neck entanglement - packing band	
2012098	7/12/2012	2012	St. George	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A three year old subadult male northern fur seal was observed with a 360 degree wound caused by a blue packing band and line. The band was removed and animal was released.	SI	NSI	P7b	1	0	circumferential neck entanglement - packing band	
2012099	7/12/2012	2012	St. George	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A six to seven year old male northern fur seal was observed with a circumferential neck entanglement	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2012100	7/12/2012	2012	St. George	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A six year old male northern fur seal was observed with a circumferential neck entanglement.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2012236	7/27/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A subadult male northern fur seal was observed entangled in a packing band. The animal was captured and disentangled.	SI	NSI	P7b	1	0	circumferential neck entanglement - packing band	
2012238	7/27/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A subadult male northern fur seal was observed entangled in an unspecified fishing net. The animal was then captured and disentangled.	SI	NSI	P7b	1	0	circumferential neck entanglement - packing band	
2012237	8/3/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A subadult male northern fur seal was observed entangled in a piece of trawl net. The animal was captured and disentangled.	SI	NSI	P7b	1	0	circumferential neck entanglement - packing band	
2012147	8/9/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	A	F	AKRO	An adult female northern fur seal was observed entangled with a fishing net around its neck.	SI	SI	P8a	1	1	circumferential neck entanglement -unspecified fishing net	
2012148	8/9/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A subadult male northern fur seal was observed with green fishing net wound around neck. A 360 degree wound was observed.	SI	SI	P8a	1	1	circumferential neck entanglement -unspecified fishing net	
2012149	8/11/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	PUP	U	AKRO	A northern fur seal pup was observed entangled in a white packing band. The pup was captured and disentangled.	SI	NSI	P7b	1	0	circumferential neck entanglement - packing band	
2012150	8/11/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A four to five year old northern fur seal was observed entangled in a section of fishing net.	SI	SI	P8a	1	1	Entangled in unspecified fishing net	
2012152	8/20/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	A	F	AKRO	A young adult female northern fur seal was entangled in a packing band. The animal was captured and disentangled.	SI	NSI	P7b	1	0	circumferential neck entanglement - packing band	
2012153	8/22/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A five to six year old male northern fur seal was entangled in a packing band. The animal was captured and disentangled.	SI	NSI	P7b	1	0	circumferential neck entanglement - packing band	
2012154	8/22/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A young male northern fur seal was entangled in trawl netting. The animal was captured and disentangled.	SI	NSI	P7b	1	0	Entangled in unspecified trawl net	
2012155	8/23/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	A	F	AKRO	An adult female northern fur seal was observed entangled in green trawl net. The animal was captured and disentangled.	SI	NSI	P7b	1	0	Entangled in unspecified trawl net	
2012146	8/27/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SA	M	AKRO	A five year old male northern fur seal was observed with a circumferential neck entanglement. Disentanglement was not attempted.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
OBOffload201 202	8/27/2012	2012	Unknown	AK	Northern Fur Seal	Eastern Pacific	U	U	Observer	A dead northern fur seal was observed on the vessel's deck following offload. The observer stated the fur seal was found in one of the fishing vessel's tanks. This mortality cannot be applied to a specific fishery due to how and when the fur seal was discovered.	DEAD	DEAD	N/A	1	1	Caught in commercial fishing gear	
2012219	10/16/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SA	U	AKRO	A subadult northern fur seal was observed entangled in a stiff plastic loop. No injury was present at the time of observation but the possibility exists for future injury as the animal grows.	SI	SI	P8a	1	1	Entangled in unidentified marine debris / gear	
OB201277	8/5/2012	2012	Eastern Bering Sea	WAK	Ribbon Seal	Alaska	U	U	Observer	A ribbon seal was caught and killed in an AK BSAI flatfish trawl.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201279	6/5/2012	2012	Eastern Bering Sea	WAK	Ringed Seal	Alaska	U	F	Observer	A ringed seal was caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201278	6/10/2012	2012	Eastern Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught and killed in an AK BSAI flatfish trawl.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201280	9/9/2012	2012	Eastern Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
2012023	5/4/2012	2012	Yakutat	SEAK	Sperm whale	North Pacific	A	M	AKRO	A net from an unknown fishery was wrapped around the lower jaw of an adult male beached sperm whale. The whale was dead and in an advanced state of decomposition which prevented the identification of marks from net chafing. The whale was possibly involved in a fishery interaction, but this is uncertain without further information.	DEAD	DEAD	N/A	N/A	N/A	Unattributable	
OB201248	5/18/2012	2012	GOA (central)	GOA	Sperm Whale	North Pacific	U	U	Observer	A sperm whale was reported to be entangled in AK GOA sablefish longline gear. The entangled whale surfaced near the boat and the ground line was severed in order to 'free' the whale. Report does not clarify confirmation that animal was totally free of gear. The outcome of this interaction is prorated using criteria L10.	SI	Prorate	L10	1	0.75	Entangled in AK GOA sablefish longline gear	AK GOA sablefish longline
OB201252	7/25/2012	2012	GOA (central)	SCAK	Sperm whale	North Pacific	U	U	Observer	A sperm whale was reported to be entangled in AK GOA sablefish longline gear. The whale was entangled in the line for ten minutes before the crew was able to retrieve the maximum amount of line possible and cut the line. The whale then swam away and there is no mention of the severity of the remaining entanglement. The outcome of this interaction is prorated using criteria L10.	SI	Prorate	L10	1	0.75	Entangled in AK GOA sablefish longline gear	AK GOA sablefish longline
OB201281	2/21/2012	2012	Eastern Bering Sea	WAK	Spotted Seal (Larga)	Alaska	U	U	Observer	A spotted seal was caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201282	5/12/2012	2012	Eastern Bering Sea	WAK	Spotted Seal (Larga)	Alaska	U	U	Observer	A spotted seal was caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
12NWR01010	1/21/2012	2012	Long Beach	WA	Steller Sea Lion	Eastern US	A	M	NWRO	An adult male Steller sea lion was found dead on the shore in Long Beach, WA. The body was in moderate decomposition. The animal was necropsied and was found to have been shot in the head and abdomen.	DEAD	DEAD	P9	1	1	Shot	
12NWR02022	2/4/2012	2012	WA Coast	WA	Steller Sea Lion	Eastern US	A	F	NWRO	An adult female Steller sea lion was found dead on the shore in Ocean Shores, WA. The animal was fresh dead. A necropsy was conducted and a bullet tracking wound was found internally.	DEAD	DEAD	P9	1	1	Shot	
2012020	2/29/2012	2012	Hoonah	SEAK	Steller Sea Lion	Eastern US	A	U	AKRO	An adult SSL was observed entangled in a crab pot line. An AK wildlife trooper responded and noted that the line was wrapped around SSL's mid-section twice. The animal did not appear to be struggling to stay afloat, and did not appear injured. Someone cut the buoy free and the SSL was seen two weeks later at the cold storage building, an area frequented by this animal. It was free of gear with a small fresh wound under its flipper. Originally this injury would have been a P6, but the animal became disentangled. A small wound remained, hence the P9 rating.	SI	NSI	P9	1	0	Entangled in unspecified pot gear	
CAS-SLP-168	3/21/2012	2012	Point Reyes National Seashore	CA	Steller Sea Lion	Eastern US	A	M	SWFSC	A SSL was found freshly dead with a pellets and bullets in its facial tissue and jaw. This animal was a branded animal and was marked '67Y'.	SI	DEAD	P9	1	1	Shot	
12NWR03023	3/23/2012	2012	Long Beach	WA	Steller Sea Lion	Eastern US	A	F	NWRO	An adult female Steller sea lion was found dead on the shore in Long Beach, WA. The body was in advanced decomposition. The animal was emaciated and with large a fetus. A necropsy was conducted and the animal was found to be killed by gunshot.	DEAD	DEAD	P9	1	1	Shot	
AB001660	3/31/2012	2012	Dry Bay, Alsek River	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_AF_125	4/10/2012	2012	Benjamin Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by an unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
12NWR04012	4/22/2012	2012	Columbia River	OR	Steller Sea Lion	Eastern US	A	F	NWRO	An adult female Steller sea lion found dead on shore along the Columbia River, Oregon. The body was in moderate decomposition. A necropsy was conducted and the animal was found to be shot, There was a bullet found in its diaphragm.	DEAD	DEAD	P9	1	1	Shot	
12NWR04034	4/25/2012	2012	Warrenton	OR	Steller Sea Lion	Eastern US	A	M	NWRO	An adult male Steller sea lion was found dead on the shore in Warrenton, OR. The body was in moderate decomposition. A necropsy was conducted and the animal was found to have been shot.	DEAD	DEAD	P9	1	1	Shot	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
12NWR04020	4/28/2012	2012	Gearhart	OR	Steller Sea Lion	Eastern US	A	M	NWRO	An adult male Steller sea lion was found dead on the shore in Gearhart, OR. The body was in moderate decomposition. A necropsy was conducted and the animal was found to have been shot. Bullet holes/tracks with associated hemorrhaging was found.	DEAD	DEAD	P9	1	1	Shot	
12NWR05081	5/3/2012	2012	Long Beach	WA	Steller Sea Lion	Eastern US	A	M	NWRO	An adult male Steller sea lion was found dead on shore in Long Beach, WA. The animal was in advanced decomposition. A necropsy was conducted and the animal was found to have been shot. A shotgun pellet was collected from its chest.	DEAD	DEAD	P9	1	1	Shot	
AER00096	5/4/2012	2012	Gran Pt	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris. @ Gran Point, SEAK.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2012045	5/12/2012	2012	Petersburg	SEAK	Steller Sea Lion	Eastern US	A	M	AKRO	A large adult male SSL was reported to have a deep circumferential neck entanglement. The animal was observed hauled out. The reporting fisherman felt the animal was going to die from its injuries. Determination: SI due to circumferential neck entanglement (P8a).	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2012034	5/14/2012	2012	Petersburg	SEAK	Steller Sea Lion	Eastern US	A	M	AKRO	A dead adult male SSL was floating in Petersburg middle harbor and was recovered. Upon recovery it was thought that someone had tried to cut off the animals head off but later it was determined the cuts were caused by a circumferential neck entanglement caused by twine.	DEAD	DEAD	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
12NWR05102	5/19/2012	2012	Cannon Beach	OR	Steller Sea Lion	Eastern US	A	F	NWRO	An adult female Steller sea lion was found dead on the shore in Cannon Beach, OR. The body was in moderate decomposition. A necropsy was conducted and the animal was evidently shot in the head.	DEAD	DEAD	P9	1	1	Shot	
AER_AM_130	5/24/2012	2012	Benjamin Is	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
12NWR06032	6/2/2012	2012	Gearhart	OR	Steller Sea Lion	Eastern US	A	M	NWRO	An adult male Steller sea lion was found dead on the shore in Gearhart, OR. The animal was in moderate decomposition. A necropsy was conducted and the animal was found to be shot in the neck / scapula area.	DEAD	DEAD	P9	1	1	Shot	
12NWR06137	6/3/2012	2012	WA Coast	WA	Steller Sea Lion	Eastern US	SA	M	NWRO	A subadult male Steller sea lion was found dead on the shore in Ocean City, WA. The animal was in moderate decomposition. A necropsy was conducted and the animal found to have been shot. A bullet entrance wound was found.	DEAD	DEAD	P9	1	1	Shot	
AB002355	6/9/2012	2012	Forrester - West Rk	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	Subadult male SSL was observed with a deep circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
12NWR06101	6/10/2012	2012	Sea Lion Caves	OR	Steller Sea Lion	Eastern US	U	U	NWRO	A Steller sea lion was observed near Sea Lion Caves on the Oregon Coast. The animal was alive and was reported to have flasher in its mouth with line wrapped around its flipper.	SI	SI	P2	1	1	Swallowed troll gear	
AER00054	6/12/2012	2012	Forrester - Lowrie Is: Walts View	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL with a scar presumed to be from a circumferential neck entanglement was observed. The wound appeared to be healed.	SI	NSI	P8a	1	0	circumferential neck entanglement - unknown material / marine debris	
AER00098	6/14/2012	2012	Forrester - Petrel Is (General)	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement possibly caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2012052	6/19/2012	2012	Sitka	SEAK	Steller Sea Lion	Eastern US	A	M	AKRO	A necropsy was conducted on an adult male SSL. The animal was found to have died from pneumonia and septicemia due to a fishing hook embedded in the animal's esophagus.	DEAD	DEAD	P2	1	1	Swallowed troll gear	
AER_AM_131	6/25/2012	2012	Sea Lion Is	SEAK	Steller Sea Lion	Eastern US	U	U	ADFG	A SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF_SM_81	6/27/2012	2012	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear. A flasher was observed tight to the right side of its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_82	6/28/2012	2012	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll gear. A flasher was observed protruding from the animal's mouth.	SI	SI	P2	1	1	Swallowed troll gear	
2012212	6/29/2012	2012	Gustavus	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL was observed in a photo with a circumferential neck injury caused by unidentified material.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF_JU_83	6/29/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL swallowed troll fishery gear. A flasher was observed hanging one to two feet below the animal's mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AER00104	6/29/2012	2012	Hazy Is - Grassy Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
AEF_AF_84	6/30/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a flasher hanging three feet below its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00073	6/30/2012	2012	Hazy Is - Grassy Is	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL swallowed troll fishery gear. A flasher was observed tight to the animal's mouth and some blood was observed on flasher.	SI	SI	P2	1	1	Swallowed troll gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AER00105	7/1/2012	2012	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF_NM_85	7/2/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	U	U	ADFG	A SSL swallowed troll fishery gear and was observed with a flasher hanging a foot below its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00070	7/2/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	U	M	ADFG	A male SSL swallowed troll fishery gear and there was a silver and orange flasher observed tight to the animal's left lip.	SI	SI	P2	1	1	Swallowed troll gear	
AER_AM_132	7/2/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF_AF_88.1	7/3/2012	2012	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and was observed with a silver and green flasher hanging from its mouth. The female had a nursing pup.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_AF_88.2	7/3/2012	2012	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	PUP	U	ADFG	This is a dependent pup with a mother that has a SI. The pup's mother swallowed troll fishery gear and was observed with a silver and green flasher hanging from its mouth.	SI	SI	P14	1	1	Dependent animal with SI mother	
AEF_AF_89	7/3/2012	2012	Yasha Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear and was observed with a green rimmed flasher hanging close to the left side of its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_AF_91	7/3/2012	2012	Graves Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear. A flasher was observed tight to the right side of its mouth. The animal was observed with a nursing juvenile.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_AM_86	7/3/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult male SSL swallowed troll fishery gear and a silver flasher was observed close to the animal's right lip.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_87	7/3/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_90	7/3/2012	2012	Yasha Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear. An orange rimmed flasher was observed hanging close to the right side of its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AEF00071	7/3/2012	2012	Graves Rks	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult male SSL swallowed troll fishery gear. A silver and red flasher was observed tight to the right side of its mouth. Animal was seen on multiple surveys.	SI	SI	P2	1	1	Swallowed troll gear	
AER00103	7/3/2012	2012	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AEF_JU_92	7/4/2012	2012	Forrester - Cape Horn Rks	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL swallowed troll fishery gear. A green flasher was observed hanging from its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AER_AF_126	7/4/2012	2012	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AER_AF_127	7/4/2012	2012	Sunset Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by a packing band. Animal was observed with a nursing juvenile.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
AER00102	7/4/2012	2012	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	F	ADFG	A subadult female SSL was observed with a circumferential neck entanglement caused by a braided yellow rope.	SI	SI	P8a	1	1	circumferential neck entanglement - rope	
12NWR07032	7/5/2012	2012	OR Coast	OR	Steller Sea Lion	Eastern US	A	F	NWRO	An adult female Steller sea lion was found dead on shore in Gearhart, OR. The animal was in advanced decomposition. A necropsy was conducted and the animal was found to have numerous bullet holes with associated hemorrhaging.	DEAD	DEAD	P9	1	1	Shot	
AEF00072	7/5/2012	2012	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear. A silver flasher with blue trim was observed hanging below its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_AF_94	7/6/2012	2012	Forrester - Lowrie Is: Shore 11 Peregrine Rocks	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL swallowed troll fishery gear. A silver flasher with green rim was observed hanging from its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_SM_93	7/6/2012	2012	Forrester - Lowrie Is: Boyd 5	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear. A silver and green flasher was observed hanging from the animal's mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AER00107	7/6/2012	2012	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF_SM_95	7/7/2012	2012	Inian Islands	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear. A silver flasher with orange rim was observed hanging from animal's mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AER_AM_133	7/7/2012	2012	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AEF_SM_96	7/8/2012	2012	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL swallowed troll fishery gear. There was a holographic flasher observed hanging from the animal's mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AER_AF_128	7/8/2012	2012	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
AEF_JU_97	7/13/2012	2012	UNKNOWN	SEAK	Steller Sea Lion	Eastern US	SA	U	ADFG	A subadult SSL swallowed troll fishery gear. A silver and green flasher was observed hanging from the right side of its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AER_NU_134	7/13/2012	2012	Club Rock near West Rock, Dixon	SEAK	Steller Sea Lion	Eastern US	PUP	U	ADFG	A SSL pup was observed with a circumferential neck entanglement caused by multiple wraps of rope around its neck.	SI	SI	P8a	1	1	circumferential neck entanglement - rope	
2012108	8/5/2012	2012	Wrangell	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL entangled in ghost gillnet gear was reported to be hung up on a rock with line. The reporter was able to disentangle the SSL but was unable to collect the net. Final outcome is a NSI.	SI	NSI	P7b	1	0	Entangled in unspecified gillnet	
2012094	8/9/2012	2012	Juneau	SEAK	Steller Sea Lion	Eastern US	A	M	AKRO	An adult male SSL was observed with an orange flasher hanging from its mouth. The animal appeared alert and active and was hauled out on the beach.	SI	SI	P2	1	1	Swallowed troll gear	
2012133	8/24/2012	2012	Little Island	SEAK	Steller Sea Lion	Eastern US	A	U	AKRO	A SSL was reported to be dead with a flasher in its mouth. It was confirmed with a photo that the animal which was an adult male had a flasher injury, but there is no reason to believe the animal was dead. As with all flasher injuries of living pinnipeds this will be treated as a SI (P2)	SI	SI	P2	1	1	Swallowed troll gear	
AEF_NM_98	8/24/2012	2012	Little Is	SEAK	Steller Sea Lion	Eastern US	U	M	ADFG	A male SSL swallowed troll fishery gear. A silver flasher with a vertical stripe was observed hanging from its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
12NWR09052	9/6/2012	2012	OR Coast	OR	Steller Sea Lion	Eastern US	A	F	NWRO	An adult female Steller sea lion was found dead on the shore in Gearhart, OR. The animal was in advanced decomposition. A necropsy was conducted and a shotgun pellet was recovered from the animal's head.	DEAD	DEAD	P9	1	1	Shot	
AB001693	9/10/2012	2012	Little Is	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult male SSL swallowed troll fishery gear. A dark pink flasher was observed hanging from the right side of its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AEF_AM_99	9/10/2012	2012	Little Is	SEAK	Steller Sea Lion	Eastern US	A	M	ADFG	An adult male SSL swallowed troll fishery gear. A white and red flasher was observed hanging from its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
AER_AF_129	9/10/2012	2012	Little Is	SEAK	Steller Sea Lion	Eastern US	A	F	ADFG	Adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AER_SM_135	9/10/2012	2012	Little Is	SEAK	Steller Sea Lion	Eastern US	SA	M	ADFG	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
2012169	9/15/2012	2012	Elfin Cove	SEAK	Steller Sea Lion	Eastern US	U	U	AKRO	A SSL was observed with a packing band around its neck.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
12NWR10046	10/16/2012	2012	WA Coast	WA	Steller Sea Lion	Eastern US	SA	M	NWRO	A subadult male Steller sea lion was found dead on the shore in Pacific Beach, WA. The Animal was freshly dead. A necropsy was conducted and the animal was found to be shot. The bullet entrance wound was on the left side of skull and the exit wound was on the right side of the skull.	DEAD	DEAD	P9	1	1	Shot	
12NWR12037	12/27/2012	2012	Puget Sound	WA	Steller Sea Lion	Eastern US	SA	M	NWRO	A subadult male Steller sea lion was found dead floating in the Nisqually Delta, near Lacey. The animal was freshly dead. A necropsy was conducted and the animal was found to be shot. A penetrating tracking wound was found and bullet fragments were recovered.	DEAD	DEAD	P9	1	1	Shot	
OB201259	1/29/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pollock Trawl	AK BSAI pollock trawl
OB201261	2/19/2012	2012	Central Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pollock Trawl	AK BSAI pollock trawl
OB201258	2/23/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was caught in an AK BSAI flatfish trawl haul. Observer noted it was foaming at the mouth and freshly dead.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201262	3/12/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	F	Observer	A Steller sea lion was reported to be freshly killed by AK BSAI pollock trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pollock Trawl	AK BSAI pollock trawl
OB201260	3/29/2012	2012	Central Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was reported to be freshly killed by AK BSAI pollock trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pollock Trawl	AK BSAI pollock trawl
2012025	4/28/2012	2012	Seward	SCAK	Steller Sea Lion	Western US	SA	F	AKRO	A subadult female SSL was reported with a circumferential neck injury. A photograph confirmed the report.	SI	SI	P8a	1	1	circumferential neck entanglement - unknown material / marine debris	
OB201263	5/27/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	F	Observer	A Steller sea lion was reported to be caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201265	5/29/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	A	M	Observer	A Steller sea lion was reported to be caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201264	6/8/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was reported to be caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
OB201268	6/14/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	SA	M	Observer	A Steller sea lion was reported to be caught and killed by AK BSAI pollock trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pollock Trawl	AK BSAI pollock trawl
OB201266	6/16/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	F	Observer	A Steller sea lion was caught in an AK BSAI flatfish trawl. There was a discrepancy between the observer comments and recorded species. Jim Thomason confirmed that the species identification was altered to SSL after review of the record.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201270	6/21/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was reported to be caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201269	7/8/2012	2012	Central Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was reported to be caught and killed by AK BSAI pollock trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pollock Trawl	AK BSAI pollock trawl
2012086	7/23/2012	2012	Resurrection Bay	SCAK	Steller Sea Lion	Western US	SA	U	AKRO	A subadult SSL was observed hauled out with a flasher hanging from its mouth.	SI	SI	P2	1	1	Swallowed troll gear	
OB201267	7/30/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was reported to be caught and killed by AK BSAI pollock trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pollock Trawl	AK BSAI pollock trawl
OB201272	8/22/2012	2012	GOA (central)	SCAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was caught in by the AK GOA sablefish longline fishery. The animal swallowed a gangion and appeared to have drowned.	DEAD	DEAD	N/A	1	1	Caught in AK GOA sablefish longline	AK GOA sablefish longline
2012159.1	8/26/2012	2012	The Grotto haulout	SCAK	Steller Sea Lion	Western US	A	F	AKRO	An adult female SSL branded 'E75' was reported to have a flasher hanging from its mouth. The animal was nursing a pup and was resighted again on 9/9/2012 and noted as skinny. This interaction is recorded as an SI with an additional SI for the dependent pup.	SI	SI	P2	1	1	Swallowed troll gear	
2012159.2	8/26/2012	2012	The Grotto haulout	SCAK	Steller Sea Lion	Western US	P	U	AKRO	This is the pup of SSL with a seriously injured mother that swallowed troll fishery gear.	SI	SI	P14	1	1	Swallowed troll gear	
OB201271	9/7/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	F	Observer	A Steller sea lion was caught in a haul. The observer commented that the animal smelled bad and was in rigor mortis. Confirmed that the animal was fresh dead and killed by gear, despite observer comment regarding bad smell.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pollock Trawl	AK BSAI pollock trawl
AER00106	9/9/2012	2012	Round Is (near Walrus Is)	E. Bering	Steller Sea Lion	Western US	SA	U	ADFG	A subadult SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	SI	P8a	1	1	circumferential neck entanglement - packing band	
OB201273	10/8/2012	2012	GOA (western)	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was caught and killed in AK GOA Pacific cod trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK GOA Pacific cod trawl	AK GOA Pacific cod trawl
OBOffload201	2/23/2012	2012	Unknown	AK	Steller Sea Lion	Western US / Eastern US	U	U	Observer	An observer reported spotting a dead Steller sea lion in a fishing vessel's tank following offload. This mortality cannot be applied to a specific fishery due to how and when the Steller sea lion was discovered.	DEAD	DEAD	N/A	1	1	Caught in commercial fishing gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2012067	6/4/2012	2012	Gulf of Alaska	GOA	Unident. Whale	N/A	U	U	AKRO	A news story reported that a man sailing across the Gulf of Alaska was hit by a whale. The news story indicates the sailboat was 24 feet long. There is no reason to believe the collision caused injury to the whale. The vessel's speed is unknown, although the vessel's calculated hull speed is 6.5 knots. It is unlikely the vessel was sailing fast enough to injure the whale.	NSI	NSI	L6c	0	0	Ship strike	
2012062	7/19/2012	2012	Prince William Sound	SCAK	Unident. Whale	N/A	U	U	AKRO	A ship struck an unknown large whale and the vessel operator observed the animal following the strike. There was blood in the water and after the animal dove it was not seen again. This interaction will be prorated using criteria L11 because of a number of unknowns, including vessel specifics and severity of the laceration.	Prorate	Prorate	L11	0.52	0.52	Ship strike	
2012127	8/13/2012	2012	Icy Strait	SEAK	Unident. Whale	N/A	U	U	AKRO	A small anchored charter fishing boat was struck by an unknown whale's flukes. The boat was 28 feet long.	NSI	NSI	L6c	0	0	Ship strike	
OB201345	5/21/2013	2013	Bering Sea	WAK	Bearded Seal	Alaska	U	M	Observer	A male bearded seal was caught and killed by AK BSAI Pacific cod trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pacific Cod trawl	AK BSAI Pacific cod trawl
2013021	5/29/2013	2013	Naknek	WAK	Beluga Whale	Bristol Bay	SA	U	AKRO	A large group of people observed a beluga swim into a king salmon subsistence set net. The beluga became entangled and drowned. The carcass was then recovered by net owner, who butchered the carcass for subsistence purposes. Some samples were also taken. The whale appeared to be a juvenile and had a bluish tint.	SI	DEAD	S7a	1	1	Entangled in king salmon subsistence set net	
OB201344	7/11/2013	2013	Bering Sea	WAK	Beluga Whale	Unknown Stock	SA	U	Observer	A beluga whale was caught and killed by AK BSAI trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
2013081	8/2/2013	2013	Kotzebue	WAK	Harbor Porpoise	Bering Sea	CALF	M	AKRO	A young harbor porpoise was found dead in a fishing net near the mouth of the Noatak River in Kotzebue Sound. The carcass was in good condition and was fairly fresh so it was shipped to Anchorage for necropsy. The necropsy revealed the animal most likely drowned in the net.	DEAD	DEAD	N/A	1	1	Entangled in unknown commercial salmon fishery	
2013060	7/14/2013	2013	Kenai	SCAK	Harbor Porpoise	Gulf of Alaska	SA	F	AKRO	A fishing vessel caught a harbor porpoise in a drift gillnet. The carcass was found in the net and frozen for future necropsy. The necropsy showed that the cause of death was drowning.	DEAD	DEAD	N/A	1	1	Entangled in commercial salmon drift gillnet	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
AMMOP2013 02	7/8/2013	2013	LeConte Bay	SEAK	Harbor Porpoise	SE Alaska	U	U	AMMOP	A harbor porpoise was entangled repeatedly in a salmon drift gillnet. It had a deep laceration on its fluke and some smaller lacerations on its lower jaw and pectoral fin. It was cut free and no gear remained. When it was finally released it swam away strongly. This interaction will be considered under criteria S7b (case specific injury value). Although the lacerations alone would not be considered serious, the entire interaction is considered a serious injury because 1) the animal was entangled repeatedly, 2) it was lifted out of the water by its tail fluke, and 3) this species is known to be sensitive to capture myopathy during handling/entanglements. As with criterion S4 (animal brought on deck of vessel; a serious injury), lifting porpoises out of the water by their tail fluke would cause substantial stress to the individual and subjects the individual to a high risk of later death due to capture myopathy or hidden injuries.	SI	SI	S7b	1	1	Caught in SEAK salmon drift gillnet	SEAK salmon drift gillnet
AMMOP2013 01	7/9/2013	2013	Petersburg	SEAK	Harbor Porpoise	SE Alaska	U	U	AMMOP	The observer reported a porpoise was briefly entangled in a salmon drift gillnet before the permit holder was able to free the animal. The animal was released quickly, without apparent injury, and was not trailing gear.	SI	NSI	S7b	1	0	Caught in SEAK salmon drift gillnet	SEAK salmon drift gillnet
AMMOP2013 04	7/31/2013	2013	Zarembo Island	SEAK	Harbor Porpoise	SE Alaska	U	U	AMMOP	A harbor porpoise became entangled in a salmon drift gillnet. The harbor porpoise was released after a couple minutes and was reportedly able to breathe at the surface during this time. It became re-entangled but was successfully disentangled without any apparent injury to the observer. It swam away rapidly, free of gear. This interaction qualifies as S7b (case specific injury value). Given the lack of any apparent injury, the conditions of entanglement, and the short entanglement period this is considered a non-serious injury.	SI	NSI	S7b	1	0	Caught in SEAK salmon drift gillnet	SEAK salmon drift gillnet
AMMOP2013 03	8/26/2013	2013	Zarembo Island	SEAK	Harbor Porpoise	SE Alaska	U	U	AMMOP	A harbor porpoise was entangled in a SEAK salmon drift gillnet. The porpoise was pulled most of the way out the water, cut free, and reportedly swam away free of gear. No large lacerations were observed and observer believed any injuries were minimal. This interaction will be considered criteria S7b (case specific injury value). Although the lacerations alone would not be considered serious, the entire interaction is considered a serious injury because 1) it was lifted out of the water, 2) this species is known to be sensitive to capture myopathy during handling/entanglements. As with criterion S4 (animal brought on deck of vessel; a serious injury), lifting porpoises out of the water by their tail fin would cause "substantial stress to the individual and subjects the individual to a high risk of later death due to capture myopathy or hidden injuries.	SI	SI	S7b	1	1	Caught in SEAK salmon drift gillnet	SEAK salmon drift gillnet

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
OB201361	3/23/2013	2013	Gulf of Alaska	GOA	Harbor Seal	Undet.	A	F	Observer	An observer reported that a female harbor seal was caught and killed by AK GOA flatfish trawl gear. A subsequent review of photos and the snout were inconclusive, but species identification was confirmed by genetics.	DEAD	DEAD	N/A	1	1	Caught in AK GOA flatfish trawl	AK GOA flatfish trawl
OB201363	4/8/2013	2013	Gulf of Alaska	GOA	Harbor Seal	Undet.	U	U	Observer	An observer reported a harbor seal was caught and killed by AK GOA flatfish trawl gear. A review of photos and the snout were inconclusive, but species identification was confirmed by genetics.	DEAD	DEAD	N/A	1	1	Caught in AK GOA flatfish Trawl	AK GOA flatfish trawl
2013022	6/4/2013	2013	Tyonek	SCAK	Harbor Seal	Undet.	PUP	M	AKRO	A male neonate harbor seal was observed alive near Shirleyville / Tyonek. Shortly after initial observation it died. The animal was necropsied the next day and it was determined that the seal had been shot in the back of the head and there was bruising observed in the lumbar and hip areas.	SI	DEAD	P9	1	1	Shot	
MMD13-02	5/22/2013	2013	Chilkat Inlet	SEAK	Humpback Whale	Central North Pacific	U	U	Disentangle ment Network Database	A humpback whale was observed trailing line and a buoy in Chilkat Inlet near Haines. No response was mounted and no other information is available. Given evidence of entanglement and the lack of additional information this interaction will be prorated using criteria L10.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	
2013026	6/8/2013	2013	Juneau	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A 30 foot vessel was underway at 20-25 mph. Suddenly the operator saw a whale's fluke right off the bow. Despite swerving and decreasing speed, the operator felt and heard the vessel make contact with the whale. The operator saw the whale a couple minutes later and it appeared to be breathing normally and did not have any evident injuries. This interaction will be prorated using criteria L7b, since speed decreased before impact but it is unknown whether speed was greater than ten knots.	Prorate	Prorate	L7b	0.14	0.14	Ship strike	
2013035	6/13/2013	2013	Pt. Adolphus	SEAK	Humpback Whale	Central North Pacific	A	U	AKRO	A charter vessel was whale watching in the midst of 15 feeding whales when it was struck hard by a whale from below. The boat was adrift and the motor was off. The passengers and crew fell to the deck following the strike. The whale may have been observed after the collision, but it cannot be certain the whale observed was the same whale that collided with the boat. The boat was lifted several feet out of the water, but there was no damage to the boat. Because the vessel was not underway this is a non-serious injury using criteria L6c.	NSI	NSI	L6c	0	0	Ship strike	
2013034	6/20/2013	2013	Kuiu Island	SEAK	Humpback Whale	Central North Pacific	SA	U	AKRO	A vessel pulled into Washington Bay at approximately 5:00 pm and the occupants noted a juvenile humpback thrashing around. It appeared to be entangled in netting wrapped around its fluke and tailstock. The whale appeared to be rubbing against rocks at the time of the sighting and was gone the next morning. Given the evidence of entanglement and lack of additional information this interaction is prorated using criteria L10.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2013040	6/25/2013	2013	Gustavus	SEAK	Humpback Whale	Central North Pacific	A	U	AKRO	A captain and owner of a fishing vessel reported an incident where three humpback whales swam through and broke off a set of his trolling gear. A Glacier Bay National Park biologist was surveying that area the same day and believed the whales to be #535, #235, and #465. The reporting party was unable to confirm whether whales were actually entangled. A subsequent observation of suspected whales provided no evidence of entanglements. This interaction is a NSI under criteria L4.	NSI	NSI	L4	0	0	Entangled in unspecified trolling gear	
2013061	7/16/2013	2013	Pelican	SEAK	Humpback Whale	Central North Pacific	A	U	AKRO	A vessel operator called the USCG to report a collision with a humpback whale. The reporting party stated that he was traveling at four knots on autopilot when he felt the boat lift out of the water. He then observed a humpback surface ahead of the bow. The reporting party saw no sign of injury and the whale appeared to exhibit normal behavior for two dive cycles. The boat was 56' long. Due to the slow speed of the vessel and lack of any apparent injury to the whale this interaction is classified as a non-serious injury under criteria L6c.	NSI	NSI	L6c	0	0	Ship strike	
2013057	7/17/2013	2013	Haines	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A humpback whale swam into an actively fishing gillnet. The whale could not be disentangled and was hogtied so the fisherman towed the whale back to port and began cutting gear off. A disentanglement team attempted to depart from Juneau, but experienced engine trouble and never arrived. The whale was then released trailing 50-75 feet of gear. As time went on fisherman were able to remove more and more gear from the whale as it rested and ultimately only a little mesh and six to seven corks remained on the whale. This interaction initially qualified as a serious injury, but due to human intervention the severity of the entanglement was reduced and this interaction can be classified under criteria L10 due to a lack of better information.	SI	Prorate	L10	1	0.75	Caught in SEAK salmon drift gillnet	SEAK salmon drift gillnet
2013155	9/1/2013	2013	Petersburg	SEAK	Humpback Whale	Central North Pacific	U	U	AKRO	A number of photos were taken of a concentration of humpback whales observed to be feeding on the surface. Upon review of the photos it was noted that one of the humpback whales was to some extent entangled in a line. The reporting party noted that there was no indication of any animal in distress at the time of the observation. Interaction was prorated using criteria L10 due to a lack of information.	Prorate	Prorate	L10	0.75	0.75	Entangled in unidentified marine debris / gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
MMD-13-05	9/5/2013	2013	Chatham Strait	SEAK	Humpback Whale	Central North Pacific	A	U	Disentanglement Network Database	A humpback whale was originally entangled on 8/23/2013 near Haines in gillnet. The whale was cut away with gear remaining. Numerous disentanglement attempts were made in subsequent weeks with varying success. The last time the whale was observed on 9/5/2013 a likely life threatening gear configuration remained. The last observed configuration showed a bridle style entanglement with 24 fathoms of trailing gear. This is considered a serious injury under category L2 due to amount of gear and observed tail distortion on the animal.**Note: this interaction was originally recorded by an AMMOP observer - however, the whale disentanglement network database provided weeks' worth of follow up information on the entanglement.	SI	SI	L2	1	1	Caught in SEAK salmon drift gillnet	SEAK salmon drift gillnet
2013008	4/15/2013	2013	Kodiak	Kodiak	Humpback Whale	Western North Pacific / Central North Pacific	U	U	AKRO	A humpback whale became entangled in an anchor cable of a commercial mechanical cod jigging vessel that was anchored for the night. The crew discovered the dead humpback the next morning. The whale was cut loose and one photo was taken. This photo shows the anchor cable wrapped and knotted around the flukes and tail stock multiple times.	DEAD	DEAD	L2	1	1	Entangled in ground tackle	
2013039	6/19/2013	2013	Kodiak	Kodiak	Humpback Whale	Western North Pacific / Central North Pacific	U	U	AKRO	A couple was fishing for halibut in their 22 foot boat near Kodiak. The boat was at anchor and the motor was off. A whale was initially observed about 300 yards away. Shortly afterwards a whale surfaced immediately beneath the boat. The boat was lifted out of the water and the halibut lines then began to stream out as the whale submerged. The lines were cut. There was damage reported to the boats prop and a 4" piece of black skin was found on the vessels keel. The interaction was determined to result in a non-serious injury using criteria L6c and L5b. L4 could also be considered to be a secondary injury criteria.	NSI	NSI	L6c	0	0	Ship strike	
OB201340	7/5/2013	2013	Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	A	M	Observer	A killer whale was caught in the opening of a net during an AK BSAI flatfish trawl. The whale was thought to be a male. The net's webbing was cut away, but some still remained around the animal's dorsal fin and tail. After being freed the whale remained on the surface for a while, appearing shook up, and then swam off in the direction of the other killer whales. It is unknown whether the killer whale was brought on deck, but it was brought up in the haul and out of the water. The closest criteria is S4, a serious injury. Whale was also noted to be acting unusual at the surface following the interaction.	SI	SI	S4	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
OB201341	7/16/2013	2013	Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	CALF	U	Observer	A small orca was caught during an AK BSAI flatfish trawl. The whale was reportedly cut free from the net and pushed down the trawl ramp and into the water. The observer said the entire interaction only lasted a few minutes. The whale reportedly swam off and rejoined the pod - no gear remained on the whale and the whale seemed fine. Classified as serious injury using criteria S4.	SI	SI	S4	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
2013038	6/23/2013	2013	St. George	WAK	Northern Fur Seal	Eastern Pacific	A	M	AKRO	A six to seven year old northern fur seal was observed with a circumferential neck entanglement at the St. George harbor. The animal could not be disentangled.	SI	SI	P8a	1	1	circumferential entanglement - unknown material / marine debris	
OB201360	5/14/2013	2013	Bering Sea	WAK	Ringed Seal	Alaska	U	M	Observer	A male ringed seal was caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201364	5/21/2013	2013	Bering Sea	WAK	Ringed Seal	Alaska	U	U	Observer	A ringed seal was caught and killed by AK BSAI flatfish trawl gear. The animal's species identification was confirmed by genetics.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201381	5/21/2013	2013	N/A	WAK	Ringed Seal	Alaska	U	U	Observer	Two seals were caught by AK BSAI flatfish trawl gear. Both were reported by the observer to be 'previously dead.' Per Jim Thomason one of the seals was identified as a ringed seal and was determined to be killed by gear. The other seal remains classified as unidentified and previously dead.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
2013126	11/21/2013	2013	Hooper Bay	WAK	Ringed seal	Alaska	SA	M	AKRO	This young ringed seal was systemically ill and euthanized. The animal appeared to have symptoms matching those of the recent unusual mortality event (UME). Not being counted as a human caused mortality.	ALIVE	DEAD	N/A	0	0	Euthanasia by gunshot due to UME symptoms	
OB201343	6/22/2013	2013	Gulf of Alaska	GOA	Sperm Whale	North Pacific	U	U	Observer	A sperm whale made contact with longline gear and the line tightened towards the whale. The whale dove and the line broke. The observer did not see any entanglement and it was unknown whether the whale was injured. This interaction is prorated at L10 because of lack of conclusive information regarding the entanglement and interaction with gear.	Prorate	Prorate	L10	0.75	0.75	Entangled in AK GOA sablefish longline gear	AK GOA sablefish longline
OB201342	8/12/2013	2013	Gulf of Alaska	GOA	Sperm Whale	North Pacific	U	U	Observer	A sperm whale was reported to be entangled in some AK GOA Sablefish longline gear. The observer reported that the whale then appeared to free itself. In all, 8.2 segments of gear and an anchor were lost as a result of the interaction. This interaction is prorated at L10 due to some degree of uncertainty regarding remaining gear.	Prorate	Prorate	L10	0.75	0.75	Entangled in AK GOA sablefish longline gear	AK GOA sablefish longline
NW-2013-1152550	1/26/2013	2013	Ocean Shores	WA	Steller Sea Lion	Eastern US	A	F	NWRO	A dead adult female Steller sea lion was found in Ocean Shores, WA. A necropsy confirmed that the animal was shot.	DEAD	DEAD	P9	1	1	Shot	
NW-2013-1152423	2/6/2013	2013	Moclips	WA	Steller Sea Lion	Eastern US	A	F	NWRO	A dead adult female Steller sea lion was found in Moclips, WA. A necropsy confirmed that the animal was shot.	DEAD	DEAD	P9	1	1	Shot	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
NW-2013-1148482	2/20/2013	2013	Longview	WA	Steller Sea Lion	Eastern US	A	M	NWRO	A dead adult male Steller sea lion was found in Longview, WA. A necropsy confirmed that the animal was shot.	DEAD	DEAD	P9	1	1	Shot	
NW-2013-1149239	3/7/2013	2013	Portland	OR	Steller Sea Lion	Eastern US	A	M	NWRO	A dead adult male Steller sea lion was found in Portland, OR. A necropsy confirmed that the animal was shot.	DEAD	DEAD	P9	1	1	Shot	
NW-2013-1149229	3/24/2013	2013	Gearhart	OR	Steller Sea Lion	Eastern US	SA	M	NWRO	A dead subadult male Steller sea lion was found in Gearhart, OR. A necropsy confirmed that the animal was shot.	DEAD	DEAD	P9	1	1	Shot	
NW-2013-1149232	3/28/2013	2013	Warrenton	OR	Steller Sea Lion	Eastern US	SA	U	NWRO	A dead subadult Steller sea lion was found in Warrenton, OR. A necropsy confirmed that the animal was shot.	DEAD	DEAD	P9	1	1	Shot	
NW-2013-1152510	4/5/2013	2013	Westport	WA	Steller Sea Lion	Eastern US	SA	M	NWRO	A dead subadult male Steller sea lion was found in Westport, WA. A necropsy confirmed that the animal was shot.	DEAD	DEAD	P9	1	1	Shot	
NW-2013-1149202	4/11/2013	2013	Florence	OR	Steller Sea Lion	Eastern US	A	F	NWRO	An adult female Steller sea lion was seen in Florence, OR. The animal had a flasher hanging from its mouth. No further information is available.	SI	SI	P2	1	1	Swallowed troll gear	
NW-2013-1155069	4/29/2013	2013	Seaview	WA	Steller Sea Lion	Eastern US	P	M	NWRO	A dead male Steller sea lion pup was found in Seaview, WA. A necropsy confirmed that the animal was shot.	DEAD	DEAD	P9	1	1	Shot	
NW-2013-1155461	5/7/2013	2013	Seaside	OR	Steller Sea Lion	Eastern US	SA	F	NWRO	A dead subadult female Steller sea lion was found in Seaside, OR. A necropsy confirmed that the animal was shot.	DEAD	DEAD	P9	1	1	Shot	
NW-2013-1155074	5/17/2013	2013	Gearhart	OR	Steller Sea Lion	Eastern US	A	F	NWRO	A dead adult female Steller sea lion was found in Gearhart, OR. A necropsy confirmed that the animal was shot.	DEAD	DEAD	P9	1	1	Shot	
NW-2013-1155030	6/9/2013	2013	Warrenton	OR	Steller Sea Lion	Eastern US	A	M	NWRO	A dead adult male Steller sea lion was found in Warrenton, OR. A necropsy confirmed that the animal was shot.	DEAD	DEAD	P9	1	1	Shot	
2013029	6/11/2013	2013	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	U	M	AKRO	A biologist saw a Steller's sea lion with a silver flasher with red stripes hanging from its mouth on 6/11/2013 and at the same location on 6/13/2013. The animal looked lethargic. The injury is considered serious using criteria P2.	SI	SI	P2	1	1	Swallowed troll gear	
NW-2013-1155464	6/17/2013	2013	Milwaukie	OR	Steller Sea Lion	Eastern US	A	M	NWRO	A dead adult male Steller sea lion was found in Milwaukie, OR. A necropsy confirmed that the animal was shot.	DEAD	DEAD	P9	1	1	Shot	
2013051	7/10/2013	2013	Gustavus	SEAK	Steller Sea Lion	Eastern US	A	U	AKRO	A park ranger saw a Steller sea lion with a flasher in its mouth hauled out on South Marble Island. The flasher was close to the animal's mouth and monofilament was hanging down over the animal's chest. He saw what may have been the same animal in what appeared to be bad shape the next day. This interaction is considered a serious injury under criteria P2.	SI	SI	P2	1	1	Swallowed troll gear	

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2013050	7/11/2013	2013	Gustavus	SEAK	Steller Sea Lion	Eastern US	A	M	AKRO	An adult Steller sea lion was reported to be hauled out with a flasher in its mouth. The reporting party mentioned the animal appeared to be in bad shape. This interaction is considered a serious injury under criteria P2.	SI	SI	P2	1	1	Swallowed troll gear	
NW-2013-1155467	8/7/2013	2013	Seaview	WA	Steller Sea Lion	Eastern US	A	M	NWRO	A dead adult male Steller sea lion was found in Seaview, WA. A necropsy confirmed that the animal shot.	DEAD	DEAD	P9	1	1	Shot	
NW-2013-1155470	8/18/2013	2013	Manzanita	OR	Steller Sea Lion	Eastern US	A	M	NWRO	A dead adult male Steller sea lion was found in Manzanita, OR. A necropsy confirmed that animal was shot.	DEAD	DEAD	P9	1	1	Shot	
NW-2013-1155472	8/26/2013	2013	Seaside	OR	Steller Sea Lion	Eastern US	A	M	NWRO	A dead adult male Steller sea lion was found in Seaside, OR. A necropsy confirmed that the animal was shot.	DEAD	DEAD	P9	1	1	Shot	
NW-2013-1155476	9/7/2013	2013	Long Beach	WA	Steller Sea Lion	Eastern US	PUP	M	NWRO	A dead male Steller sea lion pup was found in Long Beach, WA. Necropsy confirmed that animal was shot.	DEAD	DEAD	P9	1	1	Shot	
NW-2013-1151405	9/8/2013	2013	Neah Bay	WA	Steller Sea Lion	Eastern US	A	M	NWRO	A dead adult male Steller sea lion was found in Neah Bay, WA. The animal was badly decomposed and no necropsy was conducted, however, the discovering team noted a fishing line coming out of the animals mouth and found a fish hook embedded in the animals tongue.	DEAD	DEAD	N/A	1	1	Swallowed troll gear	
NW-2013-1155133	9/9/2013	2013	Florence	OR	Steller Sea Lion	Eastern US	A	F	NWRO	An adult female Steller sea lion was observed near Florence, OR. The animal was observed hauled out on rock for five days straight. A salmon flasher was observed hanging from the animal's mouth. Considered a serious injury under criteria P2.	SI	SI	P2	1	1	Swallowed troll gear	
OB20130913	9/13/2013	2013	Pacific Ocean	OR	Steller Sea Lion	Eastern US	U	F	Observer	A Steller sea lion was killed by fishery gear. The interaction information is from NORPAC database and was not provided by Jeff Breiwick due to the location of this interaction.	DEAD	DEAD	N/A	1	1	Caught in unknown fishery gear	
NW-2013-1155039	9/30/2013	2013	Yachats	OR	Steller Sea Lion	Eastern US	A	F	NWRO	A dead adult female Steller sea lion was found in Yachats, OR. No necropsy was conducted, but the reporting party noted an apparent bullet wound in right shoulder penetrating into dorsal thorax.	DEAD	DEAD	P9	1	1	Shot	
OB2013117	11/7/2013	2013	Pacific Ocean	OR	Steller Sea Lion	Eastern US	U	U	Observer	A Steller sea lion killed by fishery gear. Interaction information is from NORPAC database and was not provided by Jeff Breiwick due to the location of this interaction.	DEAD	DEAD	N/A	1	1	Caught in unknown fishery gear	
OB201348	1/22/2013	2013	Bering Sea	WAK	Steller Sea Lion	Western US	U	M	Observer	A male Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201349	2/2/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
OB201347	2/6/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
OB201346	2/20/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	A	M	Observer	A male Steller sea lion was caught and killed by AK BSAI Pacific cod trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pacific cod trawl	AK BSAI Pacific cod trawl
OB201350	5/28/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201351	5/28/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201352	5/31/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	A	U	Observer	A Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201353	6/12/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	U	Observer	A Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201354	6/13/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	M	Observer	A Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
2013033	6/18/2013	2013	Prince William Sound	SCAK	Steller Sea Lion	Western US	A	U	AKRO	There were reports received of an adult Steller sea lion that was hauled out on a buoy in Prince William Sound with an arrow in its muzzle. The wound was reported to be possibly infected. No response was mounted. Injury considered serious using criteria P9.	SI	SI	P9	1	1	Arrow in muzzle	
OB201355	6/28/2013	2013	Bering Sea	WAK	Steller Sea Lion	Western US	U	F	Observer	A female Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
OB201356	8/15/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	M	Observer	A male Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
2013146	8/29/2013	2013	Kodiak	Kodiak	Steller Sea Lion	Western US	A	F	AKRO	An adult female Steller sea lion was found dead in an aquaculture facility's egg-take barrier net. Hatchery personnel contacted Kate Wynne who was able to examine the sea lion several days later. The dead sea lion was noted to be in prime condition and was lactating.	DEAD	DEAD	N/A	1	1	Entangled in aquaculture facility net	
OB201357	9/5/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	F	Observer	A female Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI pollock trawl	AK BSAI pollock trawl
OB201358	11/3/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	U	F	Observer	A female Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI flatfish trawl	AK BSAI flatfish trawl
OB201362	2/23/2013	2013	Eastern Bering Sea	WAK	Unident. Pinniped	N/A	U	U	Observer	An observer reported that a harbor seal was caught and killed by AK BSAI Pacific cod trawl gear. A review of photos at NMML was resulted in a change to species identification to unidentified pinniped.	DEAD	DEAD	N/A	1	1	Caught in AK BSAI Pacific cod trawl	AK BSAI Pacific cod trawl

Appendix Table 1-7. -- Continued.

Animal ID	Date	Year	Location	Area	Common Name	Stock	Age	Sex	Source of Information	NMML Determination Details	Initial Assessment NSI, SI, DEAD, CBD	Final Determination NSI, SI, DEAD, CBD	SI Criteria Supporting Designation	Initial Prorate Value	Final Prorate value	Cause of Injury	Fishery Name
2013028	6/14/2013	2013	Aleutians	WAK	Unident. Whale	N/A	U	U	AKRO	A container ship reported discovering an unidentified dead whale on the ship's bulbous bow. The reporter believed the strike occurred during the night. The whale was removed by maneuvering the ship. It could not be determined whether the ship killed whale. The report indicated the whale was probably a fin or sei whale.	DEAD	DEAD	N/A	0	0	Ship strike	

Appendix 2

Appendix Tables 2-1 through 2-3 summarize the large cetacean, small cetacean, and pinniped injury categories and criteria, which are copied from Appendix Tables 1-3 in the “Guidelines for Distinguishing Serious from Non-Serious Injury of Marine Mammals Pursuant to the Marine Mammal Protection Act” (NMFS 2012b). (Available at: <http://www.nmfs.noaa.gov/op/pds/documents/02/238/02-238-01.pdf>).

Appendix Table 2-1: Summary of Large Cetacean Injury Categories and Criteria

Appendix Table 2-2: Summary of Small Cetacean Injury Categories and Criteria

Appendix Table 2-3: Summary of Pinniped Injury Categories and Criteria

Appendix Table 2-1 -- Summary of large cetacean¹ injury categories and criteria.

Instructions: Each large cetacean injury event is recorded to the appropriate injury/information category using all available information and scientific judgment, as described in the Procedural Directive Criteria L10 - L12 accommodate events that lack details necessary for assignment to a more specific category. For a single injury event to which several categories apply, the injury determination with the highest level of severity is assigned. More detailed information or extended observation on an individual case/animal may justify a determination differing from the guidance of this table. An animal that is fully disentangled would generally be considered not seriously injured, unless there is additional evidence of a serious injury. Any injury leading to apparent significant health decline (e.g., skin discoloration, lesions near the nares, fat loss, increased cyamid loads) is a serious injury.

Category	Injury/ Information	Injury Determination	Criteria
L1	Ingested gear ² or hook(s)	SI ³	Swallowed, not simply draped through mouth
L2	Constricting wrap	SI	Tightly wrapped line anywhere on body that indents the skin or does not shift with whale's movement, or line that is likely to become constricting as the whale grows. Indication that a whale that is heavily weighted, anchored or has a discolored appendage is sufficient evidence of constricting gear
L3	Loose wrap, bridled or draped gear	NSI ⁴	Loosely wrapped gear that moves or shifts freely with whale's movement. Absence of constricting gear must be confirmed
L4	External hook	NSI	Fishing hook of any size on any part of the body (i.e., not ingested)
L5a	Deep laceration ⁵	SI	Laceration with the potential to affect major artery (e.g., laceration or severing at insertion of flipper/fluke), penetrating body cavity, or cutting bone
L5b	Superficial laceration	NSI	Laceration not deeper than blubber layer, does not affect major artery, or cut bone
L6a	Vessel much greater in size than whale or vessel $\geq 65'$ and >10 knots	SI	Struck by vessel much greater in size than the whale and traveling greater than 10 knots, or struck by vessel equal or greater than 65' and traveling greater than 10 knots, and no information on injury to the whale
L6b	Vessel smaller in size than whale or vessel $<65'$ and >10 knots	Prorate ⁶ : 0.20	Struck by vessel smaller in size than the whale and traveling greater than 10 knots, or struck by vessel less than 65' and traveling greater than 10 knots, and no information on injury to the whale. A strike to a calf by a vessel of any size and traveling greater than 10 knots will be considered a serious injury

¹ For the purposes of this table, "large cetaceans" include all mysticetes and sperm whales.

² For the purposes of this table, "gear" is defined as any portion of fishing gear excluding the hook, which is considered separately.

³ SI = Serious Injury.

⁴ NSI = Non-Serious Injury.

⁵ For the purposes of this table, "laceration" is defined as a ragged incision or a tearing of the skin. Lacerations are caused by trauma that results in stretching, tearing, crushing, shearing, or avulsion of the tissue. Trauma, including blunt and sharp force trauma, includes a wound or bodily harm caused by an extrinsic agent.

⁶ "Prorate" means the number of events assigned to a given category within the assessment period is multiplied by the prorate number provided for that category.

Appendix Table 2-1. -- Cont.

L6c	Vessel any size ≤ 10 knots	NSI	Struck by vessel of any size traveling at equal or less than 10 knots and no information on injury to the whale
L7a	Vessel much greater in size than whale or vessel $\geq 65'$ and speed unknown	Prorate: 0.56	Struck by vessel much greater in size than the whale traveling at an unknown speed, or struck by vessel equal or greater than 65' and traveling at unknown speed, and no information on injury to the whale. A strike to a calf by a vessel of any size when speed is unknown will be considered a serious injury
L7b	Vessel smaller in size than whale or vessel $< 65'$ and speed unknown	Prorate: 0.14	Struck by vessel smaller than the whale traveling at an unknown speed, or struck by vessel less than 65' and traveling at unknown speed, and no information on injury to the whale. A strike to a calf by a vessel of any size when speed is unknown will be considered a serious injury
L8	Dependent ⁷	SI	Dependent calf of a dead or seriously injured mother
L9	Brought on deck	SI	Whale removed from water and brought on deck
L10	Evidence of entanglement	Prorate: 0.75	Confirmed entanglement but insufficient information available to place in any of the L1-L4 criteria with a high degree of certainty
L11	Vessel strike laceration	Prorate: 0.52	Whale confirmed with non-entanglement related laceration but lacking details to place in either criteria L5a or L5b with a high degree of certainty. Includes observation of blood in water
L12	Vessel strike observed	Prorate: 0.36	Confirmed vessel strike report where there is insufficient detail to assign event to criteria L6a – L7b with a high degree of certainty. A strike to a calf by a vessel of unknown size traveling at an unknown speed will be considered a serious injury

⁷ “Dependent” for a large cetacean means a non-weaned calf. Weaned calves and juvenile large cetaceans are no longer dependent on their mothers.

Appendix Table 2-2. -- Summary of small cetacean¹ injury categories and criteria.

Instructions: Each small cetacean injury event is recorded to the appropriate injury/information category using all available information and scientific judgment, as described in the Procedural Directive. For a single injury event to which several categories apply, the injury determination with the highest level of severity is assigned. More detailed information or extended observation on an individual case/animal may justify a determination differing from the guidance of this table. Any injury leading to apparent significant health decline (e.g., skin discoloration, fat loss) is a serious injury.			
Category	Injury/Information	Injury Determination ²	Additional factors for evaluating whether “case specific” injuries are serious or non-serious (additional factors at end of table) *
S1	A free-swimming animal observed at a date later than its human interaction, exhibiting signs of declining health believed to be resulting from initial injury (e.g., a marked skin discoloration, fat loss)	SI ³	
S2	Ingested gear ⁴ or hook(s)	SI	
S3	Visible blood loss	Case specific ⁵	Amount of blood, location of the bleeding injury, duration of bleeding
S4	Animal brought on vessel deck following entanglement/entrapment (excluding scientific research targeting marine mammals and authorized as such under a NMFS scientific research permit, where the animal is brought on and placed on the vessel deck in a controlled manner)	SI	
S5a	Hook(s) in head (excluding criterion S5b), regardless of the presence of gear	SI	
S5b	Hook(s) confirmed in lip only, external tissue outside of teeth, no trailing gear	Case specific	Prolonged restraint or struggle that could lead to capture myopathy, size of hook, depth of hooking, impairing ability to feed, presence of other injuries
S5c	Hook(s) in any body part, but hook(s) is removed or pulls out	Case specific	Prolonged restraint or struggle that could lead to capture myopathy, depth of hook, hook pulls out cleanly vs. causes further injury during dehooking, method used to remove hook, length of time hooked
S5d	Hook(s) in appendage or body (excluding criterion S5a), without trailing gear or with trailing gear that does not have the potential ⁶ to: 1) become a constricting wrap on animal; 2) be ingested; 3) accumulate drag; or 4) become snagged on something in the environment, anchoring the animal	Case specific	Prolonged restraint or struggle that could lead to capture myopathy, depth and location of hook, type and amount of gear attached

¹ For the purposes of this table, small cetaceans include all odontocetes except sperm whales.

² This table includes on only those criteria determined to be serious injuries or case specific based on expert opinion at the 2007 Workshop (Andersen *et al.*, 2008) and by small cetacean experts on the NMFS Determination Staff working group. For the purposes of streamlining the information for the reader, criteria determined to be non-serious injuries are not included in this table.

³ SI = serious injury.

⁴ For the purposes of this table, gear is defined as any portion of fishing gear excluding the hook, which is considered separately. Lures are considered gear. Gear also generally refers to any type of debris entangling or attached to the animal.

⁵ Case specific = Could be a serious or non-serious injury, but either 1) there is insufficient information about the impact of a particular injury, or 2) additional factors must be considered on a case-by-case basis to determine the severity

⁶ For the purposes of this table, “potential” as it relates criterion S5d indicates that the trailing gear IS NOT capable of leading to any of the situations listed.

Appendix Table 2-2. -- Cont.

S6	Gear attached to free-swimming animal with potential ⁷ to: 1) become a constricting wrap on animal; 2) be ingested; 3) accumulate drag; or 4) become snagged on something in the environment, anchoring the animal	SI	
S7a	Anchored, immobilized, or entrapped and not freed	SI	
S7b	Anchored, immobilized, entangled, or entrapped before being freed without gear attached	Case specific	Duration of entanglement/entrapment, prolonged restraint or struggle that could lead to capture myopathy, gear type, where/how gear is attached to animal, associated injury (i.e., where directly or indirectly caused by initial entanglement), response of individual animal, method used by human to remove gear from animal
S8a	Gear wrapped and constricting on any body part or is likely to become constricting as the animal moves or grows	SI	
S8b	Gear wrapped and loose on any body part	Case specific	Gear type, amount of gear, potential for snag, potential to lead to criterion S8a, animal body size relative to gear (e.g., because of species or age), effect on animal movement, species sensitivity (e.g., frightens easily)
S9	Body trauma ⁸ not covered by any other criteria	Case specific	Location of wound, depth (e.g., superficial or to the bone, penetrating muscle or organs), length, number of lacerations, cleanliness (i.e., compression vs. tearing)
S10	Visible fracture(s), excluding pectoral fins (see criterion S13d for pectoral fin fractures)	SI	
S11	Vertebral transection, including fully severed flukes	SI	
S12	Body cavity penetration ⁹ by foreign object or body cavity exposure	SI	
S13a	Loss or disfigurement of dorsal fin	Case specific	Cleanliness (i.e., compression vs. tearing), nature of injury causing the loss, extent of fin loss (i.e., full or partial), amount and duration of blood loss
S13b	Partially severed flukes, transecting midline	SI	

⁷ For the purposes of this table, potential as it relates criterion S6 indicates that the trailing gear IS capable of leading to any of the situations listed.

⁸ For the purposes of this table, “trauma” is defined as a wound or bodily harm caused by an extrinsic agent. Blunt trauma is an injury (abrasion, laceration, contusion or skeletal fracture) produced by a blunt object striking the body or impact of the body against a blunt object or surface. Sharp force trauma is an injury caused by a sharp or pointed object creating a penetrating (stab, chop or incision) wound. Laceration is defined as a ragged incision or a tearing of the skin. Lacerations are caused by blunt trauma that results in stretching, tearing, crushing, shearing, or avulsion of the tissue.

⁹ For the purposes of this table, “penetration” is defined as a wound occurring when a foreign object punctures the body. Penetrating wounds can be characterized as one of three types: stab (small external wound that is greater in length into the body than is apparent on the skin surface), incised (clean cuts into the skin which are longer on the skin surface than they are deep), or chop wounds (incised wounds that penetrate deep to the bone, leaving a groove or cut in the bone).

Appendix Table 2-2. -- Cont.

S13c	Partially severed flukes, not transecting midline	Case specific	Cleanliness (i.e., compression vs. tearing), nature of injury causing the loss, amount and duration of blood loss
S13d	Partially or completely severed or fractured pectoral fin(s)	Case specific	Cleanliness (i.e., compression vs. tearing), nature of injury causing the loss, extent of fin loss (i.e., full or partial), amount and duration of blood loss, opened or closed fracture
S14	Social animal separated from group and/or released alone post-interaction (excluding criterion S15)	Case specific	Species (e.g., sensitivity, offshore vs. inshore), location of release (e.g., likelihood of animal locating its conspecifics)
S15	Dependent animal (i.e., calf, juvenile) released alone post-interaction or dependent animal left with a seriously injured or dead mother	SI	
S16	Observed or reported collision with vessel	Case specific	Speed of vessel, size of vessel, hull shape, part of vessel to strike the animal, size of animal compared to size of vessel, behavior of animal after collision, extent and location of wound(s) on animal

* Factors listed in the far right column of Appendix Table 2 -2 are unique to the associated injury type. In addition to those listed in this column, the factors that should be considered, if available, when reviewing all case specific injury events in Appendix Table 2-2 include, but are not limited to:

- | | | |
|--|--|--|
| - Species | - Size of injury | - Compounding effects of multiple injuries obtained during a single event |
| - Age or age class (e.g., calf, juvenile, adult) | - Duration of injury (e.g., single event, repeated, chronic) | - Availability of data on multiple sequential events involving the same individual over time |
| - Sex | - Depth of injury (e.g., superficial or to the bone, penetrating muscle or organs) | - Susceptibility of the species to capture myopathy (spinner dolphins and porpoises notoriously sensitive; bottlenose dolphins robust; many others fall in between, with some unknown) |
| - Size of animal | - Cleanliness of injury (e.g., compression, tearing) | - Ability of rehabilitated animal to be released |
| - Overall health (e.g., nutritional status, body condition, pre-existing disease state, pre-existing injuries) | - Environmental condition (e.g., individuals out of their normal habitat, climate stressors) | - Relative effect of blood loss on different species |
| - Behavior during and/or after injury-causing interaction (e.g., dorsal arching, listlessness) | - Social stressors (e.g., social structure of species, separation of social individuals from the group, cow/calf separation) | |
| - Reproductive status (e.g., pregnant, lactating, has dependant calf) | - Cumulative effects of repeated exposures | |
| - Natural history (e.g., indigenous, migratory) | | |
| - Location of injury (e.g., mouth, head, body, fin, tail, internal) | | |

In addition to those factors listed above, the factors that apply to all fishery-interaction related case specific injuries include, but are not limited to:

- | | |
|---|--|
| - Entanglement type (e.g., hooked, anchored, entrapment) | - Habitat where animal is located (e.g., an animal with trailing gear areas of dense gear or an area with vegetation is more likely to risk snagging the gear and becoming anchored) |
| - Amount and size of gear (e.g., size, length and number of branches of line; number of buoys, traps or anchors; volume of netting) | - Entanglement duration |
| - Entanglement constriction (e.g., tight, loose, multiple wraps) | - Existence, type and amount of any trailing gear |
| | - Method of handling the animal during disentanglement |

Appendix Table 2-3. -- Summary of pinniped¹ injury categories and criteria.

<p>Instructions: Each pinniped injury event is recorded to the appropriate injury/information category using all available information and scientific judgment, as described in the Procedural Directive. For a single injury event to which several categories apply, the injury determination with the highest level of severity is assigned. More detailed information or extended observation on an individual case/animal may justify a determination differing from the guidance of this table. Any injury leading to apparent significant health decline (e.g., skin discoloration, fat loss) is a serious injury.</p>			
Category	Injury/Information	Injury Determination ²	Additional factors for evaluating whether “case specific” injuries are serious or non-serious (additional factors at end of table) *
P1	A free-swimming animal observed at a date later than its human interaction, exhibiting signs of declining health believed to be resulting from initial injury (e.g., a marked change in body condition, tissue necrosis, emaciation, gangrene).	SI ³	
P2	Ingested gear ⁴ or hook(s)	SI	
P3	Visible blood loss	Case specific ⁵	Amount of blood, location of the bleeding injury, duration of bleeding
P4	Animal brought on vessel deck following entanglement/entrapment (excluding scientific research targeting marine mammals and authorized as such under a NMFS scientific research permit, where the animal is brought on and placed on the vessel deck in a controlled manner)	Case specific	Manner in which animal is brought on deck, length of time animal is on deck, environmental conditions (e.g., temperature)
P5a	Hook(s) in mouth (excluding criterion P5b), regardless of the presence of gear	SI	
P5b	Hook(s) confirmed in head (excluding criterion P5a), or in lip only (external tissue outside of teeth), no trailing gear	Case specific	Location on head (e.g., eye), depth of penetration, type of hook, prolonged restraint or struggle that could lead to capture myopathy, size of hook, impairing ability to feed
P5c	Hook(s) in any body part, but hook(s) is removed or pulls out	Case specific	Prolonged restraint or struggle that could lead to capture myopathy, location of hooking on the body, depth of hook, hook pulls out cleanly vs. causes further injury during dehooking, method used to remove hook, length of time hooked

¹ For the purposes of this table, pinnipeds include all pinniped species except walrus.

² This table includes on only those criteria determined to be serious injuries or case specific based on expert opinion at the 2007 Workshop (Andersen *et al.*, 2008) and by pinniped experts on the NMFS Determination Staff working group. For the purposes of streamlining the information for the reader, criteria determined to be non-serious injuries are not included in this table.

³ SI = serious injury.

⁴ For the purposes of this table, gear is defined as any portion of fishing gear excluding the hook, which is considered separately. Lures are considered gear. Gear also generally refers to any type of debris entangling or attached to the animal.

⁵ Case specific = Could be a serious or non-serious injury, but either 1) there insufficient information about the impact of a particular injury, or 2) additional factors must be considered on a case-by-case basis to determine the severity.

Appendix Table 2-3. -- Cont.

P5d	Hook(s) in appendage or body (excluding criteria P5a-c and P12), without trailing gear or with trailing gear that does not have the potential ⁶ to: 1) become a constricting wrap on animal; 2) be ingested, 3) accumulate drag; or 4) become snagged on something in the environment, anchoring the animal	NSI ⁷	
P6	Gear attached in any manner to free-swimming animal with potential ⁸ to: 1) become a constricting wrap on animal; 2) be ingested; 3) accumulate drag; or 4) become snagged on something in the environment, anchoring the animal	SI	
P7a	Anchored/immobilized and not freed	SI	
P7b	Anchored, immobilized, or entangled before being freed without gear attached	Case specific	Duration of entanglement, prolonged restraint or struggle that could lead to capture myopathy, type of fishing gear, where/how gear immobilized animal, associated injury (where directly or indirectly caused by initial entanglement), response of individual
P8a	Gear wrapped and constricting any body part or likely to become constricting as the animal moves or grows	SI	
P8b	Gear wrapped loosely on any body part	Case specific	Type and amount of fishing gear, animal body size relative to gear (species, age), effect on movement, species sensitivity
P9	Body trauma ⁹ not covered by any other criteria	Case specific	Location of trauma on body, depth (superficial or to the bone, penetrating muscle or organs) length of laceration(s), number of lacerations, cleanliness (compression vs. tearing), amount and duration of blood loss, risk of infection or disease transmission (e.g., dog bites)
P10	Visible fracture(s), excluding broken appendages (see criterion P13 for broken appendages)	SI	
P11	Vertebral transection or fully severed flipper(s)	SI	
P12	Body cavity penetration ¹⁰ by foreign object or body cavity exposure	SI	

⁶ For the purposes of this table, potential as it relates to criterion P5d indicates that the trailing gear IS NOT capable of leading to any of the situations listed.

⁷ NSI = non-serious injury.

⁸ For the purposes of this table, potential as it relates to criterion P6 indicates that the trailing gear IS capable of leading to any of the situations listed.

⁹ For the purposes of this table, “trauma” is defined as a wound or bodily harm caused by an extrinsic agent. Blunt trauma is an injury (abrasion, laceration, contusion or skeletal fracture) produced by a blunt object striking the body or impact of the body against a blunt object or surface. Sharp force trauma is an injury caused by a sharp or pointed object or a bullet from a gunshot creating a penetrating (stab, chop or incision) wound. Laceration is defined as a ragged incision or a tearing of the skin. Lacerations are caused by blunt trauma that results in stretching, tearing, crushing, shearing, or avulsion of the tissue.

¹⁰ For the purposes of this table, “penetration” is defined as a wound occurring when a foreign object punctures the body, such as a bullet from a gunshot. Penetrating wounds can be characterized as one of three types: stab (small external wound that is greater in length into the body than is apparent on the skin surface), incised (clean cuts into the skin which are longer on the skin surface than they are deep), or chop wounds (incised wounds that penetrate deep to the bone, leaving a groove or cut in the bone).

Appendix Table 2-3. -- Cont.

P13	Partially severed or fractured flipper(s)	Case specific	Cleanliness (clean cut vs. tear), nature of injury causing the loss, extent of fin or flipper loss, opened or closed fracture, dislocation, amount/duration of blood loss
P14	Dependent animal (i.e., pup, juvenile) released alone post-interaction or dependent animal left with a seriously injured or dead mother	SI	
P15	Observed or reported collision with vessel	Case specific	Speed of vessel, size of vessel, hull shape, part of vessel to strike the animal (e.g., propeller, hull), size of animal compared to size of vessel, location of strike on animal's body, extent and location of wound(s) to animal

* Factors listed in the far right column of Appendix Table 2-3 are unique to the associated injury type. In addition to those listed in this column, the factors that should be considered, if available, when reviewing all case specific injury events in Appendix Table 2-3 include, but are not limited to:

- Species
- Age or age class (e.g., calf, juvenile, adult)
- Sex
- Size of animal
- Overall health (e.g., nutritional status, body condition, pre-existing disease state, pre-existing injuries)
- Behavior during and/or after injury-causing interaction (e.g., listlessness)
- Reproductive status (e.g., pregnant, lactating, has dependant pup)
- Natural history (e.g., small home range, large home range)
- Location of injury (e.g., mouth, head, body, flipper/fin, internal)
- Size of injury
- Duration of injury (e.g., single event, repeated, chronic)
- Depth of injury (e.g., superficial or to the bone, penetrating muscle or organs)
- Cleanliness of injury (e.g., compression, tearing)
- Environmental condition (e.g., individuals out of their normal habitat, environmental stressors)
- Social stressors (e.g., social structure of species, separation of social individuals from the group, mother/pup separation)
- Cumulative effects of repeated exposures
- Compounding effects of multiple injuries obtained during a single event
- Availability of data on multiple sequential events involving the same individual over time
- Susceptibility of the species to capture myopathy (some sensitive, others robust, some unknown)
- Ability of rehabilitated animal to be released
- Relative effect of blood loss on different species

In addition to those factors listed above, the factors that apply to all fishery or marine-debris interaction-related case-specific injuries include, but are not limited to:

- Entanglement type (e.g., hooked, anchored, entrapment)
- Amount and size of gear (e.g., size, length and number of lines; number of buoys, traps or anchors; volume of netting; material of gear)
- Method of handling the animal during disentangling
- Entanglement constriction (e.g., tight, loose, multiple wraps)
- Habitat where animal is located (e.g., an animal with trailing gear in areas of dense gear or an area with vegetation or on shore is more likely to risk snagging the gear and becoming anchored)
- Entanglement duration
- Existence, type and amount of any trailing gear

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