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Human-Caused Injury and Mortality of NMFS-managed Alaska Marine Mammal Stocks, 2010-2014

by

V. T. Helker, M. M. Muto, and L. A. Jemison

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
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Alaska Fisheries Science Center

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Abstract

Section 117 of the Marine Mammal Protection Act (MMPA) requires the National Marine Fisheries Service (NMFS) to estimate human-caused marine mammal mortality and serious injury. Data from documented interactions between human activities and pinnipeds or cetaceans belonging to stocks which appear in the Alaska Marine Mammal Stock Assessment Reports (SARs) were compiled for the 5-year period from 2010 through 2014. A total of 818 unique interactions with potential evidence of human-caused mortality or injury were reviewed and are summarized in this report. Details regarding each interaction were assessed for evidence of human-caused injury to the marine mammal and injury severity determinations were made for those injuries likely to be human-caused. Records of mortality are also included in this report, and assigned to source. Injury determination details regarding the injury source, type, severity, and criteria supporting the determination are presented in the appendices. Mortality and injury values were assigned to each interaction for comparison with the potential biological removal (PBR) levels for each stock calculated under the MMPA and appearing within the Alaska SARs.

Contents

Introduction	1
Methods	2
Results	4
Pinnipeds.....	5
Large Cetaceans	6
Small Cetaceans	7
Discussion	7
Acknowledgments	9
Citations	11
Guide to Acronyms and Abbreviations Found in Appendix 1	13
Appendix 1	15
Appendix 2	81

Introduction

The Marine Mammal Protection Act (MMPA, 1972) requires the National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS), to estimate the annual human-caused mortality and serious injury of marine mammal stocks by source (MMPA, section 117) and to classify commercial fisheries based on each fishery's rate of incidental mortality and serious injury of marine mammals (MMPA, section 118). NMFS evaluates the annual level of known human-caused mortality and serious injury for each stock from all sources, including specific commercial fishing operations, relative to the potential biological removal (PBR) levels calculated under the MMPA (Wade 1998). Mortality events are summed, assigned to source, and annual mortality estimates calculated. Assessing the severity of an injury and likelihood that an injury will result in mortality requires information about the biology of the animal, the type and severity of the injury, and the injury source. Thorough examination of human-caused injuries to marine mammals is often not possible because these events often occur in extremely remote areas of Alaska and observed injuries are often not documented in sufficient detail to understand the level of injury severity.

A serious injury is defined in regulations as '*any injury that will likely result in mortality*' (50 CFR 229.2). In order to accurately and consistently estimate the number of serious injuries occurring in each stock, NMFS clarified its definition of 'serious injury' (SI) in 2012, and stated their interpretation of the regulatory definition of serious injury as any injury that is 'more likely than not' to result in mortality, or any injury that presents a greater than 50% chance of death to the marine mammal (77 Federal Register 3233, 23 January 2012; NMFS 2012a). NMFS also established a consistent and transparent process within NMFS for distinguishing non-serious injuries (NSI) from SI and for documenting pertinent information considered in making injury determinations (NMFS 2012a, 2012b). Substantial information is known about the likely outcomes of particular injuries of large whales due to the analysis of historical large whale injuries with known outcomes. This allows NMFS to better estimate, or prorate, the chance that a particular injury is likely to result in mortality. For example, there are 25 records with known outcomes involving large whales which sustained vessel-strike lacerations of unknown severity, and in 13 of these instances (52%) the result was in a decline in health status or death of the animal. These data are then used to inform decision-making in situations where the 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 (NMFS 2012b).

This report consists of records from 2010 through 2014 that were assessed for human-caused mortality or injury of cetaceans and pinnipeds occurring in Alaska and U.S. West Coast waters and assessed within the Alaska Marine Mammal Stock Assessment Reports (SARs). For marine mammal stocks that are assessed in the U.S. Pacific Marine Mammal SARs, but are found injured or dead 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. 2015). Examples of stocks assessed in the U.S. Pacific SARs which range into Alaska waters include the Eastern North Pacific gray whale and the California breeding stock of northern elephant seals, whereas, some stocks which range as far south as California, such as Eastern U.S. stock of Steller sea lions and Eastern Pacific northern fur seals are reported in the Alaska SARs. Mortality and injury data may be reported by marine mammal stranding networks, research programs, fisheries observer programs, and disentanglement networks. Mortality and injury of marine mammals resulting from Alaska Native subsistence hunts is not reported in this document unless circumstances are exceptionally unique but is available in the SARs. Mortality and serious injury data were summarized by stock, source, and year for estimates reported in the 2016 SARs (Muto et al. in prep). All information pertinent to decisions of NSI, SI, or prorated SI is presented in this report.

Methods

Data were acquired primarily from databases and archives maintained by the Alaska Regional Office (AKRO) stranding network, the Alaska Fisheries Science Center (AFSC) fisheries observer program, the West Coast Regional Office (WCRO) stranding network, the Northwest Fisheries Science Center (NWFSC) fisheries observer program, the Alaska Fisheries Science Center (AFSC) observer program, the NMFS Southwest Fisheries Science Center (SWFSC), and the Alaska Department of Fish and Game (ADF&G). Approximately 3,750 human-marine mammal interaction records from 2010 through 2014 were reviewed by an injury determination team at the Marine Mammal Laboratory (MML) for evidence of human-caused mortality or injury to the marine mammal(s) involved in the interaction. All available documentation (reports, emails, images, re-sight information, and necropsy results) was considered to assess interactions, make injury determinations, and attribute mortality and injury to a source. If more information was necessary for a determination we contacted the primary source of information.

Any interaction which met an injury category criteria in NMFS Instruction 02-038-01 (e.g., ingested gear or hook(s), entanglements, ship strikes, lacerations, etc.) was deemed to potentially document a human-caused injury and a summary of all relevant information was recorded as a unique entry in an Access database (NMFS 2012b). Any mortality in which the MML injury determination team was able to confidently assign to a human cause was also summarized and recorded as a unique entry in the database. When multiple records documenting a single instance of human-related mortality or injury were identified the relevant information from each record was consolidated into a single entry within the database. The database allows MML staff to quickly sort and summarize a large number of entries. Primary records, such as Level-A forms, necropsy reports, and imagery were retained for reference. Follow-up information for a previously documented event, such as additional sightings or reports of a decline in health condition, was added to the existing database entry. When dependent calves or pups of injured animals were observed, a separate database entry was added and the offspring were assessed as

unique, but associated, events. Interaction records in which there was no potential for human-caused injury to the marine mammal, such as reports of animals feeding on fishery discards, or interactions that lacked sufficient information to assign an injury to human cause were retained for reference, but excluded from the database and report.

Following the initial review of 3,750 primary records, 818 interaction events were identified as a unique human-caused mortality or injury to a marine mammal and were entered into the database for further assessment and injury determination. These records are summarized in this report (Appendix Table 1-11). Each database entry was evaluated under NMFS' injury determination criteria (NMFS 2012b). Different sets of criteria, specific to 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 interactions fit more than one injury category. In these cases, the most severe injury category was used to determine whether an injury should be considered serious or non-serious. Pinnipeds with gunshot wounds reported to the NMFS AKRO stranding network were assumed to be struck and lost animals associated with the Alaska Native subsistence hunt and were not included in this report, unless there was information which indicated the animals were unlawfully shot. Pinnipeds with gunshot wounds reported to the NMFS WCRO stranding network, such as Eastern U.S. Steller sea lions in Washington, Oregon, or California, were included in this report.

An initial and final injury determination was made for each record included in this report. The initial and final determinations were the same for events in which the animal was dead when first observed or was observed for a brief period of time. Initial and final determinations may differ if an animal was determined to be seriously injured, but over time and through human intervention, its condition was improved. Two examples of situations where initial and final determinations differ include events where disentanglement teams remove gear from humpback whales (assuming there was no evidence of health decline or other injury) or the rehabilitation and release of stranded pinniped pups. In these cases, the final injury determination is reported in the SARs for comparison to PBR while the initial injury determination is used for fisheries-related interactions to classify fisheries in the MMPA List of Fisheries (LOF).

Initial and final injury determinations do not differ in situations where commercial fishermen, or others, release animals from gear in real-time (i.e., at the time of the interaction). In these situations the injury determination is made after the animal is released from the gear and the final injury determination is used when classifying fisheries for the LOF or for comparison to PBR within the SARs (NMFS 2012a). For example, if a humpback became entangled in an active commercial gillnet and was released by fishermen at the time of the interaction and the whale swam away free of gear without any sign of injury (based on observer or stranding program records), the initial and final determinations would be NSI and the same injury determination

would be reflected in the SARs and the LOF. In contrast, if a humpback whale became entangled in an active commercial gillnet and broke free with a portion of gillnet forming a constricting entanglement it would initially be considered a serious injury. However, if an experienced disentanglement team removed all gear from the animal, and there was no other sign of serious injury, the final determination would be NSI. This injury would not be counted in the mortality and serious injury estimates reported in the SARs or compared to PBR since the human intervention activities mitigated the death of the animal. However, for the purposes of categorizing commercial fisheries for the MMPA LOF, the whale would be considered SI and included in the tier analysis for classifying that specific commercial fishery.

Serious injury determinations and assignment to source are discussed and agreed upon by an injury determination team at MML. If necessary, experts at MML are consulted when making determinations. All determinations and assignments are then reviewed by experienced staff at other NMFS Science Centers to ensure determinations are consistent across the Science Centers. The AKRO provided fishery assignments for fisheries-related injuries and mortality for records that were not obtained from a fisheries observer program.

Results

Overall

Of the 818 human-marine mammal interactions summarized in this report, 682 interactions were found to have caused a mortality, SI, or were prorated to reflect the likelihood of serious injury of the marine mammal involved in the interaction. The remaining 136 interactions were found to have resulted in a NSI to the marine mammal or it was determined that there was not enough evidence to assign the mortality or injury to a human source after further review. Across all interactions, 419 entanglement-related SI, prorated SIs, and mortalities were documented. The majority of these entanglements occurred in fishing gear (n = 251) and marine debris (n = 165). Animals hooked by hook and line fishing gear (n = 171), vessel strikes (n = 23), and gunshot wounds in areas other than Alaska (n = 59) comprised the remainder of the confirmed cases of human-caused mortality and injury to Alaska marine mammal stocks appearing in this report.

Of the 308 interaction records in this report provided by the AKRO and WCRO stranding networks, 241 were found to have documented mortality or serious injury to the animal involved in the interaction. The most prevalent causes of mortality and serious injury were entanglements in fishing gear (n = 57), entanglement in marine debris (n = 61), and gunshot injuries (n = 51). Fisheries observers associated with federal groundfish fisheries reported 263 interaction events which were reviewed for mortality and serious injury. The majority of these events resulted in mortality (n = 185), with a relatively small number of serious injuries and prorated serious injuries (n = 17), and 61 non-serious injuries. An additional ~900 observations of Steller sea lion

entanglements and fishery gear interactions, many of which were repeat sightings, were documented and reviewed by the ADF&G 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 observations, 227 incidents of entangled, seriously injured Steller sea lions were determined to be unique animals. Among these records, entanglements in fishing gear and marine debris (n = 106) and fishing gear ingestion (n = 121) were most prevalent.

Pinnipeds

Steller sea lions were the most common species in reports of human-caused mortality and serious injury between 2010 and 2014 (n = 468). The most common cause of serious injuries for the Eastern U.S. stock of Steller sea lions was entanglement in marine debris or fishery gear (n = 165), followed by injuries related to the ingestion of fishery gear from the commercial, charter, and recreational salmon troll fisheries (n = 159). Steller sea lion interactions with troll fishery gear, sometimes referred to as “flashers,” often result in ingestion of the hook. Differentiation between commercial, charter, and recreational troll gear could be made only for a small number of the records of mortality and serious injury associated with flasher ingestion during this 5-year period. Based on 14 years of annual summer surveys of Steller sea lions, the ADF&G documented 12 marked individual Steller sea lions that have interacted with troll fisheries as evidenced by a fishing lure (in this dataset a flasher) present at the edge of the mouth. ADFG has gained information on the fate of some of these 12 animals: 5 were able to liberate themselves from the flasher (presumably by biting through the monofilament line that connects the swallowed hook to the flasher) and survived at least one year beyond the date initially seen with the entanglement. The flasher was not present when these 5 animals were resighted in subsequent years. Of the remaining 7 animals, 1 was found dead on the beach due to the flasher and swallowed hook combination, 1 was shot in a subsistence harvest (rumored to be, in part, a ‘mercy killing’ because the animal appeared emaciated and sickly), and 5 were never sighted again following the flasher entanglement (ADF&G unpubl. data). The ADF&G will attempt to estimate survival of Steller sea lions that have ingested trolling gear using data from 2000 to 2015, provided the sample of marked, entangled individuals is large enough. Internal exams of dead Steller sea lions with flasher entanglements typically revealed a hook lodged in the esophagus, penetrating the pleural cavity or pericardium.

Mortality and serious injury of the Western U.S. stock of Steller sea lions was primarily caused by federal groundfish trawl fisheries (n = 64) which are observed by federal fisheries observers. These interactions typically resulted in mortality (the animal was already dead by the time it was observed) and injuries or serious injuries are rare (Breiwick 2013). Other leading causes of serious injury and mortality are constricting entanglements caused by marine debris (n = 11) and interactions with hook and line fishery gear (n = 10). The differences in the leading causes of serious injury and mortality between the Eastern U.S. and Western U.S. stock of Steller sea lions

may be due to the geographical distribution of troll fishery effort, which is much higher in Southeast Alaska than in any other part of the state. It is unknown whether differences in reported entanglement numbers for each stock are due to lower actual entanglement rates in the Western U.S. stock of Steller sea lions, or the result of other factors which result in fewer reports of entanglement.

The majority of mortality and serious injury involving northern fur seals ($n = 53$) was due to circumferential neck entanglements in unidentified marine debris, packing bands, and various components of fishing gear. Since Eastern Pacific northern fur seals can occur off the U.S. West Coast in winter/spring, mortality and serious injury reported off the coasts of Washington, Oregon, and California during December through May was assigned to both the Eastern Pacific and California stocks of northern fur seals. Most cases of mortality and serious injury to phocids involved ringed ($n = 19$) and harbor seals ($n = 20$), with a few records of bearded ($n = 7$), ribbon ($n = 4$), and spotted seals ($n = 4$). Entanglements and entrapments in trawl fishery gear was the leading cause of serious injury and mortality for all phocids. Some pinniped mortality and injury events could not be identified to species and were reported as unidentified pinnipeds ($n = 15$).

Large Cetaceans

Human-caused mortality and injury was reported during the 5-year period from 2010 to 2014 for humpback whales, sperm whales, fin whales, bowhead whales, and unidentified whales. Entanglements of humpback whales ($n = 45$) comprised the majority of the large whale injuries and mortalities, followed by vessel strikes of humpbacks ($n = 17$). In four reports, multiple humpback whales (usually a female and calf) were involved in a single entanglement event: 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. Mortality and injury events which occurred in the area where the Western North Pacific and Central North Pacific stocks of humpback whales are known to overlap were assigned to both stocks. Some reports of large whale entanglements and collisions with vessels also noted human safety concerns, such as an entangled whale dragging gillnet and the associated fishing vessel towards rocks or vessel occupants being ejected after a collision with a whale or when a whale surfaced underneath the vessel.

Many of the large whale entanglements were assigned to injury category L10 “evidence of entanglement” (Appendix Table 2-1), in which an entanglement was known to have occurred, but there was insufficient information available on the configuration of the entanglement to determine whether the gear was wrapped in a constricting manner, loosely wrapped, bridled, or draped (categories L2 and L3). More details on the configuration of entanglements (such as written descriptions from observations; or aerial, underwater, and surface images; and follow-up information from resights of entangled whales) are needed to improve the accuracy of injury determinations.

Small Cetaceans

There were relatively few reports of human-caused mortality or injury to Alaska stocks of small cetaceans (n = 16). Between 2010 and 2014, mortality and serious injury occurred incidental to various gillnet fisheries for all three stocks (Bering Sea, Gulf of Alaska, and Southeast Alaska) of harbor porpoise (n = 7). Mortality of beluga whales (n = 3) was primarily due to interactions with subsistence gillnets, including one Bristol Bay beluga and one Eastern Bering Sea beluga. Another beluga mortality occurred in the Bering Sea / Aleutian Islands pollock trawl fishery. It is unknown whether this beluga belonged to the Bristol Bay, Eastern Bering Sea, or Eastern Chukchi Sea stock (so the mortality was assigned to all three stocks). One Dall's porpoise was seriously injured (n = 1) occurred in the southeast Alaska salmon drift gillnet fishery and mortality and serious injury of several killer whales occurred in the federal groundfish fisheries (n = 5). It is unknown whether these killer whales belonged to the Alaska Resident or Gulf of Alaska, Aleutian Islands, and Bering Sea Transient stock, so the mortality and serious injury was assigned to both stocks.

Discussion

All records of human-caused mortality and injury to marine mammal stocks assessed in the Alaska SARs are obtained through dedicated efforts, such as commercial fisheries observer programs and ongoing agency research and monitoring programs, or opportunistic reports from stranding networks, researchers, or at-sea sightings from vessel and aircraft operators. Since not all dead or injured marine mammals are detected or wash ashore in populated areas, the opportunistic reports represent minimum values for human-caused injury and mortality of marine mammals in Alaska. Actual levels of human-caused serious injury and mortality of Alaska pinniped and cetacean stocks are almost certainly greater than the values in this report.

The quality and quantity of information available for each mortality or injury record was highly variable. Some records contained a very limited amount of information, while others consisted of multiple images or video which depicted the full nature of the injury or entanglement (e.g., underwater, aerial, and surface images). Imagery of entanglements captured from varying perspectives can confirm or rule out the presence of 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. Even in the absence of imagery, records with detailed information about an incident increase the chance of assigning an injury to a specific type of fishing gear, and can appropriately classify the injury. Without sufficient information, injuries must be classified simply as 'evidence of entanglement' as opposed to more accurate injury categories. When documenting marine mammal mortality or injury, stranding responders, disentanglement teams, and fisheries observers should be encouraged to provide as many details

as possible regarding entanglement configurations and document the event with pictures and video. NMFS should also ensure that people responding to or reporting on injured marine mammals are informed of key information that needs to be assessed in order to distinguish serious from non-serious injuries. For management purposes, fisheries observers and stranding network participants reporting fishery interactions should also be encouraged to include details that can aid in assigning mortality and injury to specific fisheries. It is also helpful for reporters to differentiate between commercial, recreational, and subsistence fishing gear or fishery interactions when possible. Unfortunately, in some situations, the same type of fishing gear can be used by commercial, charter, and recreational fisheries (i.e., there is overlap in the gear used to troll for salmon in Southeast Alaska by these three groups), thus making it difficult to definitively assign fishery gear to a user group.

Acknowledgments

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Guide to Acronyms and Abbreviations Found in Appendix 1

The following acronyms and abbreviations are used in Appendix Table 1-11.

Areas:

AK: Alaska
BC: British Columbia
BS: Bering Sea
BSAI: Bering Sea/Aleutian Islands
CA: California
GOA: Gulf of Alaska
OR: Oregon
SCAK: South central Alaska
SEAK: Southeast Alaska
WA: Washington
WAK: Western Alaska
WC: U.S. West Coast

Ages:

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

Sex:

F: Female
M: Male
U: Unknown

Source of Information:

AKRO: National Marine Fisheries Service, Alaska Regional Office
NPGOP: National Marine Fisheries Service, North Pacific Groundfish Observer Program
AMMOP: National Marine Fisheries Service, Alaska Marine Mammal Observer Program
A-SHOP: National Marine Fisheries Service, At Sea Hake Observer Program
WCGOP: National Marine Fisheries Service, West Coast Groundfish Observer Program
NPLWERN: North Pacific Large Whale Entanglement Response Network
NWRO: NOAA, National Marine Fisheries Service, West Coast Regional Office
SWFSC: NOAA, National Marine Fisheries Service, Southwest Fisheries Science Center
ADF&G: Alaska Department of Fish and Game
NWFSC: National Marine Fisheries Service, Northwest Fisheries Science Center

Initial Assessment and Final Determination:

CBD: Cannot be Determined

COD: Cause of Death

NSI: Non-Serious Injury

SI: Serious Injury

Other:

ASLC: Alaska Sea Life Center

ID: Species Identity

LOF: List of Fisheries

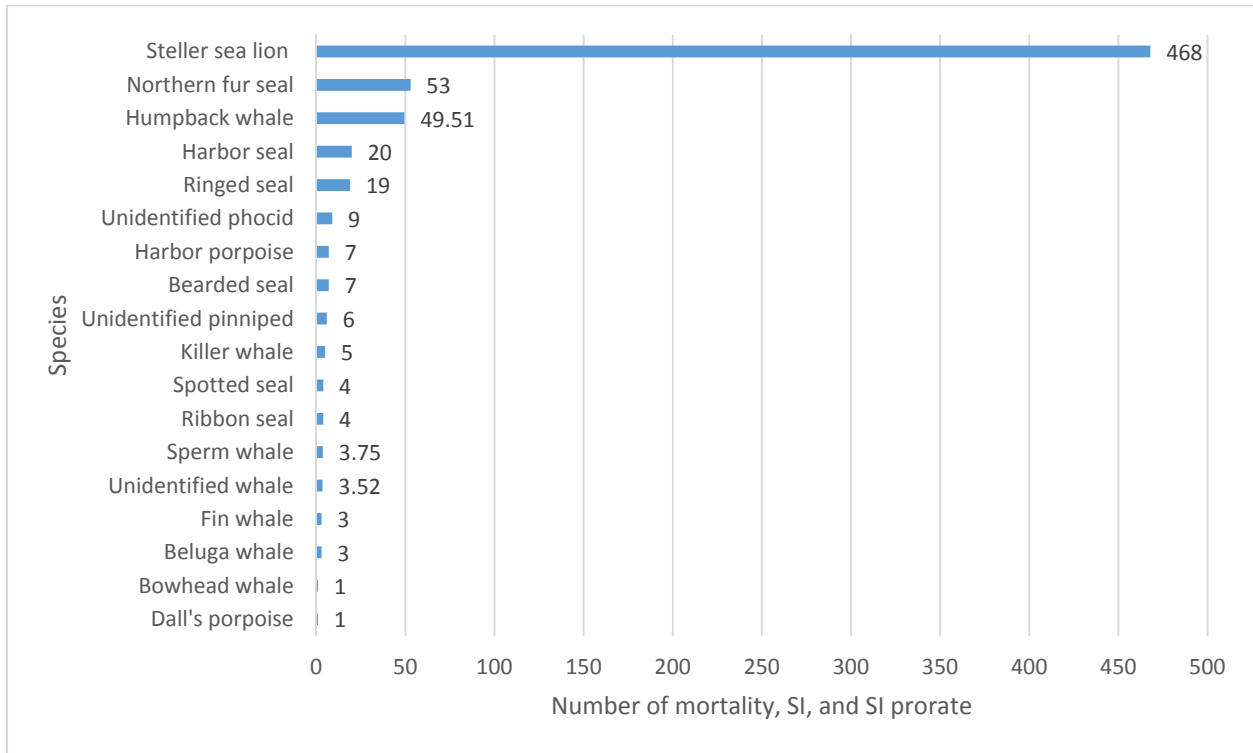
SSL: Steller Sea Lion

Appendix 1

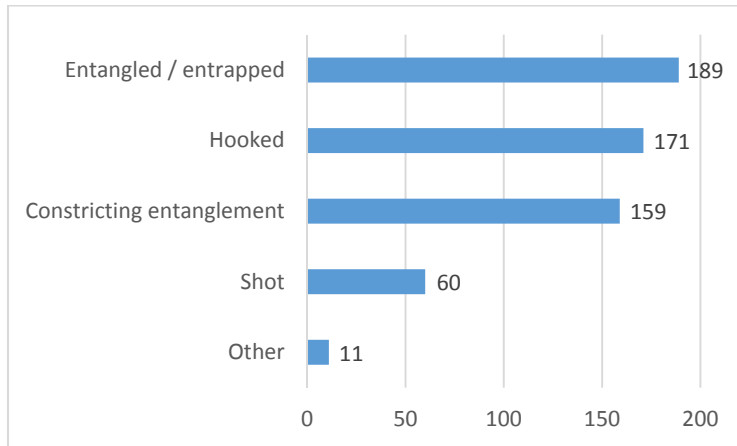
Human-caused injury and mortality records of NMFS-managed Alaska marine mammal stocks reported for 2010-2014 and summary tables. A guide to the acronyms and abbreviations found in the tables of Appendix 1 is included on p. 13. Note: many comments were entered verbatim from observer reports. Some terminology 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 clarification.

- Appendix Figure 1-1: Human-caused serious injury and mortality to Alaska marine mammal species appearing in the Alaska SARs.
- Appendix Figure 1-2: Human-caused serious injury and mortality to Alaska pinniped species by mechanism of injury.
- Appendix Figure 1-3: Human-caused serious injury and mortality to Alaska pinniped species by general source of injury.
- Appendix Figure 1-4: Fishery-related serious injury and mortality to pinnipeds by fishery gear type.
- Appendix Figure 1-5: Human-caused serious injury and mortality to Alaska large whale species by mechanism of injury.
- Appendix Figure 1-6: Human-caused serious injury and mortality to Alaska large whale species by general source of injury.
- Appendix Figure 1-7: Fishery-related serious injury and mortality to Alaska large whale species by fishery gear type.
- Appendix Figure 1-8: Human-caused serious injury and mortality to Alaska small cetacean species by mechanism of injury.
- Appendix Figure 1-9: Human-caused serious injury and mortality to Alaska small cetacean species by general source of injury.
- Appendix Figure 1-10: Fishery-related serious injury and mortality to Alaska small cetacean species by fishery gear type.
- Appendix Table 1-11: Human / marine mammal interaction records reviewed for serious injury and mortality.

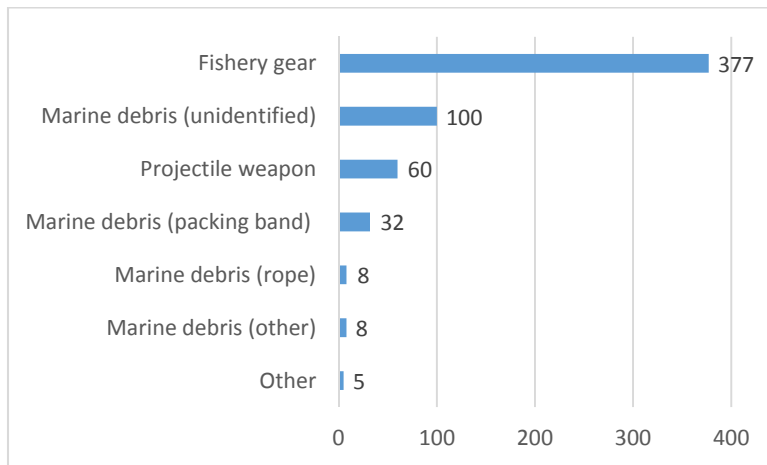
Appendix Figure 1-1. -- Human-caused serious injury and mortality to Alaska marine mammal species appearing in the Alaska SARs reported for 2010-2014.



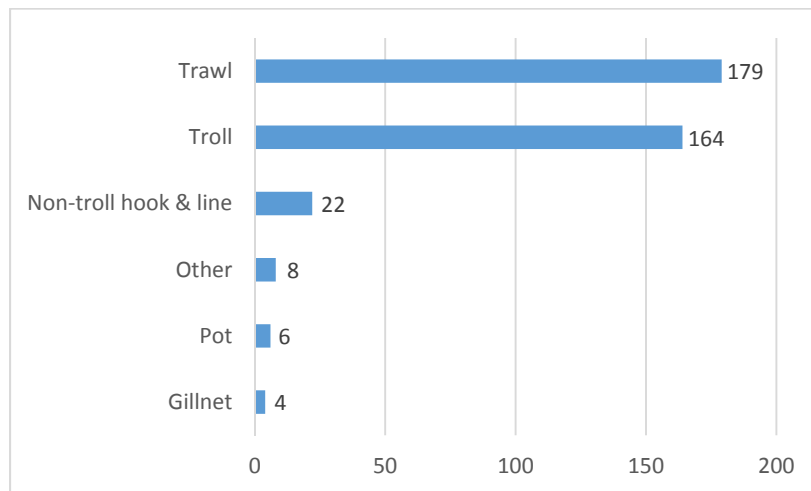
Appendix Figures 1-2 through 1-4. -- Summaries of human-caused serious injury and mortality to Alaska pinniped species reported for 2010-2014.



Appendix Figure 1-2. Human-caused serious injury and mortality to Alaska pinniped species by mechanism of injury.

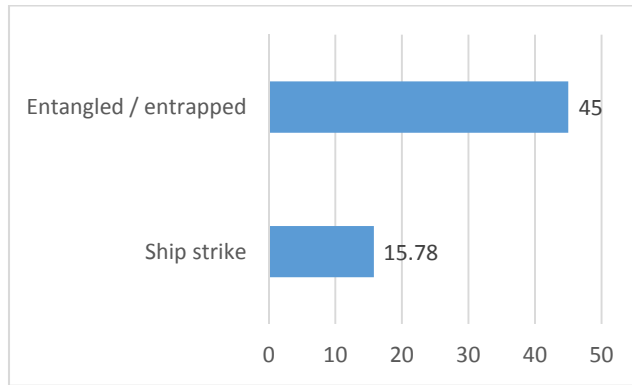


Appendix Figure 1-3. Human-caused serious injury and mortality to Alaska pinniped species by general source of injury.

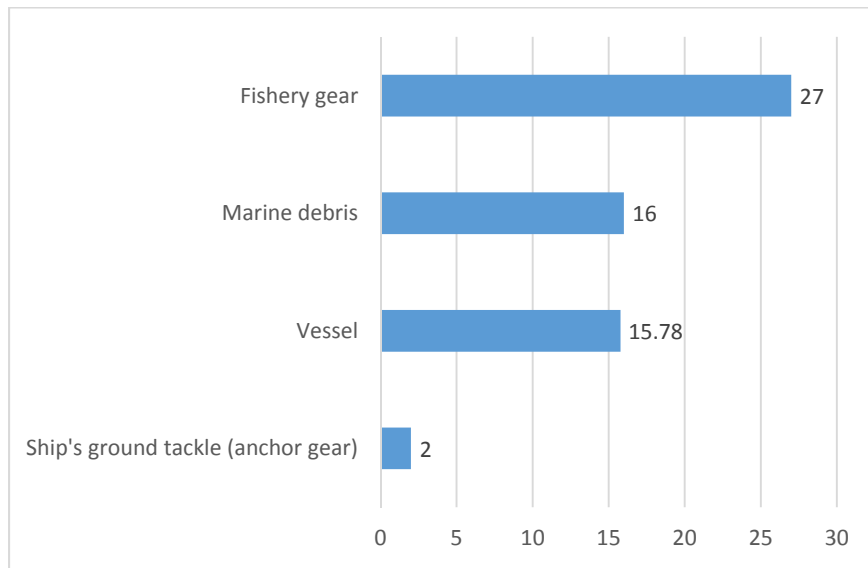


Appendix Figure 1-4. Fishery-related serious injury and mortality to pinnipeds by fishery gear type.

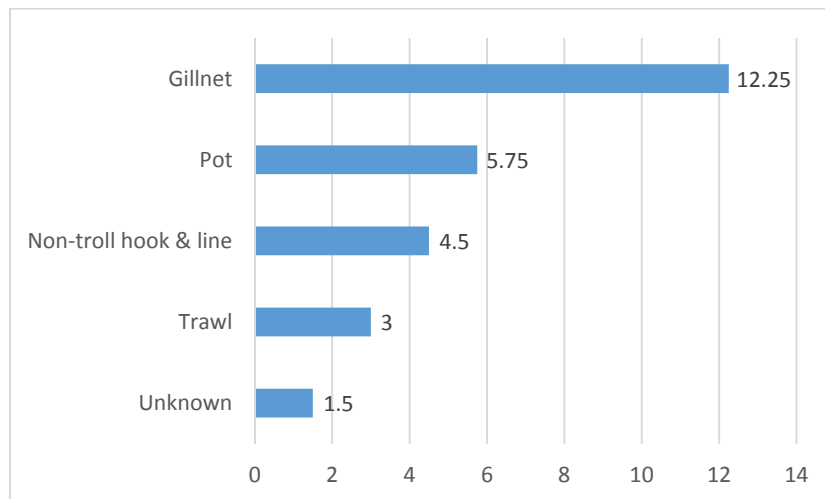
Appendix Figures 1-5 through 1-7. -- Summaries of human-caused serious injury and mortality to Alaska large whale species reported for 2010-2014.



Appendix Figure 1-5. Human-caused serious injury and mortality to Alaska large whale species by mechanism of injury.

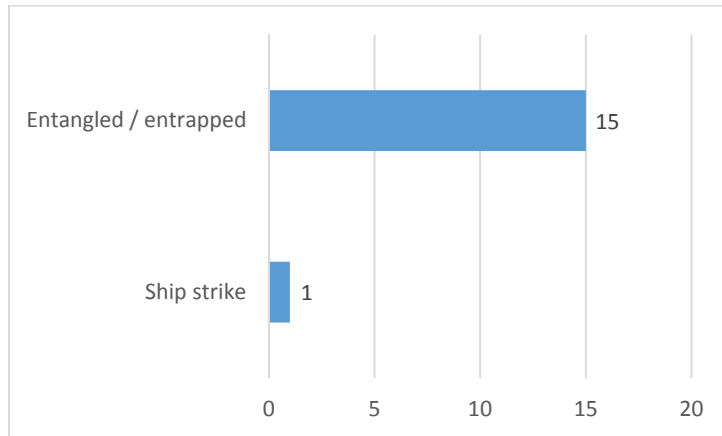


Appendix Figure 1-6. Human-caused serious injury and mortality to Alaska large whale species by general source of injury.

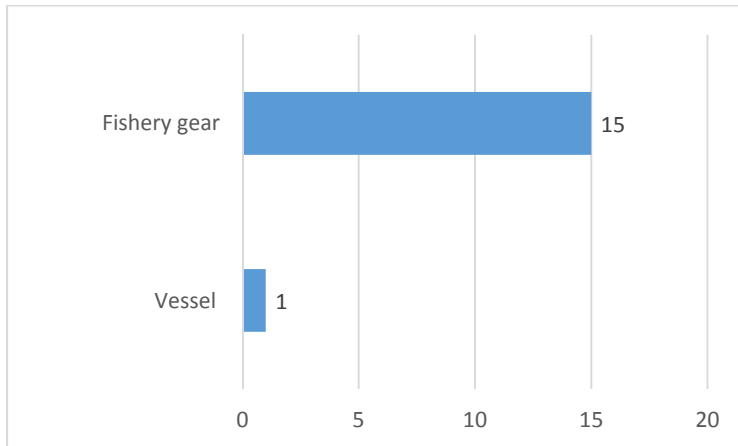


Appendix Figure 1-7. Fishery-related serious injury and mortality to Alaska large whale species by fishery gear type.

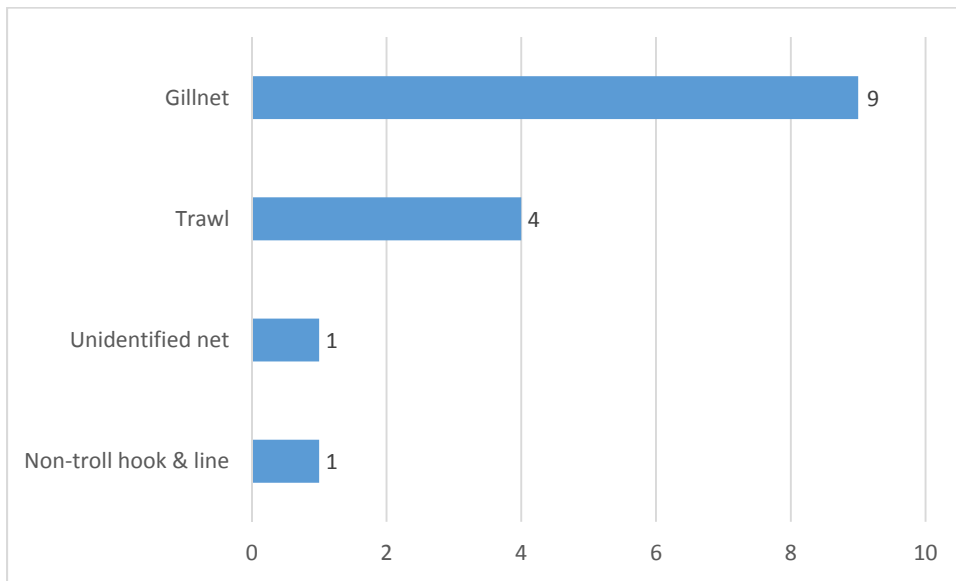
Appendix Figures 1-8 through 1-10. -- Summaries of human-caused serious injury and mortality to Alaska small cetacean species reported for 2010-2014.



Appendix Figure 1-8. Human-caused serious injury and mortality to Alaska small cetacean species by mechanism of injury.



Appendix Figure 1-9. Human-caused serious injury and mortality to Alaska small cetacean species by general source of injury.



Appendix Figure 1-10. Fishery-related serious injury and mortality to Alaska small cetacean species by fishery gear type.

Appendix Table 1-11. -- Human / marine mammal interaction records reviewed for serious injury and mortality. Records are sorted by year, species, stock, and date.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NPGOP	7/6/2010	2010	Eastern Bering Sea	WAK	Bearded Seal	Alaska	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
AKRO	7/23/2010	2010	Dillingham	WAK	Beluga Whale	Bristol Bay	DEAD	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	N/A	N/A	N/A		N/A	0	0
AKRO	5/26/2010	2010	Cook Inlet	SCAK	Beluga Whale	Cook Inlet	SI	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.	NSI	Constricting entanglement	Marine debris (rope)	N/A		S6	0	0
AKRO	8/21/2010	2010	Nome	WAK	Beluga Whale	Eastern Bering	DEAD	A beluga became entangled in subsistence salmon net and drowned.	DEAD	Entangled / entrapped	Fishery gear	Nome salmon subsistence gillnet	Gillnet	N/A	1	1
AKRO	7/4/2010	2010	Chukchi Sea	Arctic	Bowhead Whale	Western Arctic	DEAD	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	Entangled / entrapped	Fishery gear	Unknown commercial pot	Pot	N/A	1	1
AKRO	8/29/2010	2010	Kodiak	Kodiak	Fin Whale	Northeast Pacific	DEAD	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 ship strike.	DEAD	Ship strike	Vessel (unknown)	N/A		N/A	1	0
AKRO	5/13/2010	2010	Yakutat	SEAK	Harbor Porpoise	SE Alaska	SI	A harbor porpoise became entangled in a gillnet. A witness tried to free the animal, but the porpoise died before it could be released.	DEAD	Entangled / entrapped	Fishery gear	AK Yakutat salmon set gillnet	Gillnet	N/A	1	1
AKRO	4/5/2010	2010	Tanunak	WAK	Harbor Seal	Bristol Bay	SI	A harbor seal was subsistence harvested and then the hunter delivered a seal pup from the recently killed 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 value of 1 was assigned due to removal of the pup from the population.	SI	Removal from population	Alaska Native subsistence harvest	N/A		N/A	1	0
AKRO	7/26/2010	2010	Ketchikan	SEAK	Harbor Seal	Clarence Strait	SI	A law enforcement officer received a report of a harbor seal with a hook and weight in its mouth near Ketchikan.	SI	Hooked	Fishery gear	SEAK unknown hook and line	Hook and line	P5a	1	1
AKRO	6/17/2010	2010	Endicott	SEAK	Harbor Seal	Lynn Canal/Stephens	SI	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 NMML experts, both agree this is SI under criteria P3.	SI	Ship strike	Vessel (unknown)	N/A		P3	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	8/15/2010	2010	Juneau	SEAK	Harbor Seal	Lynn Canal/Stephens	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
AKRO	5/21/2010	2010	Cordova	SCAK	Harbor Seal	Prince William Sound	SI	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.	NSI	Entangled / entrapped	Fishery gear	N/A	Unknown net	P7b	0	1
NPGOP	9/13/2010	2010	GOA (central)	SCAK	Harbor Seal	South Kodiak	DEAD	A harbor seal was caught and killed in an AK GOA Pacific cod haul.	DEAD	Entangled / entrapped	Fishery gear	AK GOA Pacific cod trawl	Trawl	N/A	1	1
AKRO	5/22/2010	2010	Haines	SEAK	Humpback Whale	Central North Pacific	SI	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	Ship strike	Vessel (commercial)	N/A		L6a	1	0
AKRO	6/9/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	SI	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	Ship strike	Vessel (commercial)	N/A		L6a	1	0
AKRO	6/16/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Fishery gear	SEAK unknown pot	Pot	L10	0.75	0.75
AKRO	6/22/2010	2010	Pt. Adolphus	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L10	0.75	0.75
AKRO	6/22/2010	2010	Pt. Adolphus	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L10	0.75	0.75
AKRO	7/6/2010	2010	Benjamin Island	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L10	0.75	0.75

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	7/8/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Fishery gear	SEAK unknown pot	Pot	L10	0.75	0.75
AKRO	7/13/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Marine debris (rope)	N/A		L10	0.75	0
AKRO	7/27/2010	2010	Petersburg	SEAK	Humpback Whale	Central North Pacific	SI	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.	NSI	Entangled / entrapped	Fishery gear	SEAK drift gillnet	Gillnet	L2	0	0
AKRO	7/27/2010	2010	Petersburg	SEAK	Humpback Whale	Central North Pacific	SI	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.	NSI	Entangled / entrapped	Fishery gear	SEAK drift gillnet	Gillnet	L2	0	0
AKRO	7/28/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	DEAD	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	Ship strike	Vessel (unknown)	N/A		N/A	1	0
AKRO	8/14/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	Prorate	A subadult humpback whale was observed with multiple wraps of line and a red and white spongy 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	Entangled / entrapped	Marine debris (rope and buoy)	N/A		L10	0.75	0
AKRO	8/16/2010	2010	Tracy Arm	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L10	0.75	0.75

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	8/18/2010	2010	Tenakee	SEAK	Humpback Whale	Central North Pacific	DEAD	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	Ship strike	Vessel (unknown)	N/A		N/A	1	0
AKRO	8/31/2010	2010	Hoonah	SEAK	Humpback Whale	Central North Pacific	NSI	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	Ship strike	Vessel (commercial)	N/A		L6c	0	0
AKRO	9/1/2010	2010	Chatham Strait	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Marine debris (unidentified)	N/A		L10	0.75	0
AKRO	9/2/2010	2010	Tenakee	SEAK	Humpback Whale	Central North Pacific	SI	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.	NSI	Entangled / entrapped	Fishery gear	SEAK Dungeness crab pot fishery (inshore) - commercial	Pot	L2	0	1
AKRO	9/6/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	Prorate	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.	NSI	Entangled / entrapped	Fishery gear	SEAK unknown crab pot	Pot	L10	0	.75
AKRO	9/6/2010	2010	Juneau	SEAK	Humpback Whale	Central North Pacific	NSI	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.	NSI	Entangled / entrapped	Fishery gear	SEAK unknown crab pot	Pot	L10	0	.75
AKRO	9/9/2010	2010	Sitka	SEAK	Humpback Whale	Central North Pacific	Prorate	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 disentanglement.	NSI	Entangled / entrapped	Fishery gear	SEAK drift gillnet	Gillnet	L10	0	0
AKRO	6/18/2010	2010	Whittier	SCAK	Humpback Whale	Western North Pacific / Central North Pacific	NSI	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	Entangled / entrapped	Marine debris (rope and buoy)	N/A		L3	0	0
NPGOP	7/19/2010	2010	Eastern Bering Sea	WAK	Humpback Whale	Western North Pacific / Central North Pacific	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NPGOP	11/2/2010	2010	Eastern Bering Sea	WAK	Humpback Whale	Western North Pacific / Central North Pacific	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	7/31/2010	2010	Eastern Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	DEAD	A killer whale was killed by a propeller during AK BSAI rockfish trawl.	DEAD	Ship strike	Vessel (commercial)	AK BSAI rockfish trawl	Trawl	N/A	1	1
NPGOP	7/30/2010	2010	Central Bering Sea	WAK	Northern Fur Seal	Eastern Pacific	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod longline	Hook and line	N/A	1	1
NPGOP	8/4/2010	2010	Eastern Bering Sea	WAK	Northern Fur Seal	Eastern Pacific	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	8/10/2010	2010	Central Bering Sea	WAK	Northern Fur Seal	Eastern Pacific	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
AKRO	4/14/2010	2010	Beaufort Sea	Arctic	Ringed Seal	Alaska	NSI	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	Handled by human	N/A	N/A		N/A	0	0
AKRO	8/1/2010	2010	Nome	WAK	Ringed Seal	Alaska	SI	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.	NSI	Entangled / entrapped	Fishery gear	Nome salmon set gillnet - subsistence	Gillnet	P7b	0	1
NPGOP	3/20/2010	2010	Central Bering Sea	WAK	Spotted Seal (larga)	Alaska	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
WCGOP	3/16/2010	2010	CA	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	N/A	1	1
WCGOP	4/17/2010	2010	CA	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. There were no apparent injuries and the animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	P4	0	0
WCGOP	4/25/2010	2010	OR	WC	Steller Sea Lion	Eastern US	NSI	A seal bomb was used to deter a Steller sea lion from feeding on the catch.	NSI	Percussion	Seal bomb	Limited entry sablefish hook & line	Hook and line	P9	0	0
ADFG	5/3/2010	2010	Gran Pt	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	5/11/2010	2010	Funter Bay	SEAK	Steller Sea Lion	Eastern US	DEAD	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 decomposed SSL. No necropsy performed.	DEAD	Entangled / entrapped	Fishery gear	Foreign high seas gillnet	Gillnet	N/A	1	1
ADFG	5/26/2010	2010	Forrester - Lowrie Is: Walts View	SEAK	Steller Sea Lion	Eastern US	SI	A subadult SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	5/27/2010	2010	Grindall Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	5/27/2010	2010	Ketchikan	SEAK	Steller Sea Lion	Eastern US	SI	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	Constricting entanglement	Fishery gear	SEAK unknown monofilament	Hook & line	P8a	1	1
A-SHOP	5/28/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
ADFG	5/31/2010	2010	Forrester - Lowrie Is: Sunset Point	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/3/2010	2010	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/6/2010	2010	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	6/7/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	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.	NSI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	0	0
ADFG	6/7/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	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.	NSI	Dependent animal with mother seriously injured	Marine debris (unidentified)	N/A		P14	0	0
ADFG	6/8/2010	2010	Forrester - Cape Horn Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement that was caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/8/2010	2010	Inian Islands	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/10/2010	2010	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SI	A subadult SSL was observed with a deep circumferential neck entanglement, caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/14/2010	2010	Forrester - Lowrie Is: Shore 11 Peregrine Rocks	SEAK	Steller Sea Lion	Eastern US	SI	A SSL pup was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/14/2010	2010	Forrester - Lowrie Is: Walts View	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	6/16/2010	2010	Forrester - East Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/17/2010	2010	Forrester - Lowrie Is: Walts View	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
WCGOP	6/23/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	N/A	1	1
ADFG	6/27/2010	2010	Sail Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/27/2010	2010	Southwest Brothers Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult SSL was observed with a circumferential neck entanglement that was caused by a rubber band.	SI	Constricting entanglement	Marine debris (rubber band)	N/A		P8a	1	0
ADFG	6/27/2010	2010	Southwest Brothers Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/27/2010	2010	Southwest Brothers Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
WCGOP	6/28/2010	2010	OR	WC	Steller Sea Lion	Eastern US	NSI	A large Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. There were no apparent injuries and the animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	P4	0	0
WCGOP	6/28/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	N/A	1	1
WCGOP	6/28/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	N/A	1	1
ADFG	6/30/2010	2010	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL with a pup was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/30/2010	2010	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Constricting entanglement	Marine debris (unidentified)	N/A		P14	1	0
ADFG	6/30/2010	2010	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult SSL that swallowed troll fishery gear was observed with the flasher trailing from the animal.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/1/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult SSL was observed with a deep circumferential neck entanglement that was possibly caused by a packing band.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/1/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement that was caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	7/1/2010	2010	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/2/2010	2010	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a circumferential neck entanglement that was possibly caused by a packing band.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	7/2/2010	2010	Stephens Passage	SEAK	Steller Sea Lion	Eastern US	SI	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	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/2/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	Subadult male SSL observed with a deep ring neck entanglement caused by a packing band. @ Graves Rocks, SEAK.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	7/2/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	7/2/2010	2010	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/2/2010	2010	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/2/2010	2010	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/2/2010	2010	Jacob Rk	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/2/2010	2010	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/2/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	Adult female SSL swallowed troll gear, flasher trailing from left side of mouth. Silver flasher with neon green vertical stripe. @ Graves Rocks	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/3/2010	2010	Forrester - Lowrie Is: Walts View	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/3/2010	2010	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/3/2010	2010	Forrester - Lowrie Is: El Cap Shore	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/4/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A SSL pup was observed with a deep circumferential neck entanglement that was caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	7/4/2010	2010	Forrester - Lowrie Is: Boyd 5	SEAK	Steller Sea Lion	Eastern US	SI	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	Dependent animal with mother seriously injured	Fishery gear	SEAK unknown troll	Troll	P14	1	1
ADFG	7/4/2010	2010	Forrester - Lowrie Is: El Cap Shore	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/4/2010	2010	Forrester - Lowrie Is: Boyd 5	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/4/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/4/2010	2010	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/5/2010	2010	Sea Lion Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Dependent animal with mother seriously injured	Fishery gear	SEAK unknown troll	Troll	P14	1	1
ADFG	7/5/2010	2010	Sea Lion Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/5/2010	2010	Forrester - Lowrie Is: Shore 11 Peregrine Rocks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL swallowed troll fishery gear and was observed trailing a flasher.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/6/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	A male SSL swallowed troll fishery gear and a flasher was observed tight to its mouth. Flasher was silver with orange rim.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/6/2010	2010	Forrester - Lowrie Is: Boyd 5	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/6/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/7/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/8/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
WCGOP	7/9/2010	2010	OR	WC	Steller Sea Lion	Eastern US	NSI	A male Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. There were no apparent injuries and the animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	P4	0	0
ADFG	7/9/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	7/9/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/9/2010	2010	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/11/2010	2010	Southwest Brothers Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult SSL swallowed troll fishery gear and was observed trailing flasher from its left side. Flasher was silver with an orange rim.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
AKRO	7/11/2010	2010	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	SI	A SSL was observed in south Glacier Bay with a big silver flasher hanging along its throat.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/11/2010	2010	Southwest Brothers Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
AKRO	7/11/2010	2010	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	0	0
ADFG	7/12/2010	2010	Yasha Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
AKRO	7/13/2010	2010	Rocky Island	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
WCGOP	7/19/2010	2010	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	P4	0	0
A-SHOP	7/19/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	An adult female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
ADFG	7/20/2010	2010	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
WCGOP	7/25/2010	2010	CA	WC	Steller Sea Lion	Eastern US	DEAD	An adult male Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	N/A	1	1
AKRO	7/29/2010	2010	Tenakee	SEAK	Steller Sea Lion	Eastern US	DEAD	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	Hooked	Fishery gear	SEAK unknown troll	Troll	N/A	1	1
AKRO	8/3/2010	2010	Juneau	SEAK	Steller Sea Lion	Eastern US	SI	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.	DEAD	Shot	Projectile weapon	N/A		N/A	0	0
AKRO	8/14/2010	2010	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	SI	A SSL was observed with a flasher hanging from its mouth at South Marble Island.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
AKRO	8/15/2010	2010	Juneau	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
WCGOP	8/16/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	N/A	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
WCGOP	8/21/2010	2010	OR	WC	Steller Sea Lion	Eastern US	NSI	An adult male Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. There were no apparent injuries and the animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	P4	0	0
WCGOP	9/5/2010	2010	OR	WC	Steller Sea Lion	Eastern US	NSI	Two Steller sea lions were caught in trawl gear. The animals left the boat after being freed from the net. This is sea lion one of two.	NSI	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	P4	0	0
WCGOP	9/5/2010	2010	OR	WC	Steller Sea Lion	Eastern US	NSI	Two Steller sea lions were caught in trawl gear. The animals left the boat after being freed from the net. This is sea lion two of two.	NSI	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	P4	0	0
ADFG	9/7/2010	2010	Little Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	9/9/2010	2010	Juneau	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
WCGOP	9/12/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	N/A	1	1
ADFG	9/14/2010	2010	Little Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
AKRO	9/17/2010	2010	Juneau	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
A-SHOP	9/25/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	An adult female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
A-SHOP	10/7/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	An adult female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
A-SHOP	10/10/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
AKRO	10/11/2010	2010	Yakutat	SEAK	Steller Sea Lion	Eastern US	DEAD	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	Hooked	Fishery gear	SEAK unknown troll	Troll	N/A	1	1
WCGOP	10/16/2010	2010	OR	WC	Steller Sea Lion	Eastern US	NSI	An adult female Steller sea lion was caught in trawl gear. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	P4	0	0
WCGOP	10/19/2010	2010	CA	WC	Steller Sea Lion	Eastern US	NSI	A large Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. There were no apparent injuries and the animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Limited entry bottom trawl	Trawl	P4	0	0
A-SHOP	10/19/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
A-SHOP	10/23/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	0
ADFG	11/3/2010	2010	Benjamin Is	SEAK	Steller Sea Lion	Eastern US	SI	A SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
A-SHOP	11/8/2010	2010	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and reportedly released alive.	NSI	Entangled / reportedly released alive	Fishery gear	At-Sea hake pelagic trawl	Trawl	P7b	0	0
A-SHOP	11/11/2010	2010	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	P4	0	0
A-SHOP	11/13/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
A-SHOP	12/3/2010	2010	OR	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
NPGOP	2/22/2010	2010	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	2/23/2010	2010	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	2/28/2010	2010	GOA (central)	SCAK	Steller Sea Lion	Western US	DEAD	A SSL was hooked on longline gear. The line broke as it was hauled in. The animal appeared dead.	DEAD	Hooked	Fishery gear	AK GOA Pacific cod longline	Hook and line	N/A	1	1
NPGOP	3/3/2010	2010	Central Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	3/6/2010	2010	Central Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A SSL was caught and killed in a haul. The animal's head was removed and frozen as a sample by the observer.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	3/19/2010	2010	BSAI (central)	WAK	Steller Sea Lion	Western US	DEAD	A SSL was caught and killed in a haul. The snout was removed by the observer for a sample and photos were taken.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod trawl	Trawl	N/A	1	1
NPGOP	4/6/2010	2010	Central Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A SSL was caught and killed in a haul. Photos were taken and the head was removed by the observer.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	4/20/2010	2010	Central Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	5/29/2010	2010	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	6/21/2010	2010	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A SSL was caught and killed in AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
ADFG	7/8/2010	2010	Glacier Is	PWS	Steller Sea Lion	Western US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/9/2010	2010	Seal Rks, PWS	PWS	Steller Sea Lion	Western US	SI	An adult female SSL was observed with a scar presumed to be from a circumferential neck entanglement.	NSI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	0	0
ADFG	7/9/2010	2010	Glacier Is	PWS	Steller Sea Lion	Western US	SI	A subadult male SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/16/2010	2010	Glacier Is	PWS	Steller Sea Lion	Western US	SI	A subadult male SSL was observed with a circumferential neck entanglement possibly caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
NPGOP	8/12/2010	2010	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	9/2/2010	2010	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NPGOP	9/6/2010	2010	BSAI (western)	WAK	Steller Sea Lion	Western US	DEAD	A SSL was killed in Atka mackerel trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI Atka mackerel trawl	Trawl	N/A	1	1
ADFG	10/19/2010	2010	Glacier Is	PWS	Steller Sea Lion	Western US	SI	A subadult male SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
AKRO	6/10/2010	2010	Kayak Island	SCAK	Steller Sea Lion	Western US / Eastern US	SI	A SSL was observed with plastic band around neck that had created a large laceration on the ventral surface.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	6/10/2010	2010	Kayak Island	SCAK	Steller Sea Lion	Western US / Eastern US	SI	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	Hooked	Fishery gear	GOA unknown longline	Hook and line	P2	1	1
NPGOP	4/13/2010	2010	BSAI (central)	WAK	Unidentified Pinniped	N/A	DEAD	An unidentified pinniped was hooked by longline gear and drowned.	DEAD	Hooked	Fishery gear	AK BSAI Pacific cod longline	Hook and line	N/A	1	1
A-SHOP	5/29/2010	2010	OR	WC	Unidentified Pinniped	N/A	DEAD	An unidentified pinniped was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea Hake Pelagic Trawl	Trawl	N/A	1	1
WCGOP	6/5/2010	2010	OR	WC	Unidentified Pinniped	N/A	SI	A captain fired a shot at an unidentified pinniped to deter the animal. Due to a lack of additional information it is assumed the sea lion was hit resulting in a serious injury.	SI	Shot	Projectile weapon	Limited entry sablefish hook & line	Hook and line	P9	1	1
AKRO	8/1/2010	2010	Ketchikan	SEAK	Unidentified Whale	N/A	Prorate	A large unknown whale was reported entangled in gillnet. A response was mounted within two hours but the whale was not relocated.	Prorate	Entangled / entrapped	Fishery gear	SEAK drift gillnet	Gillnet	L10	0.75	0.75
NPGOP	8/26/2011	2011	Eastern Bering Sea	WAK	Bearded Seal	Alaska	DEAD	A bearded seal was caught and killed in haul 683. The observer took photos and samples.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
AKRO	6/10/2011	2011	Hooper Bay	WAK	Beluga Whale	Eastern Bering	SI	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.	NSI	Entangled / entrapped	Fishery gear	Hooper Bay king salmon gillnet - subsistence	Gillnet	S7b	0	0
NPGOP	9/24/2011	2011	Eastern Bering Sea	WAK	Harbor Seal	Bristol Bay	DEAD	A harbor seal was caught and killed by trawl gear. The observer took photos and collected the head for a sample.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
AKRO	9/11/2011	2011	Ketchikan	SEAK	Harbor Seal	Clarence Strait	SI	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	Entangled / entrapped	Marine debris (rope and buoy)	N/A		P6	1	0
AKRO	8/17/2011	2011	Homer	SCAK	Harbor Seal	Cook Inlet/Shelikof	DEAD	A harbor seal died while entangled in an unspecified set net.	DEAD	Entangled / entrapped	Fishery gear	Cook Inlet salmon set net	Gillnet	N/A	1	1
AKRO	3/16/2011	2011	Skagway	SEAK	Harbor Seal	Lynn Canal/Stephens	DEAD	A harbor seal was found killed by gunshot; the bullet was recovered from the animals head.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
AKRO	7/20/2011	2011	Prince William Sound	SCAK	Harbor Seal	Prince William Sound	DEAD	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	Entangled / entrapped	Fishery gear	PWS Salmon Seine	Seine	N/A	1	1
AKRO	10/2/2011	2011	Kodiak	Kodiak	Harbor Seal	South Kodiak	DEAD	A harbor seal was found dead with gunshot wound to the head.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NPGOP	11/1/2011	2011	GOA (western)	SCAK	Harbor Seal	South Kodiak	DEAD	A harbor seal was caught and killed in a haul.	DEAD	Entangled / entrapped	Fishery gear	AK GOA flatfish trawl	Trawl	N/A	1	1
AKRO	5/11/2011	2011	Juneau	SEAK	Humpback Whale	Central North Pacific	SI	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.	Prorate	Entangled / entrapped	Fishery gear	SEAK golden king crab pot	Pot	L10	0.75	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	5/18/2011	2011	Gambier	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Marine debris (rope and buoy)	N/A		L10	0.75	0
AKRO	5/26/2011	2011	Wrangell	SEAK	Humpback Whale	Central North Pacific	Prorate	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.	NSI	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L10	0	0
AKRO	5/29/2011	2011	Ketchikan	SEAK	Humpback Whale	Central North Pacific	SI	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.	Prorate	Entangled / entrapped	Marine debris (rope)	N/A		L10	0.75	0
AKRO	5/29/2011	2011	Ketchikan	SEAK	Humpback Whale	Central North Pacific	SI	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.	Prorate	Entangled / entrapped	Marine debris (rope)	N/A		L10	0.75	0
AKRO	6/21/2011	2011	Pt Baker	SEAK	Humpback Whale	Central North Pacific	Prorate	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.	NSI	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L3	0	0
AKRO	6/28/2011	2011	Chatham Strait	SEAK	Humpback Whale	Central North Pacific	NSI	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	Ship strike	Vessel (recreational)	N/A		L6c	0	0
AKRO	7/6/2011	2011	Hoonah	SEAK	Humpback Whale	Central North Pacific	NSI	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	Ship strike	Vessel (recreational)	N/A		L6c	0	0
AKRO	7/17/2011	2011	Ketchikan	SEAK	Humpback Whale	Central North Pacific	SI	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.	Prorate	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L10	0.75	0.75

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	8/8/2011	2011	Craig	SEAK	Humpback Whale	Central North Pacific	SI	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.	Prorate	Entangled / entrapped	Fishery gear	SEAK unknown longline	Hook and line	L10	0.75	0.75
AKRO	8/17/2011	2011	Juneau	SEAK	Humpback Whale	Central North Pacific	SI	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.	NSI	Entangled / entrapped	Fishery gear	SEAK unknown crab pot	Pot	L3	0	1
AKRO	8/19/2011	2011	Juneau	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Marine debris (rope and buoy)	N/A		L10	0.75	0
AKRO	8/31/2011	2011	Glacier Bay	SEAK	Humpback Whale	Central North Pacific	SI	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	Ship strike	Vessel (commercial)	N/A		L6a	1	0
AKRO	9/7/2011	2011	Juneau	SEAK	Humpback Whale	Central North Pacific	SI	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	Ship strike	Vessel (unknown)	N/A		L6a	1	0
AKRO	10/29/2011	2011	Tenakee	SEAK	Humpback Whale	Central North Pacific	SI	A humpback whale was observed entangled in single-set shrimp pot gear. There was a yellow Spongesex 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.	NSI	Entangled / entrapped	Fishery gear	SEAK unknown shrimp pot	Pot	L2	0	1
AKRO	8/8/2011	2011	Kodiak	Kodiak	Humpback Whale	Western North Pacific / Central North Pacific	NSI	A humpback whale was struck by the hull of 36 foot vessel traveling at eight knots. No injury to the whale was apparent.	NSI	Ship strike	Vessel (unknown)	N/A		L6c	0	0
AKRO	9/1/2011	2011	Sand Point	WAK	Humpback Whale	Western North Pacific / Central North Pacific	SI	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	Entangled / entrapped	Marine debris (rope)	N/A		L2	1	0
AKRO	9/12/2011	2011	Shumagin Islands	WAK	Humpback Whale	Western North Pacific / Central North Pacific	Prorate	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	Entangled / entrapped	Fishery gear	South Unimak set gillnet or Chignik subsistence set gillnet	Gillnet	L10	0.75	0.75

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	10/4/2011	2011	Kodiak	Kodiak	Humpback Whale	Western North Pacific / Central North Pacific	Prorate	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	Entangled / entrapped	Marine debris (rope and buoy)	N/A		L10	0.75	0
AKRO	10/4/2011	2011	Kodiak	Kodiak	Humpback Whale	Western North Pacific / Central North Pacific	Prorate	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	Entangled / entrapped	Marine debris (rope)	N/A		L10	0.75	0
AKRO	10/8/2011	2011	Bering Sea	WAK	Humpback Whale	Western North Pacific / Central North Pacific	Prorate	A humpback whale was observed entangled in pot gear. There is no thorough description or photos of the entanglement.	Prorate	Entangled / entrapped	Fishery gear	Bering Sea unknown pot	Pot	L10	0.75	0.75
NWRO	4/8/2011	2011	OR	WC	Northern Fur Seal	California / Eastern North Pacific	DEAD	Carcass: plastic packing band cutting into neck; obvious damage to skin, blubber, and muscle; entangled in greenish trawl net.	DEAD	Entangled / entrapped	Fishery gear	Unknown trawl	Trawl	NA	1	1
AKRO	7/3/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed with a line wrapped around its neck.	SI	Constricting entanglement	Marine debris (rope)	N/A		P8a	1	0
AKRO	7/9/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	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.	NSI	Constricting entanglement	Marine debris (packing band)	N/A		P7b	0	0
AKRO	7/9/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	NSI	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	Constricting entanglement	Marine debris (rubber band)	N/A		P8b	0	0
AKRO	7/13/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A northern fur seal was observed with a packing band entanglement. The animal was disentangled.	NSI	Constricting entanglement	Marine debris (packing band)	N/A		P7b	0	0
AKRO	7/14/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	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	Constricting entanglement	Fishery gear	BSAI unknown monofilament line fishery - recreational or commercial	Hook and line	P8a	1	1
AKRO	8/1/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal with a constricting circumferential neck entanglement caused by a packing band was observed.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
AKRO	8/6/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	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	Constricting entanglement	Marine debris (rubber band)	N/A		P8a	1	0
AKRO	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	SI	An adult female northern fur seal with circumferential neck entanglement was observed.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	SI	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	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	SI	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	Constricting entanglement	Fishery gear	Bering Sea unknown crab pot	Pot	P8a	1	1
AKRO	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	SI	An adult female northern fur seal with a circumferential neck entanglement was observed.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	SI	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	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	SI	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	Constricting entanglement	Fishery gear	BSAI unknown trawl - commercial	Trawl	P6	1	1
AKRO	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	SI	An adult male northern fur seal with a circumferential neck entanglement was observed.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	8/8/2011	2011	Bogoslof	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal with a circumferential neck entanglement was observed.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	8/10/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal with a circumferential neck entanglement caused by a packing band was observed.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
AKRO	8/28/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	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	Constricting entanglement	Fishery gear	BSAI unknown trawl - commercial	Trawl	P8a	1	1
AKRO	9/29/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	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.	NSI	Constricting entanglement	Fishery gear	BSAI unknown trawl - commercial	Trawl	P7b	0	1
AKRO	9/29/2011	2011	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	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.	NSI	Entangled / entrapped	Fishery gear	N/A	Unknown net	P7b	0	1
AKRO	10/7/2011	2011	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	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.	NSI	Constricting entanglement	Marine debris (misc. plastic)	N/A		P7b	0	0
AKRO	10/7/2011	2011	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	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.	NSI	Entangled / entrapped	Fishery gear	BSAI unknown trawl - commercial	Trawl	P7b	0	1
NPGOP	1/24/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	DEAD	A ringed seal was caught and killed in a haul.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NPGOP	1/24/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	3/24/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	DEAD	A ringed seal was caught and killed in a haul.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	3/26/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	DEAD	A ringed seal was found dead, entangled in longline gear. The observer took the head and photos as a sample.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod longline	Hook and line	N/A	1	1
NPGOP	4/1/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	4/26/2011	2011	Eastern Bering Sea	WAK	Ringed Seal	Alaska	DEAD	A ringed seal was caught and killed in a haul.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	5/1/2011	2011	Eastern Bering Sea	WAK	Ringed Seal	Alaska	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	5/1/2011	2011	Eastern Bering Sea	WAK	Ringed Seal	Alaska	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	5/14/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	DEAD	A ringed seal was caught and killed in haul.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	7/2/2011	2011	Eastern Bering Sea	WAK	Ringed Seal	Alaska	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod trawl	Trawl	N/A	1	1
NPGOP	7/5/2011	2011	Bering Sea	AK	Ringed Seal	Alaska	DEAD	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	Entangled / entrapped	Fishery gear	N/A	Unknown	N/A	1	1
NPGOP	8/7/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	DEAD	A ringed seal was caught and killed in a haul. There was no external indication of bodily injury.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	8/11/2011	2011	Central Bering Sea	WAK	Ringed Seal	Alaska	DEAD	A ringed seal was caught and killed in trawl gear. The animal's body was in good condition.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	3/4/2011	2011	Central Bering Sea	WAK	Spotted Seal (larga)	Alaska	DEAD	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	Hooked	Fishery gear	AK BSAI Pacific cod longline	Hook and line	N/A	1	1
WCGOP	2/1/2011	2011	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
WCGOP	2/4/2011	2011	OR	WC	Steller Sea Lion	Eastern US	NSI	A shotgun was fired into the air to deter sea lions from feeding on catch.	NSI	Shot	Projectile weapon	OA fixed gear hook & line	Hook and line	P9	0	0
WCGOP	2/5/2011	2011	OR	WC	Steller Sea Lion	Eastern US	NSI	A shotgun was fired into the air to deter sea lions from feeding on the catch.	NSI	Shot	Projectile weapon	OA fixed gear hook & line	Hook and line	P9	0	0
WCGOP	2/6/2011	2011	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was reported to be behaving aggressively aboard a fishing vessel. After repeated attempts by the ship's crew to compel the sea lion to leave before the captain shot and killed it.	DEAD	Shot	Projectile weapon	Catch shares bottom trawl		N/A	1	1
WCGOP	2/19/2011	2011	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
WCGOP	2/19/2011	2011	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
WCGOP	2/21/2011	2011	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
WCGOP	2/24/2011	2011	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
WCGOP	3/6/2011	2011	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
WCGOP	3/7/2011	2011	CA	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
WCGOP	3/8/2011	2011	OR	WC	Steller Sea Lion	Eastern US	DEAD	This interaction has few details. A Steller sea lion was killed with a rifle while aboard a fishing vessel. It is unclear how the sea lion came to be aboard the fishing vessel or why it was killed.	DEAD	Shot	Projectile weapon	Catch shares bottom trawl		N/A	1	1
WCGOP	4/12/2011	2011	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
WCGOP	4/17/2011	2011	CA	WC	Steller Sea Lion	Eastern US	NSI	Gunshots were used to deter Steller sea lions that were feeding on the catch.	NSI	Shot	Projectile weapon	Limited entry sablefish hook & line	Hook and line	P9	0	0
AKRO	4/25/2011	2011	Yakutat	SEAK	Steller Sea Lion	Eastern US	SI	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.	NSI	Entangled / entrapped	Fishery gear	Yakutat salmon set gillnet	Gillnet	P7b	0	1
ADFG	5/2/2011	2011	Gran Pt	SEAK	Steller Sea Lion	Eastern US	SI	A subadult SSL was observed with a circumferential neck entanglement caused by a rubber band.	SI	Constricting entanglement	Marine debris (rubber band)	N/A		P8a	1	0
WCGOP	5/7/2011	2011	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
WCGOP	5/8/2011	2011	WA	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and reportedly released alive.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P7b	0	0
WCGOP	5/8/2011	2011	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
WCGOP	5/9/2011	2011	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
AKRO	5/14/2011	2011	Juneau	SEAK	Steller Sea Lion	Eastern US	SI	A SSL was observed entangled with a halibut gangion and hook wrapped around its neck.	SI	Entangled / entrapped	Fishery gear	SEAK halibut longline	Hook and line	P8a	1	1
ADFG	5/16/2011	2011	Gran Pt	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL with a scar presumed to be from a circumferential neck entanglement was observed. The wound appeared to be healing.	NSI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	0	0
ADFG	5/26/2011	2011	Forrester - West Rk	SEAK	Steller Sea Lion	Eastern US	SI	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	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
WCGOP	5/28/2011	2011	OR	WC	Steller Sea Lion	Eastern US	NSI	Gunshot used to deter Steller sea lions from feeding on the catch.	NSI	Shot	Projectile weapon	Limited entry sablefish hook & line	Hook and line	P9	0	0
ADFG	6/3/2011	2011	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
WCGOP	6/3/2011	2011	CA	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
ADFG	6/4/2011	2011	Forrester - Petrel Is (General)	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/5/2011	2011	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	6/6/2011	2011	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	6/6/2011	2011	Forrester - Lowrie Is: Walts View	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL swallowed troll fishery gear and a flasher was observed trailing from the left side of its mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/7/2011	2011	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	6/7/2011	2011	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	6/7/2011	2011	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/7/2011	2011	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	6/10/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL swallowed troll fishery gear. There was a flasher observed in the animal's mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/11/2011	2011	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/11/2011	2011	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL with a pup was observed with a circumferential neck entanglement possibly caused by a packing band.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	6/11/2011	2011	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Dependent animal with mother seriously injured	Marine debris (unidentified)	N/A		P14	1	0
ADFG	6/14/2011	2011	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	SI	A SSL swallowed troll fishery gear. The flasher was observed trailing from the animal.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
AKRO	6/15/2011	2011	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	SI	A SSL reportedly ingested a hook as evidenced by a white flasher hanging from its mouth. The animal was observed lying down.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/16/2011	2011	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	SI	Adult female SSL swallowed trolling gear, flasher was observed trailing.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
AKRO	6/18/2011	2011	Tenakee	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL ingested a hook and a silver flasher with blue and purple stripes was observed light against the right side of the animal's mouth. The animal was noted as lethargic and was branded W373.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/22/2011	2011	Forrester - Lowrie Is: Boyd 7	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/23/2011	2011	Forrester - Cape Horn Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/23/2011	2011	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL swallowed troll fishery gear and a flasher was observed hanging from the right side of the animal's mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
AKRO	6/25/2011	2011	West Brother Island	SEAK	Steller Sea Lion	Eastern US	SI	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	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	6/26/2011	2011	Sitka	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/27/2011	2011	Forrester - Lowrie Is: Shore 11 Peregrine Rocks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/28/2011	2011	Cape Ommaney	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	6/28/2011	2011	Cape Ommaney	SEAK	Steller Sea Lion	Eastern US	SI	An adult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/28/2011	2011	Inian Islands: Middle Rk	SEAK	Steller Sea Lion	Eastern US	SI	A SSL pup was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	6/28/2011	2011	Inian Islands: Middle Rk	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/28/2011	2011	Cape Ommaney	SEAK	Steller Sea Lion	Eastern US	SI	A SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/29/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/29/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/29/2011	2011	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL swallowed troll fishery gear. The flasher was trailing from the right side of the animal's mouth. The flasher was silver with a vertical purple or blue stripe. The animal was observed being followed by a juvenile.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/30/2011	2011	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement caused by longline gear.	SI	Constricting entanglement	Fishery gear	SEAK unknown longline	Hook and line	P8a	1	1
WCGOP	6/30/2011	2011	OR	WC	Steller Sea Lion	Eastern US	DEAD	An adult female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Shoreside hake midwater trawl	Trawl	N/A	1	1
ADFG	6/30/2011	2011	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SI	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 red rim.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/30/2011	2011	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/30/2011	2011	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/1/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL swallowed troll fishery gear and a flasher was observed hanging from its mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
AKRO	7/2/2011	2011	Haines	SEAK	Steller Sea Lion	Eastern US	DEAD	A SSL swallowed troll fishery gear. There was a flasher and blood observed near the animal's mouth.	DEAD	Hooked	Fishery gear	SEAK unknown troll	Troll	N/A	1	1
ADFG	7/2/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/2/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/3/2011	2011	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement that was caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	7/3/2011	2011	Inian Islands	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	7/3/2011	2011	Forrester - Lowrie Is: Boyd 7	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL swallowed troll fishery gear and a flasher was observed tight to the animal's lips.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/3/2011	2011	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/4/2011	2011	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/4/2011	2011	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/5/2011	2011	Forrester - Lowrie Is: Sunset Point	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/7/2011	2011	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/7/2011	2011	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/7/2011	2011	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL swallowed troll fishery gear. The flasher was observed trailing.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/7/2011	2011	Forrester - Cape Horn Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult SSL swallowed troll fishery gear. The flasher was observed trailing.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/8/2011	2011	Hazy Is - Grassy Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	7/8/2011	2011	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	DEAD	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	Hooked	Fishery gear	SEAK unknown troll	Troll	N/A	1	1
ADFG	7/8/2011	2011	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/9/2011	2011	Forrester - 11S or 11PR From Boat	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/10/2011	2011	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
WCGOP	7/15/2011	2011	CA	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
AKRO	7/26/2011	2011	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	SI	A SSL that had ingested a hook was observed. A flasher was hanging from the right side of its mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	8/7/2011	2011	Juneau	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
WCGOP	8/10/2011	2011	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
AKRO	8/16/2011	2011	Tenakee	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	8/23/2011	2011	Little Is	SEAK	Steller Sea Lion	Eastern US	SI	A SSL pup was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
WCGOP	8/24/2011	2011	CA	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
WCGOP	9/6/2011	2011	CA	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and reportedly released alive.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P7b	0	0
AKRO	9/7/2011	2011	Rocky Island	SEAK	Steller Sea Lion	Eastern US	SI	An adult male SSL was observed with neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	9/7/2011	2011	Rocky Is, near Pt. Couverden	SEAK	Steller Sea Lion	Eastern US	SI	A SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
WCGOP	9/7/2011	2011	CA	WC	Steller Sea Lion	Eastern US	SI	A fishing vessel captain was reported to fire a shotgun at a group of five sea lions. The observer was unsure if any were hit. Out of caution it is assumed the sea lions were injured by the gunshot(s). This is sea lion one of five.	SI	Shot	Projectile weapon	Catch shares bottom trawl	Trawl	P9	1	1
WCGOP	9/7/2011	2011	CA	WC	Steller Sea Lion	Eastern US	SI	A fishing vessel captain was reported to fire a shotgun at a group of five sea lions. The observer was unsure if any were hit. Out of caution it is assumed the sea lions were injured by the gunshot(s). This is sea lion two of five.	SI	Shot	Projectile weapon	Catch shares bottom trawl	Trawl	P9	1	1
WCGOP	9/7/2011	2011	CA	WC	Steller Sea Lion	Eastern US	SI	A fishing vessel captain was reported to fire a shotgun at a group of five sea lions. The observer was unsure if any were hit. Out of caution it is assumed the sea lions were injured by the gunshot(s). This is sea lion three of five.	SI	Shot	Projectile weapon	Catch shares bottom trawl	Trawl	P9	1	1
WCGOP	9/7/2011	2011	CA	WC	Steller Sea Lion	Eastern US	SI	A fishing vessel captain was reported to fire a shotgun at a group of five sea lions. The observer was unsure if any were hit. Out of caution it is assumed the sea lions were injured by the gunshot(s). This is sea lion four of five.	SI	Shot	Projectile weapon	Catch shares bottom trawl	Trawl	P9	1	1
WCGOP	9/7/2011	2011	CA	WC	Steller Sea Lion	Eastern US	SI	A fishing vessel captain was reported to fire a shotgun at a group of five sea lions. The observer was unsure if any were hit. Out of caution it is assumed the sea lions were injured by the gunshot(s). This is sea lion five of five.	SI	Shot	Projectile weapon	Catch shares bottom trawl	Trawl	P9	1	1
AKRO	9/12/2011	2011	Petersburg	SEAK	Steller Sea Lion	Eastern US	SI	An adult male SSL was observed with a tight band around its neck.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	9/15/2011	2011	Juneau	SEAK	Steller Sea Lion	Eastern US	SI	An adult SSL was observed entangled in fishing line and line was wrapped around the animal's neck.	SI	Constricting entanglement	Fishery gear	SEAK unknown monofilament - recreational or commercial	Hook and line	P8a	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
WCGOP	9/30/2011	2011	CA	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
WCGOP	10/18/2011	2011	CA	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
WCGOP	10/24/2011	2011	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear. The animal was freed from the net and appeared to be uninjured.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P7b	0	0
A-SHOP	10/25/2011	2011	OR	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
WCGOP	11/8/2011	2011	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
WCGOP	11/8/2011	2011	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
WCGOP	11/20/2011	2011	CA	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear. The animal was freed from the net and aside for minor wounds caused by the net appeared to be uninjured.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P9	0	0
A-SHOP	12/4/2011	2011	OR	WC	Steller Sea Lion	Eastern US	DEAD	An adult female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
WCGOP	12/29/2011	2011	CA	WC	Steller Sea Lion	Eastern US	DEAD	Three Steller sea lions were caught and killed in trawl gear. This is sea lion one of three.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
WCGOP	12/29/2011	2011	CA	WC	Steller Sea Lion	Eastern US	DEAD	Three Steller sea lions were caught and killed in trawl gear. This is sea lion two of three.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
WCGOP	12/29/2011	2011	CA	WC	Steller Sea Lion	Eastern US	DEAD	Three Steller sea lions were caught and killed in trawl gear. This is sea lion three of three.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
NPGOP	1/30/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A SSL was reported to be killed in a haul. The observer took photos.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	2/24/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A SSL was found dead in the net's cod end. The observer removed and froze the snout as a sample.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	2/24/2011	2011	BSAI (central)	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod trawl	Trawl	N/A	1	1
NPGOP	2/26/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	4/19/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	5/28/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A SSL caught and killed in a haul.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	6/9/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	6/9/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	6/11/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	6/24/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NPGOP	6/27/2011	2011	Central Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
AKRO	7/6/2011	2011	Seward	SCAK	Steller Sea Lion	Western US	SI	A SSL ingested troll fishery gear and a nine inch flasher was observed hanging from its mouth.	SI	Hooked	Fishery gear	SCAK salmon troll - recreational or commercial	Troll	P2	1	1
ADFG	7/11/2011	2011	Wooded Is. (Fish Is), PWS	PWS	Steller Sea Lion	Western US	SI	An adult male SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
NPGOP	8/4/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A SSL was killed in a haul. The observer took photos and removed the head for a sample.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	8/23/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A male SSL was killed in a haul. The observer reported the animal was freshly dead.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	8/31/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A SSL was killed in a haul. The observer reported the animal was freshly dead. The observer took the snout as a sample.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	10/11/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A SSL was killed in a haul. The animal was observed during bag dump. The observer reported the animal was foaming from mouth.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	10/16/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A SSL was found in dead in a live tank following a haul. The animal was reported to be killed by gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	11/6/2011	2011	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A freshly dead SSL was found on the bell following a haul. The animal was reported to be killed by gear. The observer collected the snout as a sample.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
WCGOP	4/12/2011	2011	OR	WC	Unidentified Pinniped	N/A	DEAD	An unidentified sea lion was found dead entangled in longline gear.	DEAD	Entangled / entrapped	Fishery gear	Limited entry sablefish hook & line	Hook and line	N/A	1	1
WCGOP	5/2/2011	2011	CA	WC	Unidentified Pinniped	N/A	SI	A crewmember fired a gun at an unidentified pinniped to deter it. Due to a lack of additional information it is assumed the sea lion was hit resulting in a serious injury.	SI	Shot	Projectile weapon	Limited entry sablefish hook & line	Hook and line	P9	1	1
WCGOP	9/23/2011	2011	OR	WC	Unidentified Pinniped	N/A	NSI	A seal bomb was used to deter an unidentified pinniped from feeding on the catch.	NSI	Percussion	Seal bomb	Limited entry sablefish hook & line	Hook and line	P9	0	0
WCGOP	9/23/2011	2011	OR	WC	Unidentified Pinniped	N/A	NSI	A seal bomb was used to deter an unidentified pinniped from feeding on the catch.	NSI	Percussion	Seal bomb	Limited entry sablefish hook & line	Hook and line	P9	0	0
AKRO	6/20/2011	2011	Prince William Sound	SCAK	Unidentified Whale	N/A	NSI	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	Entangled / entrapped	Fishery gear	N/A	Unknown net	L3	0	0
NPGOP	8/9/2012	2012	Central Bering Sea	WAK	Bearded Seal	Alaska	DEAD	A bearded seal was found dead in a live tank. The animal was reported to be killed by gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	8/29/2012	2012	Eastern Bering Sea	WAK	Bearded Seal	Alaska	DEAD	A bearded seal was found fresh dead in an AK BSAI flatfish trawl haul. Animal was foaming from mouth, reported as killed by gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AMMOP	8/5/2012	2012	Steamer Bay		Dall's Porpoise	Alaska	SI	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	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	S7b	1	1
AKRO	4/17/2012	2012	Kodiak	Kodiak	Fin Whale	Northeast Pacific	SI	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.	DEAD	Entangled / entrapped	Ship's ground tackle	Unknown	Unknown	N/A	1	1
AKRO	8/1/2012	2012	Nome	WAK	Harbor Porpoise	Bering Sea	DEAD	A harbor porpoise was found dead and entangled in a subsistence gillnet offshore from Nome. It was then used for subsistence purposes.	DEAD	Entangled / entrapped	Fishery gear	Nome salmon gillnet - subsistence	Gillnet	N/A	1	1
NPGOP	2/16/2012	2012	Eastern Bering Sea	WAK	Harbor Seal	Bristol Bay	DEAD	A harbor seal was caught and killed in a haul.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	3/16/2012	2012	Eastern Bering Sea	WAK	Harbor Seal	Bristol Bay	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
AKRO	8/9/2012	2012	Petersburg	SEAK	Harbor Seal	Clarence Strait	SI	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	Ship strike	Vessel (government)	N/A		P15	1	0
AKRO	5/1/2012	2012	Juneau	SEAK	Humpback Whale	Central North Pacific	Prorate	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.	NSI	Entangled / entrapped	Fishery gear	SEAK unknown crab pot	Pot	L10	0	0.75
AKRO	5/14/2012	2012	Juneau	SEAK	Humpback Whale	Central North Pacific	SI	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	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L2	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	6/7/2012	2012	Icy Strait	SEAK	Humpback Whale	Central North Pacific	SI	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	Ship strike	Vessel (commercial)	N/A		L6a	1	0
AKRO	6/22/2012	2012	Frederick Sound	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Ship strike	Vessel (commercial)	N/A		L6b	0.2	0
AKRO	7/2/2012	2012	Pt Baker	SEAK	Humpback Whale	Central North Pacific	Prorate	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.	NSI	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L10	0	0
AKRO	7/13/2012	2012	Freshwater Bay	SEAK	Humpback Whale	Central North Pacific	NSI	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	Ship strike	Vessel (recreational)	N/A		L6c	0	0
AKRO	7/17/2012	2012	Haines	SEAK	Humpback Whale	Central North Pacific	Prorate	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.	NSI	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - subsistence	Gillnet	L10	0	0
AKRO	8/5/2012	2012	Hollis	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Fishery gear	SEAK halibut longline - subsistence	Hook and line	L10	0.75	0.75
AKRO	8/6/2012	2012	Cape Suckling	SEAK	Humpback Whale	Central North Pacific	DEAD	A dead 30 foot humpback whale calf was found entangled in gillnet. The animal was moderately decomposed and 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	Entangled / entrapped	Fishery gear	Unknown gillnet	Gillnet	N/A	1	1
AKRO	8/16/2012	2012	Icy Strait	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Ship strike	Vessel (commercial)	N/A		L6b	0.2	0
AKRO	8/30/2012	2012	Sitka	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L10	0.75	0.75
AKRO	6/1/2012	2012	Dutch Harbor	WAK	Humpback Whale	Western North Pacific / Central North Pacific	Prorate	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	Entangled / entrapped	Marine debris (rope and buoy)	N/A		L10	0.75	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	7/1/2012	2012	Seward	SCAK	Humpback Whale	Western North Pacific / Central North Pacific	Prorate	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	Ship strike	Vessel (commercial)	N/A		L6b	0.2	0.2
AKRO	7/9/2012	2012	Seward	SCAK	Humpback Whale	Western North Pacific / Central North Pacific	SI	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	Ship strike	Vessel (commercial)	N/A		L6a	1	0
AKRO	8/3/2012	2012	Uyak Bay	Kodiak	Humpback Whale	Western North Pacific / Central North Pacific	Prorate	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.	NSI	Entangled / entrapped	Fishery gear	GOA / Kodiak unknown Dungeness crab pot	Pot	L10	0	0.75
NPGOP	10/5/2012	2012	BSAI (eastern)	WAK	Humpback Whale	Western North Pacific / Central North Pacific	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	3/2/2012	2012	Eastern Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	SI	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.	NSI	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod longline	Hook and line	S7b	0	0
NPGOP	3/12/2012	2012	Eastern Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	DEAD	A juvenile orca was entangled in longline gear and reported to be killed by gear by the observer.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod longline	Hook and line	N/A	1	1
NPGOP	7/30/2012	2012	Central Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	SI	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	Entangled / entrapped	Fishery gear	N/A	Trawl	S4	1	1
NWRO	5/6/2012	2012	CA	WC	Northern Fur Seal	California / Eastern North Pacific	NSI	Malnutrition, dehydration; deep laceration to ventral side of neck due to net/fishing line no longer on animal. Taken to rehab facility, treated and released with orange rotolag #22371.	NSI	Entangled / entrapped	Fishery gear	Unknown		NA	0	0
NWRO	5/28/2012	2012	CA	WC	Northern Fur Seal	California / Eastern North Pacific	DEAD	Carcass discovered in station cooling water system.	DEAD	Entangled / entrapped	Power Plant			NA	1	0
AKRO	7/12/2012	2012	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	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.	NSI	Constricting entanglement	Marine debris (packing band)	N/A		P7b	0	0
AKRO	7/12/2012	2012	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	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.	NSI	Constricting entanglement	Marine debris (packing band)	N/A		P7b	0	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	7/12/2012	2012	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A six to seven year old male northern fur seal was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	7/12/2012	2012	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A six year old male northern fur seal was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	7/27/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed entangled in a packing band. The animal was captured and disentangled.	NSI	Constricting entanglement	Marine debris (packing band)	N/A		P7b	0	0
AKRO	7/27/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed entangled in an unspecified fishing net. The animal was then captured and disentangled.	NSI	Constricting entanglement	Marine debris (packing band)	N/A		P7b	0	0
AKRO	8/3/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed entangled in a piece of trawl net. The animal was captured and disentangled.	NSI	Constricting entanglement	Marine debris (packing band)	N/A		P7b	0	0
AKRO	8/9/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	An adult female northern fur seal was observed entangled with a fishing net around its neck.	SI	Constricting entanglement	Fishery gear	BSAI unknown net - recreational, commercial, or subsistence	Net	P8a	1	1
AKRO	8/9/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed with green fishing net wound around neck. A 360 degree wound was observed.	SI	Constricting entanglement	Fishery gear	BSAI unknown net - recreational, commercial, or subsistence	Net	P8a	1	1
AKRO	8/11/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	A northern fur seal pup was observed entangled in a white packing band. The pup was captured and disentangled.	NSI	Constricting entanglement	Marine debris (packing band)	N/A		P7b	0	0
AKRO	8/11/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	A four to five year old northern fur seal was observed entangled in a section of fishing net.	SI	Entangled / entrapped	Fishery gear	BSAI unknown trawl - commercial	Trawl	P8a	1	1
AKRO	8/20/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	A young adult female northern fur seal was entangled in a packing band. The animal was captured and disentangled.	NSI	Constricting entanglement	Marine debris (packing band)	N/A		P7b	0	0
AKRO	8/22/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	A five to six year old male northern fur seal was entangled in a packing band. The animal was captured and disentangled.	NSI	Constricting entanglement	Marine debris (packing band)	N/A		P7b	0	0
AKRO	8/22/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	A young male northern fur seal was entangled in trawl netting. The animal was captured and disentangled.	NSI	Entangled / entrapped	Fishery gear	BSAI unknown trawl - commercial	Trawl	P7b	0	1
AKRO	8/23/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	An adult female northern fur seal was observed entangled in green trawl net. The animal was captured and disentangled.	NSI	Entangled / entrapped	Fishery gear	BSAI unknown trawl - commercial	Trawl	P7b	0	1
AKRO	8/27/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	A five year old male northern fur seal was observed with a circumferential neck entanglement. Disentanglement was not attempted.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NPGOP	8/27/2012	2012		AK	Northern Fur Seal	Eastern Pacific	DEAD	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	Entangled / entrapped	Fishery gear	N/A	Unknown	N/A	1	1
AKRO	10/16/2012	2012	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	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	Entangled / entrapped	Marine debris (misc. plastic)	N/A		P8a	1	0
NPGOP	8/5/2012	2012	Eastern Bering Sea	WAK	Ribbon Seal	Alaska	DEAD	A ribbon seal was caught and killed in an AK BSAI flatfish trawl.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	6/5/2012	2012	Eastern Bering Sea	WAK	Ringed Seal	Alaska	DEAD	A ringed seal was caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	6/10/2012	2012	Eastern Bering Sea	WAK	Ringed Seal	Alaska	DEAD	A ringed seal was caught and killed in an AK BSAI flatfish trawl.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	9/9/2012	2012	Eastern Bering Sea	WAK	Ringed Seal	Alaska	DEAD	A ringed seal was caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	5/18/2012	2012	GOA (central)	GOA	Sperm Whale	North Pacific	SI	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.	Prorate	Entangled / entrapped	Fishery gear	AK GOA sablefish longline	Hook and line	L10	0.75	0.75
NPGOP	7/25/2012	2012	GOA (central)	SCAK	Sperm Whale	North Pacific	SI	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.	Prorate	Entangled / entrapped	Fishery gear	AK GOA sablefish longline	Hook and line	L10	0.75	0.75
NPGOP	2/21/2012	2012	Eastern Bering Sea	WAK	Spotted Seal (larga)	Alaska	DEAD	A spotted seal was caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	5/12/2012	2012	Eastern Bering Sea	WAK	Spotted Seal (larga)	Alaska	DEAD	A spotted seal was caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
WCGOP	1/8/2012	2012	WA	WC	Steller Sea Lion	Eastern US	DEAD	An adult Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
NWRO	1/21/2012	2012	Long Beach	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	2/4/2012	2012	WA Coast	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
AKRO	2/29/2012	2012	Hoonah	SEAK	Steller Sea Lion	Eastern US	SI	An adult SSL was observed entangled in a crab pot line. An AK wildlife trooper responded and noted that the line was wrapped around the 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.	NSI	Entangled / entrapped	Fishery gear	SEAK unknown pot	Pot	P9	0	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
WCGOP	3/5/2012	2012	CA	WC	Steller Sea Lion	Eastern US	NSI	Two Steller sea lions were caught in trawl gear and were freed from the net unharmed. Sea lion one of two.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P7b	0	0
WCGOP	3/5/2012	2012	CA	WC	Steller Sea Lion	Eastern US	NSI	Two Steller sea lions were caught in trawl gear and were freed from the net unharmed. Sea lion two of two.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P7b	0	0
SWFSC	3/21/2012	2012	Point Reyes National Seashore	WC	Steller Sea Lion	Eastern US	SI	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'.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	3/23/2012	2012	Long Beach	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
WCGOP	3/25/2012	2012	CA	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and reportedly released alive.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P7b	0	0
ADFG	3/31/2012	2012	Dry Bay, Alesek River	SEAK	Steller Sea Lion	Eastern US	SI	An adult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
WCGOP	4/5/2012	2012	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear. The animal was freed from the net and appeared to be uninjured.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P7b	0	0
WCGOP	4/5/2012	2012	OR	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
WCGOP	4/6/2012	2012	OR	WC	Steller Sea Lion	Eastern US	NSI	Two Steller sea lions were caught in trawl gear, brought on deck, and reportedly released alive. Sea lion two of two.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
WCGOP	4/6/2012	2012	OR	WC	Steller Sea Lion	Eastern US	NSI	Two Steller sea lions were caught in trawl gear, brought on deck, and reportedly released alive. Sea lion one of two.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
ADFG	4/10/2012	2012	Benjamin Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement caused by an unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
WCGOP	4/15/2012	2012	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
WCGOP	4/16/2012	2012	OR	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
NWRO	4/22/2012	2012	Columbia River	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
WCGOP	4/24/2012	2012	CA	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was reported to be caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
WCGOP	4/25/2012	2012	CA	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was reported to be caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
NWRO	4/25/2012	2012	Warrenton	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	4/28/2012	2012	Gearhart	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NWRO	5/3/2012	2012	Long Beach	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
ADFG	5/4/2012	2012	Gran Pt	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
WCGOP	5/7/2012	2012	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
AKRO	5/12/2012	2012	Petersburg	SEAK	Steller Sea Lion	Eastern US	SI	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	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	5/14/2012	2012	Petersburg	SEAK	Steller Sea Lion	Eastern US	DEAD	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 animal's head off but later it was determined the cuts were caused by a circumferential neck entanglement caused by twine.	DEAD	Constricting entanglement	Marine debris (unidentified)	N/A		N/A	1	0
WCGOP	5/19/2012	2012	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
NWRO	5/19/2012	2012	Cannon Beach	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
WCGOP	5/21/2012	2012	CA	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
ADFG	5/24/2012	2012	Benjamin Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
WCGOP	5/28/2012	2012	CA	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and reportedly released alive.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
NWRO	6/2/2012	2012	Gearhart	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	6/3/2012	2012	WA Coast	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
WCGOP	6/5/2012	2012	CA	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
ADFG	6/9/2012	2012	Forrester - West Rk	SEAK	Steller Sea Lion	Eastern US	SI	Subadult male SSL was observed with a deep circumferential neck entanglement caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NWRO	6/10/2012	2012	Sea Lion Caves	WC	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	N/A	Troll	P2	1	1
ADFG	6/12/2012	2012	Forrester - Lowrie Is: Walts View	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL with a scar presumed to be from a circumferential neck entanglement was observed. The wound appeared to be healed.	NSI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	0	0
ADFG	6/14/2012	2012	Forrester - Petrel Is (General)	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement possibly caused by a packing band.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	6/19/2012	2012	Silka	SEAK	Steller Sea Lion	Eastern US	DEAD	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	Hooked	Fishery gear	SEAK unknown troll	Troll	N/A	1	1
ADFG	6/25/2012	2012	Sea Lion Is	SEAK	Steller Sea Lion	Eastern US	SI	A SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/27/2012	2012	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL swallowed troll fishery gear. A flasher was observed tight to the right side of its mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/28/2012	2012	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL swallowed troll gear. A flasher was observed protruding from the animal's mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/29/2012	2012	Hazy Is - Grassy Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
AKRO	6/29/2012	2012	Gustavus	SEAK	Steller Sea Lion	Eastern US	SI	A SSL was observed in a photo with a circumferential neck injury caused by unidentified material.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/29/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	A subadult SSL swallowed troll fishery gear. A flasher was observed hanging one to two feet below the animal's mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/30/2012	2012	Hazy Is - Grassy Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	6/30/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	Adult female SSL observed with a flasher hanging three feet from mouth. @ White Sisters, SEAK.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/1/2012	2012	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/2/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	An adult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/2/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	A SSL swallowed troll fishery gear and was observed with a flasher hanging a foot below its mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/2/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	A male SSL swallowed troll fishery gear and there was a silver and orange flasher observed tight to the animal's left lip.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	7/3/2012	2012	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	7/3/2012	2012	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	SI	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	Dependent animal with mother seriously injured	Fishery gear	SEAK unknown troll	Troll	P14	1	1
ADFG	7/3/2012	2012	Yasha Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/3/2012	2012	Yasha Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL swallowed troll fishery gear. An orange rimmed flasher was observed hanging close to the right side of its mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/3/2012	2012	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/3/2012	2012	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/3/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	An adult male SSL swallowed troll fishery gear and a silver flasher was observed close to the animal's right lip.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/3/2012	2012	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL swallowed troll fishery gear.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/3/2012	2012	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/4/2012	2012	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/4/2012	2012	Sunset Is	SEAK	Steller Sea Lion	Eastern US	SI	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	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	7/4/2012	2012	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A juvenile female SSL was observed with a circumferential neck entanglement caused by a braided yellow rope.	SI	Constricting entanglement	Marine debris (rope)	N/A		P8a	1	0
ADFG	7/4/2012	2012	Forrester - Cape Horn Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult SSL swallowed troll fishery gear. A green flasher was observed hanging from its mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/5/2012	2012	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL swallowed troll fishery gear. A silver flasher with blue trim was observed hanging below its mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
NWRO	7/5/2012	2012	OR Coast	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	7/6/2012	2012	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/6/2012	2012	Forrester - Lowrie Is: Boyd 5	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL swallowed troll fishery gear. A silver and green flasher was observed hanging from the animal's mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/6/2012	2012	Forrester - Lowrie Is: Shore 11 Peregrine Rocks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL swallowed troll fishery gear. A silver flasher with green rim was observed hanging from its mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/7/2012	2012	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SI	An adult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/7/2012	2012	Inian Islands	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL swallowed troll fishery gear. A silver flasher with orange rim was observed hanging from animal's mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/8/2012	2012	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/8/2012	2012	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL swallowed troll fishery gear. There was a holographic flasher observed hanging from the animal's mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	7/13/2012	2012	Club Rck near West Rck, Dixon	SEAK	Steller Sea Lion	Eastern US	SI	A SSL pup was observed with a circumferential neck entanglement caused by multiple wraps of rope around its neck.	SI	Constricting entanglement	Marine debris (rope)	N/A		P8a	1	0
ADFG	7/13/2012	2012	UNKNOWN	SEAK	Steller Sea Lion	Eastern US	SI	A subadult SSL swallowed troll fishery gear. A silver and green flasher was observed hanging from the right side of its mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
AKRO	8/5/2012	2012	Wrangell	SEAK	Steller Sea Lion	Eastern US	SI	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.	NSI	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	P7b	0	1
WCGOP	8/5/2012	2012	CA	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and reportedly released alive.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P7b	0	0
AKRO	8/9/2012	2012	Juneau	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
WCGOP	8/17/2012	2012	OR	WC	Steller Sea Lion	Eastern US	NSI	Gunshots were used to deter Steller sea lions from feeding on the catch.	NSI	Shot	Projectile weapon	Catch shares bottom trawl	Trawl	P9	0	0
WCGOP	8/19/2012	2012	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
AKRO	8/24/2012	2012	Little Island	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	8/24/2012	2012	Little Is	SEAK	Steller Sea Lion	Eastern US	SI	A male SSL swallowed troll fishery gear. A silver flasher with a vertical stripe was observed hanging from its mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
WCGOP	8/31/2012	2012	OR	WC	Steller Sea Lion	Eastern US	NSI	Gunshots were used to deter Steller sea lions.	NSI	Shot	Projectile weapon	Catch shares bottom trawl	Trawl	P9	0	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NWRO	9/6/2012	2012	OR Coast	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
ADFG	9/10/2012	2012	Little Is	SEAK	Steller Sea Lion	Eastern US	SI	Adult female SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	9/10/2012	2012	Little Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male SSL was observed with a deep circumferential neck entanglement caused by unknown material / marine debris.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	9/10/2012	2012	Little Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult male SSL swallowed troll fishery gear. A white and red flasher was observed hanging from its mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
ADFG	9/10/2012	2012	Little Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult male SSL swallowed troll fishery gear. A dark pink flasher was observed hanging from the right side of its mouth.	SI	Hooked	Fishery gear	SEAK unknown troll	Troll	P2	1	1
AKRO	9/15/2012	2012	Elfin Cove	SEAK	Steller Sea Lion	Eastern US	SI	A SSL was observed with a packing band around its neck.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
A-SHOP	9/29/2012	2012	OR	WC	Steller Sea Lion	Eastern US	DEAD	An adult female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
NWRO	10/16/2012	2012	WA Coast	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
WCGOP	10/25/2012	2012	CA	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
NWRO	12/27/2012	2012	Puget Sound	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
NPGOP	1/29/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	2/19/2012	2012	Central Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	2/23/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught in an AK BSAI flatfish trawl haul. The observer noted it was foaming at the mouth and freshly dead.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	3/12/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was reported to be freshly killed by AK BSAI pollock trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	3/29/2012	2012	Central Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was reported to be freshly killed by AK BSAI pollock trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
AKRO	4/28/2012	2012	Seward	SCAK	Steller Sea Lion	Western US	SI	A subadult female SSL was reported with a circumferential neck injury. A photograph confirmed the report.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
NPGOP	5/27/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was reported to be caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	5/29/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was reported to be caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NPGOP	6/8/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was reported to be caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	6/14/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was reported to be caught and killed by AK BSAI pollock trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	6/16/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	6/21/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was reported to be caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	7/8/2012	2012	Central Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was reported to be caught and killed by AK BSAI pollock trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
AKRO	7/23/2012	2012	Resurrection Bay	SCAK	Steller Sea Lion	Western US	SI	A subadult SSL was observed hauled out with a flasher hanging from its mouth.	SI	Hooked	Fishery gear	AK peninsula unknown troll	Troll	P2	1	1
NPGOP	7/30/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was reported to be caught and killed by AK BSAI pollock trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	8/22/2012	2012	GOA (central)	SCAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught in the AK GOA sablefish longline fishery. The animal swallowed a gangion and appeared to have drowned.	DEAD	Hooked	Fishery gear	AK GOA sablefish longline	Hook and line	N/A	1	1
AKRO	8/26/2012	2012	The Grotto haulout	SCAK	Steller Sea Lion	Western US	SI	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	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
AKRO	8/26/2012	2012	The Grotto haulout	SCAK	Steller Sea Lion	Western US	SI	This is the pup of SSL with a seriously injured mother that swallowed troll fishery gear.	SI	Hooked	Fishery gear	Unknown troll	Troll	P14	1	1
NPGOP	9/7/2012	2012	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
ADFG	9/9/2012	2012	Round Is (near Walrus Is)	WAK	Steller Sea Lion	Western US	SI	A subadult SSL was observed with a circumferential neck entanglement caused by a packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
NPGOP	10/8/2012	2012	GOA (western)	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught and killed in AK GOA Pacific cod trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK GOA Pacific cod trawl	Trawl	N/A	1	1
NPGOP	2/23/2012	2012		AK	Steller Sea Lion	Western US / Eastern US	DEAD	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	Entangled / entrapped	Fishery gear	N/A	Unknown	N/A	1	1
AKRO	6/4/2012	2012	Gulf of Alaska	GOA	Unidentified Whale	N/A	NSI	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	Ship strike	Vessel (recreational)	N/A		L6c	0	0
AKRO	7/19/2012	2012	Prince William Sound	SCAK	Unidentified Whale	N/A	Prorate	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	Ship strike	Vessel (unknown)	N/A		L11	0.52	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	8/13/2012	2012	Icy Strait	SEAK	Unidentified Whale	N/A	NSI	A small anchored charter fishing boat was struck by an unknown whale's flukes. The boat was 28 feet long.	NSI	Ship strike	Vessel (commercial)	N/A		L6c	0	0
NPGOP	5/21/2013	2013	Bering Sea	WAK	Bearded Seal	Alaska	DEAD	A male bearded seal was caught and killed by AK BSAI Pacific cod trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod trawl	Trawl	N/A	1	1
AKRO	5/29/2013	2013	Naknek	WAK	Beluga Whale	Bristol Bay	SI	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.	DEAD	Entangled / entrapped	Fishery gear	Bristol Bay (Naknek) king salmon set net - subsistence	Gillnet	N/A	1	1
NPGOP	7/11/2013	2013	Bering Sea	WAK	Beluga Whale	Unknown Stock	DEAD	A beluga whale was caught and killed by AK BSAI trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
AKRO	8/2/2013	2013	Kotzebue	WAK	Harbor Porpoise	Bering Sea	DEAD	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	Entangled / entrapped	Fishery gear	Kotzebue salmon set gillnet - commercial	Gillnet	N/A	1	1
AKRO	7/14/2013	2013	Kenai	SCAK	Harbor Porpoise	Gulf of Alaska	DEAD	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	Entangled / entrapped	Fishery gear	Cook Inlet salmon drift gillnet	Gillnet	N/A	1	1
AMMOP	7/8/2013	2013	LeConte Bay	SEAK	Harbor Porpoise	SE Alaska	SI	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	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	S7b	1	1
AMMOP	7/9/2013	2013	Petersburg	SEAK	Harbor Porpoise	SE Alaska	SI	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.	NSI	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	S7b	0	0
AMMOP	7/31/2013	2013	Zarembo Island	SEAK	Harbor Porpoise	SE Alaska	SI	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.	NSI	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	S7b	0	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AMMOP	8/26/2013	2013	Zarembo Island	SEAK	Harbor Porpoise	SE Alaska	SI	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	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	S7b	1	1
AKRO	6/4/2013	2013	Tyonek	SCAK	Harbor Seal	Cook Inlet/Shellkof	SI	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.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NPGOP	3/23/2013	2013	Gulf of Alaska	GOA	Harbor Seal	South Kodiak	DEAD	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	Entangled / entrapped	Fishery gear	AK GOA flatfish trawl	Trawl	N/A	1	1
NPGOP	4/8/2013	2013	Gulf of Alaska	GOA	Harbor Seal	South Kodiak	DEAD	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	Entangled / entrapped	Fishery gear	AK GOA flatfish trawl	Trawl	N/A	1	1
NPLWERN	5/22/2013	2013	Chilkat Inlet	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Marine debris (rope and buoy)	N/A		L10	0.75	0
AKRO	6/8/2013	2013	Juneau	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Ship strike	Vessel (unknown)	N/A		L7b	0.14	0
AKRO	6/13/2013	2013	Pt. Adolphus	SEAK	Humpback Whale	Central North Pacific	NSI	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	Ship strike	Vessel (commercial)	N/A		L6c	0	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	6/20/2013	2013	Kuiu Island	SEAK	Humpback Whale	Central North Pacific	Prorate	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	Entangled / entrapped	Marine debris (unidentified)	SEAK unknown net		L10	0.75	0
AKRO	6/25/2013	2013	Gustavus	SEAK	Humpback Whale	Central North Pacific	NSI	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	Entangled / entrapped	Fishery gear	SEAK unknown salmon troll	Troll	L4	0	0
AKRO	7/16/2013	2013	Pelican	SEAK	Humpback Whale	Central North Pacific	NSI	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	Ship strike	Vessel (unknown)	N/A		L6c	0	0
AKRO	7/17/2013	2013	Haines	SEAK	Humpback Whale	Central North Pacific	SI	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.	Prorate	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L10	0.75	0.75
AKRO	9/1/2013	2013	Petersburg	SEAK	Humpback Whale	Central North Pacific	Prorate	A number of photos were taken of a concentration of humpback whales observed 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. Prorated using criteria L10 due to a lack of information.	Prorate	Entangled / entrapped	Marine debris (rope)	N/A		L10	0.75	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NPLWERN	9/5/2013	2013	Chatham Strait	SEAK	Humpback Whale	Central North Pacific	SI	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	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L2	1	1
AKRO	4/15/2013	2013	Kodiak	Kodiak	Humpback Whale	Western North Pacific / Central North Pacific	DEAD	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	Entangled / entrapped	Ship's ground tackle	Kodiak Pacific cod jig - commercial	Hook and line	N/A	1	1
AKRO	6/19/2013	2013	Kodiak	Kodiak	Humpback Whale	Western North Pacific / Central North Pacific	NSI	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	Ship strike	Vessel (recreational)	N/A		L6c	0	0
NPGOP	7/5/2013	2013	Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	SI	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	S4	1	1
NPGOP	7/16/2013	2013	Bering Sea	WAK	Killer Whale	Alaska Resident / BSAI, GOA Transient	SI	A killer whale 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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	S4	1	1
AKRO	6/23/2013	2013	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	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	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
NPGOP	5/14/2013	2013	Bering Sea	WAK	Ringed Seal	Alaska	DEAD	A male ringed seal was caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NPGOP	5/21/2013	2013	Bering Sea	WAK	Ringed Seal	N/A	DEAD	A ringed seal was caught and killed by AK BSAI flatfish trawl gear. The animal's species identification was confirmed by genetics.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	5/21/2013	2013	Bering Sea	WAK	Ringed Seal	N/A	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	6/22/2013	2013	Gulf of Alaska	GOA	Sperm Whale	North Pacific	Prorate	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	Entangled / entrapped	Fishery gear	AK GOA sablefish longline	Hook and line	L10	0.75	0.75
NPGOP	8/12/2013	2013	Gulf of Alaska	GOA	Sperm Whale	North Pacific	Prorate	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 the gear that was lost and the possibility that some remained attached to the whale.	Prorate	Entangled / entrapped	Fishery gear	AK GOA sablefish longline	Hook and line	L10	0.75	0.75
NWRO	1/26/2013	2013	Ocean Shores	WC	Steller Sea Lion	Eastern US	DEAD	A dead adult female Steller sea lion was found in Ocean Shores, WA. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	2/6/2013	2013	Moclips	WC	Steller Sea Lion	Eastern US	DEAD	A dead adult female Steller sea lion was found in Moclips, WA. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	2/20/2013	2013	Longview	WC	Steller Sea Lion	Eastern US	DEAD	A dead adult male Steller sea lion was found in Longview, WA. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
WCGOP	2/27/2013	2013	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
WCGOP	2/27/2013	2013	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
NWRO	3/7/2013	2013	Portland	WC	Steller Sea Lion	Eastern US	DEAD	A dead adult male Steller sea lion was found in Portland, OR. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
WCGOP	3/15/2013	2013	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
WCGOP	3/15/2013	2013	OR	WC	Steller Sea Lion	Eastern US	NSI	Gunshots were used to deter Steller sea lions.	NSI	Shot	Projectile weapon	Catch shares bottom trawl	Trawl	P9	0	0
WCGOP	3/16/2013	2013	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and reportedly released alive.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P7b	0	0
WCGOP	3/23/2013	2013	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
NWRO	3/24/2013	2013	Gearhart	WC	Steller Sea Lion	Eastern US	DEAD	A dead subadult male Steller sea lion was found in Gearhart, OR. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
WCGOP	3/27/2013	2013	CA	WC	Steller Sea Lion	Eastern US	NSI	Seal bombs were used to deter Steller sea lions from feeding on the catch.	NSI	Percussion	Seal bomb	Catch shares hook & line	Hook and line	P9	0	0
NWRO	3/28/2013	2013	Warrenton	WC	Steller Sea Lion	Eastern US	DEAD	A dead subadult Steller sea lion was found in Warrenton, OR. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NWRO	4/5/2013	2013	Westport	WC	Steller Sea Lion	Eastern US	DEAD	A dead subadult male Steller sea lion was found in Westport, WA. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	4/11/2013	2013	Florence	WC	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
WCGOP	4/13/2013	2013	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and reportedly released alive unharmed.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P7b	0	0
NWRO	4/29/2013	2013	Seaview	WC	Steller Sea Lion	Eastern US	DEAD	A dead male Steller sea lion pup was found in Seaview, WA. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	5/7/2013	2013	Seaside	WC	Steller Sea Lion	Eastern US	DEAD	A dead subadult female Steller sea lion was found in Seaside, OR. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	5/17/2013	2013	Gearhart, OR	WC	Steller Sea Lion	Eastern US	DEAD	A dead adult female Steller sea lion was found in Gearhart, OR. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	6/9/2013	2013	Warrenton	WC	Steller Sea Lion	Eastern US	DEAD	A dead adult male Steller sea lion was found in Warrenton, OR. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
AKRO	6/11/2013	2013	Glacier Bay	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown salmon troll	Troll	P2	1	1
NWRO	6/17/2013	2013	Milwaukie	WC	Steller Sea Lion	Eastern US	DEAD	A dead adult male Steller sea lion was found in Milwaukie, OR. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
AKRO	7/10/2013	2013	Gustavus	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown salmon troll	Troll	P2	1	1
AKRO	7/11/2013	2013	Gustavus	SEAK	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	SEAK unknown salmon troll	Troll	P2	1	1
NWRO	8/7/2013	2013	Seaview	WC	Steller Sea Lion	Eastern US	DEAD	A dead adult male Steller sea lion was found in Seaview, WA. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	8/18/2013	2013	Manzanita	WC	Steller Sea Lion	Eastern US	DEAD	A dead adult male Steller sea lion was found in Manzanita, OR. A necropsy confirmed that animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
WCGOP	8/24/2013	2013	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and reportedly released alive.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
NWRO	8/26/2013	2013	Seaside	WC	Steller Sea Lion	Eastern US	DEAD	A dead adult male Steller sea lion was found in Seaside, OR. A necropsy confirmed that the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	9/7/2013	2013	Long Beach	WC	Steller Sea Lion	Eastern US	DEAD	A dead male Steller sea lion pup was found in Long Beach, WA. Necropsy confirmed that animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	9/8/2013	2013	Neah Bay	WC	Steller Sea Lion	Eastern US	DEAD	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 animal's mouth and found a fish hook embedded in the animal's tongue.	DEAD	Hooked	Fishery gear	Unknown troll	Troll	N/A	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NWRO	9/9/2013	2013	Florence	WC	Steller Sea Lion	Eastern US	SI	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	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
A-SHOP	9/13/2013	2013	OR	WC	Steller Sea Lion	Eastern US	DEAD	An adult female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
WCGOP	9/17/2013	2013	OR	WC	Steller Sea Lion	Eastern US	SI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal appeared distressed, confused, and laid down, appearing exhausted. It was then coaxed off the vessel with a deck hose. Due to the animal's behavior following entanglement this interaction is considered a serious injury.	SI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	1	1
WCGOP	9/18/2013	2013	OR	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
NWRO	9/30/2013	2013	Yachats	WC	Steller Sea Lion	Eastern US	DEAD	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	Shot	Projectile weapon	N/A		N/A	1	0
WCGOP	10/14/2013	2013	CA	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
WCGOP	10/21/2013	2013	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and brought aboard the fishing vessel. The animal left the boat after being freed from the net.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P7b	0	0
WCGOP	10/25/2013	2013	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and reportedly released alive.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
WCGOP	10/30/2013	2013	OR	WC	Steller Sea Lion	Eastern US	NSI	A Steller sea lion was caught in trawl gear and reportedly released alive.	NSI	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	P4	0	0
WCGOP	10/31/2013	2013	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
A-SHOP	11/7/2013	2013	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
WCGOP	12/11/2013	2013	CA	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	Catch shares bottom trawl	Trawl	N/A	1	1
NPGOP	1/22/2013	2013	Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A male Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	2/2/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	2/6/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	2/20/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A male Steller sea lion was caught and killed by AK BSAI Pacific cod trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod trawl	Trawl	N/A	1	1
NPGOP	5/28/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	5/28/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	5/31/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	6/12/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	6/13/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	6/18/2013	2013	Prince William Sound	SCAK	Steller Sea Lion	Western US	SI	An adult Steller sea lion was reported to be 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	Shot	Projectile weapon	N/A		P9	1	0
NPGOP	6/28/2013	2013	Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A female Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	8/15/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A male Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
AKRO	8/29/2013	2013	Kodiak	Kodiak	Steller Sea Lion	Western US	DEAD	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	Entangled / entrapped	Fishery gear	Kodiak salmon hatchery - commercial	Aquaculture	N/A	1	1
NPGOP	9/5/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A female Steller sea lion was caught and killed by AK BSAI pollock trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	11/3/2013	2013	Eastern Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A female Steller sea lion was caught and killed by AK BSAI flatfish trawl gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	2/23/2013	2013	Eastern Bering Sea	WAK	Unidentified Pinniped	N/A	DEAD	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	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod trawl	Trawl	N/A	1	1
WCGOP	3/4/2013	2013	OR	WC	Unidentified Pinniped	N/A	NSI	A Steller sea lion was caught in trawl gear and reportedly released alive.	NSI	Entangled / entrapped	Fishery gear	Catch Shares bottom trawl	Trawl	P7b	0	0
AKRO	6/14/2013	2013	Aleutians	WAK	Unidentified Whale	N/A	DEAD	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	Ship strike	Vessel (commercial)	N/A		N/A	0	0
NPGOP	3/3/2014	2014	Bering Sea	WAK	Bearded Seal	Alaska	DEAD	A bearded seal was found dead in the vessel's live tank following an AK BSAI flatfish trawl.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	7/27/2014	2014	Bering Sea	WAK	Bearded Seal	Alaska	DEAD	A freshly dead bearded seal was found in the vessel's live tank following an AK BSAI pollock trawl.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
AKRO	6/27/2014	2014	Nome	WAK	Beluga Whale	Eastern Bering	NSI	A live beluga whale was discovered in the morning by a fisherman returning to his gillnet. The subsistence salmon set gillnet had been set the evening before. The whale was observed to be surfacing regularly. Upon closer inspection the fisherman noticed the beluga had punched through the gillnet and only had the anchor line wrapped around its tailstock. After some time to assess the situation the fisherman then cut the anchor line, releasing the beluga alive. A NMML beluga researcher was consulted on whether this interaction qualified as a serious injury- and his opinion was that the beluga would survive the interaction.	NSI	Entangled / entrapped	Fishery gear	Nome salmon set gillnet - subsistence	Gillnet	S7b	0	0
AKRO	7/13/2014	2014	Dutch Harbor	WAK	Fin Whale	Northeast Pacific	DEAD	An 800+ ft container ship's captain discovered that a fresh dead fin whale was lodged on the vessel's bulbous bow. In order to free the dead whale from the bow the vessel had to back down. The Captain believes the vessel struck the whale 75 miles south of Buldir Island. The strike occurred at night and no necropsy was conducted. Assigning cause of death to a ship strike may be speculative as it is possible the whale was already dead when it was picked up by the bulbous bow, though considering the whale appeared to be fresh dead it is likely the whale was killed by the ship.	DEAD	Ship strike	Vessel (commercial)	N/A		N/A	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	7/22/2014	2014	Homer	GOA	Harbor Porpoise	Gulf of Alaska	DEAD	A one to two month old harbor porpoise calf was found dead near the Homer spit. The animal was necropsied and it was determined the animal drowned in a net due to marked pulmonary edema and trauma typical of being in a net.	DEAD	Entangled / entrapped	Fishery gear	N/A	Unknown net	N/A	1	1
AKRO	7/14/2014	2014	Halibut Cove	SCAK	Harbor Seal	Cook Inlet/Shellkof	DEAD	A harbor seal was killed in set gillnet gear. Photographs depict the dead animal's head entangled in the gillnet mesh.	DEAD	Entangled / entrapped	Fishery gear	Cook Inlet salmon set gillnet - commercial or subsistence	Gillnet	N/A	1	1
AKRO	9/5/2014	2014	Kodiak	GOA	Harbor Seal	North Kodiak	DEAD	A harbor seal was caught and killed in a research trawl.	DEAD	Entangled / entrapped	Fishery gear	ADF&G research trawl	Trawl	N/A	1	0
NPGOP	6/28/2014	2014	Aleutian Islands	WAK	Harbor seal / Spotted (larga) seal	Aleutian Islands / Alaska	DEAD	A seal (identified as either a harbor seal or spotted seal) was found in the vessel's live tanks following an AK BSAI rockfish trawl. The observer took photos and the skull as a sample.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI rockfish trawl	Trawl	N/A	1	1
NPGOP	1/6/2014	2014	Bering Sea	WAK	Harbor seal / Spotted (larga) seal	Bristol Bay / Alaska	DEAD	A female seal (identified as either a harbor seal or spotted seal) was caught in an AK BSAI Pacific cod pot. The observer reported the animal had drowned in the pot, and noted foam at the mouth.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod pot	Pot	N/A	1	1
NPGOP	2/6/2014	2014	Bering Sea	WAK	Harbor seal / Spotted (larga) seal	Bristol Bay / Alaska	DEAD	A male seal (identified as either a harbor seal or spotted seal) was caught in an AK BSAI pollock trawl. The observer noted foam at the mouth and a lack of visible decay or smell associated with the carcass. The observer took the snout, length, and photos.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	2/11/2014	2014	Bering Sea	WAK	Harbor seal / Spotted (larga) seal	Bristol Bay / Alaska	DEAD	A seal (identified as either a harbor seal or spotted seal) was caught in AK BSAI pollock trawl gear. The observer noted the animal appeared to have drowned in the net. The observer took photos and saved the head as a specimen.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	9/30/2014	2014	Bering Sea	WAK	Harbor Seal / Spotted (larga) seal	Bristol Bay / Alaska	DEAD	A seal (identified as either a harbor seal or spotted seal) was found dead inside pot gear. During the entanglement the seal ripped the tunnel of the pot gear and the tunnel had to be replaced.	DEAD	Entangled / entrapped	Fishery gear	AK GOA Pacific cod pot	Pot	N/A	1	1
NPGOP	10/5/2014	2014	Bering Sea	WAK	Harbor seal / Spotted (larga) seal	Bristol Bay / Alaska	DEAD	A seal (identified as either a harbor seal or spotted seal) was caught in an AK BSAI Pacific cod pot. The observer took length, photos, and the head as a sample.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod pot	Pot	N/A	1	1
NPGOP	10/28/2014	2014	Bering Sea	WAK	Harbor seal / Spotted (larga) seal	Bristol Bay / Alaska	DEAD	A seal (identified as either a harbor seal or spotted seal) was found freshly dead in an AK BSAI Pacific cod pot.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod pot	Pot	N/A	1	1
NPGOP	12/2/2014	2014	Bering Sea	WAK	Harbor seal / Spotted (larga) seal	Bristol Bay / Alaska	DEAD	A seal (identified as either a harbor seal or spotted seal) was caught in an AK BSAI Pacific cod pot.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod pot	Pot	N/A	1	1
AKRO	4/17/2014	2014	Wrangell	SEAK	Humpback Whale	Central North Pacific	Prorate	A humpback whale was observed to be entangled in unidentified marine debris or gear. The animal was observed by multiple parties dragging a red polyball buoy with several hundred feet of line. Due to the unknown nature and outcome of the remaining entanglement this interaction is prorated under criterion L10.	Prorate	Entangled / entrapped	Marine debris (rope and buoy)	N/A		L10	0.75	0
AKRO	6/15/2014	2014	Gustavus	SEAK	Humpback Whale	Central North Pacific	NSI	A humpback whale struck a 38 ft charter vessel lightly with its fluke as it dove. The boat was making way at forward idle speed and there was no damage to the boat or injury to the crew. The interaction was thought to occur near Icy Strait.	NSI	Ship strike	Vessel (commercial)	N/A		L6c	0	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	6/24/2014	2014	Lynn Canal	SEAK	Humpback Whale	Central North Pacific	Prorate	An adult humpback whale was reported entangled in a tended gillnet set. Due to safety concerns the gear was cut free. Approximately 150 - 250 ft of gillnet likely remained around the head region and forward of the pectoral flippers. Other than being entangled the whale appeared in good condition. According to Ed Lyman's disentanglement database the entanglement was likely life threatening.	Prorate	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L10	0.75	0.75
AKRO	6/30/2014	2014	Chatham Strait	SEAK	Humpback Whale	Central North Pacific	Prorate	A humpback whale was observed trailing several corkline floats from gillnet gear in Chatham Strait. This is possibly the same animal as that reported entangled on 2014078. The full nature of the entanglement is unknown and this event is prorated at L10 due to a lack of information regarding gear configuration.	Prorate	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L10	0.75	0.75
AKRO	7/1/2014	2014	Juneau	SEAK	Humpback Whale	Central North Pacific	DEAD	A fresh dead humpback whale was observed floating in Funter Bay on 7/1/2014. A necropsy was conducted on 7/3/2014. The necropsy showed that whale had been killed in a shipstrike between approximately 6/29/2014 and 7/1/2014 and revealed massive trauma to the head characterized by a fractured left mandible / dislocated right mandible, and laceration to the animal's fluke.	DEAD	Ship strike	Vessel (unknown)	N/A	N/A	1	0	
AKRO	7/2/2014	2014	Clarence Strait	SEAK	Humpback Whale	Central North Pacific	Prorate	A 26 ft cabin cruiser was underway in Clarence Strait at 15-20 knots. When a humpback whale surfaced underneath the vessel. The vessel was lifted up and onboard was disabled. Some comments indicate blood was observed in the water and a whale was seen them in the area the next day with prop marks near the whale's dorsal fin. This interaction is prorated under L11 due to the ship strike and evidence pointing to a laceration injury on the animal.	Prorate	Ship strike	Vessel (unknown)	N/A	L11	0.52	0	
AKRO	7/12/2014	2014	Clarence Strait	SEAK	Humpback Whale	Central North Pacific	Prorate	A fishing vessel's crew reported seeing an entangled humpback whale trailing an A3 polyball 20 - 30 ft behind the animal. The entangled animal was also associated with a smaller whale. Both animals were in a frantic state, possibly due to the entanglement or possibly due to the presence of orcas which were observed in the area. This animal may be the same a 2014099. This interaction is classified under criteria L10 due to the unknown nature of the entanglement.	Prorate	Entangled / entrapped	Marine debris (rope and buoy)	N/A	L10	0.75	0	
AKRO	7/12/2014	2014	Juneau	SEAK	Humpback Whale	Central North Pacific	SI	A report was received that a 120+ ft vessel struck a humpback whale while traveling at 12 knots. The whale was observed immediately after the ship strike and there appeared to be no sign of injury. There was no blood observed in the water. Due to vessel size and speed this event qualifies as L6a and is considered a serious injury.	SI	Ship strike	Vessel (commercial)	N/A	L6a	1	0	
AKRO	7/13/2014	2014	Cholmondeley Sound	SEAK	Humpback Whale	Central North Pacific	Prorate	A subadult humpback whale was observed trailing a red polyball and yellow polypro line. The reporting party cut some of the trailing poly line free from the whale. This whale could possibly be the same 2014098, but this cannot be confirmed and there are differences between the two reported events. Due to the unknown nature and outcome of the remaining entanglement this interaction is prorated under criterion L10.	Prorate	Entangled / entrapped	Marine debris (rope and buoy)	N/A	L10	0.75	0	

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	7/22/2014	2014	Craig	SEAK	Humpback Whale	Central North Pacific	Prorate	A troller reported seeing an adult humpback whale near Craig, AK that was trailing 100 to 250 ft of line and an orange and blue buoy. The whale was reportedly able to dive. No other reports of the animal were received. According to Ed Lyman's whale disentanglement database this is possibly the same whale as 2014098 and 2014097, although this cannot be confirmed.	Prorate	Entangled / entrapped	Marine debris (rope and buoy)	N/A		L10	0.75	0
AKRO	7/26/2014	2014	Juneau	SEAK	Humpback Whale	Central North Pacific	Prorate	A humpback whale was spotted entangled in unidentified gear a couple times over the same day. The whale was towing an orange polyball and bullet buoys about 45 ft behind it. The whale was not seen again. This interaction will be prorated under criterion L10 due to the unknown nature of entanglement and unknown outcome.	Prorate	Entangled / entrapped	Marine debris (rope and buoy)	N/A		L10	0.75	0
AKRO	7/28/2014	2014	Gustavus	SEAK	Humpback Whale	Central North Pacific	NSI	A humpback whale calf was observed with a fishing lure hooked onto one of its flukes. There was no other sign of injury or entanglements, but the whole body was not observed. The hooked calf was observed with its mother. The cow was then observed repeatedly beginning two weeks later without the calf. There is no indication the external hook contributed to the calf's subsequent disappearance. This interaction qualifies as criterion L4, and as such is to be considered a NSI.	NSI	Hooked	Fishery gear	SEAK halibut hook and line - recreational	Hook and line	L4	0	0
AKRO	8/14/2014	2014	Chatham Strait	SEAK	Humpback Whale	Central North Pacific	NSI	A subadult humpback whale became entangled in a sport fishing vessel's anchor line. The whale initially was entangled in an unknown configuration and after a period of time disentangled itself when the anchor grabbed onto the bottom. The whale then shed gear and all gear was recovered. This interaction's final outcome is a NSI, but will be categorized under L10 due to the initial unknown entanglement configuration.	NSI	Entangled / entrapped	Ship's ground tackle	AK commercial passenger fishing vessel	Hook and line	L10	0	0
AKRO	9/7/2014	2014	Juneau	SEAK	Humpback Whale	Central North Pacific	SI	An adult humpback whale was observed entangled in gillnet. A whale disentanglement network responder documented the entanglement and noted multiple wraps of gillnet, a head rope from rostrum to dorsal fin. Gear was noted to be tight in spots and cutting into the whale's body. Accordingly this interaction qualifies under criteria L2 and is considered a serious injury.	SI	Entangled / entrapped	Fishery gear	SEAK salmon drift gillnet - commercial	Gillnet	L2	1	1
AKRO	9/29/2014	2014	Juneau	SEAK	Humpback Whale	Central North Pacific	SI	The captain of a 400+ foot vessel travelling at 15 knots reported grazing a humpback whale. The crew reportedly saw the whale, maneuvered to avoid the animal, and felt a bump associated with hitting the animal. The whale was not seen afterwards. Considered a SI under criterion L6a due to vessel size and speed.	SI	Ship strike	Vessel (government)	N/A		L6a	1	0
AKRO	5/1/2014	2014	Seward	SCAK	Humpback Whale	Western North Pacific / Central North Pacific	Prorate	A subadult humpback whale was reported entangled and trailing a green buoy 30 to 50 feet behind it. Entanglement was thought to originate on the whale's flukes or mouth. This interaction is prorated under criterion L10 due to uncertainties regarding entanglement configuration.	Prorate	Entangled / entrapped	Marine debris (rope and buoy)	N/A		L10	0.75	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	7/26/2014	2014	Kodiak Island	SCAK	Humpback Whale	Western North Pacific / Central North Pacific	DEAD	A humpback whale was struck by a vessel (~400 ft) during a period of poor visibility on 7/26/2014. No one aboard realized the vessel struck a humpback whale until a whale was observed sliding off the bulbous bow when the vessel was put into reverse while pulling into port. The whale appeared dead and sank. Two days later the whale was found floating off Puffin Island and the whale was necropsied on 7/30/2014. The necropsy confirmed the whale was fresh dead and killed by ship strike. There were multiple comminuted fractures of the cranium and ribs.	DEAD	Ship strike	Vessel (government)	N/A		N/A	1	0
AKRO	8/20/2014	2014	Whittier	PWS	Humpback Whale	Western North Pacific / Central North Pacific	SI	A humpback whale was observed in Prince William Sound entangled in what was reported to be shrimp fishery gear. The whale was observed repeatedly on 8/20/2014, but could not be relocated when a rescue effort was mounted on 8/21/2014. The whale was entangled in multiple areas, including its mouth, and appeared to be heavily weighted. This interaction is considered a SI under criterion L2.	SI	Entangled / entrapped	Fishery gear	PWS unknown shrimp pot	Pot	L2	1	1
NWRO	5/12/2014	2014	Lincoln	WC	Northern Fur Seal	California / Eastern North Pacific	DEAD	Two fur seals were found dead and entangled in a massive wad of blue green trawl net. This record is fur seal one of two.	DEAD	Entangled / entrapped	Fishery gear	Unknown trawl	Trawl	NA	1	1
NWRO	5/12/2014	2014	Lincoln	WC	Northern Fur Seal	California / Eastern North Pacific	DEAD	Two fur seals were found dead and entangled in a massive wad of blue green trawl net. This record is fur seal two of two.	DEAD	Entangled / entrapped	Fishery gear	Unknown trawl	Trawl	NA	1	1
NPGOP	5/18/2014	2014	Bering Sea	WAK	Northern Fur Seal	Eastern Pacific	DEAD	A northern fur seal was caught in AK BSAI flatfish trawl gear. The animal was reported by the observer to be freshly killed.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	7/4/2014	2014	Bering Sea	WAK	Northern Fur Seal	Eastern Pacific	NSI	A live northern fur seal was caught in an AK BSAI flatfish trawl and dumped into the live tanks with the catch. The crew was able to wrap the seal in netting and hoist the animal out of the live tank. The animal was released from the net while on the stern ramp, made its way to the water, and swam away on its own power. Reviewed video and consulted with NMML expert for this determination.	NSI	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	P4	0	0
AKRO	7/31/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed with a circumferential neck entanglement caused by line. The entanglement caused a 180 degree wound.	SI	Constricting entanglement	Marine debris (rope)	N/A		P8a	1	0
AKRO	8/6/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	An adult male northern fur seal was observed with a circumferential neck entanglement on St. George Island.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
AKRO	8/7/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A northern fur seal was observed and photographed at St. George Island with a circumferential neck entanglement caused by a trawl net.	SI	Entangled / entrapped	Fishery gear	BSAI unknown trawl - commercial	Trawl	P7b	1	1
AKRO	8/8/2014	2014	St. Paul	WAK	Northern Fur Seal	Eastern Pacific	SI	A northern fur seal was sighted with a circumferential packing band entanglement at St. Paul Island, was disentangled, and released.	NSI	Constricting entanglement	Marine debris (packing band)	N/A		P7b	0	0
AKRO	8/15/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	An adult female northern fur seal was observed entangled in blue line. Researchers were able to capture and disentangle the animal.	NSI	Entangled / entrapped	Marine debris (rope)	N/A		P8a	0	0
AKRO	8/20/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed entangled in a packing band. Researchers were able to disentangle the animal.	NSI	Entangled / entrapped	Marine debris (packing band)	N/A		P8a	0	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	8/21/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult northern fur seal was observed entangled in a blue trawl net. The net was wrapped around the animal's neck and caused a 360 degree wound. Researchers were able to disentangle the animal.	NSI	Constricting entanglement	Fishery gear	BSAI unknown trawl - commercial	Trawl	P8a	0	1
AKRO	8/22/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed with a line wrapped around its neck.	SI	Constricting entanglement	Marine debris (rope)	N/A		P8a	1	0
AKRO	8/26/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed on two occasions with a green line wrapped around its neck. The line was observed to be cutting into the animal's neck.	SI	Constricting entanglement	Marine debris (rope)	N/A		P8a	1	0
AKRO	8/26/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed entangled in green trawl netting. The netting was wrapped around the animal's neck.	SI	Constricting entanglement	Fishery gear	BSAI unknown trawl - commercial	Trawl	P8a	1	1
AKRO	9/5/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed entangled in trawl netting. The netting was wrapped around the animal's neck. The animal was reported to be bright, alert, and responsive, and the wound was not reported to be severe.	SI	Constricting entanglement	Fishery gear	BSAI unknown trawl - commercial	Trawl	P8a	1	1
AKRO	9/11/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed entangled in a large section of trawl netting. The netting was wrapped around the animal's neck.	SI	Constricting entanglement	Fishery gear	BSAI unknown trawl - commercial	Trawl	P8a	1	1
AKRO	9/13/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A male subadult northern fur seal was observed with a solid plastic ring around its neck.	SI	Constricting entanglement	Marine debris (misc. plastic)	N/A		P8a	1	0
AKRO	9/18/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A juvenile female northern fur seal was observed with a circumferential neck entanglement caused by a gray trawl / seine net.	SI	Constricting entanglement	Fishery gear	Unknown net	Net	P8a	1	1
AKRO	9/19/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	An adult northern fur seal was observed with a circumferential neck entanglement caused by a packing band. The packing band caused a 360 degree wound. The animal was noted to be sluggish compared to its peers.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
AKRO	10/4/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed with a circumferential neck entanglement caused by line or a packing band. The wound caused by the packing band was severe and oozing and the injury appeared to be affecting the animal's behavior and comfort.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	10/10/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A female northern fur seal pup was observed with a plastic bag around its neck on 10/10/2014. Under criterion P8a this entanglement qualifies as a serious injury. The pup was resighted without the entanglement the next day resulting in a final outcome of non-serious injury.	NSI	Constricting entanglement	Marine debris (misc. plastic)	N/A		P8a	0	0
AKRO	10/11/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	According to Level A, a pup was observed on 10/11/2014 to be entangled in halibut longline gear. A portion of line and hook was wrapped around the animal's midsection. The seal was resighted the next day. The animal was no longer entangled, but was hooked in the lower jaw and dangling the same section of line.	SI	Hooked	Fishery gear	BSAI halibut longline - commercial	Hook and line	P5a	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	10/12/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A female yearling northern fur seal was observed with a severe circumferential neck entanglement. The object causing the entanglement could not be identified, but was causing a severe 360 degree wound that was cutting deeply into tissue.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	10/12/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed with a section of green trawl netting wrapped around its neck causing a circumferential neck entanglement.	SI	Constricting entanglement	Fishery gear	BSAI unknown trawl - commercial	Trawl	P8a	1	1
AKRO	10/12/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult female northern fur seal was observed with a circumferential neck entanglement caused by green gillnet.	SI	Constricting entanglement	Fishery gear	Unknown gillnet	Gillnet	P8a	1	1
AKRO	10/12/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A pup was observed at St. George that had swallowed long line gear. A hook was penetrating the animal's lower jaw.	SI	Hooked	Fishery gear	BSAI halibut longline - commercial	Hook and line	P5a	1	1
AKRO	10/14/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A northern fur seal pup was observed with a circumferential neck entanglement caused by unidentified marine debris which resembled a potato chip bag.	SI	Constricting entanglement	Marine debris (misc. plastic)	N/A		P8a	1	0
AKRO	10/14/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A male northern fur seal pup was observed on multiple occasions with a hook through the lower jaw. The hook was part of a halibut longline gangion. Despite the injury, the pup was reported to be acting normally.	SI	Hooked	Fishery gear	BSAI halibut longline - commercial	Hook and line	P5a	1	1
AKRO	8/7/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed entangled in gray trawl netting around its neck. The fur seal was tagged with a white all flex tag marked 1067E.	SI	Constricting entanglement	Fishery gear	BSAI unknown trawl - commercial	Trawl	P8a	1	1
AKRO	9/10/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A subadult male northern fur seal was observed with a black rubber band around its neck.	SI	Constricting entanglement	Marine debris (rubber band)	N/A		P8a	1	0
AKRO	10/16/2014	2014	St. George	WAK	Northern Fur Seal	Eastern Pacific	SI	A yearling northern fur seal was observed with a circumferential neck entanglement. The entanglement appeared to be caused by a yellow packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
NPGOP	3/5/2014	2014	Bering Sea	WAK	Ribbon Seal	Alaska	DEAD	A ribbon seal (originally reported by observer to be a northern fur seal) was caught in an AK BSAI Pacific cod trawl. The observer took photos and recorded the animal's length.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod trawl	Trawl	N/A	1	1
NPGOP	6/26/2014	2014	Bering Sea	WAK	Ribbon Seal	Alaska	DEAD	A ribbon seal was caught in an AK BSAI flatfish trawl. The observer reported the animal showed no signs of trauma, other than foam at the mouth. The observer took photos and the animal's head as a specimen.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	7/25/2014	2014	Bering Sea	WAK	Ribbon Seal	Alaska	DEAD	A ribbon seal was caught in an AK BSAI rockfish trawl. The animal was reported to still be warm when it was brought on deck.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI rockfish trawl	Trawl	N/A	1	1
NPGOP	6/5/2014	2014	Baranof Island	GOA	Sperm Whale	North Pacific	Prorate	A sperm whale became entangled in AK GOA sablefish longline gear. The observer noted the whale became tail wrapped and proceeded to rip the longline out of the hydraulics. The captain cut the groundline. This interaction is prorated at L10 because of lack of conclusive information regarding the entanglement and interaction with gear.	Prorate	Entangled / entrapped	Fishery gear	AK GOA sablefish longline	Unknown	L10	0.75	0.75

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NWRO	1/2/2014	2014	Ilwaco, WA	WC	Steller Sea Lion	Eastern US	DEAD	Adult female Steller sea lion reported to be in good body condition was found dead, in a state of moderate decomposition, in Ilwaco, WA. Necropsy conducted confirms the animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	1/3/2014	2014	Seaside, OR	WC	Steller Sea Lion	Eastern US	DEAD	Adult female Steller sea lion reported to be in excellent body condition was found fresh dead in Seaside, OR. Necropsy conducted confirms animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	1/30/2014	2014	Gearhart, OR	WC	Steller Sea Lion	Eastern US	DEAD	Adult male Steller sea lion found in a state of advanced decomposition in Gearhart, OR. Necropsy conducted confirms animal was shot. The carcass was then scavenged by sharks.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	3/13/2014	2014	Arcadia	WC	Steller Sea Lion	Eastern US	DEAD	Adult female Steller sea lion was found in a state of moderate decomposition in Arcadia, OR. A necropsy was conducted which confirmed animal had been shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	3/18/2014	2014	Newport	WC	Steller Sea Lion	Eastern US	DEAD	Juvenile female Steller sea lion was found in a state of advanced decomposition in Newport, OR. No necropsy was conducted but an experienced stranding examiner reports animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
SWFSC	4/1/2014	2014	Fort Bragg	WC	Steller Sea Lion	Eastern US	DEAD	A subadult female Steller sea lion was found dead in Fort Bragg, CA. A necropsy confirmed the animal had been shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	4/6/2014	2014	Bolsted	WC	Steller Sea Lion	Eastern US	DEAD	An adult male Steller sea lion reported to be in excellent body condition was found dead on beach in Pacific County, WA. A necropsy confirmed the animal had been shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	4/22/2014	2014	Seaside	WC	Steller Sea Lion	Eastern US	DEAD	An adult female Steller sea lion reported to be in good body condition was found dead on beach in Seaside, OR. Necropsy conducted which confirms animal had been shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
ADFG	5/9/2014	2014	Benjamin Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a flasher in its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
AKRO	5/18/2014	2014	Juneau	SEAK	Steller Sea Lion	Eastern US	SI	An adult Steller sea lion was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (rope)	N/A		P8a	1	0
A-SHOP	5/22/2014	2014	OR	WC	Steller Sea Lion	Eastern US	DEAD	A male Steller sea lion was caught and killed by trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
NWRO	5/26/2014	2014	Del Rey	WC	Steller Sea Lion	Eastern US	DEAD	An adult female Steller sea lion was found in a state of moderate decomposition in Del Rey, OR. A necropsy was conducted which confirmed animal had been shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
NWRO	5/26/2014	2014	Florence	WC	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed alive with a bullet wound on the left shoulder at Sea Lion Caves - Florence, OR. The animal was observed by a trained observer considered to be credible to be moving with difficulty and was associated with a dependent pup. This record is the seriously injured mother. This is a serious injury under criteria P9.	SI	Shot	Projectile weapon	N/A		P9	1	0
NWRO	5/26/2014	2014	Florence	WC	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed alive with a bullet wound on the left shoulder at Sea Lion Caves - Florence, OR. The animal was observed by a trained observer considered to be credible to be moving with difficulty and was associated with a dependent pup. This record is the dependent animal. This is a serious injury under criteria P14.	SI	Shot	Projectile weapon	N/A		P14	1	0
A-SHOP	5/30/2014	2014	OR	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
AKRO	6/1/2014	2014	Gustavus	SEAK	Steller Sea Lion	Eastern US	SI	A Steller sea lion was observed with a silver flasher hanging near its neck proximal to the right lower jaw.	SI	Hooked	Fishery gear	SEAK salmon troll - recreational or commercial	Troll	P2	1	1
ADFG	6/3/2014	2014	Benjamin Is	SEAK	Steller Sea Lion	Eastern US	SI	A Steller sea lion was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/3/2014	2014	Forrester - Lowrie Is: Shore 11 South	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	6/3/2014	2014	Juneau	SEAK	Steller Sea Lion	Eastern US	SI	An adult female or juvenile male was observed that had swallowed troll fishery gear. A flasher was observed hanging from the animal's mouth.	SI	Hooked	Fishery gear	SEAK salmon troll - recreational or commercial	Troll	P2	1	1
ADFG	6/4/2014	2014	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement caused by a green net.	SI	Constricting entanglement	Fishery gear	Unknown trawl		P8a	1	1
ADFG	6/4/2014	2014	Forrester - Lowrie Is: Walts View	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement caused by a 'thin white strap'. This animal was also reported to have a pup. This record is the pup.	SI	Dependent animal with mother seriously injured	Marine debris (unidentified)	N/A		P14	1	0
ADFG	6/5/2014	2014	Forrester - Lowrie Is: Sunset Point	SEAK	Steller Sea Lion	Eastern US	SI	An adult male Steller sea lion was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/8/2014	2014	Forrester - Lowrie Is: Shore 11 Peregrine Rocks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	6/11/2014	2014	South Marble Island	SEAK	Steller Sea Lion	Eastern US	SI	A Steller sea lion was observed and photographed hauled out at South Marble Island with a flasher hanging from its mouth. The animal swallowed troll gear.	SI	Hooked	Fishery gear	SEAK salmon troll - recreational or commercial	Troll	P2	1	1
NWRO	6/17/2014	2014	Tilamook, OR	WC	Steller Sea Lion	Eastern US	DEAD	Adult female Steller sea lion was found in a state of moderate decomposition in Tilamook, OR. No necropsy was conducted but an experienced stranding examiner reports animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
ADFG	6/19/2014	2014	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement caused by a white packing band. This animal was also reported to have a pup. This record is the mother.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	6/19/2014	2014	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement caused by a white packing band. This animal was also reported to have a pup. This record is the pup.	SI	Dependent animal with mother seriously injured	Marine debris (packing band)	N/A		P14	1	0
ADFG	6/19/2014	2014	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult female Steller sea lion swallowed troll fishery gear and was observed with an orange flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	6/20/2014	2014	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/20/2014	2014	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement possibly caused by a packing band.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/24/2014	2014	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/24/2014	2014	Southwest Brothers Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult Steller sea lion was observed with a circumferential neck entanglement possibly caused by a packing band.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/25/2014	2014	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/25/2014	2014	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/25/2014	2014	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a silver and green flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	6/25/2014	2014	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion swallowed troll fishery gear and was observed with a green flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	6/25/2014	2014	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult male Steller sea lion swallowed troll fishery gear and was observed with a flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	6/26/2014	2014	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/26/2014	2014	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement. The animal was also reported to have a pup. This record is the mother.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/26/2014	2014	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement. This record is the pup.	SI	Dependent animal with mother seriously injured	Marine debris (unidentified)			P14	1	0
ADFG	6/26/2014	2014	Biali Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion swallowed troll fishery gear and was observed with a flasher tight to its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	6/27/2014	2014	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/27/2014	2014	Southwest Brothers Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion was observed with a circumferential neck entanglement caused by a white band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	6/28/2014	2014	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	An adult male Steller sea lion swallowed troll fishery gear and was observed with a flasher fully in its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	6/29/2014	2014	Cape Addington	SEAK	Steller Sea Lion	Eastern US	SI	A subadult female Steller sea lion was observed with a circumferential neck entanglement caused by a black band.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	6/30/2014	2014	Southwest Brothers Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion was observed with a circumferential neck entanglement caused by a packing band. The animal was successfully disentangled.	NSI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	0	0
ADFG	7/1/2014	2014	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult male Steller sea lion swallowed troll fishery gear and was observed with a green flasher tight to its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/1/2014	2014	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult male Steller sea lion swallowed troll fishery gear and was observed with an orange flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/1/2014	2014	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/2/2014	2014	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion was observed with a circumferential neck entanglement caused by a white packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	7/2/2014	2014	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a silver and blue flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/3/2014	2014	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion was observed with a circumferential neck entanglement caused by a blue packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	7/3/2014	2014	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a silver and blue flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/3/2014	2014	Forrester - Sea Lion Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult female Steller sea lion swallowed troll fishery gear and was observed with a green flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/3/2014	2014	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with an orange flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/4/2014	2014	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion was observed with a circumferential neck entanglement caused by a white packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	7/4/2014	2014	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a red, blue, and silver flasher hanging from its chest.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/4/2014	2014	Forrester - East Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with an orange flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/4/2014	2014	Forrester - West Rk	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with an orange flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/4/2014	2014	Forrester - West Rk	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with an orange flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	7/4/2014	2014	Forrester - West Rk	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a green flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/5/2014	2014	Hazy Is - Rocky Is	SEAK	Steller Sea Lion	Eastern US	SI	An adult female SSL swallowed troll fishery gear and was observed with a silver and green flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/5/2014	2014	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult Steller sea lion swallowed troll fishery gear and was observed with a silver and orange flasher tight to its mouth. A response team was able to cut the flasher free, but the ingested hook was left in place.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/5/2014	2014	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a silver and white flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/5/2014	2014	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	An adult male Steller sea lion swallowed troll fishery gear and was observed with a silver and orange flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/5/2014	2014	Graves Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a silver and green flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/6/2014	2014	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/6/2014	2014	Yasha Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult Steller sea lion was observed with a circumferential neck entanglement caused by a white packing band.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
ADFG	7/6/2014	2014	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a silver and orange flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/6/2014	2014	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a silver and orange flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/6/2014	2014	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion swallowed troll fishery gear and was observed with a silver flasher tight to its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/6/2014	2014	Sail Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a silver and green flasher tight to its mouth. Blood was observed on the flasher.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/6/2014	2014	Yasha Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a silver and blue flasher tight to its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/6/2014	2014	Yasha Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult Steller sea lion swallowed troll fishery gear and was observed with an orange and silver flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/6/2014	2014	Forrester - North Rks	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a green flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/7/2014	2014	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion swallowed troll fishery gear and was observed with a silver and green flasher tight to its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/7/2014	2014	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a silver and blue flasher tight to its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
ADFG	7/7/2014	2014	White Sisters	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a gold and orange flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/7/2014	2014	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a green holographic flasher tight to its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/7/2014	2014	Inian Islands: Includes NW Inian and possible Middle Rock	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a silver and blue flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
AKRO	7/8/2014	2014	Gustavus	SEAK	Steller Sea Lion	Eastern US	SI	A Steller sea lion was observed hauled out near Gustavus. The animal had evidently swallowed troll fishery gear and a flasher was observed hanging from its mouth.	SI	Hooked	Fishery gear	SEAK salmon troll - recreational	Troll	P2	1	1
AKRO	7/8/2014	2014	Gustavus	SEAK	Steller Sea Lion	Eastern US	SI	A Steller sea lion was observed hauled out near Gustavus. The animal had evidently swallowed troll fishery gear and a flasher was observed hanging from its mouth.	SI	Hooked	Fishery gear	SEAK salmon troll - recreational or commercial	Troll	P2	1	1
ADFG	7/8/2014	2014	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult Steller sea lion swallowed troll fishery gear and was observed with a pale green flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/8/2014	2014	S. Marble Is	SEAK	Steller Sea Lion	Eastern US	SI	A subadult Steller sea lion swallowed troll fishery gear and was observed with a silver and orange flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/8/2014	2014	Forrester - Lowrie Is: Sunset Point	SEAK	Steller Sea Lion	Eastern US	SI	A subadult Steller sea lion swallowed troll fishery gear and was observed with an orange flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/8/2014	2014	Forrester - Lowrie Is: Linda's Roost	SEAK	Steller Sea Lion	Eastern US	SI	A subadult male Steller sea lion swallowed troll fishery gear and was observed with a green flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
ADFG	7/9/2014	2014	Forrester - Lowrie Is: Walts View	SEAK	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was observed with a circumferential neck entanglement caused by a 'thin white strap'. This animal was also reported to have a pup. This record is the mother.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
NWRO	7/10/2014	2014	Del Rey, OR	WC	Steller Sea Lion	Eastern US	DEAD	Adult female Steller sea lion reported to be in good body condition was found in a state of advanced decomposition in Del Rey, OR. Necropsy conducted confirms animal was shot.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
AKRO	7/24/2014	2014	Juneau	SEAK	Steller Sea Lion	Eastern US	SI	A Steller sea lion was reported to be hauled out on Faust Rock near Juneau. The animal was observed to have a flasher hanging from its mouth.	SI	Hooked	Fishery gear	SEAK salmon troll - recreational or commercial	Troll	P2	1	1
NWRO	8/15/2014	2014	Lincoln City	WC	Steller Sea Lion	Eastern US	DEAD	An adult female Steller sea lion was found dead, in a state of advanced decomposition, in Lincoln City, OR. An external review showed a profound wound across neck from a previous entanglement. No necropsy was conducted. NMML requested photos to assess the severity of the wound. The injury appeared to be a circumferential neck entanglement caused by unknown material / marine debris.	DEAD	Constricting Entanglement	Marine debris (unidentified)	N/A		N/A	1	0

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NWRO	8/21/2014	2014	Fort Stevens	WC	Steller Sea Lion	Eastern US	DEAD	An adult male Steller sea lion was found dead, in a state of advanced decomposition, in Fort Stevens, OR. A necropsy confirmed the animal was shot multiple times. This animal also had what appeared to be propeller injuries.	DEAD	Shot	Projectile weapon	N/A		N/A	1	0
AKRO	8/31/2014	2014	Juneau	SEAK	Steller Sea Lion	Eastern US	SI	The captain of a motor vessel reported seeing a large emaciated Steller sea lion that he thought was dead above the tideline. The animal had a flasher leading from its mouth.	SI	Hooked	Fishery gear	SEAK salmon troll - recreational or commercial	Troll	P2	1	1
AKRO	8/31/2014	2014	Juneau	SEAK	Steller Sea Lion	Eastern US	SI	The captain of a motor vessel reported seeing a robust looking Steller sea lion bull that was hauled out. The animal had a flasher hanging from its mouth.	SI	Hooked	Fishery gear	SEAK salmon troll - recreational or commercial	Troll	P2	1	1
NWRO	9/24/2014	2014	Warrenton	WC	Steller Sea Lion	Eastern US	SI	An adult female Steller sea lion was found alive in Warrenton, OR. The animal's eyes and lower jaw were dislocated. The animal was euthanized and a necropsy was conducted. The examiner suspected the cause of injury was a seal bomb.	DEAD	Body trauma	Explosive	N/A		N/A	1	0
NWRO	10/3/2014	2014	Ocean Shores	WC	Steller Sea Lion	Eastern US	SI	A thin Steller sea lion pup was found alive on the beach on Ocean Shores, WA. Tourists had dragged the pup into the surf before a law enforcement officer arrived and was able to pull it from the surf. After the pup was removed from the surf it was limp and unable to move, but was still alive. It was transferred to a facility for long-term rehab. The sea lion was rehabilitated and released.	NSI	Harassment	Members of the public	N/A		P9	0	0
AKRO	10/3/2014	2014	Hoonah	SEAK	Steller Sea Lion	Eastern US	SI	A five-year old male Steller sea lion branded '=729' was observed hauled out at Cannery Point. The animal had swallowed troll gear and had a flasher hanging from its mouth. The animal was originally reported on 10/3/2014 and legally harvested for subsistence purposes on 10/4/2014.	DEAD	Hooked	Fishery gear	SEAK salmon troll - recreational or commercial	Troll	N/A	1	1
ADFG	10/4/2014	2014	Pt. Sophia, P. Frederick	SEAK	Steller Sea Lion	Eastern US	SI	A Steller sea lion swallowed troll fishery gear and was observed with a flasher hanging from its mouth.	SI	Hooked	Fishery gear	Unknown troll	Troll	P2	1	1
A-SHOP	10/5/2014	2014	OR	WC	Steller Sea Lion	Eastern US	DEAD	A Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
A-SHOP	10/11/2014	2014	OR	WC	Steller Sea Lion	Eastern US	DEAD	A female Steller sea lion was caught and killed in trawl gear.	DEAD	Entangled / entrapped	Fishery gear	At-Sea hake pelagic trawl	Trawl	N/A	1	1
AKRO	10/14/2014	2014	Petersburg	SEAK	Steller Sea Lion	Eastern US	SI	An adult male Steller sea lion was observed hauled out on a buoy near Petersburg. The animal had a circumferential neck entanglement caused by rope and possibly fishing line.	SI	Constricting entanglement	Marine debris (rope)	N/A		P8a	1	0
AKRO	10/14/2014	2014	Gustavus	SEAK	Steller Sea Lion	Eastern US	SI	A Steller sea lion was observed hauled out on the south side of South Marble Island. The animal had a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (packing band)	N/A		P8a	1	0
NPGOP	2/13/2014	2014	Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught in an AK BSAI pollock trawl. The observer reported there were no external injuries or bleeding. The observer collected the snout and took numerous pictures.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1
NPGOP	2/26/2014	2014	Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A freshly dead Steller sea lion was found dead and entangled in AK BSAI Pacific cod longline gear.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod longline	Hook and line	N/A	1	1
NPGOP	2/27/2014	2014	Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught in AK BSAI pollock trawl gear. The observer reported the animal was freshly dead, with no visible signs of injury except for frothy foam emanating from its mouth.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI pollock trawl	Trawl	N/A	1	1

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NPGOP	5/2/2014	2014	Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught in an AK BSAI flatfish trawl. The observer noted the animal had foam emanating from its mouth and collected the snout and took several photos.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	5/18/2014	2014	Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was found in the vessel's fish hold following an AK BSAI flatfish trawl. The observer noted the animal displayed no signs of trauma and also observed blood ooze from an incision when cut. The observer took numerous samples, including the snout, lengths, sex, and photos.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
ADFG	5/23/2014	2014	Cape Newenham	WAK	Steller Sea Lion	Western US	SI	An adult male Steller sea lion was observed with a circumferential neck entanglement.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
NPGOP	5/24/2014	2014	Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was discovered in the vessel's live tank following an AK BSAI flatfish trawl. The observer reported taking photos, the length, and the snout.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	5/30/2014	2014	Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A male Steller sea lion was discovered in the vessel's fish trough following an AK BSAI flatfish trawl. The observer reported collecting the snout and taking pictures.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
NPGOP	6/21/2014	2014	Bering Sea	WAK	Steller Sea Lion	Western US	DEAD	A Steller sea lion was caught in an AK BSAI flatfish trawl. The observer reported taking the animal's snout, length, and photos.	DEAD	Entangled / entrapped	Fishery gear	AK BSAI flatfish trawl	Trawl	N/A	1	1
AKRO	6/30/2014	2014	Seward	GOA	Steller Sea Lion	Western US	SI	An adult female Steller sea lion was observed that had swallowed troll gear. The animal was observed and photographed with a flasher hanging from its mouth.	SI	Hooked	Fishery gear	SCAK salmon troll - recreational or commercial	Troll	P2	1	1
ADFG	7/16/2014	2014	Wooded Is. (Fish Is)	PWS	Steller Sea Lion	Western US	SI	A subadult male Steller sea lion was observed with a circumferential neck entanglement caused by a 'white band'.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
ADFG	7/18/2014	2014	USHAGAT/SW	GOA	Steller Sea Lion	Western US	SI	A Steller sea lion pup was observed with a monofilament line draped over the pup's body and wrapped around the pup's chest and shoulder.	SI	Entangled / entrapped	Fishery gear	N/A	Hook and line	P8a	1	1
ADFG	8/23/2014	2014	Cape Newenham	WAK	Steller Sea Lion	Western US	SI	A subadult Steller sea lion was observed with a circumferential neck entanglement possibly caused by a packing band.	SI	Constricting entanglement	Marine debris (unidentified)	N/A		P8a	1	0
AKRO	5/28/2014	2014	Craig	SEAK	Unidentified Large Whale	N/A	Prorate	An unidentified whale was reported to be entangled in unidentified marine debris / gear and was observed dragging a buoy. The whale was observed once and was not seen again. Due to the unknown nature of entanglement or outcome this interaction will be prorated using criterion L10.	Prorate	Entangled / entrapped	Marine debris (rope and buoy)	N/A		L10	0.75	0
NPGOP	1/8/2014	2014	Bering Sea	WAK	Unidentified Phocid	N/A	DEAD	An unidentified seal (originally reported as a harbor seal by the observer) was caught on an AK BSAI Pacific cod longline. The observer reported the animal appeared to be hooked in the mouth. The seal fell off the longline before it could be brought aboard.	DEAD	Hooked	Fishery gear	AK BSAI Pacific cod longline	Hook and line	N/A	1	1
AKRO	7/27/2014	2014	Whittier	PWS	Unidentified Whale	N/A	Prorate	An unidentified whale was observed entangled in "shrimp mesh netting." The entanglement was reported to be around the animal's tailstock and trailed 20 to 30 feet behind. This interaction will be prorated at L10 due to the unknown nature of the entanglement and unknown outcome.	Prorate	Entangled / entrapped	Fishery gear	PWS unknown shrimp gear	Trawl	L10	0.75	0.75

Appendix Table 1.11 -- Continued.

Source of Record	Date	Year	Location	Area	Common name	Stock	Initial Assessment	NMML Determination Details	Final Determination	Mechanism of Injury	Source of Injury	Fishery Name	Fishery Method	SI Criterion	Value for PBR	Proposed LOF Value
NPGOP	9/26/2014	2014	Bering Sea	WAK	Unidentified Whale	N/A	Prorate	An unidentified whale was observed to be entangled in pot fishery gear. Due to the unknown nature of entanglement or outcome this interaction will be prorated using criterion L10.	Prorate	Entangled / entrapped	Fishery gear	AK BSAI Pacific cod pot	Pot	L10	0.75	0.75

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 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. -- Continued.

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

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

²This table includes only those criteria determined to be serious injuries or case-specific based on expert opinion at the 2007 Workshop (Anderson 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.

³SI = serious injury.

⁴For 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.

⁵Case-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.

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

Appendix Table 2-2. -- Continued.

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. -- Continued.

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 this table include, but are not limited to the following:

- 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., dorsal arching, listlessness)
- Reproductive status (e.g., pregnant, lactating, has dependant calf)
- Natural history (e.g., indigenous, migratory)
- Location of injury (e.g., mouth, head, body, fin, tail, 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, climate stressors)
- Social stressors (e.g., social structure of species, separation of social individuals from the group, cow/calf 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 (spinner dolphins and porpoises notoriously sensitive; bottlenose dolphins robust; many others fall in between, with 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-interaction related case-specific injuries include, but are not limited to the following:

- Entanglement type (e.g., hooked, anchored, entrapment)
- 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 constriction (e.g., tight, loose, multiple wraps)
- 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)
- Entanglement duration
- 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

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

²This table includes only those criteria determined to be serious injuries or case-specific based on expert opinion at the 2007 Workshop (Anderson 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.

³SI = serious injury.

⁴For 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.

⁵Case-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.

Appendix Table 2-3. -- Continued.

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. -- Continued.

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 this table include, but are not limited to the following:

- 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 the following:

- 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 disentanglement
- 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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