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## **SOURCES OF HUMAN-RELATED INJURY AND MORTALITY FOR U.S. PACIFIC WEST COAST MARINE MAMMAL STOCK ASSESSMENTS, 2012-2016**

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# SOURCES OF HUMAN-RELATED INJURY AND MORTALITY FOR U.S. PACIFIC WEST COAST MARINE MAMMAL STOCK ASSESSMENTS, 2012-2016.

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## Summary

The Marine Mammal Protection Act (MMPA) requires the National Marine Fisheries Service (NMFS) to document human-caused mortality, non-serious injury (NSI), and serious injury (SI) of marine mammals, as part of marine mammal stock assessments and to evaluate human-caused injury and mortality levels in the context of potential biological removal (PBR) levels under the MMPA (Wade 1998). NMFS defines SI as “*any injury that will likely result in mortality*”. While documenting mortality is straightforward, distinguishing NSI from SI requires data on injury severity and animal condition, often from challenging environments where thorough examination of animals is not always possible. NMFS updated its SI designation and reporting process in 2012, using guidance from previous SI workshops (Angliss and DeMaster 1998, Andersen *et al.* 2008), expert opinion, and analysis of historical injury cases to develop new criteria for distinguishing SI from NSI (NMFS 2012a, 2012b; NOAA 2012; Moore *et al.* 2013).

This report contains human-caused injury and mortality records of pinnipeds and cetaceans that occur in U.S. west coast waters for the period 2012-2016, for those species evaluated in Pacific region marine mammal stock assessment reports (SARs) (Carretta *et al.* 2016a). Mortality records, while included in this report, were not a part of the SI/NSI status evaluation that included only live animals. Subsistence and directed takes (i.e., gray whales taken by Russian natives) are not reported here but are reported in SARs published by NMFS. Previous serious injury and mortality records, including cases from 2007 through 2015, are published in previous reports (Carretta *et al.* 2013, 2014, 2015b, 2016b, 2017).

Sources of injury data include strandings, disentanglement networks, the public, researchers, and fishery observer programs. Stranding data include records of injured marine mammals at sea and ashore. Injury sources include, but are not limited to, *vessel strikes, gillnet entanglement, pot and trap gear entanglement, shootings, marine debris entanglement, research-related injuries/deaths, hook and line fishery interactions, and entrapment in power plant water intakes*. Most records originate from stranding networks in California, Oregon, and Washington, though a few Alaska records of Eastern North Pacific gray whales (*Eschrichtius robustus*) are included, because this population is assessed in the Pacific region SARs and occurs along the U.S. west coast. Other marine mammals, such as Steller sea lions (*Eumetopias jubatus*), occur in California, Oregon, and Washington waters, but they are assessed in Alaska region SARs (Muto *et al.* 2016) and are not included in this report. Injury determinations for Pacific region species/stocks in the central Pacific from Hawaii westward are also included in separate reports (Bradford and Forney 2014).

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## Methods

The assessment of marine mammals for evidence of human-related injury or death requires application of systematic forensic protocols, combined with expertise in diagnosing trauma (Moore *et al.* 2013). Stranding network personnel may have varying regional standards for assessing causes of death and injury and thorough examination of carcasses or injured animals is not always possible. With respect to the uncertainties in determining whether injuries or deaths are human-related, we reviewed stranding records, including at-sea sightings, from NMFS West Coast and Alaska regional stranding networks. Those records with human-related causes of injury were evaluated using the SI/NSI criteria. Animals whose initial reporting condition was ‘dead’ were not evaluated for SI/NSI. Records of SI, NSI, and dead animals are included in Appendix 4 of this report. Different criteria for injury assessment are used for three taxonomic groups: *pinnipeds*, *large whales*, and *small cetaceans* (NMFS 2012b and Appendices 1-3). Injury determinations (excluding 656 records where an animal’s initial condition was ‘dead’) include 1,196 injury records from 2012 to 2016. Both *initial* and *final* injury determinations are given for each record. For example, a pinniped entangled in gillnet that is constricting or impeding movement is considered seriously injured. This animal may be captured, taken to a rehabilitation center, treated for injuries, and released back into the wild without serious injuries. In the context of categorizing commercial fisheries (based on levels of SI and mortality) for the NMFS List of Fisheries (LOF), this pinniped is considered *seriously injured*. This designation allows evaluation of fishery-specific risk to marine mammals, even though the pinniped was released back into the wild with non-serious injuries. Similar cases involve large whales entangled in fishing gear and subsequent disentanglement efforts. The whale’s injuries may initially be considered serious, especially if the entanglement restricts movement. Successful disentanglement of all gear from a whale without lingering evidence of an entanglement-related health decline or SI may be designated as a NSI. For purposes of the LOF, *initial* injury assessments are used in evaluating individual fisheries. In the context of assessing SI and mortality against PBR levels, the *final* injury assessment or condition is used. In cases where injured pinnipeds are transferred to public display facilities (aquaria) or U.S. Navy marine mammal programs following treatment, because their survival in the wild is questionable, the final injury determination is termed ‘*captivity*’, as the animal is permanently removed from the wild population. This is equivalent to a SI for the purposes of evaluating injuries against PBR.

Most records contain a single anthropogenic source as the cause of injury or death, but animals may show signs of trauma from multiple sources. For example, pinnipeds may be entangled in gillnets and also show evidence of gunshot wounds. Where multiple causes of injury or death are reported by stranding coordinators we make an attempt to identify and categorize the primary cause of death for this report.

### Prorating of serious injuries (large whales only)

Large whales offer the opportunity to track outcomes of human-caused injuries, due to the ability to recognize individuals over time. In addition to ‘NSI’ and ‘SI’ categories, a third category of prorated serious injury (‘SI prorated’) is used for large whales. Prorated SI categories are determined from large whale records where the outcome of the injury is known, based on a review of historical large whale injury cases (NMFS 2012b). For example, 25 vessel-strike cases involving large whales with known outcomes were reviewed and 13 (52%) resulted in a decline in health status or death of the animal (NMFS 2012b). These data are used to inform decision-making on current vessel-strike lacerations where the severity of the laceration (‘superficial’ versus ‘deep’) is

unknown and the vessel's size and speed are unknown. For these cases, SI is prorated by 0.52 to reflect the known outcomes of the 25 cases with vessel-strike lacerations. For cases with sufficient vessel-strike injury details, other SI codes are applied. If a vessel-strike laceration is superficial and does not extend below the blubber layer, this is considered a NSI. If the laceration extends below the blubber layer ('deep'), the whale is considered seriously injured (equivalent to a SI prorate value of 1.0). An example of calculating annual human-caused SI and mortality for large whales as part of the SAR process might include 10 documented vessel-strike lacerations of large whales of unknown severity, where the vessel's size and speed are unknown. Ten large whales with lacerations of unknown severity are counted as  $10 \times 0.52 = 5.2$  cases of SI. If one of these cases were confirmed as a deep laceration, then the calculation would be  $9 \times 0.52 = 4.7 + 1.0 = 5.7$  cases of SI.

## Results

From 2012 to 2016, a total of 1,852 human-related injury (n=1,196) and mortality (n=656) records are summarized by anthropogenic source in Figure 1, Table 1, and Appendix 4. Approximately 88% of all records represent opportunistic reports of beach strandings and at-sea sightings. Only 233 records represent systematic/monitored observations, either fishery observer programs (n=71), monitored research-related activities (n=40), or removals of pinnipeds from the Bonneville Dam area under MMPA Section 120 (n=122). Pinnipeds (n=1,474) were most commonly documented injured or killed by human-related activities, followed by large whales (n=226) and small cetaceans (n=152) (Tables 2-6). Animals initially encountered alive accounted for 1,196 records, which were evaluated and assigned SI/NSI determinations, including 999 pinnipeds, 187 large whales, and 10 small cetaceans (Appendix 4, Tables 7a-c).

The primary causes of pinniped injury and mortality were hook and line fishery interactions (n=290), shootings (n=223), and authorized removals under MMPA Section 120 (n=122) (Tables 3 and 6, Appendix 4). Pinniped injury and mortality records included California sea lions (*Zalophus californianus*) (n=1,072), harbor seals (*Phoca vitulina*) (n=267), northern elephant seals (*Mirounga angustirostris*) (n=79), Guadalupe fur seals (*Arctocephalus townsendi*) (n=23), northern fur seals (*Callorhinus ursinus*) (n=10), unidentified pinnipeds (n=14), unidentified sea lions (n=1), and unidentified otariids (n=5) (Table 2). Approximately one-third (n=484) of pinniped cases involved human intervention and treatment, either in the field or through capture and care at a rehabilitation facility. For those pinnipeds treated at rehabilitation facilities and subsequently released, it is assumed that they survived following treatment and their final injury assessments were NSI. An exception to this involves dependent pups that are released alone post-treatment, which are still considered to be serious injuries. Pinniped records lacking detail regarding whether the animal was released following rehabilitation facility care were determined to be seriously injured. Some pinnipeds were treated and released on site, and their final injury status was case-specific. A number of pinnipeds were euthanized as a result of their injuries (n=130), while others were sent to public display facilities (n=14) because their existing post-treatment condition made survival in the wild unlikely or they were individuals targeted for removal to protect endangered salmon. Of the 1,474 pinniped injury and mortality records, 833 (56%) animals died as a result of their injuries. An additional 268 (18%) pinniped cases were assigned as serious injuries, likely to result in death. Increasing numbers of pinniped strandings in recent years have stretched the resources of rehabilitation facilities on the U.S. west coast and have limited the ability to track the outcome of every pinniped injury case.

Of the 226 large whale records of human-caused injuries and mortalities, 39 whales were initially reported as dead and the remaining 187 were assessed for NSI/SI (Appendix 4, Tables 2, 4, and 7b). The 39 large whale records involving animals found dead were represented by vessel strikes (n=23), fishery-related entanglements (n=15), and entanglement in marine debris (n=1). Of the 187 large whales evaluated for NSI/SI, fishery-related entanglements (n=175) were the most common cause of injury, followed by vessel strikes (n=9) and entanglement in marine debris (n=3). Large whale injury and mortality cases involved humpback whales (*Megaptera novaeangliae*, n=123), followed by gray whales (n=60), unidentified large whales (n=22), fin whales (*Balaenoptera physalus*, n=10), minke whale (*B. acutorostrata*, n=1), sei whale (*B. borealis*, n=1), blue whales (*B. musculus*, n=6), Blainville's beaked whale (*Mesoplodon densirostris*, n=1), Baird's beaked whale (*Berardius bairdii*, n=1), and sperm whales (*Physeter microcephalus*, n=1).

Humpback whale injuries and mortality were most often reported from entanglements in pot/trap fisheries (n=57), followed by unidentified fishing gear (n=49), and vessel strikes (n=13). (Appendix 4). Many humpback whale records involving unidentified fishing gear are likely to represent pot/trap fisheries, because they are the most commonly-identified source of entanglement for the species. Only three records of humpback gillnet entanglements were reported during this period, compared with 12 records for gray whales. Relatively few gillnet entanglements are reported for humpback whales compared with gray whales (Carretta *et al.* 2013, 2014, 2015b, 2016b). This may reflect multiple factors, including seasonal and spatial distribution differences between the two species along the U.S. west coast. The number of gillnets fished along the California coast is greatest in nearshore waters that overlap with the annual gray whale migration. Another factor may simply be that gray whales are nearly 10 times more abundant than humpback whales in this region, so one might expect greater numbers of gillnet interactions.

Gray whales were most commonly observed entangled in pot/trap fisheries (n=21), followed by unidentified fishing gear (n=19), entangling net fisheries (n=12), and marine debris (n=2) (Appendix 4). Many of the unidentified fishing gear cases involving gray whales were likely pot/trap fisheries or entangling net fisheries, based on the percentages of known gear type records involving gray whales. In addition to entanglements, gray whales were killed or injured by vessel strikes (n=6).

Approximately one-quarter (46/187) of large whale injury cases involved human intervention to remove gear. The relatively low percentage of rescue attempts reflects that many entangled whales are seen only once and that adverse weather conditions often prohibit safe disentanglement attempts. Fifteen large whale records initially designated as SI resulted in a final injury status of NSI, the result of successful disentanglement efforts or the animal freeing itself of gear over time (Table 7b). One entangled whale that had an initial SI determination was 'upgraded' to the "SI (prorate)" category after human intervention to remove most of the fishing gear. Forty-one large whale records with initial SI designations retained final injury designations of SI and 4 whales were later found dead (Table 7b). A gray whale initially seen in July 2009 with constricting gillnet and rope cutting into its caudal peduncle was assigned a serious injury status and was resighted in 2010 and 2011, still entangled. This whale was seen again in 2013, free of gear and in apparent good health; thus, the final injury determination for this case was non-serious.

A total of 152 small cetacean records were reviewed but were rarely assessed for SI (n=10) because most were initially reported as dead (n=142). Mortality in gillnets, trawls, and unidentified fisheries accounted for >90% of small cetacean records, and approximately 40% of small cetacean records (n=63) were derived from systematic observer programs or monitored activities. Research-related entanglements of small cetaceans in scientific trawls or nets accounted for 32 records, most

involved Pacific white-sided dolphins (*Lagenorhynchus obliquidens*) (n=30), with one event each for the following species: bottlenose dolphin (*Tursiops truncatus*), and long-beaked common dolphin (*Delphinus capensis*). Of the 30 Pacific white-sided dolphin involved in scientific trawl operations, 26 were killed, 2 were seriously-injured and 2 escaped through a marine mammal excluder device without serious injury. Small cetaceans assessed for injury severity included Pacific white-sided dolphins (*Lagenorhynchus obliquidens*) (n=4), long-beaked common dolphins (n=3), striped dolphin (n=1), unidentified dolphin (n=1) and harbor porpoise (*Phocoena phocoena*) (n=1). (Table 2). Of the 10 small cetacean records assessed for injuries, 5 animals died, 2 were considered non-serious injuries, and 3 records were determined to be a serious injuries (Table 7c).

## Discussion

Most records of human-related injuries and deaths to marine mammals represent opportunistic reports obtained from strandings and at-sea sightings. Stranding data should be considered as a minimum count of human-related injury and mortality because not all carcasses come ashore or are detected. Where evaluated, estimates of recovery rates of cetacean carcasses are consistently quite low (<1% to 33%) across different regions and species, highlighting that observed numbers underestimate true impacts (Kraus *et al.* 2005, Williams *et al.* 2011, Prado *et al.* 2013), even for extremely coastal species (Wells *et al.* 2015, Carretta *et al.* 2016c). Not all human-related impacts are represented in this report, such as military sonars and other anthropogenic sounds that may impact beaked whales and whose effects would be difficult to recognize unless affected animals stranded (Cox *et al.* 2006).

Variability in the assessment and determination of human-related injuries and mortality by responder or region is an unavoidable situation because regional data-recording standards may differ and the ability to thoroughly examine animals may be compromised by weather or accessibility to carcasses (Moore *et al.* 2013). We have made an effort to review only records that have unequivocal or probable human-related impacts and recognize that some cases may be missed because of a failure to recognize human-caused injuries and deaths.

Some serious injuries and deaths attributed to marine debris involve derelict fishing gear that cannot be linked to a specific fishery. In some cases, fishing gear originates from outside of U.S. waters (for example, three northern fur seals were found dead in netting of Chinese origin in 2009, Carretta *et al.* 2014). Impacts of commercial gillnet, pot, and trap fisheries are likely greater than the number of observations because derelict gear may entangle new animals for long periods. Explicit examples include ghost netting that contained harbor seal carcasses of varying states of decomposition, evidence that the net had entangled animals over a long time period (Carretta *et al.* 2013, 2014, 2015b, 2016b).

A small percentage of pinnipeds died after an initial injury assessment of NSI. Nearly all of these animals died during treatment in rehabilitation facilities, with hook-related injuries that appeared superficial (hooks in flippers and/or lip). Post-mortem examinations often revealed causes of death that were unrelated to the visible injury. For example, a California sea lion with a hook in its back was found during necropsy to have sharp fragments of plastic in its stomach. Other cases involved bullets found post-mortem or hooks in the esophagus/stomach, which were not suspected during the initial external examination.

## Acknowledgments

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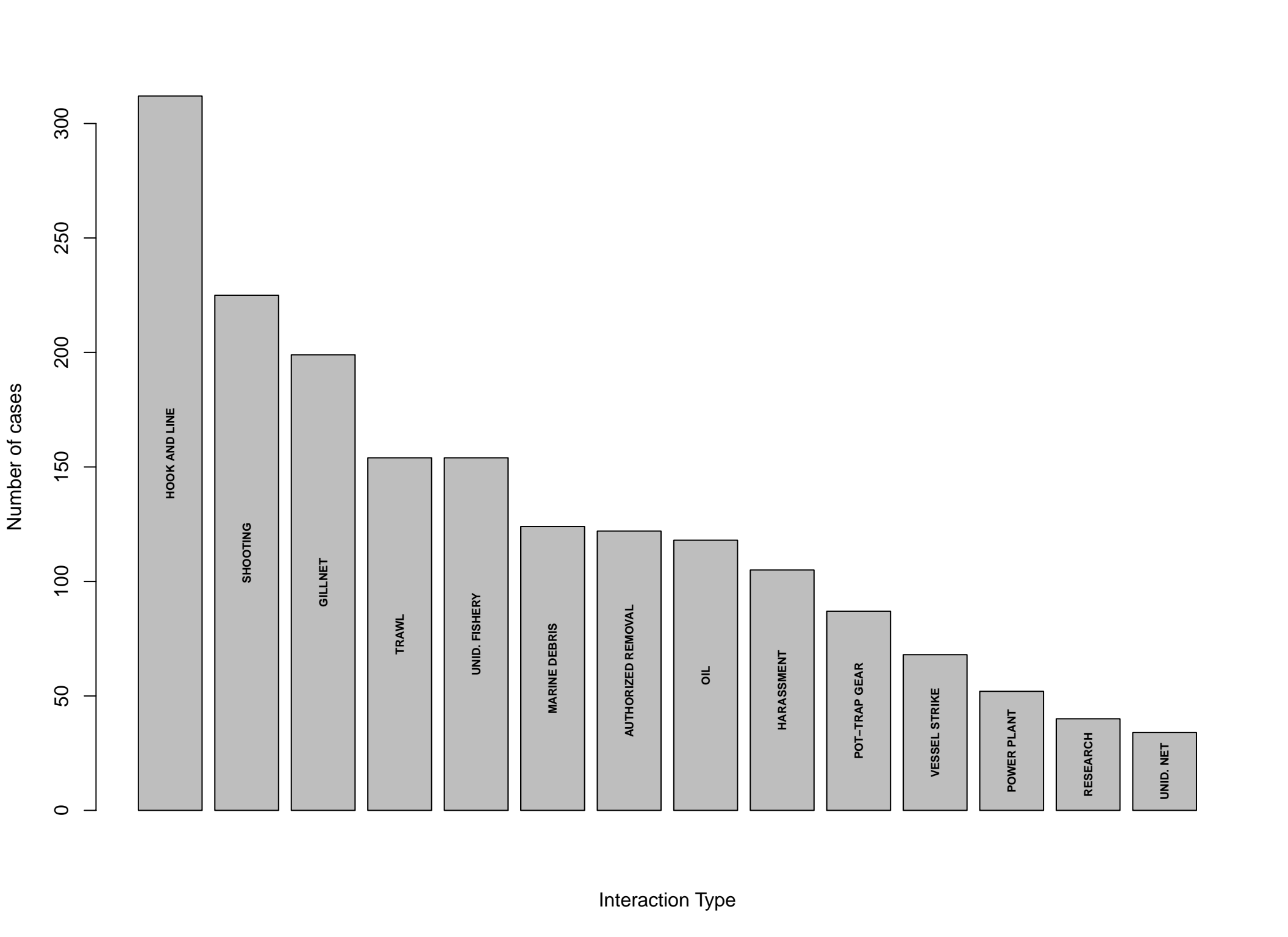


Table 1 (page 1 of 2). Sources of human-caused injury and mortality to marine mammals, 2012–2016.

SOURCE OF HUMAN-CAUSED SERIOUS INJURY OR MORTALITY	NUMBER	CUMULATIVE PERCENT OF TOTAL
HOOK AND LINE FISHERY	296	16
SHOOTING	223	28
UNIDENTIFIED FISHERY INTERACTION	154	36
GILLNET FISHERY	131	43
MARINE DEBRIS	124	50
AUTHORIZED REMOVAL	122	57
OIL / TAR	118	63
HARASSMENT	105	69
CATCHER PROCESSOR MIDWATER TRAWL	74	73
VESSEL STRIKE	68	76
CATCH SHARES BOTTOM TRAWL	52	79
POWER PLANT ENTRAINMENT	52	82
CA SWORDFISH DRIFT GILLNET FISHERY	40	84
SCIENTIFIC RESEARCH	40	86
DUNGENESS CRAB POT FISHERY (CALIFORNIA)	35	88
UNIDENTIFIED NET FISHERY	33	90
UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	29	92
CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	19	93
DOG ATTACK	18	94
OPEN ACCESS CA HALIBUT BOTTOM TRAWL	14	94
UNIDENTIFIED HUMAN INTERACTION	12	95
CATCH SHARES HOOK AND LINE	10	96
HAWAII LONGLINE SHALLOW SET FISHERY	9	96
VEHICLE COLLISION	8	96
CA SPOT PRAWN TRAP FISHERY	7	97
AT-SEA HAKE PELAGIC TRAWL	6	97
DUNGENESS CRAB POT FISHERY (OREGON)	5	97

Table 1 (page 2 of 2). Sources of human-caused injury and mortality to marine mammals, 2012–2016.

SOURCE OF HUMAN-CAUSED SERIOUS INJURY OR MORTALITY	NUMBER	CUMULATIVE PERCENT OF TOTAL
GILLNET FISHERY, TRIBAL	5	98
LIMITED ENTRY SABLEFISH HOOK AND LINE	5	98
ENTRAPMENT	4	98
DUNGENESS CRAB POT FISHERY	3	98
MS CATCHER VESSELS MIDWATER TRAWL	3	98
NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	3	99
BLUNT FORCE TRAUMA	2	99
ELECTRIC SHOCK	2	99
LIMITED ENTRY CA HALIBUT BOTTOM TRAWL	2	99
LIMITED ENTRY SABLEFISH POT FISHERY	2	99
AK BSAI ATKA MACKEREL TRAWL	1	99
AK BSAI FLATFISH TRAWL	1	99
AQUACULTURE FACILITY ENTANGLEMENT	1	99
COD POT FISHERY ENTANGLEMENT	1	99
DUNGENESS CRAB POT FISHERY (RECREATIONAL)	1	99
DUNGENESS CRAB POT FISHERY (WASHINGTON)	1	99
GAFF INJURY	1	99
LOBSTER TRAP ENTANGLEMENT	1	100
NORTHERN WASHINGTON OCEAN TROLL FISHERY, TRIBAL	1	100
SABLEFISH POT FISHERY	1	100
SEAL BOMB	1	100
SET GILLNET FISHERY INTERACTION	1	100
SHOOTING/HOOK AND LINE FISHERY	1	100
SHORESIDE HAKE MIDWATER TRAWL	1	100
SPEARING	1	100
TRIBAL CRAB POT GEAR	1	100
UNIDENTIFIED NET FISHERY/SHOOTING	1	100

Table 2. Final serious injury and mortality designations by species, 2012–2016.

	<b>CAPTIVITY</b>	<b>DEAD</b>	<b>NSI</b>	<b>SI</b>	<b>SI (PRORATE)</b>
<i>BAIRD'S BEAKED WHALE</i>	0	1	0	0	0
<i>BLAINVILLE'S BEAKED WHALE</i>	0	1	0	0	0
<i>BLUE WHALE</i>	0	1	0	2	3
<i>BOTTLENOSE DOLPHIN</i>	0	4	0	0	0
<i>CALIFORNIA SEA LION</i>	14	602	270	186	0
<i>COMMON DOLPHIN, LONG-BEAKED</i>	0	31	0	0	0
<i>COMMON DOLPHIN, SHORT-BEAKED</i>	0	19	0	0	0
<i>DALL'S PORPOISE</i>	0	2	0	0	0
<i>FIN WHALE</i>	0	8	0	2	0
<i>GRAY WHALE</i>	0	14	7	11	28
<i>GUADALUPE FUR SEAL</i>	0	15	6	2	0
<i>HARBOR PORPOISE</i>	0	47	0	0	0
<i>HARBOR SEAL</i>	0	172	41	54	0
<i>HUMPBACK WHALE</i>	0	13	24	23	63
<i>MINKE WHALE</i>	0	1	0	0	0
<i>NORTHERN ELEPHANT SEAL</i>	0	34	29	16	0
<i>NORTHERN FUR SEAL</i>	0	7	2	1	0
<i>NORTHERN RIGHT WHALE DOLPHIN</i>	0	6	0	0	0
<i>PACIFIC WHITE-SIDED DOLPHIN</i>	0	30	2	2	0
<i>RISSO'S DOLPHIN</i>	0	2	0	0	0
<i>SEI WHALE</i>	0	1	0	0	0
<i>SHORT-FINNED PILOT WHALE</i>	0	2	0	0	0
<i>SPERM WHALE</i>	0	1	0	0	0
<i>STRIPED DOLPHIN</i>	0	4	0	0	0
<i>UNIDENTIFIED DOLPHIN</i>	0	0	0	1	0
<i>UNIDENTIFIED OTARIID</i>	0	2	0	3	0
<i>UNIDENTIFIED PINNIPED</i>	0	1	7	6	0
<i>UNIDENTIFIED SEA LION</i>	0	0	1	0	0
<i>UNIDENTIFIED WHALE</i>	0	2	0	1	19

Table 3 (page 1 of 2). Sources of human-caused injury and mortality of pinnipeds, 2012–2016.

<b>SOURCE OF HUMAN-CAUSED SERIOUS INJURY OR MORTALITY</b>	<b>NUMBER</b>	<b>CUMULATIVE PERCENT OF TOTAL</b>
HOOK AND LINE FISHERY	290	20
SHOOTING	223	35
AUTHORIZED REMOVAL	122	43
MARINE DEBRIS	118	51
OIL / TAR	118	59
HARASSMENT	105	66
GILLNET FISHERY	91	72
CATCHER PROCESSOR MIDWATER TRAWL	72	77
POWER PLANT ENTRAINMENT	52	81
CATCH SHARES BOTTOM TRAWL	49	84
UNIDENTIFIED FISHERY INTERACTION	32	86
VESSEL STRIKE	32	88
CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	18	90
DOG ATTACK	18	91
UNIDENTIFIED NET FISHERY	15	92
OPEN ACCESS CA HALIBUT BOTTOM TRAWL	14	93
CA SWORDFISH DRIFT GILLNET FISHERY	13	94
UNIDENTIFIED HUMAN INTERACTION	11	95
CATCH SHARES HOOK AND LINE	10	95
HAWAII LONGLINE SHALLOW SET FISHERY	9	96
SCIENTIFIC RESEARCH	8	96

Table 3 (page 2 of 2). Sources of human-caused injury and mortality of pinnipeds, 2012–2016.

<b>SOURCE OF HUMAN-CAUSED SERIOUS INJURY OR MORTALITY</b>	<b>NUMBER</b>	<b>CUMULATIVE PERCENT OF TOTAL</b>
VEHICLE COLLISION	8	97
AT-SEA HAKE PELAGIC TRAWL	6	97
GILLNET FISHERY, TRIBAL	5	98
LIMITED ENTRY SABLEFISH HOOK AND LINE	5	98
ENTRAPMENT	4	98
MS CATCHER VESSELS MIDWATER TRAWL	3	98
NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	3	99
UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	3	99
BLUNT FORCE TRAUMA	2	99
ELECTRIC SHOCK	2	99
LIMITED ENTRY CA HALIBUT BOTTOM TRAWL	2	99
AK BSAI ATKA MACKEREL TRAWL	1	99
AK BSAI FLATFISH TRAWL	1	99
AQUACULTURE FACILITY ENTANGLEMENT	1	99
GAFF INJURY	1	100
NORTHERN WASHINGTON OCEAN TROLL FISHERY, TRIBAL	1	100
SEAL BOMB	1	100
SET GILLNET FISHERY INTERACTION	1	100
SHOOTING/HOOK AND LINE FISHERY	1	100
SHORESIDE HAKE MIDWATER TRAWL	1	100
SPEARING	1	100
UNIDENTIFIED NET FISHERY/SHOOTING	1	100

Table 4. Sources of human-caused injury and mortality of large whales, 2012–2016.

SOURCE OF HUMAN-CAUSED SERIOUS INJURY OR MORTALITY	NUMBER	CUMULATIVE PERCENT OF TOTAL
UNIDENTIFIED FISHERY INTERACTION	87	38
DUNGENESS CRAB POT FISHERY (CALIFORNIA)	35	54
VESSEL STRIKE	32	68
UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	26	80
GILLNET FISHERY	16	87
CA SPOT PRAWN TRAP FISHERY	7	90
DUNGENESS CRAB POT FISHERY (OREGON)	5	92
MARINE DEBRIS	4	94
DUNGENESS CRAB POT FISHERY	3	95
LIMITED ENTRY SABLEFISH POT FISHERY	2	96
CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	1	96
CA SWORDFISH DRIFT GILLNET FISHERY	1	97
COD POT FISHERY ENTANGLEMENT	1	97
DUNGENESS CRAB POT FISHERY (RECREATIONAL)	1	98
DUNGENESS CRAB POT FISHERY (WASHINGTON)	1	98
LOBSTER TRAP ENTANGLEMENT	1	99
SABLEFISH POT FISHERY	1	99
TRIBAL CRAB POT GEAR	1	100
UNIDENTIFIED NET FISHERY	1	100



Table 5. Sources of human-caused injury and mortality of small cetaceans, 2012–2016.

<b>SOURCE OF HUMAN-CAUSED SERIOUS INJURY OR MORTALITY</b>	<b>NUMBER</b>	<b>CUMULATIVE PERCENT OF TOTAL</b>
UNIDENTIFIED FISHERY INTERACTION	35	23
SCIENTIFIC RESEARCH	32	44
CA SWORDFISH DRIFT GILLNET FISHERY	26	61
GILLNET FISHERY	24	77
UNIDENTIFIED NET FISHERY	17	88
HOOK AND LINE FISHERY	6	92
VESSEL STRIKE	4	95
CATCH SHARES BOTTOM TRAWL	3	97
CATCHER PROCESSOR MIDWATER TRAWL	2	98
MARINE DEBRIS	2	99
UNIDENTIFIED HUMAN INTERACTION	1	100

Table 6. Leading causes of observed human–caused injury and mortality by species, 2012–2016.

<b>SPECIES</b>	<b>SOURCE OF INJURY/MORTALITY</b>	<b>NUMBER OF RECORDS</b>
BAIRD'S BEAKED WHALE	VESSEL STRIKE	1
BLAINVILLE'S BEAKED WHALE	GILLNET FISHERY	1
BLUE WHALE	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	2
BOTTLENOSE DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	1
CALIFORNIA SEA LION	HOOK AND LINE FISHERY	271
COMMON DOLPHIN, LONG–BEAKED	UNIDENTIFIED FISHERY INTERACTION	10
COMMON DOLPHIN, SHORT–BEAKED	CA SWORDFISH DRIFT GILLNET FISHERY	17
DALL'S PORPOISE	CA SWORDFISH DRIFT GILLNET FISHERY	1
FIN WHALE	VESSEL STRIKE	8
GRAY WHALE	UNIDENTIFIED FISHERY INTERACTION	19
GUADALUPE FUR SEAL	MARINE DEBRIS	12
HARBOR PORPOISE	UNIDENTIFIED FISHERY INTERACTION	22
HARBOR SEAL	HARASSMENT	87
HUMPBACK WHALE	UNIDENTIFIED FISHERY INTERACTION	49
MINKE WHALE	MARINE DEBRIS	1
NORTHERN ELEPHANT SEAL	OIL / TAR	22
NORTHERN FUR SEAL	UNIDENTIFIED FISHERY INTERACTION	5
NORTHERN RIGHT WHALE DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	4
PACIFIC WHITE–SIDED DOLPHIN	SCIENTIFIC RESEARCH	30
RISSE'S DOLPHIN	GILLNET FISHERY	1
SEI WHALE	VESSEL STRIKE	1
SHORT–FINNED PILOT WHALE	CA SWORDFISH DRIFT GILLNET FISHERY	2
SPERM WHALE	VESSEL STRIKE	1
STRIPED DOLPHIN	GILLNET FISHERY	3
UNIDENTIFIED DOLPHIN	CATCHER PROCESSOR MIDWATER TRAWL	1
UNIDENTIFIED OTARIID	HAWAII LONGLINE SHALLOW SET FISHERY	3
UNIDENTIFIED PINNIPED	CATCHER PROCESSOR MIDWATER TRAWL	7
UNIDENTIFIED SEA LION	CATCH SHARES BOTTOM TRAWL	1
UNIDENTIFIED WHALE	UNIDENTIFIED FISHERY INTERACTION	15

Table 7a. Matrix of initial (rows) and final (columns) injury determinations for pinnipeds. NSI=non-serious injury, SI=serious injury. Records with initial determinations of ‘ALIVE’ include individual California sea lions targeted for removal at Bonneville Dam to protect endangered salmon under authority of the MMPA Section 120.

	CAPTIVITY	DEAD	NSI	SI
ALIVE	7	121	0	0
NSI	2	12	149	13
SI	5	228	207	255

Table 7b. Matrix of initial (rows) and final (columns) injury determinations for large whales. NSI=non-serious injury, SI=serious injury.

	DEAD	NSI	SI	SI (PRORATE)
NSI	0	11	0	0
SI	4	14	38	1
SI (PRORATE)	0	6	0	113

Table 7c. Matrix of initial (rows) and final (columns) injury determinations for small cetaceans. NSI=non-serious injury, SI=serious injury.

	DEAD	NSI	SI
ALIVE	3	0	1
NSI	0	2	0
SI	2	0	2

**Summary of Pinniped<sup>1</sup> 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>			
<b>Category</b>	<b>Injury/Information</b>	<b>Injury Determination<sup>2</sup></b>	<b>Additional factors for evaluating whether “case specific” injuries are serious or non-serious (additional factors at end of table) *</b>
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 <sup>3</sup>	
P2	Ingested gear <sup>4</sup> or hook(s)	SI	
P3	Visible blood loss	Case specific <sup>5</sup>	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

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

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

<sup>3</sup> SI = serious injury.

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

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

## Appendix 1. Pinniped Injury Criteria (NOAA 2012)

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 <sup>6</sup> 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 <sup>7</sup>	
P6	Gear attached in any manner to free-swimming animal with potential <sup>8</sup> 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 <sup>9</sup> 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 <sup>10</sup> by foreign object or body cavity exposure	SI	

<sup>6</sup> 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.

<sup>7</sup> NSI = non-serious injury.

<sup>8</sup> 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.

<sup>9</sup> 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.

<sup>10</sup> 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 1. Pinniped Injury Criteria (NOAA 2012)

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 Table 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 Table 3 include, but are not limited to:

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

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

- Entanglement type (e.g., hooked, anchored, entrapment)
- Amount and size of gear (e.g., size, length and number of lines; number of buoys, traps or anchors; volume of netting; material of gear)
- Method of handling the animal during 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

Appendix 2. Large whale injury criteria (NOAA 2012).

**Summary of Large Cetacean<sup>1</sup> 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 <sup>2</sup> or hook(s)	SI <sup>3</sup>	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 <sup>4</sup>	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 <sup>5</sup>	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 <sup>6</sup> : 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

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

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

<sup>3</sup> SI = Serious Injury.

<sup>4</sup> NSI = Non-Serious Injury.

<sup>5</sup> 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.

<sup>6</sup> "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 2. Large whale injury criteria (NOAA 2012).

L6c	Vessel any size $\leq 10$ 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 <sup>7</sup>	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

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



Appendix 3. Small cetacean injury criteria (NOAA 2012).

**Summary of Small Cetacean<sup>1</sup> 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 <sup>2</sup>	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 <sup>3</sup>	
S2	Ingested gear <sup>4</sup> or hook(s)	SI	
S3	Visible blood loss	Case specific <sup>5</sup>	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 <sup>6</sup> 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

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

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

<sup>3</sup> SI = serious injury.

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

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

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

Appendix 3. Small cetacean injury criteria (NOAA 2012).

S6	Gear attached to free-swimming animal with potential <sup>7</sup> 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 <sup>8</sup> 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 <sup>9</sup> 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	

<sup>7</sup> 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.

<sup>8</sup> 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.

<sup>9</sup> 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 3. Small cetacean injury criteria (NOAA 2012).

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 Table 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 Table 2 include, but are not limited to:

- Species
- Age or age class (e.g., calf, juvenile, adult)
- Sex
- Size of animal
- Overall health (e.g., nutritional status, body condition, pre-existing disease state, pre-existing injuries)
- Behavior during and/or after injury-causing interaction (e.g., 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:

- 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 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
BAIRD'S BEAKED WHALE	CA-OR-WA	2016	8	29	VESSEL STRIKE	MARIN	CA	DEAD	THE DISTAL END OF THE PEDUNCLE AND THE FLUKES HAD BEEN SEVERED OFF, LIKELY PERIMORTEM. STANDARD LENGTH MEASUREMENT IS TO THE SEVERED PEDUNCLE. LIMITED NECROPSY DUE TO THE LEVEL OF DECOMPOSITION.	DEAD	L5A	1	N	Y
BLAINVILLE'S BEAKED WHALE	CA-OR-WA	2016	10	9	GILLNET FISHERY	CLALLAM	WA	DEAD	DETERMINED VIA EXTERNAL AND INTERNAL EXAM, HISTOLOGY. SEVERAL EVENLY SPACED (5CM BETWEEN EACH "X") CROSSHATCH MARKS ON FRONT OF ROSTRUM AND SIDES OF HEAD. THIN INDENTATIONS ON LEFT AND RIGHT SIDES OF BEAK THAT APPEAR TO WRAP AROUND BEAK. DIFFUSE BRUISING THROUGHOUT HEAD BLUBBER, SEVERE ON RIGHT SIDE BEHIND BLOWHOLE, WITH EDEMATOUS MUSCLE BENEATH. BODY BRUISING, PARTICULARLY ON ENTIRE VENTRAL SIDE OF THE ANIMAL AND ALONG THE TIPS OF THE DORSAL VERTEBRAL PROCESSES. EVIDENCE OF POSSIBLE DROWNING, CONFIRMED VIA HISTOLOGY. ALSO INGESTED 15CM LONG PIECE OF BLACK KNOTTED ROPE (3CM DIAMETER).	DEAD	NA	1	Y	Y
BLUE WHALE	EASTERN N PACIFIC	2015	9	4	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	LOS ANGELES	CA	SI (PRORATE)	OVERHEAD CAMERA FOOTAGE INDICATES THAT GEAR ORIGINATES FROM MOUTH OR RIGHT PECTORAL AND RUNS ALONG BODY, POSSIBLY TWO LINES, ONE OVER THE FLUKES AND ANOTHER UNDER THE FLUKES THEN APPROX 40 FT BEHIND WHALE, THEN WRAPS/TWISTS TOGETHER AND GOES BACK 400+ FEET; CDFW CONCURS IS CONSISTENT WITH DEEP SET TRAP, POSSIBLY HAGFISH, SABLEFISH, OR SPOT PRAWN. CONFIGURATION OF GEAR UNKNOWN AND CANNOT TELL IF GEAR IS CONSTRICTING OR LOOSELY WRAPPED. WHALE REPORTED AS SWIMMING AND DIVING, BUT NOT ENOUGH TO SUBMERGE BODY. WHALE APPEARS SLIGHTLY THIN, IMPLYING A DECLINE IN HEALTH STATUS DUE TO THE TRAILING GEAR. SERIOUS INJURY PRORATION VALUE IS ASSIGNED AS = 1 FOR THIS REASON. PHOTOS AND VIDEO REVIEWED BY J. CARRETTA, J. GILPATRICK, M. LYNN AND A. HENRY.	SI (PRORATE)	L10	1	Y	Y
BLUE WHALE	EASTERN N PACIFIC	2016	6	26	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	SAN DIEGO	CA	SI	35 MILES WEST OF PT. LOMA. TRAILING 2 RED BULLET BUOYS WITH PURPLE T6 CDFW DUNGENESS CRAB BUOY TAG; LINE WRAPPED THROUGH MOUTH OR AROUND PECTORAL FIN. GEAR WAS ORIGINALLY SET OFF SAN LUIS OBISPO IN 40 - 70 FATHOMS OF WATER. WHALE SEEN NEXT DAY, LOGGING AT SURFACE, WHICH IS ABNORMAL BEHAVIOR FOR A BLUE WHALE. UNSUCCESSFUL ATTEMPT AT DISENTANGLING WHALE. FULL CONFIGURATION OF GEAR UNKNOWN. THIS IS A SERIOUS INJURY BECAUSE OF THE NOTED HEALTH DECLINE OF THE WHALE.	SI	L10	1	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
BLUE WHALE	EASTERN N PACIFIC	2016	7	14	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	LOS ANGELES	CA	SI	SEEN OFF LOS ANGELES TRAILING BUOYS AND LINE. MULTIPLE RESIGHTS AS FAR NORTH AS SANTA CRUZ COUNTY. SEEN ACTIVELY FEEDING WITH OTHER BLUE WHALES THROUGH EARLY OCTOBER. FINAL SIGHTING WAS IN OCTOBER OFF OF LOS ANGELES. WHALE BODY CONDITION WAS DESCRIBED AS 'EMACIATED' IN AUGUST AND 'FAIR' IN OCTOBER. LINE WRAPPED AROUND BODY, 2 YELLOW BUOYS WITH BLUE TIPS, TRAILING 30 FEET BEHIND WHALE, SPACED 1 FM APART, PURPLE CDFW DUNGENESS CRAB BUOY TAG VISIBLE, VIDEO SHOWS ALGAE AND BARNACLE GROWTH ON ROPE AND BUOYS, COMPRESSION OF BUOYS. UNCERTAINTY OVER WHETHER LINE EXTENDS THROUGH MOUTH OR JUST OVER PECTORAL FLIPPERS. HEALTH DECLINE AND TWO CRISS-CROSSED TIGHT WRAPS OF LINE POSTERIOR OF DORSAL AROUND BODY WARRANTS SERIOUS INJURY DUE TO CONSTRICTING GEAR.	SI	L2	1	Y	Y
BLUE WHALE	EASTERN N PACIFIC	2016	8	15	UNIDENTIFIED FISHERY INTERACTION	SAN FRANCISCO	CA	SI (PRORATE)	REPORT OF AN ENTANGLED WHALE FROM POINT BLUE CONSERVATION GROUP NEAR THE FARALLON ISLANDS. NO PHOTOS OR ADDITIONAL INFORMATION. AMOUNT OF GEAR AND CONFIGURATION UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
BLUE WHALE	EASTERN N PACIFIC	2016	8	28	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	2 BLACK OR GREEN BUOYS WITH ABUNDANT MARINE GROWTH TRAILING BEHIND WHALE ABOUT 20-30 FEET, NO TAIL ENTANGLEMENT POSSIBLY PECTORAL FIN. AMOUNT AND CONFIGURATION OF GEAR UNKNOWN. NO PHOTOS.	SI (PRORATE)	L10	0.75	Y	Y
BLUE WHALE	EASTERN N PACIFIC	2016	10	26	VESSEL STRIKE	SAN MATEO	CA	DEAD	MODERATELY DECOMPOSED 65-FOOT LONG BLUE WHALE NECROPSIED BY THE MARINE MAMMAL CENTER, FINDINGS OF BLUNT FORCE TRAUMA. SOME UNCERTAINTY WHETHER OR NOT VESSEL STRIKE WAS POST-MORTEM.	DEAD	NA	1	N	Y
BOTTLENOSE DOLPHIN	CALIFORNIA COASTAL	2012	2	22	MARINE DEBRIS	SAN DIEGO	CA	DEAD	DOLPHIN WAS FOUND FLOATING UNDER U.S. NAVY MARINE MAMMAL PROGRAM'S DOLPHIN PEN DOCK, OUTSIDE OF THEIR DOLPHIN ENCLOSURES. IT IS THOUGHT THAT THE ANIMAL MAY HAVE BECOME ENTRAPPED, EITHER INITIALLY ENTANGLED OR COULD NOT FIND ITS WAY OUT OF NET CURTAIN. IDENTIFIED AS COASTAL STOCK ANIMAL VIA GENETICS.	DEAD	NA	1	N	Y
BOTTLENOSE DOLPHIN	CALIFORNIA COASTAL	2012	10	16	SCIENTIFIC RESEARCH	SAN LUIS OBISPO	CA	DEAD	ANIMAL CAUGHT IN SEA OTTER RESEARCH NET.	DEAD	NA	1	N	Y
BOTTLENOSE DOLPHIN	CALIFORNIA COASTAL	2013	2	25	UNIDENTIFIED NET FISHERY	SAN DIEGO	CA	DEAD	CLEAR MULTIFILAMENT ROPE IMPRESSIONS ON THE ROSTRUM, MELON, AXILLA AND BODY. ANIMAL IDENTIFIED AS COASTAL STOCK VIA GENETICS.	DEAD	NA	1	Y	Y
BOTTLENOSE DOLPHIN	CA-OR-WA OFFSHORE	2014	1	3	CA SWORDFISH DRIFT GILLNET FISHERY	SAN DIEGO	CA	DEAD	SELF-REPORTED BY VESSEL CAPTAIN. NO DETAILS OTHER THAN KILLED. ASSUMED TO BE PART OF OFFSHORE CA/OR/WA STOCK BASED ON TYPICAL FISHING LOCATIONS FOR THIS FISHERY.	DEAD	NA	1	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2012	1	3	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	1	5	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET AROUND NECK. TRANSFERRED TO REHAB FACILITY, TREATED AND RELEASED. ROTOTAG NUMBER 17883	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2012	1	9	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUND FISH OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	1	9	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUND FISH OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	1	9	SHOOTING	CLATSOP	OR	SI	SHOTGUN PELLET FOUND AT RIGHT VENTRAL MANDIBLE, METAL SHARD FOUND AT LEFT LOWER EYELID; THREE LARGE TUMORS LOCATED BETWEEN KIDNEYS, DIED ON 1/11/2012.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	1	9	SHOOTING	GRAYS HARBOR	WA	DEAD	GUNSHOT TRACKING THROUGH RIGHT SIDE ORF HEAD, HYOID, BROKEN BONE, PERFORATED ESOPHAGUS, AND SHARDS OF BULLET FOUND BEHIND RIGHT EAR.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	1	12	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	1	13	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	1	13	SHOOTING	PIERCE	WA	DEAD	BULLETS #1 AND #2, BOTH TRACKING IN FROM RIGHT SIDE OF THE HEAD AND INTO THE SKULL.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	1	15	SHOOTING	MONTEREY	CA	SI	EUTHANIZED IN REHABILITATION FACILITY. NECROPSY PERFORMED	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	1	17	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	1	17	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	1	17	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	1	17	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	1	18	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	1	18	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	1	19	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	1	19	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	1	22	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM. TRACKING WOUND ENTERING INTO THORACIC CAVITY AND	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	1	23	SHOOTING	KING	WA	DEAD	INTO LUNGS, FOUND BULLET IN LEFT LOBE OF LUNGS. THIN; FISHING LINE AND HOOKS IN MOUTH; FISHING LINE UNDER RIGHT REAR FLIPPER; MUCOUS MEMBRANES WHITE. TAKEN INTO REHAB, TREATED AND RELEASED. TAGGED	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	1	25	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	WITH ORANGE ROTOTAG 26132.	NSI	P5A	0	N	N
CALIFORNIA SEA LION	U.S.	2012	1	28	SHOOTING	THURSTON	WA	DEAD	RADIOGRAPHS SHOWED TWO BULLETS IN SKULL, BOTH FOUND UPON INTERNAL EXAMINATION OF SKULL. TWO TRACKING GUNSHOT WOUNDS FROM DORSAL SIDE OF HEAD AND NECK.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	1	30	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	REPEATEDLY CLIMBED ABOARD VESSEL. SMALL JUVENILE SEA LION. CREW THOUGHT IT MIGHT BE SICK SO THEY BROUGHT IT BACK TO HARBOR. ANIMAL WAS TRANSFERRED TO REHAB FACILITY.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2012	2	2	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	2	4	SHOOTING	CLATSOP	OR	DEAD	SMALL BULLET HOLE AT RIGHT ANTERIOR FLIPPER; HEAD GONE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	2	5	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	SCATTERGOOD GENERATING STATION. ANIMAL ENTERED THROUGH INTAKE TUNNEL	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2012	2	5	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	SCATTERGOOD GENERATING STATION. ANIMAL ENTERED THROUGH INTAKE TUNNEL	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	2	10	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	2	10	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	2	11	SHOOTING	SAN DIEGO	CA	SI	XRAY SHOWED ONE 22-CALIBER BULLET FROM RIFLE. REMOVED FROM LEFT FRONT SHOULDER BLADE.; THIN, INJURED LEFT FRONT FLIPPER. 6 IN LONG X 3 IN WIDE WOUND. GUNSHOT WOUND FOUND IN XRAY. TAGGED WITH ORANGE ROTOTAG #20373 PRIOR TO RELEASE FROM REHAB FACILITY	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2012	2	12	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	THIN; FISH HOOKS - ONE LEFT SHOULDER, TWO IN MOUTH; WOUND LOWER ABDOMEN; WOUND CENTER OF SHOULDERS; MUCCOUS MEMBRANES PALE AND WHITE. TAGGED AND RELEASED WITH ORANGE ROTOTAG #26148 FOLLOWING TREATMENT AT REHAB FACILITY.	NSI	P5A	0	N	N
CALIFORNIA SEA LION	U.S.	2012	2	15	GILLNET FISHERY	TILLAMOOK	OR	DEAD	LINEAR CREASE MARKS OVER VENTRAL PELVIC REGION, GASH IN RIGHT AXILLARY, SUGGESTIVE OF FISHERY ENTANGLEMENT	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	2	15	SHOOTING	SAN DIEGO	CA	SI	ANIMAL EUTHANIZED IN REHABILITATION FACILITY. XRAY SHOWED FIVE BUCKSHOTS FROM SHOTGUN. BULLETS GRAZED EYE AND FOUND INSIDE HEAD CAVITY. ONE REMOVED DURING NECROPSY.; GOOD WEIGHT.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	2	20	SHOOTING	LOS ANGELES	CA	SI	TEMPERATURE 102.1 F; FIRM NODULES ON CAUDAL ABDOMEN; SKIN LESIONS; BUMPS AND HOLE CONSISTENT WITH PELLET/GUNSHOT; BLIND RIGHT EYE; CONGESTED. TREATED AND RELEASED FROM REHAB FACILITY, TAGGED WITH ORANGE ROTOTAG #26149	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2012	2	26	SHOOTING	PIERCE	WA	DEAD	INTERNAL AND EXTERNAL EXAM OF SKULL, ONE BULLET FOUND, ENTERING LEFT ABOVE AND SLIGHTLY ANTERIOR TO LEFT EAR PINNAE. BULLET TRACKS THROUGH SKULL AND BRAIN CAVITY	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	2	29	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	ANIMAL TAKEN INTO REHAB FACILITY AND DIED. THIN; DEEP WOUND CIRCUMFERENTIAL WITH BLEEDING CAUSED BY FISHING LINE; RUSTY FISH HOOK IN RIGHT FRONT FLIPPER; COUGHING; SEVERE RESPIRATORY DISTRESS; CAUSE OF DEATH HUMAN INTERACTION, FISHING LINE ENTANGLEMENT. HOOK.	DEAD	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	3	1	SHOOTING	KING	WA	DEAD	EXTERNAL AND LIMITED INTERNAL EXAM FOUND BULLET FRAGMENT LODGE IN LOWER JAW, ENTRY WOUND JUST IN FRONT OF RIGHT EAR. STOMACH HAD PARTIALLY DIGESTED FISH.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	3	2	SHOOTING	PIERCE	WA	DEAD	TRACKING WOUND BEHIND THE EAR FOUND BULLET JUST OUTSIDE THE RIGHT SIDE BACK OF SKULL.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	3	8	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	3	9	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING CABLE AND HOOK IN MOUTH. REMOVED BY TEAM AND RELEASED AT SITE.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2012	3	9	MARINE DEBRIS	SAN FRANCISCO	CA	SI	YELLOW PACKING STRAP EMBEDDED IN NECK, GOOD BODY CONDITION, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED. FIRST OBSERVED ENTANGLED IN JULY 2011.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2012	3	12	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	3	12	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET FRAGMENT AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED. TAGGED WITH ORANGE ROTOTAG #26259.	NSI	P7B	0	Y	N

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2012	3	13	SHOOTING	LOS ANGELES	CA	SI	THIN; MULTIPLE PUNCTURES-LEFT FLIPPER/SHOULDER-CHARACTERISTIC OF PELLETS/BULLETS INTRUSION; LEFT REAR FLIPPER CUTS DORSALLY AND VENTRALLY; MUCOUS MEMBRANES PALE. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED. ORANGE ROTOTAG #26151 APPLIED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2012	3	15	GILLNET FISHERY	SANTA BARBARA	CA	SI	GILLNET FRAGMENT AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED. TAGGED WITH ROTOTAG # 17890	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2012	3	20	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM, RELEASED ALIVE TO BEACH.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2012	3	24	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	NSI	SEA LION CAUGHT IN CODEND. CREW PULLED ZIPPER AND ANIMAL JUMPED OUT ON DECK AND THEN CLIMBED OVER PORT RAIL BACK INTO WATER.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2012	3	24	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM, RELEASED ALIVE TO BEACH.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2012	3	25	HARASSMENT	DEL NORTE	CA	NSI	ANIMAL PREVIOUSLY TAGGED (ORANGE ROTOTAG 27261 LEFT FRONT FLIPPER), RESTRANDED AND WAS BEING FED BY PUBLIC. ANIMAL TRANSFERRED TO CAPTIVE DISPLAY FACILITY.	CAPTIVITY	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	3	25	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	THIN, DEHYDRATED. FIVE FISH HOOKS REMOVED FROM STOMACH AREA. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED WITH ORANGE ROTOTAG #20386.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2012	4	1	MARINE DEBRIS	LOS ANGELES	CA	SI	PACKING STRAP AND FISH LINE CIRCUMFERENTIAL WOUND AROUND NECK - 3 CM DEEPLY EMBEDDED. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED. TAGGED WITH ORANGE ROTOTAG #26279.	NSI	P8A	0	N	N
CALIFORNIA SEA LION	U.S.	2012	4	2	MARINE DEBRIS	MONTEREY	CA	SI	ENTANGLEMENT AROUND HEAD NEAR EARS. NO DETAILS ON TYPE OF MATERIAL. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED.	NSI	P8A	0	N	N
CALIFORNIA SEA LION	U.S.	2012	4	3	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	4	3	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	4	4	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	CAUGHT IN CODEND - PROBABLY CAUGHT DURING HAULBACK; VERY LIVELY - GOT ITSELF FREE OF THE NET VERY QUICKLY, AND EXITED STERN	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2012	4	7	SHOOTING	PACIFIC	WA	DEAD	BULLET ENTRANCE/EXIT HOLES IN HEAD.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	4	9	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	4	12	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	4	12	SHOOTING	SAN DIEGO	CA	SI	THIN, DEHYDRATED. SWOLLEN LEFT REAR FLIPPER. RIFLE BULLET IN RIGHT HIP JOINT. FOUND DURING XRAY. EXTRACTED BULLET. FISH HOOK IN CHEST. ANIMAL RELEASED AND TAGGED WITH ORANGE ROTOTAG #20423.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2012	4	14	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	4	15	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM. RELEASED TO BEACH WITHOUT INJURIES. PHOTOS TAKEN.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2012	4	19	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y



Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2012	4	20	SHOOTING	SAN DIEGO	CA	SI	PREGNANT; PRESUMPTIVE DOMOIC ACID TOXICOSIS. EXTREMELY LETHARGIC. ON MAY 4, 2012 XRAY SHOWED PELLETS FROM SHOTGUN IN CHEST AREA. TREATED IN REHAB, TAGGED AND RELEASED WITH ROTOTAG #20410.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2012	4	25	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	4	25	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	4	25	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	4	25	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL TRANSFERRED TO CAPTIVE DISPLAY FACILITY.	CAPTIVITY	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	4	25	SHOOTING	PACIFIC	WA	DEAD	BULLET COLLECTED FROM STOMACH	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	4	29	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	DEAD	NWFSC GROUND FISH OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	4	30	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	4	30	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	4	30	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	5	4	SHOOTING	PACIFIC	WA	DEAD	SHOT IN HEAD (BULLET COLLECTED).	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	5	4	SHOOTING	PACIFIC	WA	DEAD	BULLET LODGED IN LEFT PARIETAL; SKULL COMPLETELY EXPOSED; MANDIBLES GONE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	5	5	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	ANIMAL ENTERED SCATTERGOOD GENERATING STATION THROUGH INTAKE TUNNEL	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	5	6	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	XRAY SHOWED THAT ANIMAL SWALLOWED LARGE FISHING HOOK. THIN, DEHYDRATED. XRAY SHOWED INTERNAL DAMAGE. ANIMAL EUTHANIZED IN REHAB FACILITY.	DEAD	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	5	7	HOOK AND LINE FISHERY	COLUMBIA	OR	SI	FISHING LURE HOOKED IN MOUTH, FINAL DISPOSITION UNKNOWN.	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	5	7	MARINE DEBRIS	LINCOLN	OR	SI	MARINE DEBRIS; PACKING BAND, HAS TIGHT LIGATURE AROUND NECK FROM APPARENT PLASTIC PACKING BAND; ANIMAL IS QUITE ROBUST, APPEARS TO BE CHRONIC INJURY.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	5	10	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE EMBEDDED AROUND NECK. THIN, DEHYDRATED. ANIMAL TAKEN INTO REHAB AND DIED. EMBEDDED FISHING LINE WITH BACTERIAL MYOSITIS.	DEAD	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	5	11	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN RIGHT FLIPPER WITH ASSOCIATED ABSCESS, ANIMAL DEHYDRATED. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED. TAGGED WITH ORANGE ROTOTAG LEFT FRONT FLIPPER # 22313.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2012	5	11	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM. RELEASED TO BEACH.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2012	5	14	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	CAUGHT IN NET ON HAULBACK - NOT HARMED, EXITED STERN	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2012	5	15	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	CAUGHT DURING HAULBACK - WAS VERY CONFUSED BUT OTHERWISE UNHARMED; EXITED OVER PORT RAIL	NSI	P4	0	N	N

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2012	5	15	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	MULTIPLE FISH HOOKS FOUND IN XRAY. 2 INTERNAL AND 1 ON SIDE. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED. TAGGED WITH ORANGE ROTOTAG #20430.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2012	5	16	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	5	16	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	5	20	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	NSI	WAS BROUGHT ABOARD VESSEL IN CODEND, RELEASED ON DECK, AND QUICKLY ESCAPED OVERBOARD.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2012	5	21	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	5	28	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	5	30	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	SALMON LURE HOOKED IN MOUTH, ANIMAL BARELY BREATHING. ANIMAL DIED DURING TRANSPORT TO REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	5	30	SHOOTING	CLALLAM	WA	DEAD	BULLET HOLE AND TRACKING WOUND ADJACENT TO RIGHT EYE, BLOOD COMING OUT OF WOUND. DID NOT PERFORM COMPLETE NECROPSY. ANIMAL VERY HEALTHY BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	6	1	MARINE DEBRIS	COOS	OR	SI	MARINE DEBRIS, LINE OR ROPE AROUND NECK/BODY; CUTTING IN A BIT, SOME SCARRING; LOOKS LIKE NATURAL FIBER, BRAIDED ROPE.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	6	1	SHOOTING	PACIFIC	WA	DEAD	ANIMAL HAD EXCELLENT BODY CONDITION; CLEARLY SHOT IN NECK THREE TIMES, WITH ONE BULLET TRACK GOING THROUGH PERICARDIUM; EYES BLOOD-FILLED; HEMORRHAGE ON HEAD, BODY, AND SOME ORGANS; BLOODY FLUID IN ABDOMINAL CAVITY	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	6	3	SHOOTING	CLATSOP	OR	DEAD	ANIMAL HAD EXCELLENT BODY CONDITION; OBVIOUS BULLET HOLES WITH ASSOCIATED HEMORRHAGE THROUGH BODY AND VARIOUS ORGANS; SUBSTANTIAL BLOOD IN THORACIC AND ABDOMINAL CAVITIES; SOME INTESTINES IN THORACIC CAVITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	6	4	MARINE DEBRIS	LOS ANGELES	CA	NSI	SHALLOW CIRCUMFERENTIAL PACKING STRAP INJURY AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED WITH ORANGE ROTOTAG #26257.	NSI	P8A	0	N	N
CALIFORNIA SEA LION	U.S.	2012	6	5	MARINE DEBRIS	COOS	OR	SI	MARINE DEBRIS, WIRE OR OTHER MATERIAL WRAPPED TIGHTLY AROUND NECK.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	6	7	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET AROUND NECK, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED WITH ROTOTAG #17918.	NSI	P8A	0	Y	N
CALIFORNIA SEA LION	U.S.	2012	6	10	SHOOTING	PACIFIC	WA	DEAD	ANIMAL HAD EXCELLENT BODY CONDITION; CLEAR BULLET HOLES AND TRACKS WITH ASSOCIATED HEMORRHAGING IN NECK AND BODY; SOME FISH BONES AND A SUBSTANTIAL AMOUNT OF BLOOD ENCOUNTERED IN ESOPHAGUS DURING HEAD REMOVAL.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2012	6	24	SCIENTIFIC RESEARCH	OFFSHORE	CA	NSI	CA SEA LION HOOKED IN THE LIP DURING SHARK LONGLINE SURVEY AND BROUGHT TO THE VESSEL. BECAUSE IT WAS VERY ACTIVE, FOR THE SAFETY OF THE CREW AND SCIENTISTS, THE ANIMAL WAS NOT RAISED OUT OF THE WATER ON THE SHARK CRADLE TO REMOVE THE HOOK. RATHER A LONG HANDLED CUTTER WAS USED TO CUT THE LEADER AS CLOSE TO THE ANIMAL AS POSSIBLE, WITHIN LESS THAN ONE FOOT FROM THE HOOK. THE SEA LION SWAM AWAY VIGOROUSLY. THE HOOKS USED ARE NOT STAINLESS AND THE EYE WILL LIKELY RUST OUT WITHIN DAYS DROPPING THE LEADER IF THE HOOK DOES NOT FALL OUT FIRST.	NSI	P5B	0	N	N
CALIFORNIA SEA LION	U.S.	2012	6	28	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	ENTANGLEMENT CUT INTO NECK OF EMACIATED ANIMAL.	NSI	P8A	0	N	N
CALIFORNIA SEA LION	U.S.	2012	6	30	UNIDENTIFIED HUMAN INTERACTION	CLALLAM	WA	DEAD	TAKEN TO REHAB FACILITY, TREATED AND RELEASED.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	7	1	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	SIGNS OF HUMAN INTERACTION: SKULL CUT OFF OF CARCASS. ANIMAL APPEARED IN EXCELLENT BODY CONDITION (BASED ON EXTERNAL EXAM - VERY FAT, LOTS OF BLUBBER, FAT LEACHING FROM CARCASS).	DEAD	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	7	5	MARINE DEBRIS	COOS	OR	SI	EMACIATED ANIMAL; FIRM OBSTRUCTION AROUND LARYNX; RAPID RESPIRATION; PULMONARY PARASITISM; FISH HOOK IN STOMACH; PELLET IN NECK; AZOTEMIA, CLINICAL FINDING (POSSIBLE LEPTOSPIROSIS); CAUSE OF DEATH = ESOPHAGEAL STRICTURE WITH ABSCESS. ANIMAL DIED IN REHAB.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	7	9	HOOK AND LINE FISHERY	ORANGE	CA	SI	MARINE DEBRIS, LARGE BAND OF PLASTIC AROUND NECK. NO FURTHER DETAILS AVAILABLE.	DEAD	P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	7	17	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	FISH HOOKS IN FRONT FLIPPER, UNDERWEIGHT, DEHYDRATED, CAUSE OF DEATH= STARVATION; SEVERE PARASITIC INFESTATION. ANIMAL DIED IN REHAB CENTER.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	7	17	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	7	20	SHOOTING	CURRY	OR	DEAD	PHOTOGRAPHED AND ASSESSED BY VOLUNTEER: MULTIPLE SMALL HOLES (10 AT LEAST) TO THE FRONT RIGHT SIDE OF BODY. LOOKED HEALTHY WITH A GOOD FAT LAYER. APPEARS TO HAVE MULTIPLE PUNCTURE WOUNDS WITH EMBEDDED SHOTGUN FRAGMENTS.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	7	21	GILLNET FISHERY	LOS ANGELES	CA	SI	CHRONIC CIRCUMFERENTIAL GILL NET INJURY WITH MYOSITIS AND SCAR FORMATION. ANIMAL DIED IN REHAB FACILITY.	DEAD	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	7	22	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET, INTERNAL BLEEDING. ANIMAL DIED IN REHAB.	DEAD	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	7	23	GILLNET FISHERY	LOS ANGELES	CA	SI	2-3 CM VENTRALLY X 2-3 CM DEEP GILL NET LACERATION AROUND NECK. ANIMAL TREATED AND RELEASED FROM REHAB, ORANGE ROTOTAG #26272.	NSI	P8A	0	Y	N
CALIFORNIA SEA LION	U.S.	2012	7	25	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUND FISH OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	7	29	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	DEAD	NWFSC GROUND FISH OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	7	29	MARINE DEBRIS	MONTEREY	CA	SI	ENTANGLEMENT AROUND FACE AND NECK, PINK GUMS. 1.5 INCHES CUT ON BACK OF NECK, MILDLY UNDERWEIGHT.	NSI	P8A	0	N	N
CALIFORNIA SEA LION	U.S.	2012	7	31	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	ANIMAL TREATED AND RELEASED FROM REHAB FACILITY. HOOKS IN MOUTH AND FLIPPERS. ANIMAL TREATED AND	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2012	7	31	VESSEL STRIKE	CLATSOP	OR	NSI	RELEASED FROM REHAB FACILITY WITH ROTOTAG #17927. HEALING PROPELLER WOUND ON DORSAL MID-BACK. ROBUST ANIMAL VERY ACTIVE AND ALERT IN SURF, DEPARTED BEACH SAME DAY.	NSI	P15	0	N	N

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2012	8	3	GILLNET FISHERY	LOS ANGELES	CA	SI	GILL NET ENTANGLEMENT VENTRALLY 1 CM DEEP AND 2 CM WIDE AROUND NECK. ANIMAL TREATED AND RELEASED FROM REHAB, TAGGED WITH ROTOTAG #26278.	NSI	P8A	0	Y	N
CALIFORNIA SEA LION	U.S.	2012	8	4	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	PRELIMINARY FINDINGS: PULMONARY PARASITISM; GASTROINTESTINAL PARASITISM; CHRONIC FISHING LINE ENTANGLEMENT WITH LACERATION. ANIMAL DIED DURING TRANSPORT.	DEAD	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	8	27	LIMITED ENTRY CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	LIVE ANIMAL PULLED UP WITH CATCH IN THE NET. ANIMAL DEPARTED VESSEL ON ITS OWN, NO TRAILING GEAR.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2012	8	30	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	9	2	SHOOTING	SAN LUIS OBISPO	CA	SI	EMACIATED, RIGHT EYE INJURY, BAD LOCATION - TRAFFIC HAZARD. WE RECOVERED A VERY SMALL FRAGMENT OF SHOT WHEN WE EXTRACTED THE CANINE ROOTS AT SURGERY; SEE DISPOSITION & COLLECTED REPORTS. RELEASED FROM REHABILITATION FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2012	9	2	SHOOTING	CLATSOP	OR	DEAD	ANIMAL HAD EXCELLENT BODY CONDITION; BULLET HOLE ON LEFT ABDOMINAL LATERAL SIDE AND A LARGER HOLE IN LEFT VENTRAL THORAX, WITH HEMORRHAGE THROUGHOUT MUCH OF ANIMAL.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	9	3	GILLNET FISHERY	LOS ANGELES	CA	SI	TEMPERATURE 103 F; INCREASED RESPIRATION; MUCOUS MEMBRANES PALE; SINGLE KNOTTED FISH LINE (COULD BE GILL NET) AROUND NECK 2 CM WIDE AND 0.5 CM DEEP. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P8A	0	Y	N
CALIFORNIA SEA LION	U.S.	2012	9	4	SHOOTING	CLATSOP	OR	DEAD	ANIMAL HAD GOOD BODY CONDITION; BULLET HOLES IN BODY AND ONE THROUGH LIVER WITH ASSOCIATED HEMORRHAGE; NECK SWOLLEN AND HEMORRHAGED; VENTRAL MANDIBLE AND AROUND TRACHEA BRUISED/HEMORRHAGED.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	9	9	SHOOTING	SAN LUIS OBISPO	CA	SI	LETHARGIC, EUTHANIZED IN REHAB FACILITY, BULLETS REMOVED FROM BACK AND NECK ON POST-MORTEM.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	9	9	VESSEL STRIKE	CLATSOP	OR	DEAD	SEVERAL GASH MARKS/INDENTATIONS ON BODY AND FLIPPERS; THREE BROKEN RIBS ASSOC. W/RUBBED HOLE IN LEFT DIAPHRAGM; MUCH PUS-LIKE BLOOD IN THORACIC CAVITY; FOAM AND MUCUS/INFECTION IN LEFT LUNG; STOMACH DETACHED FROM SMALL INTESTINES	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	9	10	GILLNET FISHERY	LOS ANGELES	CA	SI	RESTRAND; ORANGE ROTOTAG RFF #19981; OLD GILL NET SCAR AROUND NECK; NOTCH ON RIGHT FRONT FLIPPER; HIGH WHITE CELL COUNT. TREATED AND RELEASED FROM REHAB WITH NEW TAG #26283 (OLD TAG BARELY READABLE).	SI	P1	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	9	11	SHOOTING	KITSAP	WA	DEAD	SHOT PELLETS WOUNDS IN HEAD AND NECK IN ADDITION TO PENETRATING WOUND TO ABDOMINAL CAVITY AND INTESTINES WITH LARGE AMOUNT OF ASSOCIATED ABDOMINAL CAVITY FLUID.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	9	12	HOOK AND LINE FISHERY	SANTA BARBARA	CA	NSI	TREBLE HOOK ON LEFT FOREFLIPPER. TAKEN TO REHAB, TREATED AND RELEASED WITH ROTOTAG #17938.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2012	9	20	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL FOUND IN POWER PLANT INTAKE SYSTEM	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	9	20	SHOOTING	SAN DIEGO	CA	SI	THIN, LETHARGIC. IN SAME AREA FOR THREE DAYS. BUCKSHOT GUNSHOT WOUND FOUND DURING NECROPSY. EUTHANIZED IN REHABILITATION FACILITY.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	9	20	SHOOTING	PACIFIC	WA	DEAD	BULLET HOLES, TRACKS, AND ASSOCIATED HEMORRHAGE IN NECK AND BODY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	9	24	UNIDENTIFIED HUMAN INTERACTION	VENTURA	CA	DEAD	ANIMAL FOUND WITH ROPE TIED AROUND BODY BELOW PECTORAL FLIPPERS.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2012	9	29	SHOOTING	LOS ANGELES	CA	SI	MULTIPLE GUNSHOT WOUNDS RESULTING IN PARALYSIS. EUTHANIZED IN REHAB.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	10	1	MARINE DEBRIS	KITSAP	WA	DEAD	7CM ORANGE ACOUSTIC TAG WRAPPED IN GAUZE BY A RUBBER BAND AND A 2 CM WIRE WAS RECOVERED FROM ITS STOMACH. THE ACOUSTIC TAG WAS FROM THE STOMACH OF A CHINOOK SALMON TAGGED AT THE BALLARD LOCKS.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	10	2	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	OR	NSI	CAUGHT IN NET AND DUMPED OUT ALONG WITH CATCH ON DECK. IT THEN WENT INTO THE STARBOARD LIVE TANK FOR ABOUT 30 MINUTES AND GOT OUT AND ESCAPED DOWN THE STERN RAMP UNHARMED.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2012	10	4	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	10	4	MARINE DEBRIS	SAN FRANCISCO	CA	SI	EMBEDDED ENTANGLEMENT AROUND NECK, MILDLY UNDERWEIGHT. ANIMAL TREATED AT REHAB FACILITY AND RELEASED.	NSI	P8A	0	N	N
CALIFORNIA SEA LION	U.S.	2012	10	5	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUND FISH OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	10	5	SHOOTING	SAN DIEGO	CA	SI	ADULT MALE WITH LARGE WOUND ON RIGHT SIDE OF FACE. MISSING RIGHT EYE. OTHERWISE GOOD BODY CONDITION. XRAY SHOWED BUCKSHOT ON SIDE OF FACE AND CHEST. ANIMAL TREATED AND RELEASED WITH ORANGE ROTOTAG #20446. DESIGNATED SERIOUS INJURY BECAUSE MISSING EYE MAY INTERFERE WITH ABILITY TO FORAGE.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	10	10	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	10	13	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	10	13	GILLNET FISHERY	ORANGE	CA	SI	GILL NET EMBEDDED AROUND NECK, REMOVED ON PLATFORM AND RELEASED.	NSI	P8A	0	Y	N
CALIFORNIA SEA LION	U.S.	2012	10	19	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	10	21	GILLNET FISHERY	LOS ANGELES	CA	SI	GILL NET AT BASE OF NECK. CAUSE OF DEATH = GILLNET INJURY; GUNSHOT; UROABDOMEN, RUPTURED BLADDER, CYSTITIS; PARAPHIMOSIS.	DEAD	P9	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	10	31	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	SEA LION CAUGHT IN CODEND, NET DUMPED ON DECK WITH FISH. SEA LION ESCAPED OVER VESSEL SIDE WITH NO APPARENT INJURIES.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2012	11	3	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	11	4	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	11	4	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUND FISH OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	11	8	HOOK AND LINE FISHERY	ORANGE	CA	SI	ABSCESS ON BACK, EMACIATED, DEHYDRATED, FISH HOOK RIGHT FRONT FLIPPER. TREATED AND RELEASED FROM REHAB FACILITY, TAGGED WITH ORANGE ROTOTAG #22388.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2012	11	18	MARINE DEBRIS	LOS ANGELES	CA	SI	TEMPERATURE 100.8 F; ABRASIONS RIGHT FRONT FLIPPER; BILATERAL ABRASIONS AROUND EYES AND NOSE; ABDOMEN DISTENDED; PLASTIC TIE AROUND NECK MILD SKIN INDENTATION. TREATED AND RELEASED FROM REHAB FACILITY, TAGGED WITH ORANGE ROTOTAG #26306.	NSI	P8A	0	N	N
CALIFORNIA SEA LION	U.S.	2012	11	20	SHOOTING	ORANGE	CA	SI	CIRCULAR WOUND ON LEFT THORAX, CONSISTENT WITH OTHER KNOWN BULLET ENTRY WOUNDS. ANIMAL HYPOTHERMIC, OPEN-MOUTH BREATHING. EUTHANIZED IN REHAB FACILITY.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	11	26	SHOOTING	LANE	OR	DEAD	TWO SMALL PUNCTURE WOUNDS AT LOWER LEFT ABDOMEN - APPEAR TO BE BULLET WOUNDS	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

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CALIFORNIA SEA LION	U.S.	2012	12	11	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2012	12	13	SHOOTING	CLATSOP	OR	DEAD	ANIMAL WASHED BACK OUT TO SEA PRIOR TO NECROPSY; WASHED ASHORE AGAIN AT 1ST AVENUE IN SEASIDE, OR ON 1/2/13; CLEAR BULLET HOLES IN RIGHT ABDOMEN W/ASSOC. HEMORRHAGE; INTESTINES VERY TWISTED;	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2012	12	27	VESSEL STRIKE	CLATSOP	OR	DEAD	ANIMAL HAD EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	1	2	MARINE DEBRIS	UNKNOWN	CA	SI	ANIMAL HAD GOOD TO EXCELLENT BODY CONDITION; SUBSTANTIAL PROPELLER CUT MARKS ALONG LEFT LATERAL SIDE OF BODY WITH ASSOCIATED HEMORRHAGING, BEGINNING AT LEFT SCAPULA; A LOT OF BLOOD IN THORACIC CAVITY AND PERICARDIUM	SI	P8A, P7B	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	1	3	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	PLASTIC BAG AROUND NECK, WAS OFF WHEN WE ARRIVED ON SCENE. MALNUTRITION, HYPOGLYCEMIC.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	1	4	SHOOTING	CLATSOP	OR	DEAD	ENTRAINMENT ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	1	16	HOOK AND LINE FISHERY	ORANGE	CA	NSI	CLEARLY SHOT ANTERIORLY AND EXITED AT PELVIC AREA SHATTERING LEFT PELVIC BONE; INTESTINES TWISTED; LEFT KIDNEY LARGE A LITTLE SWOLLEN AND HAD CLEAR PUNCTURE WOUNDS; VARIOUS TISSUES/ORGANS HEMORRHAGED; BLOOD IN THORACIC AND ABDOMINAL CAVITIES.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2013	1	19	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	MALNUTRITION, HYPOGLYCEMIC UPON ADMISSION. FISH HOOKS IN LEFT REAR FLIPPER, RIGHT REAR FLIPPER, RIGHT UPPER LIP. TREATED AT REHAB FACILITY.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2013	1	26	SHOOTING	CLATSOP	OR	DEAD	SEA LION BECAME ENTANGLED IN CODEND AND NET WAS EMPTIED ON DECK. SEA LION WAS COAXED OFF OF VESSEL WITH HOSES, EXITED WITH NO APPARENT INJURY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	1	28	MARINE DEBRIS	LOS ANGELES	CA	SI	ANIMAL HAD EXCELLENT BODY CONDITION; CLEAR SHOTGUN PELLET HOLE IN MOUTH/CHEEK; 8 BROKEN RIBS ON LEFT SIDE; A 5" HOLE AND HEMORRHAGE IN LEFT MID-ABDOMINAL WALL WITH POOLED BLOOD INSIDE.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	2	6	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	PACKING STRAP (NO DETAILS GIVEN BUT THIS TYPE OF INJURY IS USUALLY CONSTRICTING).	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	2	14	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	NWFSC GROUND FISH OBSERVER PROGRAM	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	2	15	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	NSI	ENTRAINMENT ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2013	2	16	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	NSI	SEA LION FEEDING ON CATCH HAULED ON BOARD WITH NET. ANIMAL JUMPED OVERBOARD AFTER NET WAS OPENED ON DECK, NO APPARENT INJURIES.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2013	2	18	HOOK AND LINE FISHERY	UNKNOWN	CA	NSI	SEA LION FEEDING ON CATCH HAULED ON BOARD WITH NET. ANIMAL EXITED VIA TRAWL RAMP AFTER NET WAS OPENED ON DECK, NO APPARENT INJURIES.	NSI	P5D	0	N	N
CALIFORNIA SEA LION	U.S.	2013	2	20	SHOOTING	LOS ANGELES	WA	DEAD	EMACIATED, DEHYDRATED, HYPERTHERMIC, SEIZURING, FISH HOOK LEFT FRONT FLIPPER, SMALL WOUND ON CHIN AND NOSE	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	2	23	GILLNET FISHERY	SAN DIEGO	CA	SI	THREE BULLETS RECOVERED FROM HEADLESS, DECOMPOSED ANIMAL.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	2	23	HOOK AND LINE FISHERY	MONTEREY	CA	SI	SEVERE WOUND AROUND NECK FROM GILL NET, OTHERWISE IN GOOD CONDITION. CONSTRICTING INJURY WITHOUT INTERVENTION.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	2	26	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	WHITE FISHING LINE EMBEDDED AROUND NECK.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	2	27	VEHICLE COLLISION	LOS ANGELES	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	2	27	VEHICLE COLLISION	LOS ANGELES	CA	DEAD	RECEIVED CALL FROM CIMWI VOLUNTEER WHO WORKS FOR CALTRANS. FOUND CSL APPARENTLY HIT BY VEHICLE ON PCH.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

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CALIFORNIA SEA LION	U.S.	2013	3	1	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHERMAN ACCIDENTALLY HOOKED PUP ON FISHING LINE, FISHING HOOK AND LINE IN MOUTH. ANIMAL TAKEN TO VETERINARIAN FOR TREATMENT.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2013	3	1	HOOK AND LINE FISHERY	UNKNOWN	CA	NSI	MALNUTRITION, DEHYDRATION FISHING LINE LOOSE AROUND NECK. NOT CLEAR IF ANIMAL CONDITION IS RELATED TO FISHING LINE.	NSI	P8B	0	N	N
CALIFORNIA SEA LION	U.S.	2013	3	2	VESSEL STRIKE	CLATSOP	OR	SI	FIVE PROPELLER CUTS ALONG LEFT VENTRAL PELVIS (STARTING TO HEAL); THORACIC CAVITY FILLED WITH ROSY REDDISH PINK RUNNY FLUID; ANIMAL APPEARED THIN EXTERNALLY BUT HAD A GOOD BLUBBER LAYER.	DEAD	P15	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	3	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	12	SHOOTING	MONTEREY	CA	DEAD	TWO VENTRAL INJURIES THAT DON'T APPEAR TO BE FROM SCAVENGING. ONE IS A SMALL HOLE THAT LOOKS LIKE A GUNSHOT. SECOND IS A LARGE OPENING NEAR THE RIGHT "ARM PIT"; LOOKS TOO CLEAN AND CIRCULAR (TO BE FROM NATURAL CAUSES).	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	13	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE IN LEFT EYE BUT CAME OUT IN THE NETTING AS HE WAS COLLECTED. EMACIATED, DEHYDRATED PUP. NO DETAILS GIVEN ON FINAL OUTCOME.	SI	P7B	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	13	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUND FISH OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	3	14	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	15	GILLNET FISHERY	LOS ANGELES	CA	SI	GILL NET EMBEDDED AROUND NECK AND MOUTH. THIN BODY CONDITION.	SI	P1, P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	3	15	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	16	MARINE DEBRIS	LOS ANGELES	CA	DEAD	INGESTED GARBAGE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	16	MARINE DEBRIS	UNKNOWN	CA	SI	PLASTIC BAG AROUND ANIMALS NECK, SMALL WOUNDS ON FLIPPERS.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	17	MARINE DEBRIS	ORANGE	OR	SI	SOMETHING TIGHTLY WRAPPED AROUND NECK, PLASTIC PACKING BAND?	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	17	SHOOTING	LOS ANGELES	WA	DEAD	EXCELLENT BODY CONDITION; BULLET/SHOTGUN PELLET HOLES THROUGH SKULL WITH ASSOCIATED HEMORRHAGING.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	19	HOOK AND LINE FISHERY	VENTURA	CA	NSI	SEA LION ON BACK OF BOAT AT CHANNEL ISLANDS HARBOR MARINA WITH FISHHOOK. FISHHOOK REMOVED AND CSL RELOCATED ON 3/20/2013 TO HOBIE BEACH.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2013	3	19	SHOOTING	CLATSOP	OR	DEAD	ANIMAL HAD EXCELLENT BODY CONDITION AND BLUBBER LAYER; ANIMAL SHOT IN DORSAL BACK WITH ASSOCIATED HEMORRHAGE; LEFT KIDNEY TREMENDOUSLY HEMORRHAGED MEDIALY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	21	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	MALNUTRITION; FISHING LINE WRAPPED AROUND TAG, NO SIGN OF BODY ENTANGLEMENT.	NSI	P8B	0	N	N
CALIFORNIA SEA LION	U.S.	2013	3	21	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	MALNUTRITION; SWOLLEN JAW; FISH HOOKS DEEPLY EMBEDDED IN LEFT FRONT FLIPPER AND LEFT SIDE OF MOUTH.	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	21	SHOOTING	LOS ANGELES	WA	SI	THIN ANIMAL; SHOTGUN PELLETS FOUND IN HEAD.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	21	SHOOTING	CLATSOP	OR	DEAD	SEVERAL 0.5 CM-DIAMETER HOLES IN NECK AND BODY WITH ASSOCIATED HEMORRHAGE; TREMENDOUS HEMORRHAGE THROUGHOUT ANIMAL; MUZZLE APPEARED SWOLLEN.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	23	DOG ATTACK	ORANGE	CA	SI	SEA LION WAS ATTACKED BY A DOG ON THE BEACH AND SUSTAINED FATAL INJURY.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	25	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK RIGHT CHEEK AND RIGHT FLIPPER ALLOWING PEOPLE TO TOUCH.	SI	P5B	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	25	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	25	SHOOTING	CLATSOP	OR	DEAD	ANIMAL WAS THIN; BULLET/SHOTGUN PELLET FRAGMENTS IN JAW MUSCLE.	DEAD	NA	1	N	Y

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CALIFORNIA SEA LION	U.S.	2013	3	26	LIMITED ENTRY CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	SEA LION CAME UP WITH THE CATCH AND WAS DUMPED OUT IN THE TRAWL ALLEY AND THE CREW BANGED ON BASKETS AND THE SEA LION JUMPED OFF THE TRAWL RAMP AND SWAM AWAY WITHOUT TRAILING GEAR.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2013	3	26	MARINE DEBRIS	SAN DIEGO	CA	SI	UNDERWEIGHT ANIMAL CUT LOOSE FROM POSSIBLE FISHING LINE.	SI	P7B	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	26	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	27	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	EMBEDDED FISH HOOK REMOVED FROM ANIMAL.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2013	3	27	MARINE DEBRIS	CLATSOP	OR	SI	APPARENT PACKING BAND OR MONFILAMENT; TIGHT LIGATURE AROUND UPPER PART OF NECK.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	3	28	HOOK AND LINE FISHERY	ORANGE	CA	NSI	FISH HOOK RIGHT NOSTRIL AND LEFT FLIPPER, LOW TEMPERATURE. TREATED AT REHAB FACILITY.	NSI	P5B	0	N	N
CALIFORNIA SEA LION	U.S.	2013	3	28	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISH HOOKS IN FLIPPERS. 5 FISH HOOKS TOTAL, IN BOTH FRONT AND REAR FLIPPERS.	NSI	P5D	0	N	N
CALIFORNIA SEA LION	U.S.	2013	4	1	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	TWO FISHING HOOKS REMOVED FROM DEHYDRATED, EMACIATED PUP.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2013	4	1	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT, FISH HOOK IN LIP.	SI	P1, P5B	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	2	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING HOOK IN MOUTH AND TAR ON BODY. THIN, DEHYDRATED.	SI	P1, P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	2	HOOK AND LINE FISHERY	UNKNOWN	CA	NSI	FISH HOOKS REMOVED FROM LEFT REAR FLIPPER AND LEFT FRONT FLIPPER.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2013	4	4	DOG ATTACK	SAN DIEGO	CA	SI	DOG BITE. LIFE GUARDS REPORTED SEEING THE ANIMAL BEING BITTEN BY A DOG. LOW GLUCOSE, WOUND FRONT RIGHT FLIPPER, TAR ON FACE.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	5	GILLNET FISHERY	UNKNOWN	CA	SI	MALNUTRITION AND HYPOTHERMIC; RIGHT EAR FLAP CUT OFF FROM GILL NET; GILL NET CUT INTO SKULL AND RIGHT SIDE OF JAW; CONGESTED; COUGHING; HAS HEART MURMUR.	SI	P1, P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	4	5	HARASSMENT	ORANGE	CA	NSI	UNDERWEIGHT SEA LION REMOVED FROM BEACH AND TAKEN HOME FOR 2 DAYS BY MEMBER OF THE PUBLIC WHO CLAIMED ANIMAL WAS BITTEN BY A RACCOON WHILE STRANDED ON THE SHORELINE. ANIMAL WAS RETURNED TO THE HARBOR AND CONTROL OFFICER RETRIEVED ANIMAL. ANIMAL WAS EUTHANIZED.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	6	HOOK AND LINE FISHERY	UNKNOWN	CA	SI	MALNUTRITION; FISH HOOK FELL OUT IN TRANSIT BUT STILL A HOLE IN LIP ON RIGHT SIDE.	SI	P1, P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	6	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	THIN PUP. HOOK IN FRONT LEFT FLIPPER. FISHING HOOK IN FRONT LEFT FLIPPER WAS REMOVED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2013	4	6	SHOOTING	CLATSOP	OR	DEAD	EXCELLENT BODY CONDITION; BULLET CASING AND FRAGMENTS WITH ASSOCIATED HEMORRHAGE AT RIGHT SIDE OF HEAD; POSSIBLE BULLET FRAGMENTS IN PELVIC AREA; TREMENDOUS HEMORRHAGE IN PELVIC AND HIND FLIPPER AREAS.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	7	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE INJURY AROUND NECK, LOW GLUCOSE.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2013	4	7	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISH HOOK IN RIGHT PECTORAL FLIPPER REMOVED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2013	4	8	VEHICLE COLLISION	VENTURA	CA	SI	NUMEROUS CALLS RECEIVED OF CSL ON PACIFIC COAST HIGHWAY APPARENTLY HIT BY VEHICLE. FOUND CSL ON ROAD BLEEDING FROM MOUTH AND SIDE OF HEAD SWOLLEN, DIED DURING TRANSPORT.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	10	HOOK AND LINE FISHERY	SAN DIEGO	CA	DEAD	FISH HOOK IN MOUTH & LEFT REAR FLIPPER.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	13	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE ENTANGLEMENT AROUND HEAD, MISSING RIGHT EAR, DISORIENTED, LETHARGIC, SUSPECT DOMOIC ACID TOXICOSIS.	SI	P7B	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	15	SHOOTING	COLUMBIA	OR	DEAD	ANIMAL HAD EXCELLENT BODY CONDITION; SHOTGUN PELLETS IN BODY WITH ASSOCIATED HOLES AND HEMORRHAGE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	16	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y



Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2013	4	16	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	16	UNIDENTIFIED FISHERY INTERACTION	TILLAMOOK	OR	SI	SEVERAL WITNESSES DESCRIBED STAINLESS STEEL TRAWLING WIRE AROUND NECK; CUTTING THROUGH BLUBBER AND MUSCLE.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	4	18	GILLNET FISHERY	LOS ANGELES	CA	SI	MALNUTRITION. GILL NET INJURY-CIRCUMFERENTIAL CUT AROUND NECK.	SI	P1	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	4	20	SHOOTING	SAN DIEGO	CA	SI	RESTRAND. MISSING RIGHT EYE. LETHARGIC, PEOPLE PETTING HIM ON BEACH. GUNSHOT WOUND TO FACE.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	21	HOOK AND LINE FISHERY	UNKNOWN	CA	SI	EMACIATED, FISH HOOK REAR FLIPPER AND ABOVE EYE.	SI	P5B	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	21	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM, RELEASED TO SAN ONOFRE STATE BEACH.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2013	4	21	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	24	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	THIN, DEHYDRATED. FISHING HOOK IN MOUTH REMOVED ON INTAKE.	NSI	P1, P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2013	4	24	VESSEL STRIKE	SAN DIEGO	CA	SI	OBVIOUS SIGNS OF TRAUMA DUE TO A PROPELLER WOUND TO ANIMALS SACRUM AND REAR FLIPPER AREAS. MULTIPLE BONES EXPOSED. EYES AND VISION ALSO APPEARED COMPROMISED.	SI	P15	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	27	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	SEA LION WAS FEEDING ON CATCH BECAME ENTANGLED IN CODEND AND WAS BROUGHT ABOARD VESSEL. DUMPED INTO TRAWL ALLEY WITH REST OF CATCH AND SPRAYED WITH DECK HOSE TO ENCOURAGE IT TO SAFELY EXIT VESSEL VIA STERN RAMP ON ITS OWN.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2013	4	27	HOOK AND LINE FISHERY	COOS	OR	SI	APPARENTLY SWALLOWED BAITED FISHING HOOKS WITH LINE ATTACHED.	SI	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	28	SHOOTING	VENTURA	CA	DEAD	POSITIVE METAL DETECTOR SCAN OF ABDOMINAL AREA.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	29	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	THIN, DEHYDRATED, FISH HOOK EMBEDDED IN LEFT REAR FLIPPER REMOVED DURING REHAB.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2013	4	30	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL TRANSFERRED TO CAPTIVE DISPLAY FACILITY.	CAPTIVITY	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	30	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL TRANSFERRED TO CAPTIVE DISPLAY FACILITY.	CAPTIVITY	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	30	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	30	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL TRANSFERRED TO CAPTIVE DISPLAY FACILITY.	CAPTIVITY	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	30	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL TRANSFERRED TO CAPTIVE DISPLAY FACILITY.	CAPTIVITY	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	30	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL TRANSFERRED TO CAPTIVE DISPLAY FACILITY.	CAPTIVITY	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	30	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	4	30	SHOOTING	CLATSOP	OR	DEAD	ANIMAL HAD EXCELLENT BODY CONDITION; SHOTGUN PELLETS AND BULLET FRAGMENTS AT HEAD AND NECK WITH ASSOCIATED HEMORRHAGE.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2013	5	2	HOOK AND LINE FISHERY	SAN MATEO	CA	NSI	MALNUTRITION, HARASSED. MILDLY UNDERWEIGHT, LETHARGIC, HARASSED- CHASED BY PEOPLE.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2013	5	6	HARASSMENT	SAN FRANCISCO	CA	NSI	HARASSED MALNUTRITION LETHARGIC, EMACIATED, HARASSED BY PEOPLE OFF DOCK INTO WATER BUT RETURNED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2013	5	6	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISHING HOOK IN FRONT LEFT FLIPPER OF SLIGHTLY UNDERWEIGHT ANIMAL REMOVED DURING REHAB	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2013	5	8	ELECTRIC SHOCK	CLATSOP	OR	DEAD	ELECTRIC SHOCK. ANIMAL HAD EXCELLENT BODY CONDITION AND BLUBBER LAYER. BOTH ANIMALS FOUND TO BE IN BODILY CONTACT WITH A BLUE ELECTRIC METAL BOX, THAT WAS ATTACHED TO THE DOCK BY A ROPE, TAPED TOGETHER, AND LYING ON THE DOCK ITSELF.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	5	8	ELECTRIC SHOCK	CLATSOP	OR	DEAD	ELECTRIC SHOCK. ANIMAL HAD EXCELLENT BODY CONDITION AND BLUBBER LAYER. BOTH ANIMALS FOUND TO BE IN BODILY CONTACT WITH A BLUE ELECTRIC METAL BOX, THAT WAS ATTACHED TO THE DOCK BY A ROPE, TAPED TOGETHER, AND LYING ON THE DOCK ITSELF.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	5	9	GILLNET FISHERY	ORANGE	CA	SI	GILLNET WOUND AROUND NECK, UNDERWEIGHT.	SI	P1, P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	5	13	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING HOOK IN LEFT SIDE OF MOUTH.	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	5	14	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM. RELEASED TO SAN ONOFRE BEACH.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2013	5	15	HOOK AND LINE FISHERY	MONTEREY	CA	SI	MALNUTRITION, TRAUMA (NECK), BLIND LETHARGIC, UNDERWEIGHT, ENTANGLEMENT SCAR, POSSIBLY BLIND.	SI	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	5	16	HOOK AND LINE FISHERY	NEWPORT	CA	SI	UNDERWEIGHT ANIMAL WITH LOW GLUCOSE, FISH HOOK IN RIGHT LOWER LIP, RESTRAND.	SI	P5B	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	5	17	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	5	18	SHOOTING	SAN DIEGO	WA	DEAD	ANIMAL HAD EXCELLENT BODY CONDITION; SUSPICIOUS BALD PATCH WITH HOLE AND ASSOC. HEMORRHAGE IN BACK; BULLET FOUND IN SIDE OF ANIMAL.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	5	20	SHOOTING	SAN DIEGO	CA	SI	GUNSHOT WOUND THROUGH LEFT SIDE OF JAW.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	5	21	SHOOTING	MULTNOMAH	OR	DEAD	ANIMAL HAD EXCELLENT BODY CONDITION; BULLET HOLES CLEARLY TRACKED THROUGH A FEW ABDOMINAL ORGANS; RIGHT VENTRICLE TISSUE DAMAGED (FROM BULLET); HEMORRHAGE IN VARIOUS AREAS OF HEAD AND BODY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	5	24	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	EMACIATED ANIMAL HAD FISHING LINE HANGING OUT OF MOUTH. HOOK WAS REMOVED FROM ANIMAL'S STOMACH.	DEAD	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	5	24	MARINE DEBRIS	CLATSOP	OR	SI	MARINE DEBRIS WRAPPED AROUND NECK.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	5	25	SHOOTING	CLACKAMAS	OR	DEAD	ANIMAL HAD EXCELLENT BODY CONDITION; SHOTGUN PELLETS FOUND IN ANIMAL'S SIDE; TREMENDOUS HEMORRHAGE IN VARIOUS AREAS OF HEAD AND BODY; MODERATE BLOOD IN PERICARDIUM AND THORACIC AND ABDOMINAL CAVITIES.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	5	29	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	EMACIATED AND DEHYDRATED ANIMAL WITH FISHING LINE AROUND NECK, VETS REMOVED AND CLEANED. ENERGETIC WHEN HANDLED BUT LETHARGIC ON BEACH.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2013	5	29	VESSEL STRIKE	SAN FRANCISCO	CA	DEAD	EYEWITNESS ACCOUNT ANIMAL WAS HIT BY A LARGE RACING SAILBOAT. BACK BROKEN IN TWO. PICKED UP CARCASS FROM BOAT.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	5	30	HOOK AND LINE FISHERY	VENTURA	CA	SI	CALL RECEIVED OF AN EMACIATED SEA LION WITH A FISH HOOK IN MOUTH IN A DRAINAGE CANAL. ANIMAL TRANSPORTED TO REHAB FACILITY.	NSI	P1, P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2013	5	31	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISHING LINE WOUND AROUND NECK, UNDERWEIGHT.	SI	P1, P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	6	2	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING HOOK IN LOWER MANDIBLE. TREATED AT FACILITY, STARTED FEEDING IMMEDIATELY.	NSI	P5A	0	N	N

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CALIFORNIA SEA LION	U.S.	2013	6	2	HOOK AND LINE FISHERY	ORANGE	CA	SI	PACIFIC MARINE MAMMAL CENTER PICKED ANIMAL UP AND DROVE HIM TO SEAWORLD. TWO FISHING HOOKS IN MOUTH AND ONE IN THE CHEST. THIN, DEHYDRATED, LETHARGIC.	NSI	P1, P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2013	6	5	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	EMACIATED ANIMAL FOUND THAT HAD BLACK PLASTIC IN ITS STOMACH.	DEAD	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	6	8	SHOOTING	CLATSOP	OR	SI	ANIMAL HAD EXCELLENT BODY CONDITION; ANIMAL STRANDED ALIVE WITH BLOOD COMING FROM NOSE AND/OR MOUTH AND THRASHING ABOUT IN SURF; CLEAR BULLET HOLE WITH ASSOCIATED TRACK AND HEMORRHAGE THROUGH SIDE OF BODY AND SEVERAL ORGANS.	DEAD	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	6	9	HOOK AND LINE FISHERY	NEWPORT	OR	NSI	REPORTEDLY HAD A FISHING LURE STUCK IN EYE.	NSI	P5B	0	N	N
CALIFORNIA SEA LION	U.S.	2013	6	10	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET AROUND NECK.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	6	27	UNIDENTIFIED NET FISHERY	SANTA BARBARA	CA	SI	UNDERWEIGHT ANIMAL WITH HEALED ENTANGLEMENT SCAR, RESTRAND TO SBMMC, ENTANGLEMENT REMOVED DURING ORIGINAL ADMISSION TO SBMMC. TRANSFERRED TO SLO 8/1/13 FOR CONTINUED REHABILITATION.	NSI	P2	0	Y	N
CALIFORNIA SEA LION	U.S.	2013	6	27	UNIDENTIFIED POT/TRAP FISHERY	MONTEREY	CA	SI	CRAB POT (RUBBER BAND) ENTANGLEMENT AROUND NECK. SRO RESCUE.	NSI	P8A	0	Y	N
CALIFORNIA SEA LION	U.S.	2013	7	6	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET AROUND NECK.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	7	10	SCIENTIFIC RESEARCH	OFFSHORE	CA	SI	SEA LION MOUTH-HOOKED WITH A BAITED LONGLINE HOOK. DUE TO THE LIVELY BEHAVIOR OF ANIMAL, IT WAS DETERMINED THAT BRINGING THE ANIMAL ONBOARD THE VESSEL POSED A HAZARD OF ADDITIONAL INJURY TO BOTH ANIMAL AND CREW. LEADER WAS CUT AT THE HOOK WITH HOOK REMAINING ON ANIMAL. SEA LION ACTIVELY SWAM AWAY AFTER RELEASE.	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	7	13	UNIDENTIFIED NET FISHERY	SANTA BARBARA	CA	SI	MALNUTRITION, ENTANGLEMENT. TRANSFERRED FROM SBMMC.	NSI	P1, P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2013	7	16	SHOOTING	SAN LUIS OBISPO	CA	SI	GUNSHOT, BLIND, TRAUMA(FACE), LITTLE RESPONSE TO PEOPLE APPROACHING, JAW DOES NOT CLOSE, MODERATELY UNDERWEIGHT.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	7	19	SHOOTING	SAN LUIS OBISPO	CA	DEAD	FULL UME SAMPLES COLLECTED. SHOT BY HIGH POWERED RIFLE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	7	21	SHOOTING	SANTA BARBARA	CA	SI	TRAUMA(FLIPPER), GUNSHOT, MALNUTRITION, ABSCESS, TRANSFERRED TO SLO 8/1/13 FOR CONTINUED REHABILITATION.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2013	7	31	SHOOTING	SAN DIEGO	CA	SI	APPARENT GUN SHOT ENTRY WOUND CONFIRMED WITH XRAY.	DEAD	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	7	31	UNIDENTIFIED NET FISHERY	MONTEREY	CA	SI	MONOFILAMENT NET ENTANGLEMENT AROUND NECK, SRO RESCUE.	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2013	8	14	SHOOTING	MONTEREY	CA	DEAD	KIDNEY AND BOWEL WERE PIERCED BY BULLET 6 TIMES.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	8	15	GILLNET FISHERY	MONTEREY	CA	DEAD	ANIMAL FOUND ON BEACH WITH DART IN RIGHT SHOULDER AND ENTANGLED IN MONOFILAMENT NET.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	8	19	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET AROUND NECK.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	9	1	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLES; GOOD BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	9	5	SHOOTING	MONTEREY	CA	DEAD	MODERATELY UNDERWEIGHT, TRAUMA TO REAR FLIPPERS WITH BONE EXPOSED. PELLETT SEEN IN BACK ON X-RAY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	9	13	SHOOTING	SAN FRANCISCO	CA	DEAD	PELLET SEVERING BOWEL. SMALL CIRCULAR HOLES NOTED ON THE BACK SIDE OF ANIMAL. UPON CLOSER EXAMINATION, HOLES APPEARS TO TRACK DOWN THROUGH BLUBBER. ABDOMEN OPENED TO REVEAL MULTIPLE BUCKSHOT PELLETS.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	9	13	SHOOTING	CLATSOP	OR	DEAD	MASSIVE HEMORRHAGE, BULLET HOLES; OK BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	9	16	GILLNET FISHERY	ORANGE	CA	SI	UNDERWEIGHT, GILL NET WOUND AROUND NECK.	SI	P1, P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	9	16	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLES HEMORRHAGE; OK BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	9	19	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLES; OK BODY CONDITION.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2013	9	20	SHOOTING	CLATSOP	OR	DEAD	MASSIVE HEMORRHAGE AND BULLET HOLES BROKEN BONES; EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	9	23	SHOOTING	SAN DIEGO	CA	DEAD	MULTIPLE 2MM PELLETS IDENTIFIED IN THORACIC CAVITY, NECK, & HEAD REGIONS ON X-RAY AND GROSS EXAM. 32 PELLETS RETAINED.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	9	27	SHOOTING	SAN DIEGO	CA	SI	PROPELLER WOUNDS ACROSS BACK ON DORSAL SIDE. MONOFILAMENT ENTANGLEMENT SCARS AROUND THE NECK. NECROPSY REVEALED BULLET WOUNDS. BULLETS AND BUCKSHOT.	DEAD	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	10	1	GILLNET FISHERY	UNKNOWN	CA	SI	SEVERE GILL NET ENTANGLEMENT; DEEP GILL NET LACERATION, CIRCUMFERENTIAL.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	10	4	GILLNET FISHERY	NEWPORT	CA	SI	UNDERWEIGHT, GILL NET WOUND AROUND NECK.	SI	P1, P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	10	10	SHOOTING	UNKNOWN	CA	SI	HYPOTHERMIC; THIN; PUNCTURE WOUNDS ON UPPER BACK SHOULDER AREA WITH PUS DRAINING; BULLET EMBEDDED IN TIGHT ELBOW JOINT; RESPIRATION SHALLOW.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	10	11	SHOOTING	LOS ANGELES	CA	DEAD	RADIOGRAPH REVEALED GUNSHOT EVIDENCE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	10	15	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	OR	DEAD	AT-SEA HAKE OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	10	18	GILLNET FISHERY	LOS ANGELES	CA	SI	GILL NET ENTANGLEMENT AROUND SKULL AND NECK; MALNUTRITION; HYPERTHERMIC.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	10	21	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	OR	DEAD	AT-SEA HAKE OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	10	31	SHOOTING	SANTA BARBARA	CA	DEAD	GUNSHOT CONFIRMED WITH X-RAYS.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2013	11	1	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	11	17	MARINE DEBRIS	MONTEREY	CA	NSI	MARINE DEBRIS ENTANGLEMENT: WHITE RUBBER BAND FITTED LOOSELY AROUND NECK. DISENTANGLED AND TAGGED IN THE FIELD DURING RESCUE. GOOD BODY WEIGHT AND CONDITION.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2013	11	20	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI	THE ANIMAL HAD ONE STRAND OF MONOFILAMENT WRAPPED AROUND HIS NECK THAT HAD CREATED A ONE AND A HALF INCH DEEP LACERATION ENCIRCLING HIS NECK. THE WOUND WAS INFECTED AND ANIMAL WAS UNDERWEIGHT. THE ANIMAL HAD BEEN OBSERVED FOR SEVERAL MONTHS AND WAS EVENTUALLY DARTED AND RESCUED.	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2013	11	27	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	11	28	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	12	3	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI	ANIMAL WITH MONOFILAMENT LINE AROUND HER NECK CREATING AN INJURY ABOUT ONE INCH DEEP ENCIRCLING HER NECK. WOUND IS INFECTED.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	12	4	GILLNET FISHERY	SAN DIEGO	CA	SI	ANIMAL HAS GILL NET AROUND ITS HEAD CREATING A ONE AND A HALF INCH WIDE AND HALF INCH DEEP WOUND ENCIRCLING THE ANIMAL'S HEAD JUST BELOW ITS EARS.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	12	5	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI	ANIMAL WITH MONOFILAMENT LINE AROUND HER NECK CREATING AN INJURY ABOUT ONE INCH DEEP ENCIRCLING HER NECK. WOUND IS INFECTED. THIS ANIMAL WAS MONITORED FOR SEVERAL WEEKS STARTING IN LATE OCTOBER. RESCUE ATTEMPT UNSUCCESSFUL.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2013	12	16	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI	ONE INCH DEEP WOUND ENCIRCLING NECK WITH MONOFILAMENT LINE. ANIMAL SLIGHTLY UNDERWEIGHT. THERE WERE TWO UNSUCCESSFUL ATTEMPTS TO CAPTURE FOR TREATMENT.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	1	3	MARINE DEBRIS	ORANGE	CA	SI	WOUND AROUND NECK FROM NET/LINE. EMACIATED, DEHYDRATED	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	1	20	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT, DEHYDRATED, FISH HOOK AND LINE UNDER RIGHT FLIPPER	SI	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	1	21	SHOOTING	SAN LUIS OBISPO	CA	SI	LETHARGIC, UNDERWEIGHT, WOUND ON LOWER BACK. BULLET FOUND DURING NECROPSY IN THE DIAPHRAGM WITH AN ENTRANCE POINT IN THE PUBIS.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2014	1	22	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT, LARGE BITE WOUNDS UNDER RIGHT FRONT FLIPPER AND LEFT CHEST AREA. FOUND APPROXIMATELY 3 FEET OF FISHING LINE/NET IN ANIMALS VOMIT. ANIMAL TRANSFERRED TO REHAB FACILITY, OUTCOME UNKNOWN.	SI	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	2	9	MARINE DEBRIS	VENTURA	CA	SI	WOUND AROUND NECK FROM POSSIBLE PACKING STRAP.					
CALIFORNIA SEA LION	U.S.	2014	2	9	MARINE DEBRIS	VENTURA	CA	SI	TRANSFERRED TO REHAB FACILITY, OUTCOME UNKNOWN.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	2	24	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	SEAL BOMBS USED TO SCARE ANIMAL AWAY FROM CATCH.					
CALIFORNIA SEA LION	U.S.	2014	2	24	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	WORKED TEMPORARILY BUT ANIMAL RETURNED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2014	2	24	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	SEAL BOMBS USED TO SCARE ANIMAL AWAY FROM CATCH.					
CALIFORNIA SEA LION	U.S.	2014	2	24	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	WORKED TEMPORARILY BUT ANIMAL RETURNED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2014	2	24	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	SEAL BOMBS USED TO SCARE ANIMAL AWAY FROM CATCH.					
CALIFORNIA SEA LION	U.S.	2014	2	24	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	WORKED TEMPORARILY BUT ANIMAL RETURNED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2014	2	24	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	SEAL BOMBS USED TO SCARE ANIMAL AWAY FROM CATCH.					
CALIFORNIA SEA LION	U.S.	2014	2	24	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	WORKED TEMPORARILY BUT ANIMAL RETURNED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2014	2	24	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	SEAL BOMBS USED TO SCARE ANIMAL AWAY FROM CATCH.					
CALIFORNIA SEA LION	U.S.	2014	2	24	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	WORKED TEMPORARILY BUT ANIMAL RETURNED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2014	2	24	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	SEAL BOMBS USED TO SCARE ANIMAL AWAY FROM CATCH.					
CALIFORNIA SEA LION	U.S.	2014	3	1	UNIDENTIFIED NET FISHERY	SANTA CRUZ	CA	SI	ENTANGLEMENT WOUND AROUND NECK FROM MONOFILAMENT NET. ANIMAL SENT TO REHAB FACILITY, OUTCOME UNKNOWN.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	3	6	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	MONOFILAMENT LINE AROUND NECK CAUSING A HALF INCH DEEP LACERATION. THIN, DEHYDRATED, SWOLLEN RIGHT FRONT FLIPPER. ANIMAL SENT TO REHAB FACILITY, OUTCOME UNKNOWN.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	3	9	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	THIN PUP WITH FISHING LINE AROUND NECK CAUSING A HALF INCH DEEP BY FIVE INCH WIDE LACERATION ON THE VENTRAL SIDE. ANIMAL TRANSFERRED TO REHAB FACILITY, OUTCOME UNKNOWN.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	3	12	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	FOUND FLOATING DEAD IN WATER INTAKE SYSTEM. SCATTERGOOD GENERATING STATION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	3	16	HOOK AND LINE FISHERY	MONTEREY	CA	SI	GREEN MONOFILAMENT AROUND HEAD AND NECK, CUTS TO HEAD AND NECK, TREMBLING, MODERATELY UNDERWEIGHT. TRANSFERRED TO REHAB FACILITY, OUTCOME UNKNOWN.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	3	19	VESSEL STRIKE	CLATSOP	OR	DEAD	PROPELLER WOUNDS ON FRESHLY DEAD ANIMAL	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	3	20	OIL / TAR	MONTEREY	CA	SI	UNRESPONSIVE, LABORED BREATHING, MODERATELY UNDERWEIGHT. ANIMAL TRANSFERRED TO REHAB FACILITY, OUTCOME UNKNOWN.	SI	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	3	21	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET ENTRAPMENT AROUND SKULL CUTTING INTO NECK AT LEVEL OF LARYNX; COUGHING; CONGESTION. ANIMAL TRANSFERRED TO REHAB FACILITY, OUTCOME UNKNOWN.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	3	22	SHOOTING	SAN DIEGO	CA	SI	EXTERNAL WOUNDS CONSISTENT WITH GUNSHOT. THE ANIMAL WAS RADIOGRAPHED WHICH CONFIRMED THAT HE HAD BEEN SHOT WITH A SHOT GUN AND HAD MULTIPLE BUCKSHOT IN HIS HEAD AND BACK.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	3	24	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET CUTTING INTO NECK AND MOUTH. ANIMAL TRANSFERRED TO REHAB FACILITY, OUTCOME UNKNOWN.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	3	25	GILLNET FISHERY	SANTA BARBARA	CA	SI	UNDERWEIGHT ANIMAL WITH MONOFILAMENT NET AROUND NECK AND MOUTH REMOVED, ANIMAL TRANSPORTED TO THE MARINE MAMMAL CENTER, FINAL OUTCOME UNKNOWN.	SI	P7B	1	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

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CALIFORNIA SEA LION	U.S.	2014	3	27	OIL / TAR	SAN DIEGO	CA	SI	LETHARGIC, UNDERWEIGHT, THICK OIL COAT ON HEAD AND HINDQUARTERS, ANIMAL TAKEN INTO REHAB AND CLEANED, FINAL OUTCOME UNKNOWN.	SI	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	3	30	HOOK AND LINE FISHERY	ORANGE	CA	SI	HOOK IN RIGHT FRONT FLIPPER	NSI	P5D	0	N	N
CALIFORNIA SEA LION	U.S.	2014	4	1	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	UNDERWEIGHT, HOOK THROUGH TONGUE	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	1	MARINE DEBRIS	GRAYS HARBOR	WA	SI	CONSTRICTING ENTANGLEMENT AROUND NECK, PHOTO REVIEWED, MATERIAL NOT VISIBLE.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	4	MARINE DEBRIS	SAN MATEO	CA	SI	RUBBER BELT AROUND NECK. ANIMAL TAKEN TO REHAB, OUTCOME UNKNOWN.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	5	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	UNDERWEIGHT ANIMAL WITH ONE FISH HOOK UNDER RIGHT EYE, ONE IN FLIPPER. RADIOGRAPH REVEALED THIRD FISH HOOK IN STOMACH WHICH WAS REMOVED IN REHAB. FINAL OUTCOME UNKNOWN.	SI	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	6	MARINE DEBRIS	SANTA BARBARA	CA	SI	UNDERWEIGHT ANIMAL WITH BLACK RUBBER BELT CUTTING INTO NECK. REMOVED AT SANTA BARBARA MARINE MAMMAL CENTER. FINAL OUTCOME UNKNOWN.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	6	SHOOTING	SAN DIEGO	CA	SI	UNDERWEIGHT ANIMAL MISSING BOTH EYES. RADIOGRAPH REVEALED BULLET IN HEAD.	SI	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	8	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	KILLED BY GEAR	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	4	8	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	HYPERTHERMIC ANIMAL WITH HOOK IN SHOULDER. TREATED AT REHAB FACILITY, OUTCOME UNKNOWN.	SI	P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	10	GILLNET FISHERY	SAN DIEGO	CA	SI	GILLNET WOUND AROUND NECK, ANIMAL CAPTURED AND TREATED, OUTCOME UNKNOWN.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	4	11	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	UNDERWEIGHT ANIMAL WITH HOOK IN SHOULDER. TREATED AT REHAB FACILITY, OUTCOME UNKNOWN.	SI	P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	11	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	UNDERWEIGHT AND CONGESTED ANIMAL WITH FISH HOOK IN RIGHT REAR FLIPPER. TREATED AT REHAB, OUTCOME UNKNOWN.	SI	P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	12	GILLNET FISHERY	LOS ANGELES	CA	SI	CUTS AROUND NECK - GILL NET INJURY; ATAXIC; THIN; MALNUTRITION	SI	P1	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	4	12	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT AND DEHYDRATED ANIMAL WITH FISH HOOK IN LEFT REAR FLIPPER. TREATED AT REHAB, OUTCOME UNKNOWN	SI	P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	13	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	KILLED BY GEAR	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	4	13	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT ANIMAL WITH HOOK ON RIGHT SIDE OF MOUTH AND FLIPPER. TREATED AT REHAB FACILITY, OUTCOME UNKNOWN.	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	13	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	EMACIATED, DEHYDRATED, FISHING HOOK IN CHIN ON LEFT SIDE, SWOLLEN RIGHT SIDE OF NECK POSSIBLY FROM DOG BITE. ANIMAL TREATED AT REHAB FACILITY, OUTCOME UNKNOWN.	SI	P5B	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	13	MARINE DEBRIS	GRAYS HARBOR	WA	SI	CONSTRICTING ENTANGLEMENT AROUND NECK, LOOKS LIKE WHITE PACKING BAND OR LARGE ZIP TIE. PHOTO REVIEWED.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	14	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	EMACIATED, FISH HOOKS IN FRONT & REAR FLIPPERS. TREATED AT REHAB, OUTCOME UNKNOWN.	SI	P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	14	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	EMACIATED, DEHYDRATED, AND THREE PRONG FISHING HOOK ON THE FRONT EDGE OF LEFT FLIPPER WITH FISHING LINE WRAPPED TIGHTLY AROUND TIP SEVERING A PIECE OF THE FLIPPER. TREATED AT REHAB, OUTCOME UNKNOWN.	SI	P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	15	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	15	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y

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CALIFORNIA SEA LION	U.S.	2014	4	15	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	15	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	15	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	15	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	16	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN LEFT GUM. ANIMAL TREATED IN REHAB, OUTCOME UNKNOWN.	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	16	SHOOTING	LOS ANGELES	CA	SI	GUNSHOT WOUNDS TO HEAD; PNEUMONIA; MALNUTRITION. TREATED IN REHAB, OUTCOME UNKNOWN. UNDERWEIGHT, FISH HOOKS BELOW EYE AND IN FLIPPERS.	SI	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	17	HOOK AND LINE FISHERY	ORANGE	CA	SI	TREATED AT REHAB FACILITY, OUTCOME UNKNOWN.	SI	P5B	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	19	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	THIN AND DEHYDRATED. FISH HOOK IN LEFT CORNER OF MOUTH. TREATED AT REHAB FACILITY, OUTCOME UNKNOWN.	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	19	MARINE DEBRIS	SAN DIEGO	CA	SI	PLASTIC ZIPLOC BAG AROUND NECK REMOVED ON SITE. ANIMAL WAS ALERT AND OTHERWISE IN GOOD BODY CONDITON.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2014	4	20	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISH HOOK IN MOUTH	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	21	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT, DEHYDRATED, FISH HOOK LEFT REAR FLIPPER. TREATED AT REHAB FACILITY, OUTCOME UNKNOWN.	SI	P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	22	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	22	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	22	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	22	HOOK AND LINE FISHERY	ORANGE	CA	SI	LACERATION ON L FRONT FLIPPER WITH A FISH HOOK UNDERWEIGHT	SI	P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	22	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT, FISH HOOK IN MOUTH LEFT EAR, LEFT REAR FLIPPER. TREATED AT REHAB, OUTCOME UNKNOWN.	SI	P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	22	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	MALNOURISED AND LETHARGIC ANIMAL WITH A FISH HOOK. LOCATION OF HOOK NOT DESCRIBED. HOOK FOUND IN NET AFTER RESCUE. TRANSFERRED TO REHAB FACILITY, OUTCOME UNKNOWN.	SI	P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	26	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	DEEP FISHING LINE CUTS AROUND SKULL; PROLAPSED AND ULCERATED RECTUM; CONGESTED. SENT TO REHAB FACILITY, OUTCOME UNKNOWN.	SI	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	27	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	EMACIATED, DEHYDRATED AND 1/2 INCH DEEP CUT ALL THE WAY AROUND NECK FROM MONOFILAMENT LINE WHICH WAS REMOVED AT SEAWORLD. UNDERWEIGHT AND DEEP CUT FROM FISHING LINE. FINAL OUTCOME UNKNOWN.	SI	P1	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2014	4	28	OIL / TAR	MONTEREY	CA	SI	EMACIATED AND LETHARGIC ANIMAL WITH OIL/TAR ON BODY	SI	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	28	OIL / TAR	SAN LUIS OBISPO	CA	SI	ALERT, EMACIATED, TAR PATCHES ON NECK, SMALL WOUND ON NECK. OIL/TAR EXTERNAL EXAM	SI	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	28	SHOOTING	CLATSOP	OR	DEAD	BULLETS RETRIEVED	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	28	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLES IN SKULL AND BODY	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	29	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	29	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	29	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	4	29	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	1	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	1	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	1	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	1	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	1	GILLNET FISHERY	LOS ANGELES	CA	SI	SEVERE GILL NET INJURY; MALNUTRITION.	SI	P1	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	5	1	GILLNET FISHERY	MONTEREY	CA	NSI	GOOD BODY CONDITION, MONOFILAMENT NET ENTANGLEMENT	NSI	P1	0	N	N
CALIFORNIA SEA LION	U.S.	2014	5	4	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK IN LOWER LIP; SENT TO REHAB, OUTCOME UNKNOWN.	NSI	P5B	0	N	N
CALIFORNIA SEA LION	U.S.	2014	5	4	SHOOTING	GRAYS HARBOR	WA	DEAD	LARGE PELLET RECOVERED FROM SKULL, ASSOCIATED HEMORRHAGE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	7	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	MONOFILAMENT LINE AROUND SHOULDER. ANIMAL SENT TO REHAB, OUTCOME UNKNOWN.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	8	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	SMALL HOOK NEAR GENITALS, UNDERWEIGHT, SLIGHTLY DEHYDRATED AND AN INJURED LEFT EYE. FISHING HOOK WAS REMOVED ON 5/8/14 UNDERWEIGHT AND INJURED LEFT EYE External Exam	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2014	5	11	MARINE DEBRIS	SAN JUAN	WA	SI	CONSTRICTING INJURY AROUND NECK, MATERIAL NOT VISIBLE IN PHOTO.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	11	SHOOTING	SAN DIEGO	CA	ALIVE	EXTREMELY LETHARGIC, SWOLLEN RIGHT EYE, WOUNDS ON RIGHT SIDE OF FACE. BULLETS FOUND IN NECROPSY.Exam and Necropsy	DEAD	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	11	SHOOTING	MONTEREY	CA	DEAD	BULLET HOLE / INJURY IN BACK	DEAD	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	18	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	FISH HOOKS IN CHEST AND NECK. RELOCATED AND RELEASED 5/18/14.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2014	5	18	MARINE DEBRIS	LOS ANGELES	CA	SI	THIN; HEALING CIRCUMFERENTIAL NECK LACERATION FROM PREVIOUS ENTANGLEMENT; DEHYDRATED.	SI	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	18	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLES	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	19	HOOK AND LINE FISHERY	SANTA BARBARA	CA	NSI	FISH HOOKS REMOVED FROM THIN ANIMAL BY REHAB CENTER, NO DETAILS ON LOCATION OF HOOKS.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2014	5	19	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLES, EXTENSIVE HEMORRHAGE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	21	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	ANIMAL WAS IN GOOD BODY CONDITION BUT HAD A FISHING GAFF PIERCING THROUGH HIS SKIN ABOVE HIS LEFT HIP.	SI	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	5	23	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	FISH HOOK IN MOUTH, REMOVED AT REHAB FACILITY, ANIMAL RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2014	5	26	ENTRAPMENT	SANTA BARBARA	CA	DEAD	DROWNED. WAS TRAPPED UNDER POOL GRATE.	DEAD	NA	1	N	Y



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CALIFORNIA SEA LION	U.S.	2014	5	27	GILLNET FISHERY	SANTA BARBARA	CA	NSI	GILLNET AROUND NECK. NET REMOVED AND WOUND CLEANED AT REHAB FACILITY	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2014	5	27	GILLNET FISHERY	SANTA BARBARA	CA	SI	GILLNET AROUND NECK. SENT TO REHAB FACILITY. NO FURTHER DETAILS.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	5	27	GILLNET FISHERY	SANTA BARBARA	CA	SI	GILLNET AROUND NECK. SENT TO REHAB FACILITY. NO FURTHER DETAILS.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	5	27	GILLNET FISHERY	SANTA BARBARA	CA	SI	GILLNET AROUND NECK. SENT TO REHAB FACILITY. NO FURTHER DETAILS.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	5	31	GILLNET FISHERY	ORANGE	CA	SI	GILLNET INJURY, EXPOSED TRACHEAL THYROID CARTILAGE. POLICE REMOVED THE FISHING LINE FROM AROUND THE ANIMAL'S NECK. ONCE DONE THEY RELEASED THE ANIMAL.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	5	31	SHOOTING	CLACKAMAS	OR	DEAD	BULLET HOLES, HEMORRHAGE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	6	6	SHOOTING	MARIN	CA	DEAD	SMALL HOLE ABOUT RIGHT EYE SOCKET, WHICH IS ABOVE THE MAXILLA FRACTURE. SMALL CIRCULAR DIVOTS IN CHIN AND LOWER JAW AREA. NO BUCKSHOT IN HOLES AND THEY DID NOT TRACK DOWN TROUGH SUBCUTANEOUS TISSUE, WILL LOOK FOR BULLETS AND BUCKSHOT DURING PROCESSING OF SKULL. OLD BUCKSHOT HOLES IN CHIN MAXILLA IN NUMEROUS PIECES.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	6	8	HOOK AND LINE FISHERY	SANTA BARBARA	CA	NSI	LARGE FISHHOOK AND LINE, NO DETAILS, OTHER THAN ANIMAL SENT TO REHAB.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2014	6	19	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	FISH HOOK IN LEFT LIP, PNEUMONIA, GI TRACT INFECTIONS, QUARTS OF PUS REMOVED. SENT TO REHAB, FINAL OUTCOME UNKNOWN.	SI	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	6	23	SHOOTING	PACIFIC	WA	DEAD	OBVIOUS BULLET HOLES	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	7	2	SCIENTIFIC RESEARCH	OFFSHORE	CA	SI	ADULT MALE SEA LION, 6-7 FEET IN LENGTH, APPROXIMATELY 200 LB, HOOKED DEEP IN MOUTH BY SCIENTIFIC LONGLINE. LEADER CUT APPROXIMATELY 10-INCHES FROM MOUTH. ANIMAL WAS FEISTY AND APPEARED TO BE IN GOOD CONDUCTION WHEN RELEASED.	SI	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	7	17	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	LETHARGIC ON THE BEACH, OPEN MOUTH BREATHING, DECENT BODY CONDITION. FISH HOOK IN MOUTH. RESTRAND ANIMAL FROM FORT MAC, SHAVED "408" ON RIGHT HIP FISH HOOK WITH THE LINE HANGING FROM IT IN THE THROAT, BOTH LUNGS COLLAPSED FISH HOOK WITH THE LINE HANGING FROM IT IN THE THROAT. ANIMAL SENT TO REHAB, FINAL OUTCOME UNKNOWN.	SI	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	7	23	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISHING HOOK EMBEDDED IN NECK WITH LINE. SENT TO REHAB, FINAL OUTCOME UNKNOWN.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	7	25	GILLNET FISHERY	VENTURA	CA	SI	ANIMAL WITH NETTING AROUND NECK. REHAB, FINAL OUTCOME UNKNOWN.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	7	28	HOOK AND LINE FISHERY	ORANGE	CA	SI	3 FISH HOOKS, MOUTH, FRONT AND REAR FLIPPER. ANIMAL SENT TO REHAB, FINAL OUTCOME UNKNOWN.	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	8	6	LIMITED ENTRY SABLEFISH HOOK AND LINE	OFFSHORE	CA	SI	A FEMALE CA SEA LION GOT CAUGHT ON A HOOK AND HAD TO HAVE THE GANGION CUT. LOCATION OF HOOK IN MOUTH NOT DETAILED.	SI	P5A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	8	9	HOOK AND LINE FISHERY	LINCOLN	OR	SI	HAULED OUT WITH A SILVER COLORED SALMON FLASHER HANGING FROM IT'S MOUTH.	SI	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	8	12	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	ONE OF TWO CA SEA LIONS TRAPPED IN TRAWL NET DURING HAUL BACK. DUMPED ON DECK, BOTH DEPARTED VESSEL UNASSISTED WITH NO APPARENT INJURIES.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2014	8	12	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	ONE OF TWO CA SEA LIONS TRAPPED IN TRAWL NET DURING HAUL BACK. DUMPED ON DECK, BOTH DEPARTED VESSEL UNASSISTED WITH NO APPARENT INJURIES.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2014	8	23	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	KILLED BY GEAR	DEAD	NA	1	Y	Y

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CALIFORNIA SEA LION	U.S.	2014	8	23	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	KILLED IN GEAR (DESCRIBED AS DEAD IN COMMENTS AND CATEGORIZED AS 'ENTANGLED IN GEAR', WHICH IS USUALLY RESERVED FOR ANIMALS RELEASED ALIVE)	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	8	26	VESSEL STRIKE	MONTEREY	CA	DEAD	PROPELLER STRIKE TO HEAD, DEEP GASH.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	9	1	SHOOTING	PACIFIC	WA	DEAD	BULLET HOLES, HEMORRHAGE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	9	2	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE COMING FROM MOUTH. MEMBERS OF PUBLIC REPORTEDLY PULLING ON LINE. HOOKS IN THROAT FOUND ON X-RAY.	SI	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	9	8	SHOOTING	SAN MATEO	CA	DEAD	TWO BULLET ENTRY WOUNDS ON RIGHT SHOULDER AREA.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	9	9	SHOOTING	MARIN	CA	DEAD	GREEN TWINE TO LEFT FRONT FLIPPER. DURING SKULL PREPARATION PROCESS, A THROUGH AND THROUGH BULLET WOUND WAS NOTED. THE APPARENT ENTRY IS BEHIND THE RIGHT EYE SOCKET. THE EXIT IS LEFT REAR LATERAL SKULL AREA.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	9	15	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	KILLED BY GEAR	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	9	15	SHOOTING	SAN DIEGO	CA	SI	THIN AND EXTREMELY LETHARGIC, VETS LISTENED TO THE LUNGS AND THEY SOUNDED POOR. FOUND BULLETS AND YELLOWISH FLUID IN ABDOMEN X RAY.	SI	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	9	18	GILLNET FISHERY	LOS ANGELES	CA	SI	THIN; ACTIVE ONLY TO TOUCH; HYPOTHERMIC; HEALING OLD GILL NET INJURY; INJURY ON LEFT FRONT FLIPPER; MALNUTRITION.	SI	P1	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	9	18	SHOOTING	CURRY	OR	DEAD	MULTIPLE HEAD AND TORSO GUNSHOT WOUNDS, PELLETS COLLECTED.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	9	18	SHOOTING	VENTURA	CA	SI	CALL RECEIVED OF POSSIBLY INJURED CSL JUST W OF HUENEME PIER. PEOPLE HARASSING IT. SWIMS OUT TO GET AWAY, BUT COMES RIGHT BACK. BY THE TIME CIMWI VOLUNTEERS ARRIVED CSL HAD MOVED TO E OF THE PIER. APPEARED TO HAVE FISHING LURE IN MOUTH. CSL THIN, LETHARGIC. RESCUED. WHATEVER WAS IN MOUTH CAME OUT DURING RESCUE. POST NOTE-CSL EXPIRED DURING INTAKE/INITIAL TREATMENT. APPEARED TO HAVE AN ABSCESS ON THE L NECK/SHOULDER AREA WHICH WAS ASPIRATED- BLOOD & CLOTS WERE OBTAINED. AREA WAS OPENED- MASSIVE AMOUNTS OF FREE FLOWING BLOOD AND CLOTS WERE FOUND. AFTER CSL'S EXPIRATION, A QUICK NECROPSY WAS DONE. FOUND SMALL POINTED PROJECTILE FROM A PELLET GUN. UNABLE TO LOCATE ENTRY POINT.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	9	21	SHOOTING	SAN DIEGO	CA	SI	LETHARGIC, PEOPLE WERE CHASING IT INTO THE WATER AND THEN HE WOULD IMMEDIATELY COME BACK ONTO THE BEACH. WE NOTICED HE WASN'T FOCUSING ON ANYTHING AND BOTH EYES DRIFT INWARD. FOUND BULLET FRAGMENTS IN AND AROUND EYESOCKET DURING XRAYS ON 9/24/2014.	SI	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	9	27	SHORESIDE HAKE MIDWATER TRAWL	OFFSHORE	OR	DEAD	KILLED BY GEAR	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	10	3	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	KILLED BY GEAR	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	10	7	SHOOTING	SAN DIEGO	CA	SI	THIN, APPEARED TO BE BLIND; ANIMAL WAS DARTED. X-RAYED, FOUND BUCKSHOT IN THE FACE AND BODY.	SI	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	10	9	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FOUR PRONGED BARBED FISHING HOOK WITH A 10" LURE ATTACHED HOOKED IN ANIMALS RT CORNER OF MOUTH. HAD MONOFILAMENT ATTACHED TO LURE	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	10	10	SHOOTING	SAN DIEGO	CA	SI	LEFT EYE APPEARS TO BE BLIND. VERY THIN/LETHARGIC DURING RESCUE. BUCKSHOT FOUND IN CRANIAL AREA DURING X-RAYS.	SI	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	10	13	MARINE DEBRIS	CLATSOP	OR	SI	CONSTRUCTING INJURY AROUND TORSO AND LOWER NECK, APPEARS TO BE ROPE. PHOTO REVIEWED.	SI	P8A	1	N	Y

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									SEAL BOMBS USED TO SCARE ANIMAL AWAY FROM CATCH.					
CALIFORNIA SEA LION	U.S.	2014	10	15	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	WORKED TEMPORARILY BUT ANIMAL RETURNED.	NSI	P9	0	N	N
									SEAL BOMBS USED TO SCARE ANIMAL AWAY FROM CATCH.					
CALIFORNIA SEA LION	U.S.	2014	10	15	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	WORKED TEMPORARILY BUT ANIMAL RETURNED.	NSI	P9	0	N	N
									SEAL BOMBS USED TO SCARE ANIMAL AWAY FROM CATCH.					
CALIFORNIA SEA LION	U.S.	2014	10	15	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	WORKED TEMPORARILY BUT ANIMAL RETURNED.	NSI	P9	0	N	N
									SEAL BOMBS USED TO SCARE ANIMAL AWAY FROM CATCH.					
CALIFORNIA SEA LION	U.S.	2014	10	15	CATCH SHARES HOOK AND LINE	OFFSHORE	CA	NSI	WORKED TEMPORARILY BUT ANIMAL RETURNED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2014	10	18	SHOOTING	SAN DIEGO	CA	SI	XRAYS TAKEN SHOWED BULLET TRACK. BUCK SHOT IN ABDOMEN AND 2 BULLETS IN BACK.	SI	P12	1	N	Y
									ONE CA SEA LION WAS ENTANGLED INSIDE THE NET. THE ONE INSIDE THE NET WAS FEEDING ON THE CATCH. A SECOND CA SEA LION WAS SWIMMING BENEATH THE SURFACE. THE SEA LION STUCK IN THE NET SWAM INTO THE NET FROM THE SURFACE WHEN THE NET WAS BEING REELED BACK. THE SEA LION WAS RELEASED FROM THE NET IN THE WATER AND NEVER BOARDED THE VESSEL.					
CALIFORNIA SEA LION	U.S.	2014	10	19	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI		NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2014	10	22	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	KILLED BY GEAR, ONE OF THREE ANIMALS IN SINGLE TRAWL	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	10	22	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	KILLED BY GEAR, ONE OF THREE ANIMALS IN SINGLE TRAWL	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	10	22	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	KILLED BY GEAR, ONE OF THREE ANIMALS IN SINGLE TRAWL	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	10	22	HOOK AND LINE FISHERY	VENTURA	CA	SI	LINE AROUND NECK AT CHANNEL ISLANDS HARBOR MARINA. DARTED WITH TRANQUILIZER, LINE REMOVED, TRANQUILIZER REVERSED AND CSL RELEASED.	NSI	P7B	0	N	N
									BULLET IN SHOULDER (XRAYS TAKEN 10/24/14) BONE WAS STARTING TO FUSE NOT GIVING SUFFICIENT RANGE OF MOTION. EUTHANIZED DUE TO POOR PROGNOSIS.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	10	23	SHOOTING	SAN DIEGO	CA	SI	ANIMAL WAS ALERT AND IN GOOD BODY CONDITION. ABILITY TO MANEUVER WAS LIMITED DUE TO A LARGE GAFF IN THE RIGHT SHOULDER WITH 5" HOOK. WE WERE ABLE TO REMOVE THE HOOK FROM THE ANIMALS SHOULDER. THE HOOK MADE 3 SEPERATE PUNCTURES. TREATED AT REHAB FACILITY, OUTCOME UNKNOWN.	SI	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	10	26	GAFF INJURY	SAN DIEGO	CA	SI		SI	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	10	27	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	KILLED IN GEAR	DEAD	NA	1	Y	Y
									GOOD BODY CONDITION, ALERT. HAD MONOFILAMENT WRAPPED AROUND NECK WITH HALF OF ITS NECK LACERATED. ANIMAL WAS DARTED. NO DETAILS ON OUTCOME.					
CALIFORNIA SEA LION	U.S.	2014	10	27	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI		SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	10	29	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	KILLED IN GEAR	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	11	3	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	KILLED IN GEAR	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	11	4	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM, ONE OF THREE ANIMALS IN SET	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	11	4	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM, ONE OF THREE ANIMALS IN SET	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	11	4	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM, ONE OF THREE ANIMALS IN SET	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2014	11	6	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	KILLED BY GEAR	DEAD	NA	1	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
									FISH HOOK LEFT SIDE OF MOUTH, WOUNDS ON ABDOMEN.					
CALIFORNIA SEA LION	U.S.	2014	11	12	HOOK AND LINE FISHERY	ORANGE	CA	SI	TREATED AT REHAB, OUTCOME UNKNOWN.	SI	P5A	1	N	Y
									GOOD BODY CONDITION/TEARING. VERTICAL SCAR ALONG THE TRACHEA 2 INCHES LONG FISHING LINE IMBEDDED AROUND NECK EXCEPT FOR 3-4 INCHES ON VENTRAL SIDE OF NECK, SAW DISCHARGE (COULD NOT SEE FISHING LINE DUE AT TIME OF RESCUE TO BEING EMBEDDED).	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	11	13	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	CONRICTING ENTANGLEMENT AROUND NECK, MATERIAL UNKNOWN. PHOTO REVIEWED.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	11	19	MARINE DEBRIS	GRAYS HARBOR	WA	SI	GOOD BODY CONDITION, FISHING LINE EMBEDDED AROUND THE NECK.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	11	24	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI		SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	11	25	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLES, HEMORRHAGE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	11	27	HOOK AND LINE FISHERY	ORANGE	CA	NSI	FISH HOOK ABOVE RIGHT EYE AND SIDE OF BODY, UNDERWEIGHT.	NSI	P5B	0	N	N
									A LITTLE THIN, SWOLLEN RIGHT SHOULDER WITH OOZING WOUND. X RAYS SHOWED 3 BULLET FRAGMENTS, 2 ABOVE THE SHOULDER AND 1 AT ZYGOMATIC ARCH. UNABLE TO BE REMOVED.	SI	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	12	1	SHOOTING	SAN DIEGO	CA	SI	LACERATION AROUND NECK, EMACIATED.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	12	12	MARINE DEBRIS	MONTEREY	CA	SI	THIN, DEHYDRATED, SWOLLEN RIGHT SHOULDER. X RAYS SHOWED BULLET IN LEFT SHOULDER.	SI	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	12	23	SHOOTING	SAN DIEGO	CA	SI	CONRICTING ENTANGLEMENT AROUND NECK, UNKNOWN MATERIAL. PHOTO REVIEWED.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	12	24	MARINE DEBRIS	CLATSOP	OR	SI	SHOT IN HEAD, PELLET HOLES, BROKEN BONES, HEMORRHAGE.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	12	25	SHOOTING	PACIFIC	WA	DEAD		DEAD	NA	1	N	Y
									THIN ADULT MALE WITH SIGNS OF TRAUMA TO HEAD AREA. BOTH EYES CLOSED, UNABLE TO OPEN. ANIMAL WAS ALSO WEAK. BLOOD SQUIRTED FROM BOTH EYES WHEN RESCUE WAS ATTEMPTED. REPORTS OF ANIMAL ROLLING IN SURFLINE FROM STONE STEPS TO MOONLIGHT BEACH. 12/26/14 X RAYS CONFIRMED GUN SHOTS TO HEAD, NECK AND SHOULDER AREA X RAYS CONFIRMED.	SI	P12	1	N	Y
CALIFORNIA SEA LION	U.S.	2014	12	25	SHOOTING	SAN DIEGO	CA	SI	FISH HOOK REMOVED FROM LEFT FRONT FLIPPER; THIN; MALNUTRITION.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2014	12	30	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	EMACIATED, HOOKS ON FLIPPER, WOUND ON MUZZLE. TREATED IN REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	1	1	HOOK AND LINE FISHERY	ORANGE	CA	NSI	UNDERWEIGHT ANIMAL WITH FISHING LINE AROUND NECK.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	1	3	HOOK AND LINE FISHERY	MONTEREY	CA	DEAD	FEEDING ON CATCH THROUGH NET, SCARED OFF BY YELLING.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2015	1	7	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	FEEDING ON CATCH THROUGH NET, SCARED OFF BY YELLING.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2015	1	7	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	CAUGHT IN TRAWL NET, DUMPED ON BACK DECK, JUMPED OVERBOARD, LOOKED UNHARMED.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2015	1	9	CATCH SHARES BOTTOM TRAWL	OFFSHORE	WA	NSI	SMALL SEA LION BOARDED VESSEL AND REFUSED TO EXIT. TRANSPORTED TO SHORE WHERE IT WAS PICKED UP BY MARINE MAMMAL RESCUE TEAM.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2015	1	15	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	WHITE PLASTIC PACKING BAND CUTTING INTO FLESH AROUND THE NECK. THE ANIMAL HAS BEEN SIGHTED SEVERAL TIMES HAULED OUT ON PORT DOCK #1, AND IS ALERT AND ACTIVE.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	1	16	MARINE DEBRIS	LINCOLN	OR	SI	EUTHANIZED IN REHAB. BULLET / PELLET RECOVERED POSTMORTEM. ANIMAL ALSO HAD 'FANBELT' AROUND NECK WHEN FIRST ENCOUNTERED.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	1	16	SHOOTING	SAN JOAQUIN	CA	SI	DIED AT SITE	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	1	17	VEHICLE COLLISION	VENTURA	CA	DEAD	ANIMAL WITH WHITE PACKING BAND TIGHTLY AROUND NECK.	SI	P8A	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2015	1	20	SHOOTING	PACIFIC	WA	DEAD	SHOTGUN PELLET HOLES/MARKS IN LEFT NECK AND HEAD; ROBUST BODY CONDITION; LEFT INTRAORBITAL AREA FRAGMENTED WITH ASSOCIATED HEMORRHAGE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	1	24	HOOK AND LINE FISHERY	VENTURA	CA	SI	ANIMAL FOUND WITH LINE AROUND NECK, TAKEN TO REHAB FACILITY. OUTCOME UNKNOWN.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	1	24	OIL / TAR	SAN LUIS OBISPO	CA	SI	MODERATELY UNDERWEIGHT, WOUND ON BACK OF HEAD, DISORIENTED. TAR ON BELLY. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	1	25	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT, DEHYDRATED, MUSCLE EDEMA ON MUZZLE, FISH HOOK RIGHT SIDE OF MOUTH AND RIGHT FLIPPER. TREATED AT REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	1	26	GILLNET FISHERY	MONTEREY	CA	SI	UNDERWEIGHT ANIMAL ENTANGLED IN MONOFILAMENT NETTING AROUND NECK. TREATED IN REHAB AND RELEASED.	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2015	1	27	DOG ATTACK	SAN LUIS OBISPO	CA	SI	PUBLIC WITNESSED EMACIATED ANIMAL BEING BITTEN BY DOG. TRANSFERRED TO REHAB, TREATED AND RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	1	29	GILLNET FISHERY	SAN DIEGO	CA	SI	GILLNET AROUND NECK. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2015	1	30	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	SEA LION DUMPED OUT OF NET ON DECK. JUMPED OVERBOARD WITHOUT APPARENT INJURIES.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	1	HOOK AND LINE FISHERY	ORANGE	CA	NSI	UNDERWEIGHT ANIMAL WITH FISH HOOK IN LEFT FOREFLIPPER. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	1	OIL / TAR	SAN MATEO	CA	SI	LETHARGIC, EMACIATED, TAR ON RIGHT CHEST. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	2	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	UNDERWEIGHT; HYPERTHERMIC; FISH HOOK IN ESOPHAGUS; FISH LINE IN MOUTH. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	2	MARINE DEBRIS	VENTURA	CA	SI	ANIMAL DISENTANGLED FROM UNREPORTED MATERIAL IN SITU.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	4	OIL / TAR	SANTA BARBARA	CA	SI	EMACIATED, TAR ALL OVER UNDERSIDE OF BODY. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	5	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	UNDERWEIGHT AND EMACIATED PUP. FISHING HOOK IN TONGUE. TREATED AT REHAB FACILITY AND RELEASED.	SI	P14	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	5	VESSEL STRIKE	SAN DIEGO	CA	SI	PROPPELLER WOUNDS FROM THE MIDDLE OF THE BACK EXTENDING TO THE REAR FLIPPERS AND AROUND MAJORITY OF TORSO. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	6	MARINE DEBRIS	SANTA CRUZ	CA	SI	UNDERWEIGHT ANIMAL ENTANGLED IN UNDESCRIBED MARINE DEBRIS. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	8	HOOK AND LINE FISHERY	ORANGE	CA	NSI	UNDERWEIGHT ANIMAL WITH FISH HOOK IN LEFT REAR FLIPPER. TREATED IN REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	8	MARINE DEBRIS	SANTA BARBARA	CA	SI	UNDERWEIGHT ANIMAL ENTANGLED IN UNDESCRIBED MARINE DEBRIS. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	8	MARINE DEBRIS	CLATSOP	OR	SI	APPEARS TO HAVE A HEALING NECK WOUND FROM A PREVIOUS ENTANGLEMENT, BLOOD AROUND THE WOUND APPEARS TO BE A ROSY PINK. PSU15-02-08A-ENT-ZC	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	8	MARINE DEBRIS	CLATSOP	OR	SI	APPEARS TO BE A SINGLE BAND TYPE OF ENTANGLEMENT AROUND THE NECK AREA, ENTANGLEMENT APPEARS TO BE RELATIVELY DEEP BUT CAN'T SEE ACTUAL FLESH OR BLOOD AROUND THE WOUND IN THE PHOTOS.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	9	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISHING HOOK THROUGH THE SKIN ABOUT THE LEFT FRONT FLIPPER. TREATED / RELEASED FROM REHAB FACILITY.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	9	HOOK AND LINE FISHERY	ORANGE	CA	SI	TAR ON NECK, FISH HOOK IN LIP, UNDERWEIGHT. ANIMAL TREATED IN REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	9	MARINE DEBRIS	SANTA CRUZ	CA	SI	UNDERWEIGHT ANIMAL ENTANGLED IN UNDESCRIBED MARINE DEBRIS. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y

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CALIFORNIA SEA LION	U.S.	2015	2	9	SHOOTING	GRAYS HARBOR	OR	DEAD	MUMMIFIED CARCASS WITH SKULL EXPOSED, CAN SEE BULLET ENTRY AND EXIT DAMAGE TO SKULL.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	10	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET ENTANGLEMENT WOUND AROUND NECK, EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	2	10	MARINE DEBRIS	ORANGE	CA	SI	2 INCH WIDE RUBBER BAND AROUND NECK OF UNDERWEIGHT ANIMAL. TREATED AT REHAB AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	11	MARINE DEBRIS	SANTA CRUZ	CA	SI	UNDERWEIGHT ANIMAL ENTANGLED IN UNDESCRIBED MARINE DEBRIS. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	11	OIL / TAR	SANTA BARBARA	CA	SI	EMACIATED, TAR PATCHES ON CHIN AND CHEST. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	11	SHOOTING	SAN FRANCISCO	CA	DEAD	HOLE CONSISTENT WITH SHOOTING / TRACKING WOUND FOUND ON DECOMPOSING ANIMAL.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	13	OIL / TAR	SANTA BARBARA	CA	SI	EMACIATED. SMALL PATCH OF TAR ON RIGHT HIP. EUTHANIZED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	14	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	GREEN MONOFILAMENT NETTING AROUND NECK WITH MULTIPLE KNOTS AND FREE EXPOSED DANGLING LINES, WOUND SUPERFICIAL CUTTING INTO SUBCUTANEOUS TISSUE ONLY, SMALL TAR PATCH ON RIGHT HIP AREA, MODERATELY UNDERWEIGHT. TREATED IN REHAB AND RELEASED.	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2015	2	14	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN THROAT. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	15	HOOK AND LINE FISHERY	ORANGE	CA	SI	MULTIPLE FISH HOOKS ON BODY RIGHT FRONT FLIPPER, UNDER RIGHT EYE, LEFT SHOULDER AND RIGHT LOWER LIP. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	16	HOOK AND LINE FISHERY	MONTEREY	CA	DEAD	FISHING LINE AROUND NECK.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	17	MARINE DEBRIS	SONOMA	CA	SI	ENTANGLEMENT SCAR AROUND NECK, PREVIOUS TAG HOLES IN BOTH FRONT FLIPPERS BUT NO TAG PRESENT. MODERATELY UNDERWEIGHT. ANIMAL DIED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	18	GILLNET FISHERY	MONTEREY	CA	SI	UNDERWEIGHT LETHARGIC ANIMAL ENTANGLED IN MONOFILAMENT NETTING. DIED IN REHAB.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	2	18	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISH HOOK IN MOUTH WITH ABOUT 4 INCHES OF MONOFILAMENT LINE. NARRATIVE INDICATED THAT REHAB FACILITY REMOVED LINE, BUT DID NOT MENTION HOOK. ASSUMED THAT HOOK REMAINS IN MOUTH POST-RELEASE. EMACIATED MALNURISHED PUP WITH MUCUS ON RIGHT EYE.	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	18	HOOK AND LINE FISHERY	SANTA CRUZ	CA	DEAD	CARCASS FOUND WITH MONOFILAMENT LINE. DETAILS LACKING.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	19	HOOK AND LINE FISHERY	ORANGE	CA	NSI	FISH HOOKS INDICATED ON LEFT AND RIGHT FLIPPERS. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	19	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISHING HOOKS IN LEFT FLIPPER PIT AND RIGHT FRONT FLIPPER. TREATED IN REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	19	HOOK AND LINE FISHERY	ORANGE	CA	NSI	UNDERWEIGHT, FISH HOOK LEFT REAR FLIPPER. DIED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	19	HOOK AND LINE FISHERY	VENTURA	CA	SI	ANIMAL ENTANGLED IN MONOFILAMENT LINE. TREATED AT REHAB FACILITY.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	20	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING HOOK REMOVED FROM MOUTH. EMACIATED MALNURISHED PUP, ASSUMED DEPENDENT ANIMAL RELEASED ALONE AFTER TREATMENT AT REHAB FACILITY.	SI	P14	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	21	DOG ATTACK	LOS ANGELES	CA	DEAD	DOG BITES ON NECK. LOOKS LIKE ANIMAL HAD BEEN SHAKEN.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	21	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	UNDERWEIGHT ANIMAL WITH HOOK IN MOUTH. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	21	UNIDENTIFIED HUMAN INTERACTION	MENDOCINO	CA	DEAD	HEAD WAS REMOVED FOR UNKNOWN REASON.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	23	OIL / TAR	SANTA BARBARA	CA	SI	EMACIATED, TAR PATCH ON RIGHT FRONT FLIPPER DORSAL SIDE. DIED AT REHAB FACILITY.	DEAD	NA	1	N	Y

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CALIFORNIA SEA LION	U.S.	2015	2	24	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	LETHARGIC, MONOFILAMENT NETTING CUTTING INTO NECK, MODERATELY UNDERWEIGHT, RIGHT EYE CLOUDY. ANIMAL DIED IN REHAB.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	2	25	OIL / TAR	LOS ANGELES	CA	SI	UNDERWEIGHT AND HYPOTHERMIC ANIMAL WITH TAR ON FACE AND BODY ABOVE SHOULDER. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	25	OIL / TAR	SANTA BARBARA	CA	SI	EMACIATED, COUGHING, MULTIPLE TAR PATCHES DORSAL SIDE. DIED AT REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	25	OIL / TAR	SAN LUIS OBISPO	CA	SI	UNDERWEIGHT, LETHARGIC, OILED ANIMAL. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	25	OIL / TAR	SANTA BARBARA	CA	SI	UNDERWEIGHT ANIMAL WITH TAR ON FLIPPER AND SHOULDER EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	25	OIL / TAR	SANTA BARBARA	CA	SI	EMACIATED ANIMAL WITH PNEUMONIA, TAR ON RIGHT FRONT FLIPPER AND SHOULDER. ANIMAL DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	25	OIL / TAR	SANTA BARBARA	CA	SI	UNDERWEIGHT, LARGE LACERATIONS ON LOWER BACK CONSISTENT WITH PROPELLER INJURY. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	26	OIL / TAR	SAN LUIS OBISPO	CA	SI	COUGHING, EMACIATED, TAR ON CHEST AND MUZZLE. TREATED AND RELEASED FROM REHAB.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	2	26	OIL / TAR	SANTA BARBARA	CA	SI	EMACIATED, TAR PATCH ON RIGHT DORSAL 3X5 CM. EUTHANIZED AT REHAB CENTER.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	27	GILLNET FISHERY	CLATSOP	OR	SI	ODFW CONFIRMED ENTANGLEMENT AND IS CURRENTLY MONITORING THE ANIMAL. THERE APPEARS TO BE A SMALL SECTION OF GILL NET WRAPPED AROUND THE SEA LIONS FACE. ONE SQUARE OF GILL NET IS TIGHT WRAPPED AROUND THE FACE AND RUNS DOWN THE MIDDLE OF THE LEFT EYE, CAUSING THE LEFT EYE TO STAY CLOSED. THE LINE IS ORIENTATED BETWEEN THE EAR AND EAR ON THE RIGHT SIDE. NO BLOOD OR OPEN WOUND FROM ENTANGLEMENT NOTED.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	2	27	OIL / TAR	SANTA BARBARA	CA	SI	UNDERWEIGHT PUP WITH TAR PATCHES ON DORSUM. TREATED AND RELEASED FROM REHAB. ASSUMED DEPENDENT ANIMAL RELEASED ALONE.	SI	P14	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	27	OIL / TAR	SANTA BARBARA	CA	SI	EMACIATED. TAR PATCH ON LEFT SHOULDER. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	27	OIL / TAR	SANTA BARBARA	CA	SI	EMACIATED. TAR PATCHES ON BOTH FRONT FLIPPERS AND BACK. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	28	OIL / TAR	SAN FRANCISCO	CA	SI	UNDERWEIGHT, LETHARGIC, OILED ANIMAL. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	28	OIL / TAR	SANTA BARBARA	CA	SI	EMACIATED. TAR ON MUZZLE, CHIN, LEFT HIND FLIPPER, AND LEFT HIP. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	2	28	VEHICLE COLLISION	SAN DIEGO	CA	DEAD	DIED AT SITE	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	1	OIL / TAR	SANTA BARBARA	CA	SI	EMACIATED. TAR PATCH ON RIGHT HIP AND CAUDAL ABDOMEN. TREATED AT REHAB FACILITY. FINAL OUTCOME UNKNOWN.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	1	SHOOTING	CLATSOP	OR	DEAD	EXCELLENT BODY CONDITION; SUBSTANTIAL AMOUNT OF BLOODY FLUID IN THORACIC CAVITY; TREMENDOUS HEMORRHAGE ASSOCIATED WITH HOLES/TRACKS/DAMAGE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	2	OIL / TAR	SAN MATEO	CA	SI	UNDERWEIGHT, LETHARGIC, OILED ANIMAL. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	2	VEHICLE COLLISION	ORANGE	CA	SI	ANIMAL WAS FOUND ON TRAIN TRACKS NEAR TRAIN STATION, COMATOSE, JAW BROKEN BLOOD COMING FROM MOUTH. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	7	HOOK AND LINE FISHERY	MONTEREY	CA	NSI	ANIMAL WITH FISH HOOK IN CHEST THAT FELL OUT WHEN RESCUED. ANIMAL DIED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	7	OIL / TAR	SAN LUIS OBISPO	CA	SI	TAR ON DORSAL PART OF BODY. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2015	3	8	HOOK AND LINE FISHERY	ORANGE	CA	SI	EMACIATED, DEHYDRATED, 2 TREBLE HOOKS IN MOUTH, 1 LARGE HOOK REAR FLIPPER, FISHING LINE. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	3	8	MARINE DEBRIS	CLATSOP	OR	SI	LINE. PHOTOS SHOWS LINE IS CONSTRICTING NECK.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	8	UNIDENTIFIED FISHERY INTERACTION	SAN MATEO	CA	DEAD	GREEN TWINE ENTANGLEMENT.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	3	8	UNIDENTIFIED HUMAN INTERACTION	LOS ANGELES	CA	SI	PUNCTURE WOUNDS ON JAW AND APPARENT 'BRANDING'	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	9	MARINE DEBRIS	DEL NORTE	CA	SI	WOUND. ANIMAL DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	10	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	ANIMAL ENTANGLED IN MONOFILAMENT NETTING. ANIMAL WAS DARTED FOR CAPTURE AND TRANSFER TO REHAB, BUT DROWNED BEFORE CAPTURE.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	3	14	GILLNET FISHERY	MONTEREY	CA	SI	2 FISH HOOKS EMBEDDED; HYPERTHERMIC; DEEP LACERATION UNDER CHIN; PARASITISM. DIED IN REHAB FACILITY, NO DETAILS ON SEVERITY OF HOOK PLACEMENT.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	14	UNIDENTIFIED FISHERY INTERACTION	SANTA CRUZ	CA	SI	UNDERWEIGHT ANIMAL WITH ENTANGLEMENT SCAR ON NECK DIED IN REHAB.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	3	16	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	UNDERWEIGHT AND DEHYDRATED. FISH HOOK IN FRONT UPPER LEFT LIP. TREATED IN REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	3	17	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	ANIMAL EUTHANIZED. FIVE RUBBER BULLETS FOUND DURING SURGERY. ONLY ABLE TO REMOVE THREE AS BRAIN WAS EXPOSED.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	17	OIL / TAR	SAN DIEGO	CA	SI	UNDERWEIGHT ANIMAL ENTANGLED IN MONOFILAMENT NETTING. TREATED IN REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	3	17	OIL / TAR	SAN DIEGO	CA	SI	LESS THAN 2% EXTERNAL OILING SEEN. TREATED IN REHAB, RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	3	17	OIL / TAR	SAN DIEGO	CA	SI	LESS THAN 2% EXTERNAL OILING SEEN. DIED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	17	SHOOTING	SAN DIEGO	CA	SI	ANIMAL EUTHANIZED. FIVE RUBBER BULLETS FOUND DURING SURGERY. ONLY ABLE TO REMOVE THREE AS BRAIN WAS EXPOSED.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	18	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING HOOK IN LEFT SIDE OF MOUTH. ANIMAL HAVING SEIZURES. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	18	HOOK AND LINE FISHERY	MONTEREY	CA	SI	UNDERWEIGHT ANIMAL ENTANGLED AT BASE OF NECK IN FISHING LINE. TREATED IN REHAB FACILITY, OUTCOME UNKNOWN.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	18	HOOK AND LINE FISHERY	MONTEREY	CA	SI	ANIMAL WITH FISHING LINE AND HOOKS DIED IN REHAB FACILITY. DETAILS ON HOOK PLACEMENT NOT PROVIDED.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	19	HOOK AND LINE FISHERY	ORANGE	CA	NSI	UNDERWEIGHT ANIMAL WITH FISH HOOKS IN RIGHT FLIPPER. EUTHANIZED AT REHAB FACILITY DUE TO OTHER SYMPTOMS INCLUDING PNEUMONOPATHY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	19	OIL / TAR	SAN DIEGO	CA	SI	UNDERWEIGHT, LETHARGIC. TAR BENEATH THE LEFT FLIPPER AND ON THE LEFT FLIPPER. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	3	20	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK AND LEAD WEIGHT IN MOUTH. TREATED IN REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	3	22	GILLNET FISHERY	MONTEREY	CA	SI	UNDERWEIGHT LETHARGIC ANIMAL ENTANGLED IN MONOFILAMENT NETTING. DIED IN REHAB.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	3	22	HOOK AND LINE FISHERY	ORANGE	CA	DEAD	FISH HOOKS BY NOSTRIL. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	22	HOOK AND LINE FISHERY	ORANGE	CA	SI	HOOK AND MONOFILAMENT IN ESOPHAGUS. EUTHANIZED AT REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	23	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	UNDERWEIGHT ANIMAL WITH A FISH HOOK IN THE FACE. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y



Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2015	3	23	OIL / TAR	LOS ANGELES	CA	SI	UNDERWEIGHT ANIMAL WITH OIL PARTICLES AND SIGNIFICANT BIOCHEMICAL ABNORMALITIES; ANEMIA. ANIMAL FOUND ON FREEWAY. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	25	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	EMACIATED ANIMAL WITH FISHING HOOK IN LEFT FLIPPER. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	25	HOOK AND LINE FISHERY	MONTEREY	CA	SI	HOOKS BETWEEN EYES, FISHING LINE AROUND CHEST.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	25	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MONTEREY	CA	SI	ENTANGLED IN 'CRAB POTS'; DIED IN REHAB FACILITY.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	3	26	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT NETTING. DIED IN REHAB FACILITY. DETAILS NOT PROVIDED.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	3	27	OIL / TAR	LOS ANGELES	CA	SI	UNDERWEIGHT ANIMAL WITH SEIZURES WITH TAR ON FLANK AND SHOULDER. EUTHANIZED AT REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	28	SHOOTING	CLATSOP	OR	DEAD	EVIDENCE COLLECTED FROM PELVIS; ENTRANCE AND EXIT HOLE AND TRACK IN NECK; LEFT SIDE OF SNOOT CUT OFF (PROPELLER?); MODERATE AMOUNT OF BLOODY FLUID IN THORACIC AND ABDOMINAL CAVITIES; ANIMAL HAD EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	30	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISHING LINE ATTACHED TO FLIPPER AND MOUTH. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	3	30	OIL / TAR	LOS ANGELES	CA	SI	UNDERWEIGHT ANIMAL WITH TAR ON FLIPPERS. DIED AT REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	1	OIL / TAR	LOS ANGELES	CA	SI	UNDERWEIGHT ANIMAL WITH SEIZURES WITH TAR ON FLIPPERS. EUTHANIZED AT REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	2	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING HOOK IN LEFT REAR FLIPPER. UNDERWEIGHT ANIMAL TREATED IN REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	4	2	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING HOOK IN MOUTH AND IN REAR LEFT FLIPPER. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	4	3	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING HOOKS FOUND IN LOWER RIGHT SIDE OF JAW (1), RIGHT FRONT FLIPPER (1), LEFT SHOULDER (2), AND TWO REMOVED FROM STOMACH. TAR ON LEFT SHOULDER AND NEAR RIGHT EAR. DIED IN REHAB FACILITY	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	3	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	UNDERWEIGHT ANIMAL WITH FISH HOOK IN LOWER LEFT JAW. TREATED IN REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	4	4	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	HYPERTHERMIC, 2 FISH HOOKS IN LEFT REAR FLIPPER. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	4	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	UNDERWEIGHT ANIMAL WITH FISHING LINE AROUND MOUTH AREA. TREATED IN REHAB FACILITY AND RELEASED.	NSI	P8B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	4	4	SHOOTING	CLATSOP	OR	DEAD	TWO PENETRATING HOLES IN THE THORACIC AND ABDOMINAL CAVITIES WITH ASSOCIATED HEMORRHAGE; OTHER AREAS OF HEMORRHAGE IN HEAD AND BODY; INTESTINES TIGHTLY TWISTED; ANIMAL HAD EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	5	GILLNET FISHERY	MONTEREY	CA	SI	MONOFILAMENT NETTING ENTANGLEMENT. TREATED AT REHAB FACILITY, OUTCOME UNKNOWN.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	4	5	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	LETHARGIC ANIMAL WITH HOOK IN LEFT FOREFLIPPER. TREATED IN REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	4	5	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISHING LINE AND HOOKS, LOCATION NOT GIVEN. EUTHANIZED IN REHAB FACILITY. NECROPSY INDICATED ULCERATIVE GASTROPATHY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	5	SHOOTING	CLATSOP	OR	DEAD	SKULL DAMAGE INCLUDED BULLET TRACK THROUGH EYE ORBITS & OTHER BONE DAMAGE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	6	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	UNDERWEIGHT AND DEHYDRATED. ANIMAL HAD HOOK IN MOUTH WHEN PICKED UP. ANIMAL REMOVED IT EN ROUTE TO SEAWORLD SAN DIEGO. TREATED IN REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	4	6	SHOOTING	SAN DIEGO	CA	SI	GUNSHOT PELLETS FOUND POSTMORTEM. ANIMAL EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2015	4	7	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	7	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	7	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	7	GILLNET FISHERY	MONTEREY	CA	SI	MONOFILAMENT NETTING, INJURY DETAILS NOT PROVIDED, ASSUMED SERIOUS INJURY. ANIMAL TREATED AT REHAB FACILITY, OUTCOME UNKNOWN.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	4	7	HOOK AND LINE FISHERY	CLATSOP	OR	SI	RED FISHING LURE HANGING FROM THE LEFT CORNER OF THE LOWER JAW. PHOTO SHOWS HOOKS ARE LIKELY INSIDE LEFT CORNER OF MOUTH.	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	7	HOOK AND LINE FISHERY	MONTEREY	CA	SI	DIED IN REHAB FACILITY. HOOK, FISHING LURE, AND LINE FOUND.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	8	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	8	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	8	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	8	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISH HOOKS, DETAILS NOT GIVEN. ANIMAL DIED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	8	HOOK AND LINE FISHERY	SAN LUIS OBISPO	CA	SI	HOOK IN CHEST WITH LINE. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	8	OIL / TAR	SAN LUIS OBISPO	CA	SI	EMACIATED, CONGESTED AND COUGHING, TAR PATCHES ON BACK. BAD LOCATION- POPULAR DOG BEACH. EUTHANIZED AT REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	11	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOKS IN MOUTH. DIED AT REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	11	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISHING LURE, HOOK AND LINE ENTANGLEMENT. DIED AT REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	12	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT ANIMAL WITH FISH HOOKS IN MOUTH. TREATED IN REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	4	12	HOOK AND LINE FISHERY	MONTEREY	CA	SI	ANIMAL WITH UNSPECIFIED FISH HOOK INJURIES DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	13	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	CONSTRUCTING AND LACERATED FISHING LINE INJURIES AROUND NECK. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	14	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	16	OIL / TAR	SANTA BARBARA	CA	SI	UNDERWEIGHT ANIMAL WITH TAR / OIL. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	17	HOOK AND LINE FISHERY	ORANGE	CA	NSI	UNDERWEIGHT ANIMAL WITH FISH HOOK IN LEFT SHOULDER. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	4	18	HOOK AND LINE FISHERY	ORANGE	CA	SI	EMACIATED ANIMAL WITH FISH HOOKS IN ABDOMEN AND ABCESS IN RIGHT JAW. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	18	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK IN FLIPPER. TREATED IN REHAB AND RELEASED.	NSI	P5C	0	N	N

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CALIFORNIA SEA LION	U.S.	2015	4	20	GILLNET FISHERY	SANTA CRUZ	CA	SI	ANIMAL ENTANGLED IN MONOFILAMENT NETTING DIED IN REHAB.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	4	20	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	SEAWORLD TEAM DISENTAGLED ANIMAL AND CUT OFF MONOFILAMENT FROM AROUND HEAD AND MOUTH. ANIMAL WAS AN EXCELLENT WEIGHT AND AGGRESSIVE. IT WAS RELEASED ON SITE AFTER MONOFILAMENT HAD BEEN REMOVED.	NSI	P8A	0	N	N
CALIFORNIA SEA LION	U.S.	2015	4	20	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	HEALTHY, AGGRESSIVE ANIMAL WITH FISHING HOOK PIERCING BELOW BOTTOM JAW. HOOK REMOVED AND ANIMAL RELEASED ON SITE.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	4	20	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISHING LINE COMING OUT OF MOUTH. EUTHANIZED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	21	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	21	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	21	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	21	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	22	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	22	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	FISH HOOKS, DETAILS NOT GIVEN. ANIMAL DIED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	23	GILLNET FISHERY	MONTEREY	CA	SI	MONOFILAMENT NETTING, INJURY DETAILS NOT PROVIDED, ASSUMED SERIOUS INJURY. ANIMAL TREATED AT REHAB FACILITY, OUTCOME UNKNOWN.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	4	23	GILLNET FISHERY	MONTEREY	CA	SI	NECK ENTANGLEMENT IN MONOFILAMENT NETTING. DIED IN REHAB FACILITY.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	4	23	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISHING HOOK IN LEFT FRONT FLIPPER, VENTRAL SIDE. PUSHED THROUGH AND CUT OFF, RELEASED FROM REHAB FACILITY. SLIGHTLY UNDERWEIGHT.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	4	25	SHOOTING	MONTEREY	CA	SI	GUNSHOT PELLET FOUND IN HEAD POSTMORTEM. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	27	SHOOTING	CLARK	WA	DEAD	TWO SUSPICIOUS HOLES WITH ASSOCIATED TREMENDOUS HEMORRHAGE; HEMORRHAGE IN HEAD; ANIMAL HAD EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	28	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	28	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	4	28	HOOK AND LINE FISHERY	VENTURA	CA	SI	UNDERWEIGHT ANIMAL WITH FISHING LINE IN MOUTH. TREATED AT REHAB FACILITY.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	4	28	VESSEL STRIKE	KING	WA	SI	SEVERE, DEEP AND OPEN PROPELLER INJURY (LACERATION) EXTENDING DOWN NECK TO BASE OF RIGHT FRONT FLIPPER. FISHING LINE EMBEDDED IN HEALED NECK WOUND. EUTHANIZED IN REHAB FACILITY. DEHYDRATION AND PARASITISM NOTED.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	1	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI		DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2015	5	3	MARINE DEBRIS	LINCOLN	OR	SI	ADULT MALE CALIFORNIA SEA LION HAULED OUT ON PORT DOCK 1 WITH A PLASTIC PACKING BAND AROUND THE NECK, CUTTING INTO FLESH VENTRALLY.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	4	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISHING WIRE AROUND NECK; LESIONS ON ALL FLIPPERS; THIN; CONGESTION; RESPIRATION LABORED. EUTHANIZED AT REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	5	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	ANIMAL WITH UNSPECIFIED FISH HOOK INJURIES DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	5	MARINE DEBRIS	LINCOLN	OR	SI	ADULT MALE CALIFORNIA SEA LION HAULED OUT ON PORT DOCK 1 WITH A PLASTIC PACKING BANDOR FISHING LINE WRAPPED VERY TIGHTLY AROUND THE NECK. VERY ACTIVE AND COMING AND GOING FROM THE SITE.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	5	UNIDENTIFIED HUMAN INTERACTION	LOS ANGELES	CA	SI	LONG LINEAR LACERATION, LEFT REAR FLIPPER. UNDERWEIGHT ANIMAL TAKEN TO REHAB FACILITY, TREATED AND RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	6	GILLNET FISHERY	COLUMBIA	OR	DEAD	GILL NET IN MOUTH AND THROAT; EVIDENCE IN NECK; ASPHYXIATION AND PULMONARY ASPIRATION CAUSED BY INGESTION OF GILL NET AND AMERICAN SHAD THAT WAS LODGED IN THROAT; TREMENDOUS HEMORRHAGE AND CLOTTING IN NECK.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	5	6	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISHING HOOK AND LINE IN LEFT FRONT FLIPPER NEAR BEND OF FLIPPER ON VENTRAL SIDE. REMOVED ON SITE, BUT HAD PUSS POCKET. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	7	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE IN MOUTH. TWO HOOKS SEEN, ONLY ONE WAS FOUND. TREATED IN REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	7	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	HOOK REMOVED FROM LEFT SIDE OF MUZZLE. HAD A LARGE LURE REMOVED BY VETERINARIAN. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	8	OIL / TAR	SAN DIEGO	CA	SI	UNDERWEIGHT ANIMAL WITH TAR / OIL AND FISHING LINE ON FUR. RASPY COUGH. TREATED IN REHAB AND RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	8	SHOOTING	CLATSOP	OR	DEAD	EVIDENCE FOUND IN BODY; HEMORRHAGE AND TISSUE DAMAGE LOCATED IN VARIOUS AREAS OF THE BODY; ANIMAL HAD EXCELLENT BODY CONDITION. NOAA ENFORCEMENT CASE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	9	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISHING HOOKS IN MOUTH. HOOKS REMOVED AT REHAB FACILITY, TREATED AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	9	OIL / TAR	MARIN	CA	SI	APPROACHING PEOPLE, MODERATELY UNDERWEIGHT. TAR PATCHES ON VENTRUM AND DORSUM. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	13	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	13	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	13	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	13	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	13	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2015	5	13	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL TRANSFERRED TO CAPTIVE DISPLAY FACILITY.	CAPTIVITY	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	13	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL TRANSFERRED TO CAPTIVE DISPLAY FACILITY.	CAPTIVITY	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	13	SHOOTING	SAN DIEGO	CA	SI	ABCESS ON LEFT SIDE, SUSPECTED GUNSHOT/PUNCTURE BLEEDING WOUND ON LEFT SHOULDER. DEHYDRATED, LETHARGIC. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	14	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	14	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	14	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	16	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT NETTING. DIED IN REHAB FACILITY. DETAILS NOT PROVIDED.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	5	16	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	UNDERWEIGHT ANIMAL WITH TWO FISH HOOKS IN THE HEAD. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	18	GILLNET FISHERY	SANTA BARBARA	CA	SI	ANIMAL ENTANGLED IN MONOFILAMENT NETTING, DIED IN REHAB.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	5	18	HARASSMENT	SANTA CRUZ	CA	SI	UNDERWEIGHT ANIMAL WITH PNEUMONIA HARASSED BY THE PUBLIC. TRANSFERRED TO PUBLIC DISPLAY FACILITY.	CAPTIVITY	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	19	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	19	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	19	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	19	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	19	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	19	MARINE DEBRIS	LOS ANGELES	CA	SI	EMACIATED ANIMAL HAD CIRCUMFERENTIAL CONSTRICTING NECK WOUND FROM STRAPPING MATERIAL. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	19	SHOOTING	COWLITZ	WA	DEAD	EVIDENCE FOUND IN SKULL. NOAA ENFORCEMENT CASE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	20	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2015	5	20	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	20	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	20	MARINE DEBRIS	MARIN	CA	SI	UNDERWEIGHT ANIMAL ENTANGLED IN UNDESCRIBED MARINE DEBRIS. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	21	OIL / TAR	SANTA BARBARA	CA	SI	ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. 26-50% EXTERNAL OIL SEEN. HEAD, HIND AND FRONT FLIPPERS, VENTRUM, THROAT, MOUTH OILED. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	22	GILLNET FISHERY	SAN DIEGO	CA	SI	CONSTRUCTING MONOFILAMENT GILLNET INJURY AROUND NECK. TREATED IN REHAB FACILITY AND RELEASED.	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2015	5	22	OIL / TAR	SANTA BARBARA	CA	SI	UNDERWEIGHT, MILD DEHYDRATION, 1 CENTIMETER WOUND ON LEFT FLIPPER. OIL ON MUZZLE. 2-25% EXTERNAL OILING SEEN. OIL ON VENTRAL THORAX, ABDOMEN, FRONT FLIPPERS. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	22	OIL / TAR	VENTURA	CA	SI	ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. 2-25% EXTERNAL OILING SEEN. OIL ON PELAGE ON CHIN. OIL PRESENT ON CHIN, ABDOMEN, DORSAL SURFACE OF BOTH FRONT FLIPPERS, BOTH REAR FLIPPERS. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	22	OIL / TAR	VENTURA	CA	SI	EMACIATED, LETHARGIC. APPROX. 10% OIL/TAR ON BODY. TRANSPORTED TO OWCN FIELD TRIAGE. FINAL OUTCOME UNKNOWN.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	22	UNIDENTIFIED HUMAN INTERACTION	LOS ANGELES	CA	SI	UNDERWEIGHT ANIMAL WITH LACERATIONS ON LEFT SIDE OF BODY; SEVERAL CUTS TO LEFT FOREFLIPPER; CITIZEN APPLIED TISSUE GLUE TO WOUNDS TRAPPING DEBRIS. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	23	MARINE DEBRIS	SANTA BARBARA	CA	SI	UNDERWEIGHT ANIMAL ENTANGLED IN UNDESCRIBED MARINE DEBRIS. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	23	OIL / TAR	VENTURA	CA	SI	ANIMAL TREATED AND RELEASED FROM REHAB. 2-25% EXTERNAL OILING SEEN. OPEN LESIONS ON FIRST DIGIT ON RIGHT FRONT FLIPPER AND RECTUM. MODERATE DEHYDRATION. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	23	OIL / TAR	SANTA BARBARA	CA	SI	MILD DEHYDRATION. 2-25% EXTERNAL OILING SEEN. OIL ON FUR ALONG FLIPPERS, CHEST, VESTRUM, ABOVE LEFT EYE, AND LEFT SIDE OF FACE. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	23	OIL / TAR	SANTA BARBARA	CA	SI	26-50% EXTERNAL OILING SEEN. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. OIL AND BLOOD SAMPLES WERE TAKEN ACCORDING TO NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION AND OILED WILDLIFE CARE NETWORK OIL SPILL RESPONSE PROTOCOLS. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	23	OIL / TAR	SANTA BARBARA	CA	SI	OIL ON BODY, STRONG PETROLEUM ODOR. TRANSPORTED TO OWCN FIELD TRIAGE. FINAL OUTCOME UNKNOWN.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	23	OIL / TAR	VENTURA	CA	SI	VERY THIN CSL WITH OIL ON BODY. TRANSPORTED TO OWCN FIELD TRIAGE. FINAL OUTCOME UNKNOWN.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	23	OIL / TAR	SAN LUIS OBISPO	CA	SI	UNDERWEIGHT ANIMAL WITH A LOT OF TAR ON ABDOMEN. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2015	5	23	UNIDENTIFIED HUMAN INTERACTION	VENTURA	CA	SI	ANIMAL FOUND WITH SPEAR IN SIDE, TRANSFERRED TO REHAB. FINAL OUTCOME UNKNOWN.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	24	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING HOOK IN MOUTH. TREATED IN REHAB FACILITY AND RELEASED. ANIMAL RESTRAINED IN MONTEREY IN NOVEMBER, UNDERWEIGHT. CONSIDERED SERIOUS INJURY DESPITE REHAB EFFORTS DUE TO ANIMAL CONDITION.	SI	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	24	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	HYPOTHERMIC; COMATOSE; FISHING LINE DOWN THROAT; UNDERWEIGHT ANIMAL. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	24	OIL / TAR	SANTA BARBARA	CA	SI	MODERATE DEHYDRATION. 2-25% EXTERNAL OILING SEEN. ANIMAL PICKED UP AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	24	OIL / TAR	SANTA BARBARA	CA	SI	UNDERWEIGHT, MILD DEHYDRATION. 26-50% EXTERNAL OILING SEEN. SUPERFICIAL OIL COVERING OF FLIPPERS, VENTRUM, HEAD, THROAT. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. TREATED AT REHAB FACILITY AND RELEASED WITH SATELLITE TRANSMITTER. FINAL OUTCOME UNKNOWN, NO ADDITIONAL DETAILS ON SATELLITE TRACKING RESULTS.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	24	OIL / TAR	VENTURA	CA	SI	THIN, MODERATE DEHYDRATION. 2-25% EXTERNAL OILING SEEN. OIL ON VENTRAL THORAX, ABDOMEN, AND LEADING EDGE OF FORE AND HIND FLIPPERS. ANIMAL COLLECTED AS PART OF THE REFUGIO BEACH OIL SPILL RESPONSE. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	24	SHOOTING	UNKNOWN	OR	DEAD	EVIDENCE COLLECTED FROM SKULL. NOAA ENFORCEMENT CASE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	25	HOOK AND LINE FISHERY	ORANGE	CA	SI	EMACIATED ANIMAL WITH FISH HOOKS IN MOUTH. EUTHANIZED IN REHAB FACILITY.	DEAD	PSA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	25	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	UNDERWEIGHT ANIMAL WITH MULTIPLE FISH HOOK INJURIES, DIED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	25	OIL / TAR	SANTA BARBARA	CA	SI	LESS THAN 2% EXTERNAL OILING SEEN. TREATED IN REHAB, RELEASED	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	25	OIL / TAR	SANTA BARBARA	CA	SI	TREATED AND RELEASED FROM REHAB. MILD DEHYDRATION. LESS THAN 2% EXTERNAL OILING SEEN. SUPERFICIAL OIL SHEEN ON VENTRUM AND FLIPPERS. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	25	OIL / TAR	SANTA BARBARA	CA	SI	UNDERWEIGHT AND DEHYDRATED. LESS THAN 2% EXTERNAL OILING SEEN. OIL ON RIGHT FRONT FLIPPER. SCANT SHEEN ON HIND FLIPPERS AND RIGHT VENTRAL CERVICAL AREA. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. ANIMAL TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	25	OIL / TAR	SANTA BARBARA	CA	SI	ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. 26-50% EXTERNAL OILING SEEN. OIL SPOTS ON LEFT HOP, VENTRUM, MUZZLE, HEAD, VENTRAL NECK, FRONT FLIPPERS. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	26	SHOOTING	PACIFIC	WA	DEAD	EVIDENCE IN BODY W/ASSOC. HEMORRHAGE; BLOOD FROM NOSE AND LEFT EYE; TREMENDOUS HEMORRHAGE IN HEAD AND BODY; RIGHT LUNG HEMORRHAGED WITH POSSIBLE TRACK/HOLE; RIGHT PLEURAL CAVITY FILLED WITH BLOOD; ANIMAL HAD EXCELLENT BODY CONDITION. NOAA ENFORCEMENT CASE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	26	SPEARING	VENTURA	CA	SI	SEA LION HAD A 2 FOOT SPEAR ON HIS LEFT MIDSECTION SIDE, STICKING OUT OF HIM. IT WAS REMOVED ON SITE. LACERATION SIZE IS 6 INCHES TO 8 INCHES LONG AND 5 INCHES WIDE. EUTHANIZED IN REHAB.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2015	5	27	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	PUP HAD TWO FISHING HOOKS IN MOUTH WITH MONOFILAMENT. ONE HOOK IN EACH SIDE OF THE MOUTH. TREATED IN REHAB FACILITY AND RELEASED. TREATED AS SERIOUS INJURY BECAUSE ANIMAL MAY BE A DEPENDENT PUP RELEASED ALONE.	SI	P14	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	27	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	UNDERWEIGHT ANIMAL. FISH HOOK FOUND IN STOMACH.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	27	OIL / TAR	SANTA BARBARA	CA	SI	ULCERATIVE GASTRITIS. DIED IN REHAB FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	27	OIL / TAR	SANTA BARBARA	CA	SI	LESS THAN 2% EXTERNAL OILING SEEN. TREATED IN REHAB, RELEASED	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	27	OIL / TAR	SANTA BARBARA	CA	SI	1 CENTIMETER LACERATION OVER RIGHT HIP. ANIMAL WAS COLLECTED AS PART OF THE REFUGIO BEACH OIL SPILL RESPONSE. HAD 51-75% EXTERNAL OILING SEEN. DIED IN REHAB FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	27	OIL / TAR	SANTA BARBARA	CA	SI	UNDERWEIGHT, MILD DEHYDRATION. 51-75% EXTERNAL OILING SEEN. OIL AROUND EYES AND NOSE, ALL FLIPPERS, ENTIRE VENTRAL SIDE. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. TREATED AT REHAB AND RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	27	OIL / TAR	SANTA BARBARA	CA	SI	UNDERWEIGHT. 26-50% EXTERNAL OILING SEEN. OIL SEEN AROUND MUZZLE AND EYES. OIL SHEEN ON FLIPPERS AND DORSAL BODY. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. TREATED AND RELEASED FROM REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	28	OIL / TAR	SANTA BARBARA	CA	SI	LESS THAN 2% EXTERNAL OILING SEEN. DIED IN REHAB.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	28	OIL / TAR	SANTA BARBARA	CA	SI	ANIMAL TREATED AND RELEASED FROM REHAB FACILITY. DIARRHEA. OIL IN BETWEEN VIBRISSAE. LESS THAN 2% EXTERNAL OILING SEEN. ANIMAL COLLECTED AS PART OF THE REFUGIO BEACH OIL SPILL RESPONSE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	28	OIL / TAR	SANTA BARBARA	CA	SI	ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. LESS THAN 2% EXTERNAL OILING SEEN. UNDERWEIGHT ANIMAL TREATED AND RELEASED FROM REHAB.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	28	OIL / TAR	VENTURA	CA	SI	ANIMAL DESCRIBED AS 'OILED' BROUGHT TO REHAB FACILITY. OUTCOME UNKNOWN.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	29	OIL / TAR	SANTA BARBARA	CA	SI	LESS THAN 2% EXTERNAL OILING SEEN. TREATED IN REHAB, RELEASED	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	29	OIL / TAR	SANTA BARBARA	CA	SI	UNDERWEIGHT. ANIMAL GOT OUT OF TRANSPORT CARRIER AND FELL OFF TRUCK. 2-25% EXTERNAL OILING SEEN ON HEAD AND ABDOMEN. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	29	OIL / TAR	SANTA BARBARA	CA	SI	2-25% EXTERNAL OILING SEEN ON MUZZLE, RIGHT LATERAL ABDOMEN, RIGHT SHOULDER, HEAD AND NECK. THIN AND DEHYDRATED. OPEN LESION ON LEFT MANDIBLE, NEXT TO THIRD POSTERIOR CANINE. DIED IN REHAB FACILITY. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	30	OIL / TAR	VENTURA	CA	SI	DIED IN REHAB FACILITY. ANIMAL COLLECTED AS PART OF THE REFUGIO BEACH OIL SPILL RESPONSE. 2-25% EXTERNAL OILING SEEN ON REAR END, HIND FLIPPERS, LEFT SCAPULA, AND NEAR EYES.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	30	OIL / TAR	SANTA BARBARA	CA	SI	ANIMAL DIED IN REHAB FACILITY. ANIMAL WAS PICKED UP ALIVE FROM THE OIL SPILL ZONE. 5% EXTERNAL OILING SEEN ON LEFT LATERAL CAUDAL. EMACIATED. SUPERFICIAL ABRASIONS ON VENTRAL SIDE OF ALL FLIPPERS. DEHYDRATED. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	31	OIL / TAR	SANTA BARBARA	CA	SI	2-25% EXTERNAL OILING NOTED. TREATED IN REHAB, RELEASED	NSI	P9	0	N	N



Appendix 4. Records of human-related injury and mortality, 2012-2016.

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CALIFORNIA SEA LION	U.S.	2015	5	31	OIL / TAR	SANTA BARBARA	CA	SI	LESS THAN 2% EXTERNAL OILING SEEN ON LEFT TARSAS, HIND FLIPPER AND TAIL, RIGHT FLIPPER AXILLARY. TREATED IN REHAB, RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	5	31	OIL / TAR	VENTURA	CA	SI	MILDLY DEHYDRATED, THIN. LESION ON MIDDLE OF TONGUE AND UNDER LEFT EYE. LESS THAN 2% EXTERNAL OILING SEEN ON RIGHT HIP, RIGHT SIDE AND ON CHEST. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	5	31	OIL / TAR	SANTA BARBARA	CA	SI	MODERATELY DEHYDRATED. RIGHT FRONT FLIPPER SWOLLEN. LESS THAN 2% EXTERNAL OILING SEEN ON SNOUT, NECK, VENTRAL THORAX, AROUND EYES, AND CHEST. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. ANIMAL EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	1	OIL / TAR	VENTURA	CA	SI	ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. LESS THAN 2% EXTERNAL OILING PREVIOUSLY SEEN NEAR BASE OF TAIL. UPON INTAKE, NO OIL WAS VISIBLE. ANIMAL WAS THIN AND MILDLY DEHYDRATED. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	1	OIL / TAR	SANTA BARBARA	CA	SI	ANIMAL COLLECTED AS PART OF THE REFUGIO BEACH OIL SPILL RESPONSE. LESS THAN 2% EXTERNAL OILING SEEN ON REAR END. THIN AND SLIGHTLY DEHYDRATED. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	2	OIL / TAR	SANTA BARBARA	CA	SI	UNDERWEIGHT, DEHYDRATED. LESS THAN 2% EXTERNAL OILING SEEN IN PATCHES ON DORSAL, AND SURFACE OF VENTRUM. SPOTS ON LEFT MUZZLE AND VENTRAL BODY. MILD FORE-FLIPPER PATCHES ON DORSAL SIDE. ANIMAL WAS COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. RELEASED FROM REHAB FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	6	3	OIL / TAR	SANTA BARBARA	CA	SI	2-25% EXTERNAL OILING NOTED. TREATED IN REHAB AND RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	6	3	OIL / TAR	LOS ANGELES	CA	DEAD	LESS THAN 2% EXTERNAL OILING SEEN. DIED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	4	MARINE DEBRIS	LINCOLN	OR	SI	ROPE WAS SEEN WRAPPED AROUND ANIMAL'S BODY FOR SEVERAL HOURS BEFORE IT MANAGED TO FREE ITSELF, PHOTO IN HMSC ARCHIVE	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	6	5	HOOK AND LINE FISHERY	MONTEREY	CA	SI	UNDERWEIGHT ANIMAL WITH NECK ENTANGLEMENT IN FISHING LINE. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	5	OIL / TAR	VENTURA	CA	SI	UNDERWEIGHT. LESS THAN 2% EXTERNAL OILING SEEN ON LEFT SHOULDER. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	6	5	SHOOTING	PACIFIC	WA	DEAD	EVIDENCE FOUND IN HEAD; THE HEART AND SOME AREAS OF THE BODY HEMORRHAGED; THE ANIMAL HAD EXCELLENT BODY CONDITION. NOAA ENFORCEMENT CASE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	6	UNIDENTIFIED FISHERY INTERACTION	SANTA BARBARA	CA	SI	UNDERWEIGHT ANIMAL ENTANGLED IN GEAR OR MATERIAL OF UNKNOWN TYPE, TREATED AT REHAB FACILITY.	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2015	6	7	OIL / TAR	SANTA BARBARA	CA	SI	ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. LESS THAN 2% EXTERNAL OILING SEEN ON LEFT NECK AND VENTRUM (MID THORAX). OIL AND BLOOD SAMPLES WERE TAKEN. TREATED IN REHAB FACILITY AND RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	6	8	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	HAULED ABOARD DEAD IN NET.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	6	11	SHOOTING	SANTA BARBARA	CA	SI	EUTHANIZED IN REHAB. BULLET RECOVERED POSTMORTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	12	OIL / TAR	VENTURA	CA	SI	LESS THAN 2% EXTERNAL OILING SEEN. TREATED IN REHAB, RELEASED	NSI	P9	0	N	N

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CALIFORNIA SEA LION	U.S.	2015	6	13	OIL / TAR	VENTURA	CA	SI	LESS THAN 2% EXTERNAL OILING SEEN. TREATED IN REHAB, RELEASED	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	6	14	OIL / TAR	VENTURA	CA	SI	ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. LESS THAN 2% EXTERNAL OILING SEEN ON RIGHT SHOULDER. ANIMAL HAD MULTIPLE SEIZURES ON THE BEACH BEFORE AND DURING RESCUE. 2 FULL BODY SEIZURES, ABOUT 1 MINUTE LONG EACH, FOLLOWED BY SEVERAL SHORTER SEIZURES. ON ARRIVAL TO FACILITY, TWITCHING FOLLOWED BY GRAND MAL SEIZURE (FACIAL TWITCHING, JACK SMACKING, FLIPPER FLAPPING). SEIZURES STOPPED AFTER FIVE MINUTES. SEIZURE ACTIVITY RESUMED LATER ON IN THE NIGHT AND AGAIN THE NEXT MORNING.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	14	OIL / TAR	SANTA BARBARA	CA	SI	ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. LESS THAN 2% EXTERNAL OILING SEEN AROUND LEFT HIP AND LEFT CERVICAL REGION. MILD DEHYDRATION. MILD SWOLLEN VULVA. ANIMAL EUTHANIZED AT REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	14	OIL / TAR	SANTA BARBARA	CA	SI	UNDERWEIGHT, DEHYDRATED, DIARRHEA. LESS THAN 2% EXTERNAL OILING SEEN ON LEFT SHOULDER. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	6	14	OIL / TAR	SANTA BARBARA	CA	SI	UNDERWEIGHT, DEHYDRATED. LESS THAN 2% EXTERNAL OILING SEEN ON RIGHT HIP. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL REPNSE. RELEASED FROM REHAB FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	6	14	OIL / TAR	VENTURA	CA	SI	UNDERWEIGHT. LESS THAN 2% EXTERNAL OILING SEEN ON RIGHT SHOULDER, RIGHT AXILLARY, AND LEFT NECK. ANIMAL COLLECTED AS PART OF THE REFUGIO BEACH OIL SPILL RESPONSE. ANIMAL DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	16	HOOK AND LINE FISHERY	ORANGE	CA	SI	HOOK IN MOUTH. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	6	16	OIL / TAR	SANTA BARBARA	CA	SI	LESS THAN 2% EXTERNAL OILING SEEN. DIED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	16	OIL / TAR	VENTURA	CA	SI	ANIMAL DIED IN REHAB FACILITY. EMACIATED. LACERATIONS ON FLIPPERS. LESS THAN 2% EXTERNAL SUSPECT OILING SEEN ON RIGHT LATERAL ELBOW. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	17	HARASSMENT	ORANGE	CA	SI	PUBLIC PICKING UP APPROX. 1 WEEK OLD PUP.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	17	SHOOTING	SAN LUIS OBISPO	CA	SI	TRANSFERRED TO REHAB FACILITY, OUTCOME UNKNOWN. ANIMAL HAD MULTIPLE INJURIES (ENTANGLEMENT, VESSEL STRIKE, GUNSHOT). EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	18	HOOK AND LINE FISHERY	SAN DIEGO	CA	DEAD	RESTRICTIVE ENTANGLEMENT OF MONOFILAMENT LINE AROUND NECK LACERATED BLUBBER AND MUSCLE, DOWN TO TRACHEA. LINE LIKELY LACERATED MAJOR ARTERY, WHICH WOULD HAVE CAUSED BLOOD LOSS AND DEATH.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	18	HOOK AND LINE FISHERY	MONTEREY	CA	SI	MODERATELY UNDERWEIGHT, TREBLE HOOK AND LURE IN REAR FLIPPER. TRANSFERRED TO PUBLIC DISPLAY FACILITY AFTER REHAB.	CAPTIVITY	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	18	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	HAULED ABOARD DEAD IN NET.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	6	18	SHOOTING	LINCOLN	OR	SI	GUNSHOT WOUND TO HEAD. NO FURTHER DETAILS.	SI	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	19	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	HAULED ABOARD DEAD IN NET.	DEAD	NA	1	Y	Y

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CALIFORNIA SEA LION	U.S.	2015	6	22	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING HOOK STUCK IN MOUTH. ACTIVE, ALERT, LOOSE STOOLS, FAIR BODY CONDITION. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	6	22	OIL / TAR	VENTURA	CA	SI	SWOLLEN LEFT FLIPPER. LESS THAN 2% EXTERNAL OILING SEEN. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. ANIMAL WAS PICKED UP ALIVE FROM THE OIL SPILL ZONE. DIED IN CARE AT FORT MACARTHUR.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	23	SHOOTING	UNKNOWN	OR	DEAD	EVIDENCE FROM BODY W/ASSOC. TRACKING WOUNDS AND TRAUMA; EXTENSIVE HEMORRHAGE IN HEAD AND BODY. ANIMAL HAD EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	24	HOOK AND LINE FISHERY	ORANGE	CA	SI	EMACIATED, DEHYDRATED, FISH HOOK REAR FLIPPER. EUTHANIZED IN REHAB FACILITY. NECROPSY NOTED GASTROPATHY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	28	GILLNET FISHERY	MONTEREY	CA	SI	CLEAR MONOFILAMENT NETTING TANGLED AROUND NECK. ANIMAL TREATED AT REHAB FACILITY, OUTCOME UNKNOWN.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	6	28	MARINE DEBRIS	MONTEREY	CA	DEAD	FOUND IN TRASHBAG.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	6	29	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	REMOVED FISHING LINE FROM AROUND NECK; 1 CM DEEP CHRONIC WOUND OVER SHOULDER JOINTS BILATERALLY; HYPERTHERMIC; UNDERWEIGHT. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	7	5	GILLNET FISHERY	ORANGE	CA	SI	GILL NET TIGHTLY AROUND NECK, EMACIATED, DEHYDRATED, NECK WOUND. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	7	8	SCIENTIFIC RESEARCH	VENTURA	CA	DEAD	A DEAD CALIFORNIA SEA LION WAS DISCOVERED DURING HAUL BACK IN A PELAGIC LONGLINE. THE ANIMAL WAS FOUL-HOOKED IN ITS BACK THROUGH ITS FUR AND SKIN. THIS TAKE OCCURRED DURING AN EXPERIMENTAL SET (BLUE SHARK SURVIVAL STUDY). THE APPROXIMATE DEPTH OF THE LINE WAS 60 M.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	7	9	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	HAULED ABOARD DEAD IN NET.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	7	9	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	HOOK FOUND PERFORATING ESOPHAGUS ON NECROPSY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	7	9	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	SI	DIED DURING TRANSPORT TO REHAB. DETAILS ON NATURE OF FISHERY-RELATED INJURY NOT PROVIDED.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	7	10	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	SELF-REPORTED DROWNING OF SEA LION IN GROUND FISH NET.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	7	10	SHOOTING	PACIFIC	WA	DEAD	SUSPECTED SHOOTING. HOLES WITH ASSOCIATED TREMENDOUS HEMORRHAGE IN BODY; AREAS OF BLACK TISSUE (FROM LEAD?); AT LEAST TWO SHATTERED RIBS AT STERNUM W/ASSOCIATED TISSUE. DAMAGE AND HEMORRHAGE; HEART AND LUNG HEMORRHAGED; ANIMAL HAD EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	7	14	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN MOUTH. ANIMAL EUTHANIZED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	7	15	UNIDENTIFIED HUMAN INTERACTION	MONTEREY	CA	DEAD	YELLOW WAX MARKINGS ON DORSAL SURFACE. TMMC RESCUE TEAM SAID ANIMAL WAS ALERT AND ACTIVE AND THEN SUDDENLY SEIZED AND DIED ON THE BEACH. THE ANIMAL WAS PICKED UP LESS THAN 24 HOURS LATER. ANIMAL WAS FRESH BUT MISSING EYES AND HAD A SMALL HOLE UNDERNEATH THE FRONT LEFT FLIPPER.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	7	17	UNIDENTIFIED HUMAN INTERACTION	SAN LUIS OBISPO	CA	SI	TRAUMA TO MOUTH. SUSPECTED SEAL BOMB OR OTHER	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	7	25	UNIDENTIFIED FISHERY INTERACTION	SAN MATEO	CA	SI	BLUNT FORCE TRAUMA. ANIMAL DIED IN REHAB FACILITY. BROKEN JAW, SUSPECTED SEAL BOMB INJURY. ANIMAL DIED IN REHAB.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	7	27	MARINE DEBRIS	LINCOLN	OR	SI	PLASTIC PACKING BAND TIGHTLY WRAPPED AROUND NECK; CUTTING INTO FLESH; PUS EVIDENT.	SI	P8A	1	N	Y

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CALIFORNIA SEA LION	U.S.	2015	7	30	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	HAULED ABOARD DEAD IN NET.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	8	1	HOOK AND LINE FISHERY	SAN DIEGO	CA	DEAD	MONOFILAMENT LINE AROUND BOTH FRONT FLIPPERS.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	8	2	UNIDENTIFIED FISHERY INTERACTION	SAN FRANCISCO	CA	DEAD	THIS ANIMAL WAS ENTANGLED AND PULLED UP DEAD ON A FISHING BOAT.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	8	3	GILLNET FISHERY	MONTEREY	CA	SI	LETHARGIC ANIMAL ENTANGLED IN MONOFILAMENT NETTING AROUND NECK AND FLIPPERS. DIED IN REHAB FACILITY.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	8	7	HOOK AND LINE FISHERY	SAN FRANCISCO	CA	SI	APPARENT DEEP MONOFILAMENT WOUND ON NECK. RESCUE EFFORT FAILED.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	8	9	GILLNET FISHERY	MONTEREY	CA	SI	NECK ENTANGLEMENT IN MONOFILAMENT NETTING. SENT TO REHAB FACILITY, UNKNOWN OUTCOME.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	8	13	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	HAULED ABOARD DEAD IN NET.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	8	13	SHOOTING	PACIFIC	WA	DEAD	MULTIPLE HOLES WITH ASSOCIATED HEMORRHAGE IN BODY AND POSTERIOR HEAD; PART OF LEFT SKULL "BLOWN AWAY"; NECK TREMENDOUSLY HEMORRHAGED.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	8	19	SHOOTING	MARIN	CA	DEAD	BULLET HOLES IN CHEST.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	8	20	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	SELF-REPORTED DROWNING OF SEA LION IN GROUND FISH NET.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	8	23	MARINE DEBRIS	GRAYS HARBOR	WA	SI	PACKING BAND OR FISHING LINE CUTTING DEEPLY INTO NECK OF ANIMAL.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	8	25	DOG ATTACK	HUMBOLDT	CA	SI	DOG BITES ON BACK AND STOMACH. TREATED IN REHAB AND RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	8	29	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN ESOPHAGUS. TREATED IN REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	9	5	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	ANIMAL HAD FISHING LINE CUTTING INTO ITS NECK. TREATED IN REHAB FACILITY AND RELEASED.	NSI	P8A	0	N	N
CALIFORNIA SEA LION	U.S.	2015	9	5	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	MONOFILAMENT AROUND NECK, NOT CUTTING INTO ANIMAL. TREATED IN REHAB AND RELEASED.	NSI	P8B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	9	6	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE IN MOUTH. TREATED AT REHAB FACILITY AND RELEASED. NO DETAILS ON WHETHER HOOKS WERE PRESENT AND/OR REMOVED. ASSUMED SERIOUS INJURY BECAUSE OF PROBABLE GEAR INGESTION.	SI	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	9	13	SHOOTING	CLATSOP	OR	DEAD	HOLES, HEMORRHAGE, AND OTHER TRAUMA CONSISTENT WITH SHOOTING.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	9	14	SCIENTIFIC RESEARCH	OFFSHORE	CA	NSI	THE SALMON OCEAN ECOLOGY TEAM WAS REVIEWING GO-PRO FOOTAGE FROM THEIR TRAWL ON 9/14/2015 AND NOTICED A SEA LION ACTIVELY SWIMMING IN AND OUT OF THE TRAWL INTERMEDIATE SECTION THROUGH THE MOUTH OF THE NET, AND THEN EVENTUALLY LEAVING THE NET THROUGH THE EXCLUDER. THE ANIMAL SEEMED TO BE COMPLETELY UNINJURED BY THE INTERACTION.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	9	17	MARINE DEBRIS	LINCOLN	OR	SI	ANIMAL WITH DEEP CONSTRICTING NECK ENTANGLEMENT OOOZING FLUID; ENTANGLING MATERIAL UNKNOWN.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	9	20	SCIENTIFIC RESEARCH	OFFSHORE	CA	SI	SEA LION WAS DISCOVERED TO BE HOOKED IN THE MOUTH DURING RETRIEVAL OF THE LONGLINE AT 0949. IT WAS RELEASED IN GOOD CONDITION -SWAM AWAY LIVELY AND ENERGETIC. DETAILS LACKING ON WHETHER HOOK WAS REMOVED OR FELL OUT. ASSUMED SERIOUS INJURY BECAUSE OF HOOK REMAINING IN MOUTH.	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	9	21	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	HOOK AND LINE HANGING FROM RIGHT SIDE OF MOUTH. SWOLLEN JAW. ANIMAL TRANSFERRED TO CAPTIVE DISLPAY FACILITY FOLLOWING REHAB.	CAPTIVITY	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	9	21	MARINE DEBRIS	CLATSOP	WA	SI	CONSTRICTING NECK WOUND WHICH APPEARS TO BE FAIRLY DEEP AND OOOZING FLUID, BASED ON REVIEW OF PHOTOS.	SI	P8A	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
									NYLON NETTING ENTANGLEMENT AROUND NECK.					
CALIFORNIA SEA LION	U.S.	2015	9	25	GILLNET FISHERY	MONTEREY	CA	SI	TRANSFERRED TO REHAB FACILITY. OUTCOME UNKNOWN.	SI	P8A	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	9	25	MARINE DEBRIS	MARIN	CA	SI	UNDERWEIGHT ANIMAL ENTANGLED IN UNDESCRIBED MARINE DEBRIS. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	9	26	SHOOTING	MARIN	CA	DEAD	BULLET FOUND IN SKULL POSTMORTEM.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	9	29	SHOOTING	CLARK	WA	DEAD	OBVIOUS BULLET/PELLET HOLES IN NECK AND HEAD WITH ASSOCIATED TRAUMA; THE SEA LION HAD VERY GOOD BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	10	3	SHOOTING	SAN DIEGO	CA	SI	EMACIATED, LETHARGIC. TWO PUNCTURE WOUNDS ON LEFT SHOULDER WITH PUS. MULTIPLE GUNSHOT WOUNDS AND BULLETS FOUND IN XRAY ON 10/6/15.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	10	14	SHOOTING	CLATSOP	OR	DEAD	CLEARLY SHOT IN HEAD; LEFT MANDIBLE BROKEN IN HALF; MUCH OF SKULL EXPOSED; UPPER LEFT CANINE AND POSSIBLY OTHER TEETH REMOVED BY UNKNOWN PERSON; POSSIBLE SMALLER SHARK BITE AT LEFT VENTRAL PELVIS; THE SEA LION HAD VERY GOOD BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	10	26	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISH HOOK WITH LINE (WIRE) THROUGH JAW SLIGHTLY THIN, LOWER RIGHT GUM SWOLLEN FROM FISH HOOK. REPORT INDICATES A 'RESTRANDED' ANIMAL. TREATED AT REHAB FACILITY AND RELEASED, FINAL OUTCOME TREATED AS SERIOUS INJURY DUE TO LACK OF DETAIL.	SI	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	10	28	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT ANIMAL ENTANGLED IN FISHING LINE. TRANSFERRED TO PUBLIC DISPLAY FACILITY.	CAPTIVITY	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	11	4	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	LARGE FISHING LURE HANGING FROM RIGHT SIDE OF NOSE. REMOVED LURE AND RELEASED ANIMAL IN SITU. GOOD CONDITION OTHERWISE.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	11	5	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	ANIMAL SWALLOWED HOOK / LURE. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	11	6	SHOOTING	MONTEREY	CA	DEAD	PHOTOS OF ENTRY AND EXIT WOUNDS IN HEAD AND BODY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	11	8	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	UNDERWEIGHT ANIMAL WRAPPED IN FISHING LINE. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	11	11	HOOK AND LINE FISHERY	ORANGE	CA	NSI	EMACIATED AND DEHYDRATED WITH FISH HOOK IN LEFT FOREFLIPPER. TRANSFERRED TO PUBLIC DISPLAY FACILITY.	CAPTIVITY	P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	11	13	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT WRAPPED TIGHTLY AROUND JAW. ANIMAL DIED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	11	17	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET LACERATION AROUND NECK. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2015	11	17	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE AROUND NECK. TREATED IN REHAB AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	11	20	SHOOTING	PACIFIC	WA	DEAD	A SINGLE CUT WAS MADE BY UNKNOWN PERSON(S) ALONG ENTIRE DORSAL MIDLINE; CLEAR BULLET/PELLET TRACK WITH CLOTTING ON SPLEEN; OTHER EVIDENCE HOLES AND TRACKS WITH ASSOCIATED HEMORRHAGE IN BODY; ANIMAL HAD EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	11	23	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	YEARLING WITH SINGLE WRAP OF FISHING LINE AROUND NECK. NOT TIGHT, REMOVED. OTHERWISE GOOD CONDITION, UNDERWEIGHT.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	11	24	OIL / TAR	MONTEREY	CA	SI	FOUND IN TUCK POSITION ON BEACH, LETHARGIC AND EMACIATED. TAR PATCH 6 CM X1 CM ON BACK BETWEEN SHOULDER BLADES. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	11	29	MARINE DEBRIS	ORANGE	CA	SI	PLASTIC BAG HANDLE AROUND EMACIATED ANIMAL'S NECK. OUTCOME UNKNOWN, TREATED CONSERVATIVELY AS SERIOUS INJURY BECAUSE OF LOCATION OF ENTANGLEMENT, WITH CAPACITY TO BE CONSTRICTING.	SI	P8A	1	N	Y

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Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2015	11	30	GILLNET FISHERY	LOS ANGELES	CA	SI	GILL NECK INJURY AROUND NECK, UNDERWEIGHT, COUGHING. DIED AT REHAB FACILITY.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2015	12	5	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	HOOK IN LOWER RIGHT CHIN; HOOK IN RIGHT REAR FLIPPER; LOOSE LINE ON ANIMAL AND AROUND TAG; UNDERWEIGHT. TREATED IN REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	12	7	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	CONGESTED; THIN; MULTIPLE HOOKS IN MOUTH WITH SINKER. ANIMAL DIED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	12	8	SHOOTING	SAN DIEGO	CA	SI	ONE ANIMAL DISTURBED DURING RESCUE ON DOCK. ANIMAL WAS DARTED WITH APPROVAL FROM NATIONAL MARINE FISHERIES SERVICE. FISHING LINE STRAPPED AROUND HEAD VERTICALLY. FISHING LINE WRAPPED BEHIND EYES ON SKULL, LEFT EYE BULGING OUT OF SOCKET, POSSIBLY A HOOK CAUGHT IN EYE. ONE BULLET FOUND DURING XRAYS ON 12/9/15 LODGED IN BACK OF THROAT. REMOVED. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2015	12	10	MARINE DEBRIS	MONTEREY	CA	SI	UNDERWEIGHT ANIMAL WITH ENTANGLEMENT SCAR ON NECK DIED IN REHAB.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2015	12	15	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	EMACIATED; ULCERS ON TONGUE AND GUMS; LOST TOOTH LOWER LEFT JAW; HOOK PRESENT ON FRONT LEFT AXILLARY REGION OF LEFT FRONT FLIPPER. TREATED IN REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2015	12	17	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	MONOFILAMENT LINE AROUND NECK. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	12	20	HOOK AND LINE FISHERY	MONTEREY	CA	SI	UNDERWEIGHT ANIMAL WITH FISHING LINE AROUND NECK. TREATED IN REHAB AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	12	21	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	UNDERWEIGHT ANIMAL WITH MONOFILAMENT LINE AROUND NECK. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2015	12	30	HOOK AND LINE FISHERY	ORANGE	CA	SI	TWO FISH HOOKS AND GILLNET AROUND NECK. TREATED AT REHAB AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	1	1	SHOOTING	PIERCE	WA	DEAD	FRESH CARCASS WITH EVIDENCE OF SHOOTING / GUNSHOT.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	1	1	VESSEL STRIKE	PIERCE	WA	DEAD	FRESH DEAD. VESSEL TRAUMA (SHARP AND BLUNT)8 ROUGHLY PARERALL LACERATION/ IMPRESSIONS EXTENDING FOR L SIDE TIP OF NOSE DOWN TO BASE OF TAIL.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	1	14	HOOK AND LINE FISHERY	LOS ANGELES	CA	ALIVE	MALNOURISHED ANIMAL WITH FISHING LINE WOUND AROUND DORSAL REGION. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	1	14	HOOK AND LINE FISHERY	LOS ANGELES	CA	ALIVE	MALNOURISHED ANIMAL WITH SWOLLEN LEFT FLIPPER WHERE FISHING HOOK HAD BEEN LOCATED. EUTHANIZED IN REHAB CENTER.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	1	20	GILLNET FISHERY	LOS ANGELES	CA	ALIVE	MALNOURISHED ANIMAL WITH GILLNET ENTANGLEMENT INJURY AROUND NECK. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	1	28	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	HOOK IN BOTTOM JAW. TAKEN TO REHAB, TREATED AND RELEASED	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	2	1	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	LETHARGIC AND EMACIATED ANIMAL WITH FISHING HOOK AND LINE IN MOUTH. INITIALLY SEEN ALIVE. LATER FOUND DEAD WITH FISHING LINE AROUND NECK.	DEAD	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	2	1	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	ANIMAL WITH CIRCUMFERENTIAL WOUNDS AROUND NECK. TREATED AT REHAB AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	2	3	SHOOTING	SAN LUIS OBISPO	CA	SI	LETHARGIC AND EMACIATED ANIMAL EUTHANIZED IN REHAB. NECROPSY PERFORMED, DETAILS ON LOCATION OF GUNSHOT INJURY NOT GIVEN.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	2	4	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	EMACIATED ANIMAL WITH HOOK IN LEFT LOWER JAW, REMOVED EASILY BY RESCUERS. TREATED AT REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	2	14	HARASSMENT	SAN DIEGO	CA	NSI	SEA LION PUP ON BEACH BEING HARASSED BY PUBLIC, REPORTEDLY BEING TOUCHED AND PINCHED. TAKEN TO REHAB FACILITY, TREATED AND RELEASED.	NSI	P9	0	N	N

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CALIFORNIA SEA LION	U.S.	2016	2	15	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISH HOOK IN RIGHT SIDE OF LOWER LIP. ANIMAL TREATED IN REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	2	15	MARINE DEBRIS	CLATSOP	OR	SI	CIRCUMFERENTIAL, CONSTRICTING WOUND AROUND NECK, POSSIBLY FROM PACKING BAND MATERIAL. NO RESCUE EFFORT INITIATED.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	2	16	MARINE DEBRIS	CLATSOP	OR	SI	CIRCUMFERENTIAL WOUND AROUND NECK FROM UNKNOWN MATERIAL. MATERIAL CUTTING INTO SKIN, SUBDERMAL LAYER EXPOSED. NO RESCUE EFFORT.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	2	16	HOOK AND LINE FISHERY	CLATSOP	OR	SI	CIRCUMFERENTIAL CONSTRICTING WOUND AROUND NECK FROM WHAT APPEARS TO BE SINGLE STRAND OF MONOFILAMENT LINE. NO RESCUE EFFORT.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	2	16	MARINE DEBRIS	CLATSOP	OR	SI	CIRCUMFERENTIAL ENTANGLEMENT AROUND NECK, CONSTRICTING, MATERIAL UNKNOWN. NO RESCUE EFFORT.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	2	16	MARINE DEBRIS	CLATSOP	OR	SI	CIRCUMFERENTIAL ENTANGLEMENT AROUND NECK, CONSTRICTING, MATERIAL UNKNOWN. NO RESCUE EFFORT.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	2	18	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	CIRCUMFERENTIAL WOUND AROUND NECK FROM FISHING LINE. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	2	23	SHOOTING	LINCOLN	OR	DEAD	APPARENT BULLET ENTRY WOUND AT DORSAL INSERSION OF RIGHT FRONT FLIPPER; RADIUS AND ULNA SHATTERED; SURROUNDING TISSUED HEMORRHAGED	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	2	24	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	EMACIATED ANIMAL WITH HOOK IN MOUTH. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	2	24	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	EMACIATED ANIMAL WITH HOOK IN MOUTH. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	2	24	OIL / TAR	SAN LUIS OBISPO	CA	SI	EMACIATED ANIMAL WITH LACERATION NEAR EYE AND OIL / TAR ON BODY. DIED IN REHAB FACILITY.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	2	25	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	SEVERELY EMACIATED. MONOFILAMENT FISHING LINE WRAPPED AROUND FACE AND BEHIND EYES. SEVERE POOR BODY CONDITION RESULTING FROM ENTRAPMENT WITH FISHING TACKLE, AND GASTROESOPHAGEAL WOUNDS ASSOCIATED WITH INGESTED FISHING TACKLE FOREIGN BODIES WAS CONSIDERED TO BE THE PRIMARY CAUSE OF DEATH.	DEAD	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	2	26	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	2	27	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	EMACIATED ANIMAL WITH FISHING HOOK IN CHEEK. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	2	28	HOOK AND LINE FISHERY	ORANGE	CA	SI	MALNOURISHED ANIMAL WITH FISHING LINE IN MOUTH. TREATED AND DIED IN REHAB FACILITY. NECROPSY PERFORMED.	DEAD	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	2	28	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	MALNOURISHED ANIMAL ENTANGLED IN MARINE DEBRIS. ANIMAL EUTHANIZED AT REHAB FACILITY.	DEAD	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	3	7	VEHICLE COLLISION	LOS ANGELES	CA	DEAD	HIT BY CAR.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	3	12	OIL / TAR	MONTEREY	CA	SI	EMACIATED ANIMAL WITH SMALL PATCH OF TAR ON ABDOMEN TAKEN INTO REHAB FACILITY, TREATED AND RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2016	3	13	MARINE DEBRIS	VENTURA	CA	SI	ANIMAL DISENTANGLED FROM EITHER MARINE DEBRIS OR FISHING GEAR. ENTANGLING MATERIAL WAS NOT DESCRIBED BY RESPONDERS.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	3	15	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	MALNOURISHED ANIMAL WITH FISHING LINE ENTANGLEMENT SCAR AROUND NECK. ANIMAL DIED IN REHAB FACILITY.	DEAD	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	3	16	SHOOTING	NA	OR	DEAD	SEVERAL SUSPICIOUS HOLES & HEMORRHAGE IN THE BODY; SKULL TOTALLY EXPOSED; KIDNEYS & LUNGS ABNORMAL; A SUBSTANTIAL AMOUNT OF CLOUDY, PINK-TINGED FLUID IN THORACIC CAVITY; THE ANIMAL HAD GOOD BODY CONDITION.	DEAD	NA	1	N	Y

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CALIFORNIA SEA LION	U.S.	2016	3	17	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	MALNOURISHED PUP WITH FISHING LINE IN MOUTH THAT WRAPS AROUND BODY AND FLIPPER WITH ONE HOOK IN FLIPPER AND TWO HOOKS IN MOUTH. HOOKS AND LINE REMOVED IN REHAB FACILITY, ANIMAL RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	3	19	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN LOWER JAW AND LIP OF MALNOURISHED ANIMAL. DIED IN REHAB FACILITY.	DEAD	P5B	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	3	23	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	ANIMAL WITH GOOD BODY CONDITION WITH HOOK IN MOUTH, TREATED IN REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	3	24	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	HOOK IN LEFT FRONT FLIPPER, REMOVED AT REHAB FACILITY.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	3	27	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	3 HOOKS ON FLIPPERS, OIL/TAR PATCH ON EMACIATED ANIMAL. DIED IN REHAB.	DEAD	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	3	27	MARINE DEBRIS	SANTA CRUZ	CA	SI	EMACIATED ANIMAL WITH PLASTIC IN ITS STOMACH. DIED IN REHAB FACILITY.	DEAD	P1	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	3	28	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISHING HOOK ON RIGHT SIDE OF FACE NEAR EYE, EMACIATED ANIMAL. TREATED IN REHAB AND RELEASED.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	3	28	SHOOTING	NA	OR	DEAD	ENTRANCE/EXIT HOLES WITH ASSOCIATED BONE DAMAGE, HEMORRHAGE, AND BLOOD CLOTTING; HEMORRHAGE ALSO IN OTHER AREAS OF BODY AND JUST ANTERIOR TO HEART; INTESTINES TIGHTLY TWISTED; THE SEA LION HAD EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	3	31	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	HOOK REMOVED FROM MOUTH AND ANIMAL RELEASED ON THE BEACH. NO INFORMATION ON CONDITION OF ANIMAL.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	4	1	MARINE DEBRIS	LOS ANGELES	CA	SI	ANIMAL WITH WOUND AROUND NECK FROM UNKNOWN CAUSE. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	4	2	HOOK AND LINE FISHERY	MONTEREY	CA	SI	ANIMAL WITH FISHING LINE WRAPPED AROUND NECK, DIED IN REHAB.	DEAD	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	4	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 4 (ODFW SUMMARY): ONE OF TEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	4	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 4 (ODFW SUMMARY): ONE OF TEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	4	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 4 (ODFW SUMMARY): ONE OF TEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	4	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 4 (ODFW SUMMARY): ONE OF TEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	4	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 4 (ODFW SUMMARY): ONE OF TEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	4	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 4 (ODFW SUMMARY): ONE OF TEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y



Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2016	4	4	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 4 (ODFW SUMMARY): ONE OF TEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	4	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 4 (ODFW SUMMARY): ONE OF TEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	4	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 4 (ODFW SUMMARY): ONE OF TEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	4	HOOK AND LINE FISHERY	ORANGE	CA	SI	EMACIATED ANIMAL WITH FISH HOOKS IN HEAD AND FLIPPERS, DIED IN REHAB.	DEAD	P5B	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	4	SHOOTING	NA	OR	DEAD	OCCIPITAL BROKEN WITH ASSOCIATED HEMORRHAGE; TRACKS AND VARIOUS AREAS OF EXTENSIVE HEMORRHAGE IN BODY; SOME ORGANS HEMORRHAGED; THE ANIMAL HAD EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	4	SHOOTING	PACIFIC	WA	DEAD	TRACKS WITH ASSOCIATED HOLES AND HEMORRHAGE IN BODY; TWO BROKEN RIBS; ABDOMINAL CAVITY FILLED WITH BLOODY FLUID; LIVER LOBE RUPTURED WITH CLOTTING; INTESTINES TWISTED; THE ANIMAL HAD EXCELLENT BODY CONDITION	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	5	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	UNDERWEIGHT ANIMAL WITH HOOK IN FLIPPER. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	4	6	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISHING LINE GOING DOWN THROAT. DIED IN REHAB.	DEAD	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	6	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT ANIMAL WITH FISHING LINE GOING DOWN THROAT, SUSPECTED INGESTED FISH HOOK. OUTCOME UNKNOWN.	SI	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	11	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 11 (ODFW SUMMARY): ONE OF SIX CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	11	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 11 (ODFW SUMMARY): ONE OF SIX CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	11	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 11 (ODFW SUMMARY): ONE OF SIX CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	11	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 11 (ODFW SUMMARY): ONE OF SIX CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	11	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 11 (ODFW SUMMARY): ONE OF SIX CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	11	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 11 (ODFW SUMMARY): ONE OF SIX CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	12	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	MALNOURISHED ANIMAL WITH MONOFILAMENT AROUND HEAD TREATED IN REHAB AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	4	12	OIL / TAR	SAN DIEGO	CA	SI	ANIMAL WITH OIL / TAR ON VARIOUS BODY PARTS FOUND IN GARAGE. TREATED AT REHAB AND RELEASED.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2016	4	13	MARINE DEBRIS	MONTEREY	CA	SI	EMACIATED ANIMAL WITH GLASS FOUND IN STOMACH. EUTHANIZED IN REHAB FACILITY.	DEAD	P2	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
									CIRCUMFERENTIAL ENTANGLEMENT AROUND NECK,					
CALIFORNIA SEA LION	U.S.	2016	4	15	MARINE DEBRIS	CLALLAM	OR	SI	CONSTRUCTING, MATERIAL UNKNOWN. NO RESCUE EFFORT.	SI	P8A	1	N	Y
									WEEK OF APRIL 18 (ODFW SUMMARY): ONE OF THIRTEEN					
CALIFORNIA SEA LION	U.S.	2016	4	18	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
									WEEK OF APRIL 18 (ODFW SUMMARY): ONE OF THIRTEEN					
CALIFORNIA SEA LION	U.S.	2016	4	18	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
									WEEK OF APRIL 18 (ODFW SUMMARY): ONE OF THIRTEEN					
CALIFORNIA SEA LION	U.S.	2016	4	18	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
									WEEK OF APRIL 18 (ODFW SUMMARY): ONE OF THIRTEEN					
CALIFORNIA SEA LION	U.S.	2016	4	18	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
									WEEK OF APRIL 18 (ODFW SUMMARY): ONE OF THIRTEEN					
CALIFORNIA SEA LION	U.S.	2016	4	18	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
									WEEK OF APRIL 18 (ODFW SUMMARY): ONE OF THIRTEEN					
CALIFORNIA SEA LION	U.S.	2016	4	18	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
									WEEK OF APRIL 18 (ODFW SUMMARY): ONE OF THIRTEEN					
CALIFORNIA SEA LION	U.S.	2016	4	18	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
									WEEK OF APRIL 18 (ODFW SUMMARY): ONE OF THIRTEEN					
CALIFORNIA SEA LION	U.S.	2016	4	18	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
									WEEK OF APRIL 18 (ODFW SUMMARY): ONE OF THIRTEEN					
CALIFORNIA SEA LION	U.S.	2016	4	18	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
									WEEK OF APRIL 18 (ODFW SUMMARY): ONE OF THIRTEEN					
CALIFORNIA SEA LION	U.S.	2016	4	18	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
									WEEK OF APRIL 18 (ODFW SUMMARY): ONE OF THIRTEEN					
CALIFORNIA SEA LION	U.S.	2016	4	18	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
									WEEK OF APRIL 18 (ODFW SUMMARY): ONE OF THIRTEEN					
CALIFORNIA SEA LION	U.S.	2016	4	18	SHOOTING	CLATSOP	OR	DEAD	TREMENDOUS AND EXTENSIVE HEMORRHAGE IN BODY, ESP. AT NECK AND SCAPULAE AREAS; PERICARDIUM AND MEDIAL LUNGS HEMORRHAGED; INTESTINES TWISTED; ABDOMINAL CAVITY MODERATELY FILLED WITH BLOODY FLUID	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2016	4	23	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 23 (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	23	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 23 (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	23	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 23 (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	23	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 23 (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	23	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 23 (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	23	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 23 (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	23	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 23 (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	23	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF APRIL 23 (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	24	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	MALNOURISHED ANIMAL WITH FISHING ENTANGLEMENT, HOOK IN NOSTRIL; BACK AND CHEST HAVE HOOKS WITH FLIES AND SINKER. TREATED AND RELEASED FROM REHAB.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	4	24	SHOOTING	SAN LUIS OBISPO	CA	SI	ANIMAL EUTHANIZED IN REHAB. NECROPSY SHOWED EVIDENCE OF SHOOTING.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	28	HOOK AND LINE FISHERY	SAN MATEO	CA	SI	MODERATELY UNDERWEIGHT, SINGLE MONOFILAMENT LINE AROUND NECK, TISSUE HEALING AROUND LINE, TRAUMA TO RIGHT REAR FLIPPER WITH BONE EXPOSED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	4	30	MARINE DEBRIS	CLALLAM	OR	SI	TREATED AND RELEASED FROM REHAB FACILITY. CIRCUMFERENTIAL ENTANGLEMENT AROUND NECK,	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	30	MARINE DEBRIS	CLALLAM	OR	SI	CONSTRUCTING, MATERIAL UNKNOWN. NO RESCUE EFFORT. CIRCUMFERENTIAL ENTANGLEMENT AROUND NECK,	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	4	30	SHOOTING	PACIFIC	WA	DEAD	EVIDENCE OF HOLES WITH ASSOCIATED TRACKS, CLOTTING, AND HEMORRHAGE; ADDITIONAL HEMORRHAGE IN VARIOUS AREAS OF THE BODY; INTESTINES TWISTED; THE ANIMAL HAD EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	2	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 2ND (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2016	5	2	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 2ND (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	2	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 2ND (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	2	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 2ND (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	2	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 2ND (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	2	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 2ND (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	2	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 2ND (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	2	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 2ND (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	2	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 2ND (ODFW SUMMARY): ONE OF NINE CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	4	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISHING LINE 'IN' MUZZLE AND LEFT FOREFLIPPER , TREATED AT REHAB FACILITY AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	5	4	SHOOTING	ORANGE	CA	SI	PELLET REMOVED FROM HEAD DURING NECROPSY.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	7	MARINE DEBRIS	LOS ANGELES	CA	SI	GASTRIC DILATION DUE TO INGESTION OF LATEX GLOVES. DIED IN REHAB, NECROPSIED.	DEAD	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	9	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 9TH (ODFW SUMMARY): ONE OF SEVEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	9	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 9TH (ODFW SUMMARY): ONE OF SEVEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	9	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 9TH (ODFW SUMMARY): ONE OF SEVEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	9	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 9TH (ODFW SUMMARY): ONE OF SEVEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	9	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 9TH (ODFW SUMMARY): ONE OF SEVEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	9	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 9TH (ODFW SUMMARY): ONE OF SEVEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y

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Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2016	5	9	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	WEEK OF MAY 9TH (ODFW SUMMARY): ONE OF SEVEN CA SEA LIONS TARGETED FOR REMOVAL THAT WERE TRAPPED AND EUTHANIZED UNDER MMPA SECTION 120.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	9	SHOOTING	TILLAMOOK	OR	DEAD	SUSPICIOUS GASHES AND HOLES W/ASSOCIATED TRACKS, CLOTTING, AND/OR HEMORRHAGE; ADDITIONAL EXTENSIVE HEMORRHAGE IN VARIOUS AREAS OF BODY; ORGANS HEMORRHAGED; THREE BROKEN RIBS; INTESTINES TWISTED; THE ANIMAL HAD EXCELLENT BODY CONDITION	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	13	MARINE DEBRIS	SAN DIEGO	CA	SI	ANIMAL HAD INGESTED A SOCK AND PLASTIC PARTS. EUTHANIZED IN REHAB FACILITY.	DEAD	P2	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	14	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	ANIMAL WITH GOOD BODY WEIGHT RESCUED BECAUSE OF MONOFILAMENT LINE AROUND NECK. ALSO HAD A HOOK IN CHEST. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	5	14	SHOOTING	MENDOCINO	CA	SI	RADIOGRAPHS OF EUTHANIZED ANIMAL SHOWED EVIDENCE OF METALLIC FRAGMENTS.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	15	SHOOTING	SANTA CRUZ	CA	DEAD	STRANDED ANIMAL WITH DORSAL GUNSHOT ENTRY WOUND AND VENTRAL EXIT WOUND.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	16	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISHING LINE, HOOK AND LURE ENTANGLED AROUND REAR FLIPPERS OF EMACIATED ANIMAL. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	5	17	SHOOTING	SANTA CRUZ	CA	DEAD	MARINE MAMMAL CENTER RESPONDED AND SEA LION WAS DECEASED WHEN THEY ARRIVED TO THE BEACH. WAS OBSERVED HAVING TROUBLE BREATHING, HEAD THRUSTS AND POSSIBLE SEIZURES. FOUND SMALL CALIBER BULLET RESTING AGAINST OPPOSITE KIDNEY WHICH HAD HEMORRHAGE. GUNSHOT CAUSE OF DEATH.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	19	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	MALNOURISHED SEIZURING ANIMAL WITH FISH HOOKS IN FRONT AND REAR FLIPPERS AND EARS. ANIMAL DIED IN REHAB FACILITY.	DEAD	P5B	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	20	GILLNET FISHERY	ORANGE	CA	SI	GILLNET WOUND AROUND NECK, TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2016	5	23	SHOOTING	SAN LUIS OBISPO	CA	SI	GOOD BODY CONDITION, SUPERFICIAL LACERATIONS NEAR HEAD AND LEFT SIDE, ALERT BUT NOT ACTIVE, OBSERVED OVERNIGHT AND FOUND IN THE SAME LOCATION NEXT DAY. RADIOGRAPHS SHOWED BUCKSHOT SCATTERED THROUGHOUT CERVICAL REGION. ANIMAL TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P9	0	N	N
CALIFORNIA SEA LION	U.S.	2016	5	23	SHOOTING	CLATSOP	OR	DEAD	EVIDENCE OF HOLES AND TRACKING WOUNDS WITH ASSOCIATED HEMORRHAGE IN BODY; OTHER AREAS OF HEMORRHAGE/DAMAGE IN BODY/ORGANS; THORACIC CAVITY FILLED WITH BLOODY FLUID; SEA LION HAD EXCELLENT BODY CONDITION	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	5	26	HOOK AND LINE FISHERY	MONTEREY	CA	SI	DARTING CAPTURE, MONOFILAMENT ENTANGLEMENT AROUND NECK, MILDLY UNDERWEIGHT. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	5	27	MARINE DEBRIS	MONTEREY	CA	SI	TWINE AROUND NECK, TREATED AT REHAB AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	5	31	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE JUST IN FRONT OF SHOULDER BLADE JOINT. LACERATION APPROXIMATELY 3/4 WAY AROUND BODY WHERE LINE WAS. TREATED AT REHAB AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	5	31	SHOOTING	NA	OR	DEAD	SUSPICIOUS HOLES W/ASSOC. HEMORRHAGE; POSSIBLE EVIDENCE TRACK ASSOC. W/BLACKENED BLUBBER; THORACIC CAVITY FILLED WITH CLOUDY, PINK-TINGED FLUID; ODD HOLE W/GELATINOUS TISSUE IN LUNG; THORACIC L.N.'S ABNORMAL; KIDNEY DAMAGED AND HEMORRHAGIC	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2016	6	2	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2016	6	4	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING HOOK CAUGHT IN LOWER LEFT LIP WITH ~70 CENTIMETER FISHING LINE AND 8 OUNCE WEIGHT STILL ATTACHED. AREA OUTSIDE OF THE MOUTH AROUND HOOK IS SWOLLEN; INSIDE THE MOUTH IS BLEEDING FROM HOOK WOUND. THIN WITH HIPS AND SPINE VISIBLE. GOOD HYDRATION/WETNESS AROUND THE EYES. ALERT AND ACTIVE. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	6	5	HOOK AND LINE FISHERY	MARIN	CA	SI	RESTRAND. MODERATELY UNDERWEIGHT, HEAD WEAVING, DISORIENTED. FULL CIRCUMFERENCE CERVICAL SCAR FROM PREVIOUS MONOFILAMENT ENTANGLEMENT. TAGGED ON BOTH FLIPPERS DURING PREVIOUS STRAND BECAUSE OF ENTANGLEMENT. EUTHANIZED IN REHAB FACILITY.	DEAD	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	6	14	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	EMBEDDED MONOFILAMENT LINE NEAR EAR. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	6	15	HOOK AND LINE FISHERY	MONTEREY	CA	SI	EMACIATED ANIMAL, FISH HOOKS IN MOUTH. ANIMAL DIED IN REHAB FACILITY.	DEAD	P5A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	6	15	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING HOOK IN PECTORAL RIGHT FLIPPER WITH LINE WRAPPED AROUND. OTHERWISE GOOD BODY CONDITION.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	6	15	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2016	6	16	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	EMACIATED ANIMAL WITH MONOFILAMENT ENTANGLEMENT AROUND NECK. DIED IN REHAB FACILITY.	DEAD	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	6	17	GILLNET FISHERY	SAN DIEGO	CA	SI	GOOD BODY CONDITION. ENTANGLED WITH GILL NET AROUND NECK CAUSING LARGE OPEN GASHES. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2016	6	19	MARINE DEBRIS	CLALLAM	OR	SI	CIRCUMFERENTIAL ENTANGLEMENT AROUND NECK, CONSTRICTING, MATERIAL UNKNOWN. NO RESCUE EFFORT.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	6	22	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISH HOOK ON LOWER LEFT LIP/MOUTH AREA. HOOK REMOVED AND ANIMAL RELEASED ON SITE. NO INFORMATION ON BODY CONDITION.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	6	22	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISH HOOK ON LEFT FRONT FLIPPER. HOOK REMOVED AND ANIMAL RELEASED ON SITE.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	6	22	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISH HOOK ON RIGHT FRONT FLIPPER. FISH HOOK WAS REMOVED AND ANIMAL WAS RELEASED ON SITE	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	7	2	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	MONOFILAMENT LINE WRAPPED AROUND ANIMAL'S NECK. ANIMAL GOOD WEIGHT, ACTIVE, ALERT. DIED IN REHAB FACILITY.	DEAD	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	7	4	MARINE DEBRIS	LOS ANGELES	CA	SI	EMACIATED ANIMAL WITH CIRCUMFERENTIAL ENTANGLEMENT WOUND AROUND NECK; DIED IN REHAB FACILITY. ENTANGLING MATERIAL NOT KNOWN.	DEAD	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	7	4	SHOOTING	MONTEREY	CA	SI	MODERATELY UNDERWEIGHT ANIMAL WITH DISPLACED JAW. EUTHANIZED IN REHAB FACILITY. BULLET FOUND IN NECK UPON NECROPSY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	7	17	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	ANIMAL CAUGHT AT BEACH, REMOVED THREE HOOKS FROM NECK, MOUTH AND BOTTOM OF LEFT FRONT FLIPPER. ANIMAL RELEASED AT SITE.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	7	24	SHOOTING	NA	OR	DEAD	BULLET/PELLET ENTRANCE HOLE IN SKULL; VARIOUS AREAS OF HEMORRHAGE IN BODY; TWO APPROXIMATELY 9 CM DIAMETER HOLES FILLED WITH SAND IN BODY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	7	27	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	7	28	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

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CALIFORNIA SEA LION	U.S.	2016	7	28	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	7	29	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	SUPERFICIAL ENTRY OF FISHING HOOK WITH LURE ON STOMACH. GOOD BODY CONDITION AND ATTITUDE. REMOVED HOOK AND RELEASED ON SITE.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	7	30	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISHING LINE AROUND NECK, SMALL WOUNDS REAR FLIPPERS. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	7	31	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	LARGE FISH HOOK THROUGH RIGHT FRONT FLIPPER. REMOVED HOOK AND RELEASED ON SITE. GOOD BODY CONDITION.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	8	1	SHOOTING	LOS ANGELES	CA	SI	FISHING ENTANGLEMENT AROUND HEAD; LIMITED RANGE OF MOTION IN JAW; 2 SHOTGUN PELLETS BETWEEN SHOULDERS. EUTHANIZED AT REHAB FACILITY.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	8	2	VESSEL STRIKE	SAN DIEGO	CA	SI	TRAUMA TO LEFT FRONT FLIPPER. APPROXIMATELY HALF OF THE TIP OF THE FLIPPER HAD BEEN SLICED OFF WITH BONE EXPOSED. DEHYDRATED, MILD TREMORS. SUSPECTED PROPELLER WOUND. ANIMAL EUTHANIZED IN REHAB FACILITY.	DEAD	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	8	8	GILLNET FISHERY	VENTURA	CA	DEAD	ENTANGLED IN GILLNET AROUND NECK.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	8	24	SHOOTING	CLATSOP	OR	DEAD	BLOOD CLOTTING, EXTENSIVE HEMORRHAGE, AND SUSPICIOUS HOLES IN NECK; HEMORRHAGE IN HEAD AND BODY; URINE BLOODY; THE ANIMAL HAD GOOD BODY CONDITION	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	8	24	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	8	28	MARINE DEBRIS	LINCOLN	OR	SI	PACKING BAND CUTTING DEEPLY INTO NECK OF ANIMAL.	SI	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	9	1	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE AROUND NECK, RIGHT ABOVE SHOULDERS. EMBEDDED WITH PUS AND LACERATIONS. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	9	11	VESSEL STRIKE	ORANGE	CA	SI	ANIMAL HAS PROP STRIKES ACROSS MID SECTION. JUMPED INTO HARBOR PATROL BOAT AND ALLOWED TEAM TO NET WITH NO FIGHTING. WALKED INTO CAGE. PREVIOUSLY RELEASED TWICE BY PMMC. ON 7/21/16 AT CHANNEL ISLANDS AT 137.8 POUNDS. LOST 27.8 POUNDS IN 52 DAYS. TRANSFERRED TO PUBLIC DISPLAY FACILITY.	CAPTIVITY	P9	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	9	12	MARINE DEBRIS	MONTEREY	CA	SI	MILDLY UNDERWEIGHT ANIMAL WITH ENTANGLEMENT AROUND NECK TAKEN INTO REHAB, TREATED AND RELEASED. NO INFORMATION ON ENTANGLING MATERIAL.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	9	12	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	MONOFILAMENT LINE PREVIOUSLY AROUND NECK. UPON RESCUE, LINE WAS WRAPPED AROUND FLIPPER TAG. RELEASED ON SITE.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	9	12	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	9	13	GILLNET FISHERY	SAN DIEGO	CA	SI	GILL NET EMBEDDED/ENTANGLED AROUND NECK. GOOD WEIGHT, ACTIVE, ALERT, VOCAL. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2016	9	14	HOOK AND LINE FISHERY	MONTEREY	CA	SI	MONOFILAMENT AROUND NECK DEEP ENOUGH TO EXPOSE MUSCLE. TREATED AT REHAB AND RELEASED.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	9	20	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	9	21	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT, FISH HOOK IN MOUTH RELEASED FROM PMMC ON 9/01/16 LOST 16.8 POUNDS IN 21 DAYS. ALTHOUGH ANIMAL WAS RELEASED FROM REHAB, WEIGHT LOSS WHILE IN REHAB CASTS DOUBT ON ABILITY OF ANIMAL TO SURVIVE POST-RELEASE.	SI	P5C	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2016	9	24	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	TWO INCH THREE HOOK FISHING LURE EMBEDDED IN THE TOP AND BOTTOM LIP OF THE OF THE ANIMAL MAKING HIM UNABLE TO OPEN HIS MOUTH. GOOD BODY CONDITION. ANIMAL WAS DE-HOOKED AND RELEASED ON SITE UNDER THE SUPERVISION OF A VETERINARIAN.	NSI	P5C	0	N	N
CALIFORNIA SEA LION	U.S.	2016	10	2	SHOOTING	PACIFIC	OR	DEAD	EVIDENCE COLLECTED TO ENFORCEMENT, CLEAR EVIDENCE HOLE WITH TRACK, BONE DAMAGE, AND AREAS OF HEMORRHAGE IN HEAD AND/OR BODY	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	10	8	SHOOTING	SANTA CRUZ	CA	SI	BUCKSHOT IN HIS MUZZLE AND FACE AND A BULLET LODGED IN HIS LEFT SHOULDER, EMACIATED. HARASSED BY PEOPLE ON THE BEACH, PETTING. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	10	12	MS CATCHER VESSELS MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	10	18	SHOOTING	CLATSOP	OR	DEAD	CLEAR EVIDENCE HOLE IN OCCIPITAL BONE, VARIOUS AREAS OF HEMORRHAGE AND SUSPICIOUS HOLES IN ANIMAL, INCLUDING ABDOMEN	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	10	24	MARINE DEBRIS	SAN DIEGO	CA	SI	ACTIVE ANIMAL WITH GOOD BODY CONDITION HAD A PAIR OF SWIM GOGGLES AROUND MIDSECTION OF BODY. GOGGLES REMOVED AND ANIMAL RELEASED ON SITE.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	10	26	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	ANIMAL THAT HAD STRANDED MULTIPLE TIMES WITH FISH HOOK IN LEFT SIDE OF MOUTH AND IN LEFT REAR FLIPPER. VERY THIN BODY. TREATED AT REHAB FACILITY, BUT NO NOTES ON OUTCOME. TREATED AS SERIOUS INJURY, BASED ON MULTIPLE STRANDINGS AND BODY CONDITION.	SI	P5C	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	10	27	MS CATCHER VESSELS MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	10	28	VESSEL STRIKE	MARIN	CA	SI	EMACIATED. BLUNT FORCE TRAUMA TO PELVIS DUE TO BOAT STRIKE. EUTHANIZED IN REHAB FACILITY.	DEAD	P15	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	10	28	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2016	10	28	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	10	29	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	ANIMAL CAPTURED IN NET. RELEASED ALIVE AFTER BEING BROUGHT ON BOARD.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2016	10	29	MS CATCHER VESSELS MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	10	31	MARINE DEBRIS	MONTEREY	CA	SI	EMACIATED, ENTANGLEMENT CUTTING IN AROUND SHOULDERS. EUTHANIZED IN REHAB FACILITY. INITIALLY IDENTIFIED AS FISHERY INTERACTION, BUT TYPE OF ENTANGLING MATERIAL WAS NOT IDENTIFIED.	DEAD	P8A	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	11	3	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	5	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	6	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2016	11	6	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2016	11	6	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2016	11	6	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	7	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	7	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	7	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y



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CALIFORNIA SEA LION	U.S.	2016	11	8	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	8	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	9	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	10	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	10	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	10	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	10	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2016	11	10	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2016	11	10	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	10	CATCHER PROCESSOR MIDWATER TRAWL	NA	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	10	CATCHER PROCESSOR MIDWATER TRAWL	NA	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	10	CATCHER PROCESSOR MIDWATER TRAWL	NA	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	12	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	12	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	12	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	12	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	12	CATCHER PROCESSOR MIDWATER TRAWL	NA	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	13	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	13	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	13	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	13	CATCHER PROCESSOR MIDWATER TRAWL	NA	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	14	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	14	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	14	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	14	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	14	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	14	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	15	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	15	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	15	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	15	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
CALIFORNIA SEA LION	U.S.	2016	11	15	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	15	CATCHER PROCESSOR MIDWATER TRAWL	NA	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	16	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	16	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	16	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	16	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	16	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2016	11	17	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	17	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	17	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	17	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	17	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	18	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	18	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	18	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
CALIFORNIA SEA LION	U.S.	2016	11	18	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
CALIFORNIA SEA LION	U.S.	2016	12	3	GILLNET FISHERY	SAN DIEGO	CA	SI	GILL NET DEEPLY EMBEDDED AROUND NECK. BODY CONDITION GOOD, HYDRATION LEVEL GOOD. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P7B	0	Y	N
CALIFORNIA SEA LION	U.S.	2016	12	4	SHOOTING	CLATSOP	OR	DEAD	EVIDENCE HOLE AND FRACTURES IN SKULL W/ASSOC. HEMORRHAGE, AS WELL AS PALATE, SNOUT, AND TOOTH DAMAGE	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	12	12	SHOOTING	CLATSOP	OR	DEAD	SUSPICIOUS 1-CM DIA. HOLE THROUGH SKIN AT DORSAL SNOUT, WITH SNOUT SHATTERED; SIMILAR HOLE AT MANDIBLE; DEEP HEMORRHAGE IN VARIOUS AREAS OF BODY	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	12	14	SHOOTING	CLATSOP	OR	DEAD	SNOUT SHATTERED AND ADDITIONAL MANDIBULAR DAMAGE; SOME HEMORRHAGE IN BODY; THE SEA LION HAD EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
CALIFORNIA SEA LION	U.S.	2016	12	18	CATCH SHARES BOTTOM TRAWL UNIDENTIFIED HUMAN INTERACTION	OFFSHORE	WA	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P7B	0	N	N
CALIFORNIA SEA LION	U.S.	2016	12	28	CATCH SHARES BOTTOM TRAWL UNIDENTIFIED HUMAN INTERACTION	KING	WA	DEAD	CARCASS FOUND WITH ROPE AROUND IT.	DEAD	NA	1	N	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2012	3	12	GILLNET FISHERY	LOS ANGELES	CA	DEAD	FLUKES CUTOFF; CUT MADE 34 CM BEHIND ANAL OPENING.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2012	4	6	HOOK AND LINE FISHERY UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI	LIVE ANIMAL ON BEACH, TAKEN TO SEA WORLD, DIED IN REHAB. FISHING LINE WRAPPED AROUND RIGHT FLUKE. SIGNIFICANT DAMAGE TO FLUKE.; CAUSE OF DEATH: LACERATION OF ARTERY IN TAIL FLUKE; SEVERE CHRONIC AND ACTIVE LINE INJURY WITH VASCULAR LACERATION AND EXSANGUINATION. MILD PERIportal HEPATITIS.	DEAD	S8A	1	N	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2012	7	30	HOOK AND LINE FISHERY UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	LINE MARKS AROUND ROSTRUM/MOUTH	DEAD	NA	1	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2012	8	9	HOOK AND LINE FISHERY	VENTURA	CA	DEAD	FISHING LINE AROUND FLUKES	DEAD	NA	1	N	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2012	8	10	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	LINE WRAPPED AROUND PEDUNCLE AND TAIL	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2012	8	11	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	3RD STRANDING IN THIS AREA IN 3 DAYS. NO DETAILS GIVEN.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2012	12	17	GILLNET FISHERY	SAN DIEGO	CA	DEAD	SEVERED FLUKES.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	2	15	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	DEAD	ANIMAL ENTANGLED IN MONOFILAMENT LINE.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	3	3	UNIDENTIFIED HUMAN INTERACTION	LOS ANGELES	CA	DEAD	ANIMAL CUT IN HALF.	DEAD	NA	1	N	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	3	13	GILLNET FISHERY	VENTURA	CA	DEAD	LEFT FLUKE CLEANLY CUT OFF.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	3	15	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	DEAD	ANIMAL SIGHTED 3/11/13, REPORTED TO MLML STRANDING NETWORK ON 3/14, EXAMINED 3/14. INITIAL PHOTOS SHOWED FISHING GEAR ENTANGLEMENT, WHICH WAS GONE BY THE DAY WE EXAMINED THE ANIMAL, EXCEPT FOR SOME MONOFILAMENT FOUND UNDER SAND NEAR DORSAL FIN.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	3	18	HOOK AND LINE FISHERY	SAN DIEGO	CA	DEAD	DOLPHIN WAS EMACIATED AND HAD CURVATURE IN CAUDAL PEDUNCLE. MANY LESIONS AND LACERATIONS PRESENT. LACERATIONS CAUSED BY FISHING GEAR THAT APPEARS TO BE RECREATIONAL MONOFILAMENT LINE LOCATED AROUND ROSTRUM LEADING IN MANDIBLE, EMBEDDED IN MELON, EMBEDDED VENTRAL SIDE OF THE LEFT PECTORAL FIN, AND WRAPPED AROUND FLUKE WITH WHAT APPEARS TO BE ABSCESS AND HEALED SKIN GROWING OVER LINE.	DEAD	NA	1	N	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	4	21	VESSEL STRIKE	LOS ANGELES	CA	DEAD	SMALL BOAT COLLISION: 4 PARALLEL PROPELLER SCARS ON THE POSTERIOR PART OF ANIMAL ALONG THE RIGHT SIDE.	DEAD	NA	1	N	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	5	10	GILLNET FISHERY	UNKNOWN	CA	DEAD	FLUKE CUT OFF, NET MARKS ON ANIMAL.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	5	10	GILLNET FISHERY	VENTURA	CA	DEAD	CALL RECEIVED OF DEAD DOLPHIN MISSING TAIL. CIMWI VOLUNTEER FOUND FRESH DEAD DOLPHIN WITH TAIL/FLUKE CLEARLY SEVERED.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	7	9	GILLNET FISHERY	SAN DIEGO	CA	DEAD	APPEARS TO HAVE BEEN A CHRONIC ENTANGLEMENT BASED ON THE DEPTH OF WOUNDS CAUSED BY MONOFILAMENT (DOWN TO BONE ON ROSTRUM) AND EMACIATION LIKELY DUE TO FULL WRAP OF ROSTRUM. MONOFILAMENT AND HOOK ATTACHED TO ANIMAL AS WELL AS GILLNET FOUND NEXT TO ANIMAL.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	10	22	SCIENTIFIC RESEARCH	SAN DIEGO	CA	DEAD	FRESHLY DEAD ANIMAL RECOVERED FROM FISH RESEARCHER WHO FOUND CARCASS WRAPPED IN 4" STRETCH MESH MONOFILAMENT GILLNET USED FOR WHITE SEA BASS ASSESSMENTS.	DEAD	NA	1	N	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2014	6	1	UNIDENTIFIED NET FISHERY	SAN DIEGO	CA	DEAD	SEVERAL IMPRESSIONS AND LACERATIONS INDICATIVE OF ENTANGLEMENT NOTED DURING NECROPSY. ALSO EVIDENCE OF PAST ENTANGLEMENT (HEALED SCARS).	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2014	6	11	UNIDENTIFIED NET FISHERY	SAN DIEGO	CA	DEAD	FLUKES SEVERED, CONSISTENT WITH OTHER CASES OF NET ENTANGLED ANIMALS THAT HAVE BODY PARTS CUT OFF TO FACILITATE REMOVAL FROM A NET	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2014	7	1	UNIDENTIFIED NET FISHERY	VENTURA	CA	DEAD	FRESHLY DEAD DOLPHIN WITH SEVERED FLUKES AND NET/ROPE MARKS.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2014	9	11	UNIDENTIFIED FISHERY INTERACTION	SAN LUIS OBISPO	CA	DEAD	FRESH DEAD, CAUSE OF DEATH LISTED AS DECOMPRESSION OR 'THE BENDS', CONSISTENT WITH DROWNING. NO EXTERNAL INJURIES.	DEAD	NA	1	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2015	3	14	HOOK AND LINE FISHERY	SAN DIEGO	CA	DEAD	ANIMAL WAS EMACIATED WITH HOOK LODGED IN LEFT GAPE ATTACHED TO A RED MULTIFILAMENT LINE WITH LEAD WEIGHT. MULTIFILAMENT LINE WRAPPED THROUGH AXILLARY REGION OF BOTH PECTORAL FINS, AROUND DORSAL FIN, PEDUNCLE AND THROUGH THE MOUTH.	DEAD	NA	1	N	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2015	7	12	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	RIGHT FLUKE CLEANLY CUT OFF.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2015	7	13	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	PEDUNCLE AND FLUKES CLEANLY CUT OFF.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2015	8	8	GILLNET FISHERY	SAN DIEGO	CA	DEAD	MULTIPLE LINEAR IMPRESSIONS ACROSS ENTIRE BODY INDICATES EXTENSIVE ENTANGLEMENT. DORSAL FIN AND FLUKES HAD BEEN REMOVED.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2015	8	24	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	DEAD	FLUKES ARE ABSENT, IMPRESSIONS/NICKS ON DORSAL PEDUNCLE, AND LINEAR IMPRESSIONS DORSALLY AT AXILLA SUGGEST FISHERY INTERACTION. SPECIES ID PER GENETICS.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CA-OR-WA	2015	11	27	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CA-OR-WA	2016	2	16	GILLNET FISHERY	SAN DIEGO	CA	DEAD	DEEP LACERATIONS WERE FOUND ON RIGHT AND LEFT PECTORAL FIN INSERTIONS. SUPERFICIAL LACERATIONS (EXPOSING BLUBBER BUT NOT MUSCLE) AND IMPRESSIONS WERE FOUND CIRCUMVENTING THE HEAD AND CRIS-CROSS ON THE VENTRUM BETWEEN THE PECTORAL FINS. ADDITIONAL IMPRESSIONS WERE FOUND ANTERIOR TO THE DORSAL FIN CIRCUMVENTING CAUDALLY. NO GEAR WAS FOUND ON THE ANIMAL. MARKS ON ANIMAL ARE CONSISTENT WITH GILLNET INTERACTION.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CA-OR-WA	2016	2	17	HOOK AND LINE FISHERY	SAN DIEGO	CA	ALIVE	NECROPSY REVEALED DEEP PENETRATING CHRONIC ENTANGLEMENT AROUND THE FLUKE, THE TISSUE WAS NECROTIC. IN ADDITION, THERE WERE DEEP CHRONIC LACERATIONS THROUGH THE MOUTH. SOME LINE WAS RECOVERED FROM WITHIN THE FLUKE TISSUE, NO GEAR WAS FOUND IN THE MOUTH. ANIMAL WAS INITIALLY FOUND ALIVE BY SWIMMERS AND EXPIRED PRIOR TO ARRIVAL OF SEA WORLD PERSONNEL.	DEAD	NA	1	N	Y
COMMON DOLPHIN, LONG-BEAKED	CA-OR-WA	2016	7	2	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	ALIVE	DOLPHIN IN GOOD CONDITION - NO OBVIOUS SIGNS OF TRAUMA OTHER THAN A TEAR ON THE RIGHT FLIPPER, POSSIBLY FROM LINE AND MARKS ON ROSTRUM/MELON THAT APPEAR TO BE FROM A PRIOR OR RECENT ENTANGLEMENT.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, LONG-BEAKED	CA-OR-WA	2016	12	17	GILLNET FISHERY	SAN DIEGO	CA	DEAD	LINEAR IMPRESSIONS ON HEAD, BODY, VENTRUM SLICED OPEN.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2012	1	17	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2012	1	17	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2012	11	5	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2012	11	6	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2012	11	6	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2013	3	3	GILLNET FISHERY	VENTURA	CA	DEAD	CALL RECEIVED FROM CHANNEL ISLANDS HARBOR PATROL OF A DEAD DOLPHIN ON HOLLYWOOD BEACH WITH TAIL CUT OFF. CIMWI VOLUNTEER RESPONDED AND FOUND A FRESH DEAD COMMON DOLPHIN THAT WAS ESSENTIALLY CUT IN HALF. EDGES OF CUT WERE STRAIGHT AND CLEAN.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2013	11	6	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE SOUTHERN CA	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y

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Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2013	11	8	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE SOUTHERN CA	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2013	11	21	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE SOUTHERN CA	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2013	11	24	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE SOUTHERN CA	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2013	11	27	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE SOUTHERN CA	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2013	12	10	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE SOUTHERN CA	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2014	1	14	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2014	1	15	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2014	1	17	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CALIFORNIA	2014	10	23	GILLNET FISHERY	SAN DIEGO	CA	DEAD	FRESHLY DEAD ANIMAL WITH GAFF MARKS, FLUKES AND DORSAL FIN SEVERED.	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2014	12	6	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM, ONE OF TWO ANIMALS IN SAME SET	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2014	12	6	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM, ONE OF TWO ANIMALS IN SAME SET	DEAD	NA	1	Y	Y
COMMON DOLPHIN, SHORT-BEAKED	CA-OR-WA	2014	12	17	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
DALL'S PORPOISE	CA-OR-WA	2014	11	10	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
DALL'S PORPOISE	CA-OR-WA	2016	6	19	GILLNET FISHERY	SAN JUAN	WA	DEAD	LACERATION ON FLUKE; LEFT SIDE OF TAIL HAS LINE INDENTATION FROM A NET ENTANGLEMENT; RIGHT SIDE OF FLUKE NOTCH HAS LINE FROM A NET ENTANGLEMENT.	DEAD	NA	1	Y	Y
FIN WHALE	CA-OR-WA	2012	6	21	VESSEL STRIKE	MARIN	CA	DEAD	FRACTURED RIBS, VERTEBRAE. NECROPSY PERFORMED BY THE MARINE MAMMAL CENTER AND NATIONAL PARK SERVICE.	DEAD	L12	1	N	Y
FIN WHALE	CA-OR-WA	2012	12	3	VESSEL STRIKE	LOS ANGELES	CA	DEAD	NECROPSY SUMMARY DIAGNOSIS: THE ANIMAL APPEARS TO HAVE SUCCEDED AN INJURY CONSISTENT WITH AN IMPACT TRAUMA ALONG ITS LEFT DORSAL BODY BY A LARGE OBJECT (SHIP STRIKE) RESULTING IN SEVERE MUSCULOSKELETAL TRAUMA AND SUBSEQUENT NECROSIS OF THE TISSUES.	DEAD	L12	1	N	Y
FIN WHALE	CA-OR-WA	2013	2	26	VESSEL STRIKE	LOS ANGELES	CA	DEAD	THE ANIMAL WAS BROUGHT INTO THE L.A. HARBOR ON THE BOW OF A CONTAINER SHIP ENROUTE FROM THE SOUTH. NO TIME TO NECROPSY ANIMAL BEFORE IT WAS TOWED BACK OUT TO SEA.	DEAD	L12	1	N	Y
FIN WHALE	CA-OR-WA	2013	4	13	VESSEL STRIKE	KING	WA	DEAD	EXAMINATION REVEALED THAT THE WHALE HAD BEEN HIT BY A SHIP. THERE WERE SIGNS OF MAJOR TRAUMA AND BRUISING THAT WAS MOST PRONOUNCED ON THE RIGHT SIDE OF THE BODY. THE BRUISING THROUGH THE BLUBBER LAYER INDICATED THE ANIMAL WAS ALIVE WHEN STRUCK. SEVERAL AREAS OF ABRASION HAD WHAT APPEARED TO BE RED PAINT LIKELY FROM THE BOW OF THE SHIP. IT IS THOUGHT THAT THE BLOW OF HAVING BEEN STRUCK AND POSSIBLY CONTACT WITH PROPELLER OR BEING DRAGGED AT HIGH SPEED PINNED ON THE BOW RESULTED IN THE EVISPERATED CONDITION OF THE CARCASS. (CASCADIA RESEARCH TEXT).	DEAD	L12	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
FIN WHALE	CA-OR-WA	2013	6	13	VESSEL STRIKE	GRAYS HARBOR	WA	DEAD	THE 68-FOOT ADULT MALE HAD BEEN IN FAIRLY GOOD HEALTH PRIOR TO DEATH WITH A HEALTHY OILY BLUBBER LAYER AND EVIDENCE OF HAVING FED RECENTLY BASED ON STOMACH CONTENTS. THERE WAS SUBSTANTIAL BRUISING IN THE BLUBBER AND UNDERLYING TISSUES ON THE LEFT SIDE OF THE HEAD AND THE UPPER AND LOWER LEFT JAW INDICATING SEVERE BLUNT FORCE TRAUMA CONSISTENT WITH HAVING BEEN KILLED BY COLLISION WITH A SHIP. (CASCADIA RESEARCH TEXT).	DEAD	L12	1	N	Y
FIN WHALE	CA-OR-WA	2014	7	29	VESSEL STRIKE	VENTURA	CA	DEAD	CALL RECEIVED FROM NAVAL BASE VENTURA COUNTY-PORT HIUENEME PORT OPERATIONS OF A DEAD WHALE FLOATING IN HARBOR NEXT TO SHIP. CIMWI VOLUNTEER WENT TO SITE TO CONFIRM. TOOK PICTURES. NOTIFIED STRANDING COORDINATOR-NMFS, BASE BIOLOGIST, CIMWI DIRECTOR, AND CIRCU. 7/30/14 ARRANGEMENTS BEING MADE BETWEEN NMFS AND NAVY TO HAVE WHALE TOWED TO A SITE FOR NECROPSY. NECROPSY PERFORMED BY MEMBERS OF NMFS, CIMWI, CIRCU, ETC. VESSEL ASSIST TOWED REMAINS OUT TO SEA. EXTERNAL AND INTERNAL EXAM AND NECROPSY	DEAD	L12	1	N	Y
FIN WHALE	CA-OR-WA	2015	2	7	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI	2.5 MILES WEST OF DANA POINT HARBOR. UNKNOWN GEAR BEHIND BLOWHOLE, APPEARS TO BE CONSTRICTING AND LOOKS TO EXTEND TOWARDS MOUTH. VIDEO AND PHOTOS REVIEWED BY J. CARRETTA AND A. HENRY.	SI	L2	1	Y	Y
FIN WHALE	CA-OR-WA	2015	4	10	VESSEL STRIKE	LOS ANGELES	CA	DEAD	MODERATE DECOMPOSITION. NECROPSIED. 307 PLATES OF BALEEN (LEFT), PARTS OF BROKEN VERTEBRA FROM CONTACT ZONE.	DEAD	L12	1	N	Y
FIN WHALE	CA-OR-WA	2015	8	24	VESSEL STRIKE	ALAMEDA	CA	DEAD	WHALE STUCK ON BOW OF VESSEL. CARCASS TOWED TO ANGEL ISLAND FOR NECROPSY.	DEAD	L7A	1	N	Y
FIN WHALE	CA-OR-WA	2015	10	9	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI	2 MILES OFF DANA POINT. PHOTOS SHOW ROPE / LINE AROUND BODY OF TRAVELING WHALE, BEHIND BLOWHOLE BUT FORWARD OF PECTORAL FLIPPER AREA. LINE APPEARS TO BE TIGHT / CONSTRICTING AROUND ANIMAL, THOUGH NO LACERATIONS OR VISIBLE INJURIES ARE APPARENT. WHALE DOES APPEAR SLIGHTLY EMACIATED. PHOTOS REVIEWED BY J. CARRETTA AND A. HENRY.	SI	L2	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2012	1	17	COD POT FISHERY ENTANGLEMENT	ALEUTIANS EAST	AK	SI (PRORATE)	A 40' WHALE WAS CAUGHT IN COD POT GEAR NEAR UNIMAK PASS. LINES WERE CUT BY BOAT CREW AND BUOYS WERE RECOVERED, HOWEVER, THE POT AND SOME LINE REMAINED IN THE WATER. ANY LINE POSSIBLY REMAINING ON ANIMAL THOUGHT TO BE MINIMAL. GRAY WHALE DETERMINATION MADE FOLLOWING EXTENSIVE QUESTIONING BY LOCAL MARINE MAMMAL BIOLOGIST. UNKNOWN AMOUNT AND CONFIGURATION OF REMAINING GEAR.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2012	1	22	MARINE DEBRIS	PACIFIC	WA	DEAD	POSSIBLE ENTANGLEMENT, DEEP CABLE-LIKE INDENTATION AROUND GENITAL AREA.	DEAD	NA	1	N	Y
GRAY WHALE	EASTERN N PACIFIC	2012	1	28	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI (PRORATE)	TOWING TWO ORANGE BUOYS AND AT LEAST 150 FT OF LINE; UNKNOWN FISHERY, REPORTED AS POSSIBLE GILLNET; NO RESPONSE EFFORT. UNKNOWN IF ENTANGLEMENT IS CONSTRICTING OR NOT.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2012	3	24	GILLNET FISHERY	ORANGE	CA	SI	GILLNET GEAR AROUND PEDUNCLE; RESPONSE EFFORT RESULTED IN SUCCESSFUL DISENTANGLEMENT WITH >100 FT OF PINK GILLNET REMOVED FROM ANIMAL, BUT ANIMAL SUBSEQUENTLY OBSERVED DEAD ON 03/27 (FLOATING, SKIN SAMPLE TAKEN, NO NECROPSY). NET REMOVED ON 03/24 FOUND TO CONTAIN ONE DEAD CA SEA LION AND THREE DEAD SHARKS.	DEAD	L2	1	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
GRAY WHALE	EASTERN N PACIFIC	2012	3	28	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI	LINE DEEPLY EMBEDDED AROUND TAIL STOCK AND UNDER FLUKE; ~45 FEET OF ROPE WITH HAND CARVED BUOY; ANIMAL SUCCESSFULLY DISENTANGLED AND ALL GEAR RECOVERED. CONDITION OF ANIMAL INDICATED THAT ANIMAL IS LIKELY TO SURVIVE.	NSI	L2	0	Y	N
GRAY WHALE	EASTERN N PACIFIC	2012	4	17	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	ORANGE	CA	SI (PRORATE)	GRAY WHALE REPORTED ENTANGLED WITH APPROXIMATELY 150 FEET OF LINE TRAILING. FOUR SPONGEX BULLET BUOYS LIE ALONG THE LEFT SIDE OF THE ANIMAL. ENTANGLEMENT INVOLVES THE MOUTH, A WRAP OVER THE HEAD, AND THE LEFT PECTORAL FLIPPER. ENTANGLEMENT APPEARS RECENT. PARTIALLY DISENTANGLED 5/3/12 BY FISHERMEN. UNKNOWN AMOUNT OF GEAR REMAINED ON WHALE.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2012	4	21	UNIDENTIFIED FISHERY INTERACTION	SAN LUIS OBISPO	CA	DEAD	ROPE LIKE MARKS ON CAUDAL PEDUNCLE. ROPE IMPRESSION ON PECTORAL FIN. PHOTOS.	DEAD	NA	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2012	4	28	UNIDENTIFIED FISHERY INTERACTION	MENDOCINO	CA	SI (PRORATE)	SMALL GRAY WHALE OFF FORT BRAGG CA, IN COMPANY OF TWO OTHER ANIMALS, TRAILING TWO BUOYS.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2012	5	5	MARINE DEBRIS	MONTEREY	CA	SI (PRORATE)	WHALE WATCH VESSEL NOTICED FROM IMAGES TAKEN THAT A GRAY WHALE OBSERVED EARLIER IN THE DAY WAS ACTUALLY ENTANGLED. A SMALL GAUGE LINE, LIKELY FROM RIGHT SIDE OF MOUTH GOES OVER THE ANIMAL'S BACK, AND OVER BLOWHOLES, TO LEFT SIDE OF MOUTH. NO BUOYS OR TRAILING LINE WERE OBSERVED. ANIMAL IN FAIR CONDITION. ANIMAL SIGHTED NEXT DAY BY WHALE WATCH VESSEL CONFIRMED MOUTH ENTANGLEMENT, APPEARS TO BE STRAPPING MATERIAL. UNKNOWN IF GEAR IS CONSTRICTING.	SI (PRORATE)	L10	0.75	N	Y
GRAY WHALE	EASTERN N PACIFIC	2012	5	8	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	HUMBOLDT	CA	SI	DEEP CUTS FROM ROPE AROUND PEDUNCLE AND LACERATIONS AT FLUKE NOTCH AND LATERAL EDGE OF FLUKE. GEAR COLLECTED AND IDENTIFIED AS DUNGENESS CRAB POT GEAR. ANIMAL ENTIRELY FREED OF GEAR BUT CONDITION OF ANIMAL IS FAIR AND SLIGHTLY EMACIATED. DEEP CUTS (~ 2 INCHES) FROM THE ROPE AROUND THE PEDUNCLE REMAINED. GEAR WAS RECOVERED. RESULTS OF ENTANGLEMENT MAY STILL BE LIFE THREATENING.	SI	L2	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2012	5	11	DUNGENESS CRAB POT FISHERY	MARIN	CA	SI	LOOP BETWEEN CRAB POTS AND WEIGHTED LINE CAUGHT IN WHALE'S MOUTH; ENTANGLING GEAR STUCK IN ROCKS; ANIMAL ANCHORED WITH SMALL RADIUS OF MOVEMENT FOR 4 DAYS; SUCCESSFULLY DISENTANGLED. GEAR WAS COLLECTED.	NSI	L2	0	Y	N
GRAY WHALE	EASTERN N PACIFIC	2012	5	13	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI	ANIMAL ENTANGLED THROUGH MOUTH IN AT LEAST TWO SETS OF SUSPECTED POT GEAR THAT THAT HANG BELOW. ANIMAL ANCHORED WITH A SHORT SCOPE IN 28 FEET OF WATER TO SUSPECTED POTS. BUNDLE OF GEAR, INCLUDING 4 BUOYS LIE UNDER ANIMAL. ANIMAL HAVING SOME DIFFICULTY GETTING TO SURFACE. ANIMAL EVENTUALLY DISENTANGLED, BUT RESULTS OF ENTANGLEMENT MAY STILL BE LIFE-THREATENING.	SI	L2	1	Y	Y

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Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
GRAY WHALE	EASTERN N PACIFIC	2012	5	19	DUNGENESS CRAB POT FISHERY (OREGON)	CURRY	OR	SI (PRORATE)	TWO FISHING VESSELS WORKED TOGETHER TO CUT LINES FREE FROM THE CALF. AS THEY WORKED THE CALF Began TO MOVE TO THE WEST ACCOMPANIED BY THE ADULT. ONE LINE REMAINED ATTACHED WHEN DISENTANGLEMENT ATTEMPTS WERE DISCONTINUED; THE CALF WAS ENTANGLED IN SEVERAL LINES IDENTIFIED AS CRAB GEAR. LOCATION NEAR SHORE IN APPROXIMATELY 50 FEET OF WATER NORTH AND WEST OF THE NORTH JETTY ROGUE RIVER MOUTH, GOLD BEACH OREGON. UNKNOWN AMOUNT / CONFIGURATION OF GEAR REMAINED ON ANIMAL.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2012	6	16	GILLNET FISHERY	VALDEZ-CORDOVA	AK	SI	GRAY WHALE IN PRINCE WILLIAM SOUND ENTANGLED IN GEAR. THRASHING AT SURFACE AND MOVING AT 4-5 KNOTS. NO WOUNDS OR CHAFING WAS OBSERVED. GILLNET, CORKLINE (AT LEAST 12 FLOATS), AND LEADLINE OBSERVED OVER ANIMAL'S ROSTRUM, BODY, AND TAILSTOCK. BOTH PECTORAL FLIPPERS APPEARED PINNED TO BODY. ANIMAL LATER APPEARED TIRED AND WAS SWIMMING AT 2 KNOTS. IT WAS NOT RELOCATED. ASSIGNED L2 SERIOUS INJURY BECAUSE GEAR APPEARS TO BE CONSTRICTING MOVEMENT OF WHALE.	SI	L2	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2012	8	22	GILLNET FISHERY	VALDEZ-CORDOVA	AK	SI (PRORATE)	A FISHING NET WAS OBSERVED BEING TRAILED FROM A GRAY WHALE'S BACK. PHOTOS APPARENTLY AVAILABLE, BUT HAVE NOT BEEN LOCATED. PRINCE WILLIAM SOUND. EXTENT AND SEVERITY OF ENTANGLEMENT UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2012	8	31	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	SI	FIRST DETECTED NEAR SAN DIEGO. GRAY WHALE REPORTED ENTANGLED WITH SMALL GAUGE, DARK-COLORED LINE, DEEPLY EMBEDDED AROUND ITS TAIL STOCK. LITTLE GEAR TRAILS. ENTANGLEMENT WAS ONCE MORE EXTENSIVE AS INDICATED BY SCARS ON THE ANIMAL'S BODY. ANIMAL IN VERY POOR CONDITION - EMACIATED, SCARRED AND A HEAVY LOAD OF CYAMID AMPHIPODS. BLACK LINE AROUND PEDUNCLE, 20 FT TRAILING; OBSERVED OFF SAN DIEGO ON 8/31, COMPLETELY DISENTANGLED OFF LOS ANGELES 9/6, STRANDED DEAD 9/14/12.	DEAD	L2	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2012	10	13	GILLNET FISHERY	MENDOCINO	CA	SI	MACKERRICHER STATE PARK, JUST OUTSIDE THE SURF ZONE. WHALE REPORTED WITH ROPE AROUND THE PEDUNCLE WHICH WASN'T SEEN IN PHOTOGRAPHS BUT PHOTOS DID SHOW GREEN GILLNET WITH CUTS TO THE HEAD; ANIMAL DISAPPEARED AND FINAL STATUS IS UNKNOWN. CUTS TO HEAD INDICATE CONSTRICTING GEAR.	SI	L2	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2013	1	10	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	CLALLAM	WA	SI (PRORATE)	GRAY WHALE SWIMMING EAST TOWARDS WHISKEY CREEK SLOWLY FOR 30 MINUTES SAID TO BE ENTANGLED IN ROPE AND BUOYS. ANIMAL NOT RELOCATED, SEVERITY OF ENTANGLEMENT UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2013	2	3	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	SAN DIEGO	CA	SI (PRORATE)	LINE ENTANGLEMENT DESCRIBED AS "POT GEAR" WITH A SINGLE WHITE BUOY TRAILING. NOT RESIGHTED.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2013	3	8	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	CLALLAM	WA	SI (PRORATE)	ENTANGLED WHALE WAS TRAILING ROPE ~ 20 FEET BEHIND AND TWO ORANGE FLOATS. ANIMAL IS THOUGHT TO HAVE AN ENTANGLEMENT ON THE PECTORAL FIN OR HEAD REGION. NO RESIGHTS OF THE ANIMAL HAVE BEEN REPORTED.	SI (PRORATE)	L10	0.75	Y	Y



Appendix 4. Records of human-related injury and mortality, 2012-2016.

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GRAY WHALE	EASTERN N PACIFIC	2013	3	22	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	COOS	OR	SI	U.S. COAST GUARD IN COOS BAY REPORTED AN ENTANGLED GRAY WHALE CALF A COUPLE MILES WEST OF CAPE ARAGO. A SMALL WHALE (<20 FEET) WAS SEEN LYING FAIRLY MOTIONLESS, IN CLOSE PROXIMITY TO A STRING OF CRAB GEAR. THE WITNESS WAS ABOUT 100 YARDS AWAY IN THE WHEELHOUSE OF A 90' VESSEL AND DIDN'T ACTUALLY SEE ANY GEAR WRAPPED AROUND THE WHALE'S BODY BUT HE THOUGHT IT WAS PROBABLY ENTANGLED. USCG DID A FLYOVER OF THE AREA AND DID NOT RESIGHT THE ANIMAL. EVIDENCE OF CONSTRICTING GEAR BECAUSE WHALE WAS MOTIONLESS.	SI	L2	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2013	3	28	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	LOS ANGELES	CA	SI	SINGLE STRAND OF ROPE WRAPPED TIGHTLY ONCE AROUND LEFT FLUKE BLADE; ROPE DESCENDS TO BELIEVED LOBSTER POT AT DEPTH OF ~20 M SLIGHTLY BEHIND ANIMAL. INJURED, HIGH CYAMID LOAD. NOT RESIGHTED. EVIDENCE OF CONSTRICTING ENTANGLEMENT AND HEALTH DECLINE.	SI	L2	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2013	4	13	UNIDENTIFIED FISHERY INTERACTION	SANTA BARBARA	CA	SI (PRORATE)	ANIMAL ENTANGLED IN FOUR OR MORE BUOYS IN TANDEM ON A LINE, 2 SMALL ORANGE BUOYS ON THE ENDS, HALF A YELLOW/BROWN BULLET BUOY AND SMALL YELLOW PLASTIC FLOAT IN THE MIDDLE. SIGHTED, UNABLE TO ATTACH RESCUE LINE.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2013	4	18	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	SAN FRANCISCO	CA	NSI	RESCUE TEAM FOUND GEAR THAT ANIMAL HAD SHED. GEAR IDENTITY CONFIRMED BY CDFW USING BUOY NUMBER. NO ADDITIONAL DETAILS.	NSI	L3	0	N	N
GRAY WHALE	EASTERN N PACIFIC	2013	5	6	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	CURRY	OR	SI (PRORATE)	REPORTEDLY HAD CRAB BUOY AND 20 FEET OF LINE TRAILING BEHIND IT WAS REPORTEDLY ENTANGLED IN CRAB GEAR SWIMMING WITHIN 1 MILE OF SHORE; FINAL OUTCOME UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2013	6	25	GILLNET FISHERY	HUMBOLDT	CA	DEAD	ENTANGLED IN LARGE AMOUNT OF PINK GILLNET WITH BLACK FLOATS AROUND PEDUNCLE AND FLUKES. MODERATE DECOMPOSITION. LATITUDE = 40.617, JUST SOUTH OF PACIFIC COAST FEEDING GROUP BOUNDARY DEFINED BY IWC.	DEAD	NA	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2013	6	25	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MARIN	CA	DEAD	ENTANGLEMENT FOUND WRAPPED THROUGH MOUTH AND ON FLUKES.	DEAD	NA	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC-PCFG	2013	6	27	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	CURRY	OR	DEAD	ENTANGLED TO GEAR AT PEDUNCLE AND RIGHT PECTORAL; CRAB POT TAG NUMBER IDENTIFIED AS DUNGENESS CRAB POT GEAR.	DEAD	NA	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2013	7	16	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MARIN	CA	DEAD	CDFW TAG ID IDENTIFIED TO DUNGENESS CRAB FISHERMAN; ENTANGLEMENT WAS IN LINE AND BUOYS ONLY (NO POT/TRAP); DEAD STRANDING.	DEAD	NA	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC-PCFG	2013	7	29	VESSEL STRIKE	GRAYS HARBOR	WA	DEAD	BLUNT FORCE TRAUMA TO LEFT SIDE OF ROSTRUM. ABRASIONS AND SUPERFICIAL LACERATIONS WITH ASSOCIATED BRUISING AND HEMORRHAGE IN BLUBBER AND UNDERLYING MUSCLE; DEGLOVING OF TISSUE FROM BONE AT SITE AND SHATTERED AREAS IN L ROSTRAL BONE. BASED ON SIZE OF IMPACT, IDENTIFIED AS VESSEL STRIKE.	DEAD	NA	1	N	Y
GRAY WHALE	EASTERN N PACIFIC-PCFG	2013	9	4	TRIBAL CRAB POT GEAR	CLALLAM	WA	SI (PRORATE)	GRAY WHALE, CONFIRMED (KNOWN PCFG, CASCADIA #819). SEVERAL SIGHTINGS AND THE ANIMAL WAS ULTIMATELY DISENTANGLED BY DFO AND PARKS CANADA. NO DETAILS ON AMOUNT OR CONFIGURATION OF GEAR.	NSI	L10	0	N	N

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GRAY WHALE	EASTERN N PACIFIC	2013	9	8	VESSEL STRIKE	NORTH SLOPE BOROUGH	AK	NSI	WELL-DOCUMENTED VESSEL STRIKE INVOLVING A NOAA RESEARCH RHIB (23 FT IN LENGTH) THAT WAS OVERTURNED BY A GRAY WHALE DURING SATELLITE TAGGING OPERATIONS. WHALE APPEARED UNDER THE BOW OF RHIB, WHICH WAS IMMEDIATELY PUT INTO REVERSE, BUT WHALE LIFTED BOW OF VESSEL HIGH ENOUGH OUT OF THE WATER TO CAUSE IT TO FLIP OVER. ALL PERSONNEL ABOARD WERE RESCUED BY THE R/V AQUILA AND THE RHIB VESSEL WAS RETRIEVED. SLOW SPEED AND SMALL SIZE OF THE RHIB, COMBINED WITH A LACK OF INFORMATION ON POSSIBLE WHALE INJURY SUPPORTS USE OF L6C NON-SERIOUS INJURY CRITERIA.	NSI	L6C	0	N	N
GRAY WHALE	EASTERN N PACIFIC	2013	10	23	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE SOUTHERN CA	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2014	1	5	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	ENTANGLEMENT ON HEAD OF WHALE, INCLUDED FLOAT. NO DETAILS ON SEVERITY OF ENTANGLEMENT OR AMOUNT OF GEAR.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2014	4	15	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	SI (PRORATE)	ENTANGLED IN UNSPECIFIED GEAR. NO DETAILS ON GEAR TYPE OR SEVERITY OF ENTANGLEMENT.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC-PCFG	2014	5	27	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	CURRY	OR	SI (PRORATE)	ENTANGLED GRAY WHALE SIGHTED NEAR GOLD BEACH, APPEARED TO BE SWIMMING WELL IN A NORTHERLY DIRECTION. THE OBSERVER TOOK VIDEO - IT APPEARS TO HAVE AN ORANGE/RED OR WHITE/RED BUOY TRAILING JUST A FEW FEET BEHIND IT. OBSERVER LOST SIGHT OF THE ANIMAL BEFORE CONTACTING OREGON STATE UNIVERSITY. ABSENCE OF CONSTRICTING GEAR COULD NOT BE CONFIRMED FROM VIDEO.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC-PCFG	2014	5	28	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	LINCOLN	OR	SI (PRORATE)	GRAY WHALE CALF (ATTENDED BY MOTHER) ENTANGLED IN LINE AROUND HEAD AND TRAILING ONE ORANGE AND ONE WHITE BUOY. BUOYS ESTIMATED TO BE 20-25 FT BEHIND FLUKES. NO DISENTANGLEMENT ATTEMPT. BOTH ANIMALS MOVING NORTH AT APPROX. 3.5 KTS (SHADOWED BY RHIB VESSEL), THUS IT IS THOUGHT NO POT/TRAP IS ATTACHED TO ANIMAL, OTHERWISE SPEED WOULD BE SLOWER. MOTHER OF CALF IS A KNOWN ANIMAL (CRC-554) WITH NORTHERN CA / SOUTHERN OR SIGHTING HISTORY BACK TO 1997. GIVEN THE SIGHTING HISTORY OF MOTHER, SHE AND CALF ARE CONSIDERED PART OF THE PCFG POPULATION.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2014	7	24	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI (PRORATE)	ENTANGLED WITH YELLOW LINE WRAPPED AROUND ITS BODY, MAY INVOLVE MOUTH, NO BUOYS; WHALE LICE ON HEAD AND POST CRANIAL DIP; UNKNOWN GEAR TYPE. GEAR DISCARDED BEFORE NOAA COULD EVALUATE. FREE-SWIMMING; NEWPORT BEACH LG FREED WHALE; RESIGHTED MOVING NORTH 7/26. SERIOUS INJURY BECAUSE LACK OF CONFIRMATION THAT ALL GEAR WAS REMOVED.	SI (PRORATE)	L10	0.75	Y	Y

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GRAY WHALE	EASTERN N PACIFIC	2014	9	2	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET, PINK 8.25 INCH MESH, GEAR EXTENDS 40 FEET BEHIND ANIMAL- GEAR ORIGINATED IN MOUTH AND CUT DOWN TO 10 FEET OUT BOTH SIDES OF MOUTH. ENTANGLEMENT DEEPLY EMBEDDED IN MOUTH, RUNNING DOWN BOTH SIDES OF BODY, UNDER THE PECTORAL FINS, AND OVER THE FLUKE. CUT LINE ON SIDE OF BODY WITH CUTTING KNIFE, SOME GEAR REMAINING IN MOUTH. L2 SERIOUS INJURY BECAUSE OF REMAINING GEAR ON ANIMAL AND APPARENT CONSTRICTING NATURE OF GEAR ('DEEPLY EMBEDDED'). MESH SIZE IS CONSISTENT WITH CALIFORNIA SET GILLNET FISHERY FOR HALIBUT, BUT IT IS UNKNOWN WHERE ANIMAL PICKED UP GEAR. SIMILAR MESH SIZES MAY BE USED SOUTH OF US / MEXICO BORDER.	SI	L2	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2014	9	11	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI (PRORATE)	ENTANGLED WITH YELLOW POLYLINE AND A COUPLE OF FLOATS TRAILING BEHIND. THRASHING INDICATES RECENT ENTANGLEMENT; ANIMAL IN DISTRESS; ANIMAL NOT RESIGHTED, POSSIBLY LIFE-THREATNING.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2015	1	21	VESSEL STRIKE	KING	WA	DEAD	PIER 52 SEATTLE FERRY DOCK. SHARP FORCE TRAUMA CAUSED BY LARGE PROPELLER. DEFINITE CAUSE OF MORTALITY. 5-6 PROPELLER CUTS ON R SIDE/ACROSS BACK, BEGINNING JUST DORSAL OF RIGHT PECTORAL FIN. UNABLE TO SEE HOW FAR THEY EXTEND ACROSS BACK DUE TO CARCASS POSITION, VISIBLE PORTIONS 80-180CM. MODERATELY DECOMPOSED WHALE.	DEAD	L5A	1	N	Y
GRAY WHALE	EASTERN N PACIFIC	2015	2	2	GILLNET FISHERY	LOS ANGELES	CA	SI	ENTANGLED IN BLUE / GREEN GILLNET, NET AROUND HEAD / BLOWHOLE REGION, FULL GEAR CONFIGURATION UNKNOWN, BUT AN ABSENCE OF GEAR ON FLUKES AND PEDUNCLE NOTED. ANIMAL MILLING AT SURFACE AND CHANGING DIRECTION OFTEN. HEAVY COATING OF BARNACLES ON BODY, ANIMAL IN POOR CONDITION, WITH NECROTIC TISSUE ON THE HEAD EVIDENT. LONG-TERM SURVIVAL UNLIKELY. PHOTOS REVIEWED BY J. CARRETTA AND D. WELLER.	SI	L10	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2015	2	26	UNIDENTIFIED FISHERY INTERACTION	SANTA BARBARA	CA	SI	POSSIBLE CRAB POTS. BUOY COLORS DIFFICULT TO SEE FROM COAST GUARD VIDEO, REPORTED AS RED AND WHITE. LINE COMES DOWN BOTH SIDES OF BODY AND COMES TOGETHER AT BUOY 1 ABOUT 10 FT IN FRONT OF THE FLUKE, 2ND BUOY RIGHT AT FLUKE INSERTION WRAPPED AROUND TIGHTLY WITH BUOY AT SURFACE; EXAMINATION OF USCG VIDEO BY J. CARRETTA INDICATES EVIDENCE OF CONSTRICTING WRAP AND A WHALE THAT HAS DIFFICULTY TRAVELING NORMALLY. WARRANTS USE OF SERIOUS INJURY CATEGORY L2.	SI	L2	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2015	3	7	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI (PRORATE)	INITIALLY SEEN BREACHING MULTIPLE TIMES, THEN RESTING AT SURFACE AND ATTEMPTING TO SWIM BACKWARDS WITH MOUTH OPEN. LINE OR ROPE TRAILING DOWN LEFT SIDE FROM MOUTH TO THE PECTORAL FIN AND AFT OF THE BLOWHOLES, UNABLE TO SEE WHERE THE LINE ORIGINATED. FULL CONFIGURATION OF GEAR IS UNKNOWN. PHOTOS REVIEWED BY J. CARRETTA.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2015	3	11	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	SAN LUIS OBISPO	CA	SI (PRORATE)	SELF REPORT FROM FISHERMAN IN HIS OWN GEAR; 1 CRAB POT ON 300 FT OF LINE SET IN 250 FT WITH 2 BUOYS (1 ORANGE/1 PURPLE) WITH TEAL LINE CONNECTING TO BLUE POLY LINE WRAPPED AROUND THE FLUKE; TIER 1 CDFW DUNGENESS CRAB GEAR. FULL EXTENT OF GEAR ENTANGLEMENT UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
GRAY WHALE	EASTERN N PACIFIC-PCFG	2015	3	16	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI	LINE COMING OUR RIGHT SIDE OF MOUTH, MORE TRAILING LINE COMING FROM UNDERNEATH. PHOTOS REVIEWED BY J. CARRETTA AND D. WELLER. PHOTOS DO NOT SHOW GEAR, BUT RESPONDERS (J. CALAMBOKIDOS) CONFIRMED PRESENCE OF GEAR. FULL GEAR CONFIGURATION UNKNOWN. ANIMAL HAS MODERATE CYAMID / BARNACLE LOAD, INDICATIONS OF A HEALTH DECLINE, THUS ASSIGNED A SERIOUS INJURY VALUE = 1.	SI	L10	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2015	3	19	UNIDENTIFIED FISHERY INTERACTION	JEFFERSON	WA	SI (PRORATE)	GRAY WHALE REPORTED WITH TAIL ENTANGLED IN FISHING LINE, WITH ORANGE BUOY ATTACHED. NO PHOTOS OR VIDEO TO DETERMINE EXTENT OF GEAR ENTANGLEMENT. REPORTED BY A TUGBOAT TO USCG.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2015	5	21	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	CURRY	OR	SI (PRORATE)	USCG SECTOR NORTH BEND, OREGON REPORTED WHALE TO BE TRAVELING NORTH AT 3 MPH WITH 3 OTHER CONSPECIFICS AND A CALF. ~30 FEET OF LINE WITH A SINGLE YELLOW BUOY TRAILING BEHIND THE WHALE, APPEARED TO BE MOVING OKAY AND NO DESCRIPTION OF WHERE ON THE BODY LINE WAS WRAPPED. 5/25/2015: REPORTED AGAIN BY A WHALE WATCH VESSEL OUT OF DEPOE BAY, WAS SIGHTED HOURS EARLIER IN NEWPORT, OR. LAST KNOWN LOCATION ON 5/25/2015 WAS JUST SOUTH OF THE CAPE MEARES LIGHTHOUSE SWIMMING NORTH AT 3MPH. GEAR CONFIGURATION UNKNOWN, ASSIGNED L10.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2015	5	23	GILLNET FISHERY	VALDEZ-CORDOVA	AK	DEAD	A FRESH GRAY WHALE CARCASS WAS DISCOVERED ON THE COPPER RIVER DELTA. THE CARCASS DISPLAYED LINEAR CUTS AND CHAFING ON THE ROSTRUM, INDICATIVE OF RECENT GILLNET ENTANGLEMENT. EXAMINED BY K. WYNNE AND E. LYMAN.	DEAD	NA	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2015	7	30	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	ORANGE	CA	SI (PRORATE)	FISHERMEN SELF-REPORT, BRINGING IN SET NET WHEN GRAY WHALE APPROACHED FROM UNDER BOAT, HIT NET, SPUN, VIOLENTLY REACTED, EVENTUALLY BROKE FREE, UNCERTAIN IF ANY GEAR REMAINED ON WHALE; FISHERMAN UNSURE IF EVEN REALLY EVER ENTANGLED BUT THINKS 20 FT OF HIS NET MAY BE HAVE BEEN GONE. UNKNOWN GEAR CONFIGURATION ON ANY REMAINING GEAR. NO PHOTOS.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC-PCFG	2015	8	15	GILLNET FISHERY	CLALLAM	WA	SI	JUVENILE GRAY WHALE FOUND ANCHORED AND ENTANGLED IN A MARINE SET GILLNET INSIDE NEAH BAY. WHALE HAD 3-4 WRAPS OF LEADLINE AND CORKLINE AROUND THE CAUDAL PEDUNCLE WITH LINES STREAMING OVER THE FLUKE LEADING TO A MASS OF GILLNET MESH AND LINES. WHALE REMAINED IN AREA, WITH MULTIPLE DISENTANGLEMENT EFFORTS CONTINUING INTO SEPTEMBER. FINAL PHOTOS OF WHALE SHOW ANIMAL SWIMMING FREE, FEEDING NORMALLY, AND APPARENTLY GEAR FREE. INITIAL INJURY ASSESSMENT IS L2 BECAUSE OF CONSTRICTING GEAR, BUT FINAL ASSESSMENT IS NON-SERIOUS INJURY BECAUSE OF INTERVENTION EFFORTS TO REMOVE GEAR. BIOPSY SAMPLE ALSO OBTAINED AND SENT TO SWFSC. PHOTOS AND NARRATIVE PROVIDED BY MAKAH TRIBE, REVIEWED BY J. CARRETTA.	NSI	L2	0	Y	N
GRAY WHALE	EASTERN N PACIFIC	2015	9	8	UNIDENTIFIED FISHERY INTERACTION	SANTA BARBARA	CA	SI (PRORATE)	GRAY WHALE REPORTED AS ENTANGLED IN NETTING, NO ADDITIONAL DETAILS.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2015	9	26	GILLNET FISHERY	ORANGE	CA	SI (PRORATE)	VESSEL REPORTED A GRAY WHALE ENTANGLED IN NETTING WITH NO TRAILING GEAR 12 MILES OFF SAN ONOFRE. NO FURTHER DETAILS AVAILABLE.	SI (PRORATE)	L10	0.75	Y	Y

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GRAY WHALE	EASTERN N PACIFIC	2015	12	21	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	SAN DIEGO	CA	SI (PRORATE)	ENTANGLED ON LEFT SIDE TRAILING LOBSTER-TYPE BUOY POSSIBLY ALSO ON FLUKES, BUOY ORANGE IN COLOR AND EASILY VISIBLE. GEAR CONFIGURATION UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2016	2	5	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI (PRORATE)	ENTANGLED IN ROPE, DRAGGING A SINGLE WHITE BUOY. TRAVELING WITH OTHER WHALES SOUTHBOUND, NO PHOTOS. OFF DANA POINT.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2016	3	24	VESSEL STRIKE	SAN DIEGO	CA	DEAD	"S" SHAPED LACERATIONS ALONG LEFT LATERAL SIDE AT ABDOMINAL (6) AND PEDUNCLE (6) INDICATE THIS ANIMAL WAS HIT BY A SHIP, ALTHOUGH IT IS NOT CLEAR IF THIS HAPPENED BEFORE OR AFTER DEATH.	DEAD	NA	1	N	Y
GRAY WHALE	EASTERN N PACIFIC	2016	4	21	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI	JUVENILE OR CALF SWIMMING NORTH WITH YELLOW LINE, MULTIPLE WRAPPED AROUND TAIL STOCK, OVER FLUKES, 2 WHITE BULLET BUOYS AT BASE OF TAIL STOCK, LINE TRAILING WHALE 50 FEET. ANIMAL RE-SIGHTED ON 4/27/2016, SWIMMING WITH ADULT ANIMAL OFF BIG SUR. NO TELEMETRY ATTEMPT MADE BECAUSE OF SMALL SIZE OF WHALE. CONFIGURATION AND SEVERITY OF ENTANGLEMENT UNKNOWN. OUTCOME UNKNOWN. EXTENSIVE WRAPS LIKELY TO BECOME CONSTRICTING AS ANIMAL GROWS.	SI	L2	1	Y	Y
GRAY WHALE	EASTERN N PACIFIC	2016	4	22	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI (PRORATE)	LINE WRAPPED AROUND THE BASE OF THE FLUKES; WHITE BUOY AT BASE OF TAIL, TRAILING LINE APPEARS TO BE 15-20 FEET LONG, NO FLOATS ATTACHED TO TRAILING LINE [NOT SAME WHALE AS 20160421ER, BASED OFF COMPARISON OF VIDEO TO PHOTOS, BODY SIZE, SWIMMING PATTERN, COLOR PATTERN]. ANIMAL DESCRIBED AS MOVING NORTH AT 2-3KTS AND NOT USING ITS FLUKES VERY MUCH.	SI (PRORATE)	L10	0.75	Y	Y
GRAY WHALE	EASTERN N PACIFIC-PCFG	2016	7	22	VESSEL STRIKE	LINCOLN	OR	NSI	USCG MOTOR LIFEBOAT STRUCK A GRAY WHALE WHILE TRAVELING AT APPROXIMATELY 10 KNOTS. FOLLOWING COLLISION, WHALE POPPED ITS HEAD ABOVE THE SURFACE AND THEN DOVE. USCG MOTOR LIFEBOATS ARE APPROXIMATELY 45 FT IN SIZE. NO DETAILS ON INJURY TO WHALE.	NSI	L6C	0	N	N
GRAY WHALE	EASTERN N PACIFIC-PCFG	2016	8	1	VESSEL STRIKE	CURRY	OR	DEAD	MULTIPLE DEEP CUTS INTO LEFT THORAX AND ABDOMEN CLEARLY INDICATE PROPELLER WOUNDS. MODERATELY-DECOMPOSED CALF.	DEAD	NA	1	N	Y
GUADALUPE FUR SEAL	MEXICO	2012	5	25	UNIDENTIFIED NET FISHERY	SONOMA	CA	SI	DARK GREEN ENTANGLEMENT AROUND LOWER NECK/UPPER SHOULDER AREA - NOT EMBEDDED, EMACIATED. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED.	NSI	P8A	0	Y	N
GUADALUPE FUR SEAL	MEXICO	2012	5	29	BLUNT FORCE TRAUMA	CLATSOP	OR	DEAD	TREMENDOUS HEMORRHAGE AT AXILLA AND PELVIC AREAS; SOME ORGAN HEMORRHAGING; BLOOD IN THORACIC CAVITY.	DEAD	NA	1	N	Y
GUADALUPE FUR SEAL	MEXICO	2012	6	8	GILLNET FISHERY	TILLAMOOK	OR	NSI	ANIMAL ENTANGLED AROUND NECK IN BLUE NET, NO OBVIOUS INJURIES, ANIMAL QUICKLY RETURNED TO OCEAN AFTER DISENTANGLEMENT.	NSI	P7B	0	N	N
GUADALUPE FUR SEAL	MEXICO	2012	6	9	MARINE DEBRIS	LINCOLN	OR	SI	ORANGE PLASTIC LINE WRAPPED TIGHTLY AROUND THORAX AT SHOULDERS, WAS DISENTANGLED BY VOLUNTEERS; ANIMAL WAS ALERT AND RESPONSIVE THROUGHOUT, MADE ITS WAY BACK OUT TO WATER; NO FURTHER REPORTS RECEIVED; APPEARS THIN IN PHOTOS.	SI	P1, P7B	1	N	Y
GUADALUPE FUR SEAL	MEXICO	2012	6	18	MARINE DEBRIS	GRAYS HARBOR	WA	DEAD	CLEAR PLASTIC PIECE 2 X 8 INCHES IN SIZE RECOVERED FROM STOMACH AND ESOPHAGUS.	DEAD	NA	1	N	Y
GUADALUPE FUR SEAL	MEXICO	2012	6	19	SHOOTING	PACIFIC	WA	DEAD	BULLET HOLES WITH ASSOCIATED HEMORRHAGING IN BODY. LEFT LUNG DAMAGED BY BULLET, BLOOD IN THORACIC, ABDOMINAL, AND PERICARDIAL CAVITIES; INTESTINES VERY TWISTED.	DEAD	NA	1	N	Y

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GUADALUPE FUR SEAL	MEXICO	2012	6	28	UNIDENTIFIED NET FISHERY	PACIFIC	WA	DEAD	ENTANGLEMENT IN GREEN TRAWL NET WITH SIGNIFICANT TRAUMA AROUND NECK, ALSO FOUND STYROFOAM IN STOMACH. DETAILED INTERNAL AND EXTERNAL EXAM.	DEAD	NA	1	Y	Y
GUADALUPE FUR SEAL	MEXICO	2013	6	28	GILLNET FISHERY	SAN DIEGO	CA	DEAD	BLUE TWINE GILLNET WITH STRETCH MESH LENGTH OF 15.5 CM FOUND WRAPPED AROUND NECK.	DEAD	NA	1	Y	Y
GUADALUPE FUR SEAL	MEXICO	2015	5	11	SHOOTING	MARIN	CA	DEAD	XRAYS REVEALED 7 PIECES OF BUCKSHOT THROUGHOUT BODY, WITH ONE THAT APPEARS TO BE LODGED IN ANIMAL'S HEART.	DEAD	NA	1	N	Y
GUADALUPE FUR SEAL	MEXICO	2015	6	1	MARINE DEBRIS	SANTA CRUZ	CA	DEAD	GREEN TWINE ON RIGHT FRONT FLIPPER	DEAD	NA	1	N	Y
GUADALUPE FUR SEAL	MEXICO	2015	6	10	MARINE DEBRIS	MARIN	CA	SI	LETHARGIC ANIMAL WITH ABRASION AROUND NECK FROM OLD ENTANGLEMENT. ANIMAL DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
GUADALUPE FUR SEAL	MEXICO	2015	7	10	GILLNET FISHERY	SANTA CRUZ	CA	DEAD	HEAVY COLONIZATION BY BARNACLES, LARGE NETTING ENTANGLEMENT AROUND NECK, EYES BULGING, HEAVILY DECOMPOSED INTESTINES, GAS-FILLED, IMMATURE SEXUAL ORGANS. CAUSE OF DEATH ENTANGLEMENT, NUTRITION.	DEAD	NA	1	Y	Y
GUADALUPE FUR SEAL	MEXICO	2015	12	28	HAWAII LONGLINE SHALLOW SET FISHERY	OFFSHORE	CA	NSI	HOOKED IN MOUTH (LOWER LEFT JAW) BY 18/0 OFFSET FLAT CIRCLE HOOK (DIAMETER NOT MEASURED). ANIMAL WAS STRUGGLING AS IT WAS BROUGHT ALONG VESSEL, WHERE AFTER SEVERAL ATTEMPTS, IT WAS SUCCESSFULLY DEHOOKED: NO GEAR LEFT ON ANIMAL. SOME BLEEDING OBSERVED, BUT JAW WAS INTACT. ANIMAL WAS SEEN PORPOISING AFTER RELEASE. THE HOOK WAS NOT BENT AND NO TISSUE WAS LEFT ON THE HOOK. CAPTURE MYOPATHY EFFECTS SEEM UNLIKELY.	NSI	P5C	0	N	N
GUADALUPE FUR SEAL	MEXICO	2016	4	22	MARINE DEBRIS	MONTEREY	CA	SI	EMACIATED, THICK SINGLE BRAIDED PLASTIC LINE/NETTING AROUND NECK. DIED IN REHAB FACILITY.	DEAD	P8A	1	N	Y
GUADALUPE FUR SEAL	MEXICO	2016	4	25	MARINE DEBRIS	MONTEREY	CA	SI	EMACIATED, ORANGE NYLON NETTING CUTTING INTO NECK AND WRAPPED LOOSELY AROUND UPPER BODY.	DEAD	P8A	1	N	Y
GUADALUPE FUR SEAL	MEXICO	2016	4	27	MARINE DEBRIS	MARIN	CA	SI	EMACIATED, THICK BLACK ROPE WAS AROUND NECK BUT REMOVED BY MEMBER OF PUBLIC (FIRE DEPARTMENT?) PRIOR TO RESCUE TEAM ARRIVING. PUBLIC NETTED OUT OF THE WATER. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P7B	0	N	N
GUADALUPE FUR SEAL	MEXICO	2016	5	22	MARINE DEBRIS	SAN LUIS OBISPO	CA	DEAD	EMACIATED, DECOMPOSING CARCASS WITH ENTANGLEMENT.	DEAD	NA	1	N	Y
GUADALUPE FUR SEAL	MEXICO	2016	5	27	UNIDENTIFIED FISHERY INTERACTION	NA	WA	DEAD	REPORTED FRESH DEAD FROM 'SHILOH BEACH'. EXAM BOTH INTERNAL AND EXTERNAL. SUSPECTED ENTANGLEMENT OR ENTRAPMENT. BASED ON CIRCULAR LINEAR HEMORRHAGE AT HIND FLIPPER/ LOWER PELVIS AREA AS WELL AS BOTH FRONT FLIPPERS.	DEAD	NA	1	Y	Y
GUADALUPE FUR SEAL	MEXICO	2016	5	28	UNIDENTIFIED FISHERY INTERACTION	SAN MATEO	CA	DEAD	TWO LOOPS OF ROPE NET FOUND AROUND THE NECK JUST ABOVE THE SHOULDERS. INTRUSION INTO MUSCLE ALMOST COMPLETE CIRCUMFERENTIALLY, EXCEPT FOR A 1 INCH SECTION MIDLINE VENTRALLY	DEAD	NA	1	Y	Y
GUADALUPE FUR SEAL	MEXICO	2016	5	29	MARINE DEBRIS	SONOMA	CA	SI	PUBLIC REPORTEDLY REMOVED AN ENTANGLEMENT FROM AN EMACIATED ANIMAL. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P7B	0	N	N
GUADALUPE FUR SEAL	MEXICO	2016	5	29	MARINE DEBRIS	MONTEREY	CA	SI	MEMBER OF PUBLIC DISENTANGLED EMACIATED ANIMAL. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P7B	0	N	N

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GUADALUPE FUR SEAL	MEXICO	2016	6	8	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	EMACIATED, LARGE YELLOW ENTANGLEMENT AROUND LOWER NECK, SHOULDERS AND FLIPPERS. ANIMAL STRANDED WITH BLUE FLIPPER TAGS. UNCLEAR IF BLUE FLIPPER TAGS WERE FROM RESEARCH-RELATED ACTIVITY OR REPRESENT A PREVIOUSLY-STRANDED HUMAN-RELATED CASE. TREATED AT REHAB FACILITY AND RELEASED WITH NEW ORANGE FLIPPER TAGS. TREATED AS SERIOUS INJURY BECAUSE PROBABLE RE-STRAND.	SI	P7B	1	N	Y
GUADALUPE FUR SEAL	MEXICO	2016	6	15	MARINE DEBRIS	MENDOCINO	CA	DEAD	CARCASS COLLECTED, WITH ENTANGLEMENT, BUT ONLY SKULL AND BACULUM RETAINED. NO DETAILS ON TYPE OF ENTANGLEMENT.	DEAD	NA	1	N	Y
HARBOR PORPOISE	N OREGON-WA COAST	2012	1	16	UNIDENTIFIED NET FISHERY	PACIFIC	WA	DEAD	CARCASS; EXCELLENT BODY CONDITION; LINEAR INDENTATIONS ALONG DORSAL PEDUNCLE; LOTS OF FOAM IN RIGHT LUNG; RIB MARK BRUISING ON LUNGS.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	N OREGON-WA COAST	2012	2	3	UNIDENTIFIED NET FISHERY	CLATSOP	OR	DEAD	CARCASS; LINEAR MARKS ALONG DORSAL PEDUNCLE; HEMORRHAGE ON HEAD, NECK, AND VARIOUS AREAS OF BODY.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	N OREGON-WA COAST	2012	3	7	UNIDENTIFIED FISHERY INTERACTION	LINCOLN	OR	DEAD	CARCASS; SEVERE LINEAR GASHES ON LEFT SIDE OF CAUDAL PEDUNCLE; PARTIALLY SEVERED LEFT LOBE OF FLUKE FLACCID, APPEARS NECROTIC.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2012	3	24	UNIDENTIFIED FISHERY INTERACTION	KING	WA	DEAD	CARCASS; CIRCULAR LINEAR IMPRESSION AT SNOUT; LEFT UPPER JAW AND LOWER JAW MISSING, BUT INJURY MOSTLY HEALED; ANIMAL THIN; FROTH FROM MOUTH	DEAD	NA	1	Y	Y
HARBOR PORPOISE	N OREGON-WA COAST	2012	6	5	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	CARCASS; GOOD TO EXCELLENT BODY CONDITION; THREE GASHES ON PEDUNCLE; POSSIBLE GASHES ON FLUKE; RUBBED AREAS ON HEAD; TEETH IN LOWER JAW DISPLACED; HEMORRHAGE ON HEAD AND LEFT MID-THORAX; LUNGS DENSE	DEAD	NA	1	Y	Y
HARBOR PORPOISE	N OREGON-WA COAST	2012	6	24	UNIDENTIFIED NET FISHERY	CLATSOP	OR	DEAD	CARCASS; RUBBED AREAS AND HEMORRHAGE ON VARIOUS AREAS OF HEAD AND BODY; ODD (KNIFE?) CUTS AND DIAGONAL, FINE-LINED, LINEAR-PATTERNED AREA ON BODY; LEFT LUNG HEAVY AND PALE	DEAD	NA	1	Y	Y
HARBOR PORPOISE	N OREGON-WA COAST	2012	8	16	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	DEAD	CARCASS; EXCELLENT BODY CONDITION; SERIES OF NON-PARALLEL CUTS AND TWO GASHES ON BODY; BLOOD IN EYES AND FROM BLOWHOLE; HEMORRHAGE ON HEAD AND SIDES OF BODY; FOAM IN LUNGS AND TRACHEA; BLOOD IN ABDOMEN; MILK IN STOMACH AND ESOPHAGUS	DEAD	NA	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2012	10	31	GILLNET FISHERY	KITSAP	WA	DEAD	CARCASS; ENTANGLED IN FREE-FLOATING GILLNET	DEAD	NA	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2012	10	31	GILLNET FISHERY	KITSAP	WA	DEAD	CARCASS; TAIL STOCK/FLUKE SEVERED; WHITE FROTH FROM BLOWHOLE; MULTIPLE LINEAR IMPRESSIONS LEADING INTO DEEP LACERATION ON RIGHT FLIPPER; RIGHT EYE PERFORATED AND PENETRATING LACERATION APPROXIMATELY 3 CM BELOW EYE; MULTIPLE NET IMPRESSIONS, ESPECIALLY ON HEAD, FLIPPER, AND DORSAL SURFACE; FOUR PENETRATING (LIKELY GAFF) WOUNDS; PARTIALLY DIGESTED FISH IN STOMACH; FOUND NEAR FREE-FLOATING GILLNET.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2012	11	1	GILLNET FISHERY	SAN JUAN	WA	DEAD	CARCASS; OBSERVED ENTANGLEMENT IN GILLNET FISHERY	DEAD	NA	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2012	11	3	GILLNET FISHERY	KITSAP	WA	DEAD	CARCASS; MONOFILAMENT LINE MARKS AROUND JAW, ROSTRUM, AND HEAD; TRAILING EDGE OF LEFT PECTORAL FIN SHEARED OFF; WRAP MARK AROUND DORSAL FIN TIP AND LEADING EDGE OF FLUKES; FROTH FROM BLOWHOLE	DEAD	NA	1	Y	Y

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Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2012	11	5	UNIDENTIFIED NET FISHERY	KITSAP	WA	DEAD	CARCASS; SLICE OF SKIN MISSING ON LEFT POSTERIOR SIDE OF FLIPPER (SIMILAR TO THREE OTHER RECENT PORPOISE STRANDINGS); VERY FAINT V-SHAPED IMPRESSION ON ROSTRUM; POSSIBLE NEW INDENTATIONS IN BOTH FLUKE AND FLIPPER; HEALED SCARS ON TAIL STOCK	DEAD	NA	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2012	11	6	UNIDENTIFIED NET FISHERY	ISLAND	WA	DEAD	CARCASS; NECROPSY PHOTOS SHOW LINE IMPRESSIONS WAPPING AROUND HEAD AND TAIL STOCK. TWO LINES COME TO A "V" SHAPE FROM A SINGLE POINT ON THE LEADING EDGE AND ACROSS THE WIDTH OF THE PECTORAL FIN. ANOTHER IMPRESSION WRAPS AROUND THE MIDDLE OF ONE OF THE FLUKES. OBVIOUS SIGNS OF FISHERIES INTERACTION BASED ON EXTERNAL AND INTERNAL OBSERVATION. A REGURGITATED FISH WAS FOUND IN THE ESOPHAGUS INDICATIVE OF STRESS AT THE TIME OF DEATH. EXCELLENT BODY CONDITION; 7.4 CM LONG CUT THROUGH SIDE OF DORSAL FIN; 13 CM LONG AREA OF LINE MARKS (AVERAGE 1.8 CM IN LENGTH AND 0.5 CM APART) ON ANTERIOR DORSAL PEDUNCLE; SOME BRUISING AT RIGHT DORSAL PEDUNCLE; HEMORRHAGING AT RIGHT SCAPULA AND SUBSCAPULA	DEAD	NA	1	Y	Y
HARBOR PORPOISE	N OREGON-WA COAST	2013	4	21	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	FAIR TO GOOD BODY CONDITION; LOWER JAW POSSIBLY PREVIOUSLY BROKEN (OR TUMOR?) AND PROTRUDING AT ANTERIOR END; TEETH GONE FROM RIGHT UPPER JAW; SOME ORGANS BRUISED/HEMORRHAGED; HEAVY RIB MARKS ON LUNGS; YELLOWISH AND PINK FOAM IN TRACHEA	DEAD	NA	1	Y	Y
HARBOR PORPOISE	N OREGON-WA COAST	2013	4	29	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	DEAD	SCAVENGING AROUND HEAD AND MOUTH; DISTENDED ABDOMEN; SUSPECT FISHERIES INTERACTION DUE TO LINEAR CUTS ON PEDUNCLE TYPICAL OF MONOFILAMENT; FULL TERM FETUS	DEAD	NA	1	Y	Y
HARBOR PORPOISE	SAN FRANCISCO-RUSSIAN RIVER	2013	6	5	UNIDENTIFIED NET FISHERY	SAN FRANCISCO	CA	DEAD	MARINE DEBRIS ENTANGLEMENT; FOUND FULLY ENCLOSED	DEAD	NA	1	N	Y
HARBOR PORPOISE	MORRO BAY	2013	7	11	MARINE DEBRIS	SAN DIEGO	CA	DEAD	OK BODY CONDITION; HEAVILY SCAVENGED; 13 CM LONG AREA OF LINE MARKS (AVERAGE 1.8 CM IN LENGTH AND 0.5 CM APART) ON DORSAL PEDUNCLE; SOME BRUISING AT RIGHT DORSAL PEDUNCLE; HEMORRHAGING AT RIGHT SCAPULA AND SUBSCAPULA	DEAD	NA	1	Y	Y
HARBOR PORPOISE	N OREGON-WA COAST	2013	8	11	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	ENTANGLEMENT SCAR.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	MORRO BAY	2013	8	30	UNIDENTIFIED NET FISHERY	SAN DIEGO	CA	DEAD	PHOTOS SHOW ENTANGLEMENT (MONOFILAMENT LINE) MARKINGS AROUND NOSE AND ACROSS ROSTRUM; DAMAGED TRAILING EDGE OF DORSAL FIN	DEAD	NA	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2013	10	25	GILLNET FISHERY	KITSAP	WA	DEAD	A DEAD HARBOR PORPOISE WAS FOUND. A NECROPSY REVEALED IMPRESSIONS CONSISTENT WITH NET ENTANGLEMENT ON THE ANIMAL.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2014	1	3	UNIDENTIFIED FISHERY INTERACTION	JEFFERSON	WA	DEAD	A HARBOR PORPOISE WAS FOUND DEAD WITH BLOODY EYES, LINE MARKS AND INDENTATIONS ALONG THE ANTERIOR EDGE OF THE FLIPPERS, CUTS AND INDENTATIONS ON THE FLUKE AND PEDUNCLE, HEMORRHAGING ON THE BODY AND ORGANS, FOAM IN LUNGS, AND OTHERWISE EXCELLENT BODY CONDITION. THE REPORTING PARTY BELIEVES THIS EVENT TO BE A FISHERY RELATED MORTALITY AND THE EVIDENCE SUPPORTS THIS CONCLUSION. THE SPECIFIC FISHERY IS UNKNOWN.	DEAD	NA	1	Y	Y



Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HARBOR PORPOISE	N OREGON-WA COAST	2014	5	16	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	DEAD	A HARBOR PORPOISE WAS FOUND DEAD WITH A SERIES OF PARALLEL MARKS ALONG ITS PEDUNCLE, BLOODY FOAM IN LUNGS, HEMORRHAGING THROUGHOUT BODY AND ORGANS, AND A BROKEN RIB. THE REPORTING PARTY BELIEVES THIS EVENT TO BE A FISHERIES RELATED MORTALITY AND THE EVIDENCE SUPPORTS THIS CONCLUSION. THE SPECIFIC FISHERY IS UNKNOWN.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	N OREGON-WA COAST	2014	5	19	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	A HARBOR PORPOISE WAS FOUND DEAD WITH A SERIES OF PARALLEL CUTS ON ITS FLUKE. THE DORSAL FIN AND RIGHT FLIPPER WERE CUT OFF. THERE WAS TREMENDOUS HEMORRHAGING THROUGHOUT THE BODY AND HEAD. THE REPORTING PARTY BELIEVES THIS EVENT TO BE A FISHERIES RELATED MORTALITY AND THE EVIDENCE SUPPORTS THIS CONCLUSION. THE SPECIFIC FISHERY IS UNKNOWN.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	SAN FRANCISCO-RUSSIAN RIVER	2014	7	24	UNIDENTIFIED NET FISHERY	SAN MATEO	CA	DEAD	SKULL HAS LARGE DEPRESSION FRACTURE WITH BONE LOSS OVER LEFT REAR OF SKULL. ALSO, DORSAL FIN, FLIPPERS, AND TAIL FLUKES APPEAR TO BE CUT OFF. VERY NEAT EDGES TO ALL FLUKES, FINS, AND FLIPPERS. NET MARKS ON CARCASS.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	N CALIFORNIA-S OREGON	2014	8	28	VESSEL STRIKE	COOS	OR	DEAD	A HARBOR PORPOISE WAS FOUND WITH MULTIPLE SEVERE PROPELLOR WOUNDS AND THE CAUDAL PEDUNCLE WAS ALSO CUT OFF. THE PORPOISE WAS OTHERWISE IN GOOD BODY CONDITION.	DEAD	NA	1	N	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2014	9	21	UNIDENTIFIED NET FISHERY	ISLAND	WA	DEAD	MONOFILAMENT IMPRESSIONS AROUND THE HEAD AND ROSTRUM.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	N OREGON-WA COAST	2014	11	5	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	A HARBOR PORPOISE WAS FOUND DEAD WITH A SERIES OF SMALL, EVENLY SPACED SLASHES ON THE LEFT SIDE OF ITS DORSAL FIN. SMALL CUTS ON ITS RIGHT SIDE, ROPE INDENTATIONS AROUND THE PEDUNCLE AND HEMORRHAGING THROUGHOUT THE BODY. THE ANIMAL WAS IN EXCELLENT BODY CONDITION. THE REPORTING PARTY BELIEVES THIS EVENT TO BE A FISHERIES RELATED MORTALITY AND THE EVIDENCE SUPPORTS THIS CONCLUSION. THE SPECIFIC FISHERY IS UNKNOWN.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	NORTHERN OREGON-WASHINGTON COAST	2015	4	2	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	DEAD	A HARBOR PORPOISE WAS FOUND DEAD WITH SIGNS THAT IT HAD BEEN ENTANGLED / ENTRAPPED BY FISHERY GEAR. THE CARCASS EXHIBITED INDENTATIONS AND ABRASIONS ON ITS FLUKE, HEMORRHAGE THROUGHOUT THE BODY, AND EXTENSIVE BLOODY FOAM IN THE MOUTH, TRACHEA, AND LUNGS.	DEAD	N/A	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2015	5	13	VESSEL STRIKE	SAN JUAN	WA	DEAD	A HARBOR PORPOISE WAS FOUND FRESHLY DEAD WITH 8 SUBSTANTIAL TRANSVERSE CUTS ON ITS DORSAL SIDE THAT APPEARED TO BE A PROPELLER INJURY.	DEAD	N/A	1	N	Y
HARBOR PORPOISE	NORTHERN OREGON-WASHINGTON COAST	2015	6	3	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	DEAD	A SUBADULT FEMALE HARBOR PORPOISE WAS FOUND DEAD. THE CARCASS EXHIBITED LINEAR MARKS ON THE VENTRAL PEDUNCLE AT THE FLUKE, HEMORRHAGE ON BOTH SIDE OF THE HEAD AND UNDER THE JAW, AND FOAM IN THE LUNGS.	DEAD	N/A	1	Y	Y
HARBOR PORPOISE	NORTHERN OREGON-WASHINGTON COAST	2015	7	27	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	A HARBOR PORPOISE CARCASS WAS FOUND IN OCEAN PARK, WA. A NECROPHY WAS CONDUCTED AND A SUBSTANTIAL AMOUNT OF WHITE FOAM WAS PRESENT IN BRONCHI, THERE WERE RIB MARKS ON THE RIGHT LUNG AND LIVER, THERE WERE SEVERAL GOUGES ON THE VENTRAL PEDUNCLE AND FLUKE, AND DAMAGE TO THE PORPOISE'S EYES.	DEAD	N/A	1	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HARBOR PORPOISE	NORTHERN OREGON-WASHINGTON COAST	2015	8	2	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	A HARBOR PORPOISE WAS FOUND DEAD. A NECROPSY IDENTIFIED BLOODY FOAM IN THE TRACHEA; HEMORRHAGING IN THE HEAD, BODY, AND ORGANS; AND INDENTATIONS ON THE DORSAL AND VENTRAL PEDUNCLE.	DEAD	N/A	1	Y	Y
HARBOR PORPOISE	NORTHERN OREGON-WASHINGTON COAST	2015	8	19	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	DEAD	A HARBOR PORPOISE WAS FOUND DEAD AND IN GOOD BODY CONDITION WITH WHITE FOAM IN BOTH LUNGS, RIB MARKS ON ITS INTERNAL ORGANS, AND ODD INDENTATIONS ON THE DORSAL PEDUNCLE.	DEAD	N/A	1	Y	Y
HARBOR PORPOISE	MONTEREY	2015	8	26	HOOK AND LINE FISHERY	MONTEREY	CA	DEAD	FRESHLY-DEAD PORPOISE FOUND FLOATING IN HARBOR. FISHING LINE STUCK IN MOUTH.	DEAD	NA	1	N	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2015	10	14	UNIDENTIFIED FISHERY INTERACTION	KITSAP	WA	DEAD	AN ADULT MALE HARBOR PORPOISE WAS DISCOVERED DEAD. IT APPEARED THAT THE ANIMAL DIED AS A RESULT OF A FISHERY INTERACTION (ENTANGLEMENT AND GAFFING). THE ANIMAL EXHIBITED MULTIPLE LINEAR IMPRESSIONS THAT TURNED INTO LACERATIONS AT THE MOUTH, ROSTRUM, FLUKE, DORSAL FIN, AND FLIPPER. THERE WERE THREE PUNCTURES ON THE ANIMAL'S LEFT SIDE, ONE OF WHICH TRACKED INTO THE BRAIN. NECROPSY SHOWED THAT THE PRIMARY CAUSE OF DEATH APPEARED TO BE GAFFING. THERE WERE ACTIVE FISHERIES OCCURRING AT THE TIME OF THIS STRANDING.	DEAD	N/A	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2015	11	4	UNIDENTIFIED FISHERY INTERACTION	KITSAP	WA	DEAD	AN ADULT FEMALE HARBOR PORPOISE WAS FOUND DEAD WITH LINEAR LACERATIONS ON BOTH SIDES OF THE HEAD. THERE WAS ALSO A CLEANLY CUT FILET REMOVED FROM THE ANIMAL AND THE RIGHT BACKSTRAP WAS ALSO REMOVED. THIS IS ONE OF THREE PORPOISE FOUND AT THE SAME TIME AND LOCATION, ALL BELIEVED TO HAVE BEEN ENTANGLED IN FISHING GEAR.	DEAD	N/A	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2015	11	4	UNIDENTIFIED FISHERY INTERACTION	KITSAP	WA	DEAD	AN ADULT FEMALE HARBOR PORPOISE WAS FOUND DEAD. THERE WERE LINEAR LACERATIONS ON BOTH SIDES OF THE HEAD AND DOWN BOTH SIDES OF ITS BODY, WITH MORE LACERATIONS ON THE RIGHT SIDE OF THE BODY. THERE WERE ALSO IMPRESSIONS, NICKS, AND CUTS ON THE FLUKE. THIS IS ONE OF THREE PORPOISE FOUND AT THE SAME TIME AND LOCATION, ALL BELIEVED TO HAVE BEEN ENTANGLED IN FISHING GEAR.	DEAD	N/A	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2015	11	4	UNIDENTIFIED FISHERY INTERACTION	KITSAP	WA	DEAD	AN ADULT FEMALE HARBOR PORPOISE WAS FOUND DEAD, WITH LACERATIONS AND IMPRESSIONS ON BOTH SIDES OF ITS HEAD AND BODY. THERE WERE NICKS AND LACERATIONS ON BOTH THE LEFT AND RIGHT FLIPPER. THIS IS ONE OF THREE PORPOISE FOUND AT THE SAME TIME AND LOCATION, ALL BELIEVED TO HAVE BEEN ENTANGLED IN FISHING GEAR.	DEAD	N/A	1	Y	Y
HARBOR PORPOISE	SAN FRANCISCO-RUSSIAN RIVER	2015	11	15	GILLNET FISHERY	MARIN	CA	ALIVE	ENTANGLEMENT SCARS, DIED AFTER TRANSFER TO REHAB FACILITY.	DEAD	S1	1	Y	Y
HARBOR PORPOISE	NORTHERN OREGON - WASHINGTON COAST	2016	2	16	UNIDENTIFIED NET FISHERY	NA	OR	DEAD	A HARBOR PORPOISE WAS FOUND STRANDED IN A STATE OF MODERATE DECOMPOSITION. THE PORPOISE DISPLAYED EVENLY SPACED INDENTATIONS ON ITS FLUKE AND A SUBDERMAL HEMATOMA AT THE BASE OF THE HEAD.	DEAD	NA	1	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HARBOR PORPOISE	NORTHERN OREGON - WASHINGTON COAST	2016	5	22	UNIDENTIFIED NET FISHERY	NA	OR	DEAD	A HARBOR PORPOISE WAS FOUND STRANDED AND IN A STATE OF MODERATE DECOMPOSITION. THE CARCASS DISPLAYED LONG KNIFE CUTS ON THE BODY AND THE DORSAL FIN WAS CUT OFF. THERE WAS HEMORRAGE THROUGHOUT THE HEAD AND BODY, AND SUBSTANTIAL SUBSCAPULAR HEMATOMA. THE ANIMAL HAD A FISH LODGED IN ITS THROAT AND WAS IN GOOD BODY CONDITION.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	NORTHERN OREGON - WASHINGTON COAST	2016	7	3	UNIDENTIFIED NET FISHERY	NA	OR	DEAD	A HARBOR PORPOISE WAS DISCOVERED FRESH DEAD WITH TWO LINEAR MARKS ALONG THE DORSAL PEDUNCLE IN ADDITION TO OTHER POTENTIAL NET MARKS. A NECROPSY WAS CONDUCTED, AND THE PORPOISE WAS DETERMINED TO HAVE ASPHYXIATED ON FISH, LIKELY WHILE ENTANGLED IN FISHING GEAR.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	NORTHERN OREGON - WASHINGTON COAST	2016	7	16	UNIDENTIFIED NET FISHERY	NA	OR	DEAD	A HARBOR PORPOISE WAS DISCOVERED STRANDED, IN ADVANCED DECOMPOSITION. A FISH WAS LODGED IN THE ANIMAL'S THROAT, AND THE CARCASS DISPLAYED DISTINCTLY PATTERNED MARKS ON BODY, GASHES, AND EXTENSIVE HEMORRAGE THROUGHOUT BODY. CARCASS WAS OTHERWISE IN GOOD BODY CONDITION.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2016	10	31	GILLNET FISHERY	NA	WA	DEAD	A HARBOR PORPOISE CALF WAS FOUND STRANDED AND FRESHLY DEAD. THE ANIMAL DISPLAYED EVIDENCE OF NET ENTANGLEMENT, AND THERE WERE CLEAR LINE IMPRESSIONS AROUND THE ANIMAL'S HEAD, RIGHT FLAPPER, AND LEADING AND TRAILING EDGES OF FLUKES. GILLNET FISHERY WAS NOTED TO BE OCCURRING IN THE AREA.	DEAD	NA	1	Y	Y
HARBOR PORPOISE	WASHINGTON INLAND WATERS	2016	11	7	GILLNET FISHERY	NA	WA	DEAD	A HARBOR PORPOISE WAS ENTANGLED AND KILLED IN A GILLNET	DEAD	NA	1	Y	Y
HARBOR PORPOISE	NORTHERN OREGON - WASHINGTON COAST	2016	12	11	UNIDENTIFIED FISHERY INTERACTION	NA	OR	DEAD	A HARBOR PORPOISE WAS FOUND IN A STATE OF MODERATE DECOMPOSITION AND NECROPSIED. THE ANIMAL'S LEFT PECTORAL FIN WAS AMPUTATED. THERE WAS ALSO TOOTH DAMAGE, FOAM IN THE TRACHEA, AND HEMORRAGE THROUGHOUT THE BODY. OTHERWISE, THE ANIMAL WAS IN EXCELLENT BODY CONDITION.	DEAD	NA	1	Y	Y
HARBOR SEAL	CALIFORNIA	2012	1	2	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM. ANIMAL RELEASED AT BEACH WITH NO INJURIES.	NSI	P9	0	N	N
HARBOR SEAL	SOUTHERN PUGET SOUND	2012	1	6	SHOOTING	PIERCE	WA	DEAD	CARCASS; RADIOGRAPH SHOWED BULLET IN HEAD AND COMPOUND SKULL FRACTURE; MARKED HEMORRAGE IN BRAIN CAVITY; STOMACH HAD PARTIALLY DIGESTED FISH	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	1	22	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	2	2	HARASSMENT	SANTA BARBARA	CA	SI	UNWEANED PUP SEPARATED FROM MOTHER BY DOGS NOT UNDER CONTROL OF OWNER. ANIMAL DIED IN REHAB CENTER.	DEAD	P14	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2012	2	4	SHOOTING	LINCOLN	OR	DEAD	CARCASS; LIKELY GUNSHOT WOUND TO ORBITAL AREA OF LEFT EYE--SHATTERED ETHMOID, LACRIMAL, AND ZYGOMATIC BONES	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	2	6	HARASSMENT	SANTA BARBARA	CA	SI	UNWEANED PUP SEPARATED FROM MOTHER BY DOGS NOT UNDER CONTROL OF OWNER. ANIMAL RELEASED FROM REHABILITATION CENTER. TAGGED WITH ROTOTAG # 17896	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	2	11	HARASSMENT	SANTA BARBARA	CA	SI	UNWEANED PUP SEPARATED FROM MOTHER BY DOGS NOT UNDER CONTROL OF OWNER. ANIMAL RELEASED FROM REHABILITATION CENTER. TAGGED WITH ROTOTAG # 17897	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	2	24	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HARBOR SEAL	CALIFORNIA	2012	3	3	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2012	3	10	SHOOTING	CLATSOP	OR	DEAD	CARCASS; BULLET HOLES AND TRACKS WITH ASSOCIATED HEMORRHAGING	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	4	1	HOOK AND LINE FISHERY	KING	WA	DEAD	CARCASS; ENTANGLED IN MONOFILAMENT LINE	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	4	3	HARASSMENT	SAN LUIS OBISPO	CA	NSI	HARASSED, ILLEGAL PICK-UP, TRANSFERRED TO REHAB FACILITY, TREATED AND RELEASED.	NSI	P9	0	N	N
HARBOR SEAL	CALIFORNIA	2012	4	5	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	4	11	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM. RELEASED TO BEACH WITHOUT INJURIES.	NSI	P9	0	N	N
HARBOR SEAL	CALIFORNIA	2012	4	13	HARASSMENT	MONTEREY	CA	SI	HARASSED; ILLEGAL PICK UP; MATERNAL SEPARATION; 3 INCH LONG WET UMBILICUS PRESENT; GOOD BODY CONDITION; NON-RESPONSIVE, NOT VOCAL, SHIVERING; ANIMAL TRANSFERRED TO REHAB FACILITY, WHERE IT DIED	DEAD	P14	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2012	4	15	HOOK AND LINE FISHERY	GRAYS HARBOR	WA	DEAD	CARCASS; FISHING LINE FOUND IN INTESTINE OF ANIMAL; PERITONITIS AND BUNCHED UP INTESTINE AT LOCATION OF FISHING LINE OBSTRUCTION	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	4	20	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM. RELEASED TO BEACH WITHOUT INJURIES.	NSI	P9	0	N	N
HARBOR SEAL	CALIFORNIA	2012	4	24	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL FOUND IN POWER PLANT INTAKE SYSTEM	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	5	12	HARASSMENT	DEL NORTE	CA	NSI	ILLEGAL PICK UP BY MEMBER OF PUBLIC, WHO WAS INSTRUCTED TO RETURN IT TO WHERE IT WAS FOUND; ILLEGAL PICK UP AND RELOCATION BY ANOTHER COUPLE, WHO CALLED IT IN AS A STRANDING; TAGGED WITH ORANGE ROTOTAG #7553	NSI	P9	0	N	N
HARBOR SEAL	OREGON- WASHINGTON COAST	2012	5	19	SHOOTING	PACIFIC	WA	DEAD	CARCASS; SHOT IN NECK/SCAPULAE AREAS; EXCELLENT BODY CONDITION; UTERUS DISTENDED; MILK IN MAMMARY GLANDS	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2012	5	21	VEHICLE COLLISION	PACIFIC	WA	DEAD	CARCASS; CAUSE OF DEATH APPEARS TO BE TRAUMA FROM SMALL-WHEELED VEHICLE; LEFT EYE BULGING; TONGUE BITTEN; ABRASIONS ALL ALONG VENTRAL SIDE, HAIR RUBBED OFF IN 4-CM-WIDE, 51-CM-LONG STRIPE	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	5	23	VESSEL STRIKE	DEL NORTE	CA	SI	BOAT STRIKE CAUSING SEVERE HEAD TRAUMA, LABORED BREATHING, AND BILATERAL MAXILLARY FRACTURES; ANIMAL DIED IN REHAB FACILITY; CAUSE OF DEATH = SEVERE HEAD TRAUMA	DEAD	P15	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	6	14	HOOK AND LINE FISHERY	SAN FRANCISCO	CA	SI	MEMBER OF PUBLIC SCOOPED ANIMAL OUT OF WATER WITH NET, REMOVED FISHING HOOK, LINE, AND WEIGHT AND THREW THEM BACK INTO WATER, AND PLACED ANIMAL ON DOCK; MILDLY UNDERWEIGHT, ACTIVE, ALERT; SMALL ABRASION ON LOWER LIP; TRANSFERRED TO REHAB, TREATED AND RELEASED.	NSI	P5C	0	N	N
HARBOR SEAL	CALIFORNIA	2012	6	15	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2012	6	16	HOOK AND LINE FISHERY	GRAYS HARBOR	WA	SI	NO SIGNS OF TRAUMA, EYES CLEAR AND ALERT, SHAKING; DIED OVERNIGHT; FOUND APPROXIMATELY 6 INCHES OF FISHING LINE IN STOMACH; POSSIBLY ATTACKED BY DOG WHILE STILL ALIVE	DEAD	P2, P9	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	6	18	SHOOTING	ISLAND	WA	DEAD	CARCASS; GUNSHOT TO HEAD, JUST BEHIND EYES; BULLET EXITED ON OTHER SIDE	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2012	6	18	SHOOTING	PACIFIC	WA	DEAD	CARCASS; TWO BULLET HOLES IN NECK WITH ASSOCIATED HEMORRHAGE; ABDOMINAL ORGANS HEMORRHAGED; BRUISING ALONG DORSAL SPINE; GOUGE MARK ON RIGHT VENTRAL HIND FLIPPER	DEAD	NA	1	N	Y

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HARBOR SEAL	CALIFORNIA	2012	7	2	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM. RELEASED TO BEACH.	NSI	P9	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	7	8	HARASSMENT	SKAGIT	WA	SI	PUBLIC USE OF BEACH SEPARATED MOTHER AND PUP; PUP DIED	DEAD	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	7	13	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	7	15	NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT. EXACT DATE NOT GIVEN, THUS MID-MONTH (DAY=15) IS USED.	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST NORTHERN INLAND WATERS	2012	7	15	NORTHERN WASHINGTON OCEAN TROLL FISHERY, TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT. EXACT DATE NOT GIVEN, THUS MID-MONTH (DAY=15) IS USED.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	8	1	DOG ATTACK	SNOHOMISH	WA	SI	LIVE PUP HAD SEVERAL PUNCTURE WOUNDS FROM DOG ATTACK; TRANSFERRED TO REHAB AND DIED	DEAD	P9	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	8	1	DOG ATTACK	SNOHOMISH	WA	SI	LIVE PUP HAD 5 PUNCTURE WOUNDS (2 ON LEFT HIP, 2 ON RIGHT HIP, AND A DEEP ONE ON LEFT LATERAL SIDE) FROM DOG ATTACK; TRANSFERRED TO REHAB AND DIED	DEAD	P9	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	8	11	VESSEL STRIKE	SAN JUAN	WA	DEAD	PUP SUCKED INTO INTAKE VALVE OF IDLING, LARGE, COMMERCIAL CATAMARAN; DECAPITATED CARCASS HAD SEMICIRCULAR LACERATIONS ON THORAX	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	8	12	SHOOTING	WHATCOM	WA	DEAD	CARCASS; ADULT FEMALE WITH MULTIPLE GUNSHOT WOUNDS.	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST SOUTHERN PUGET SOUND	2012	8	14	SHOOTING	PACIFIC	WA	DEAD	CARCASS; CLEAR ENTRANCE/EXIT BULLET HOLES IN BODY WITH ASSOCIATED HEMORRHAGE AND THREE BROKEN RIBS	DEAD	NA	1	N	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2012	8	18	GILLNET FISHERY, TRIBAL	THURSTON	WA	DEAD	CARCASS; ONE OF FOUR PUPS CAUGHT IN TRIBAL GILLNET	DEAD	NA	1	N	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2012	8	18	GILLNET FISHERY, TRIBAL	THURSTON	WA	DEAD	CARCASS; ONE OF FOUR PUPS CAUGHT IN TRIBAL GILLNET	DEAD	NA	1	N	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2012	8	18	GILLNET FISHERY, TRIBAL	THURSTON	WA	DEAD	CARCASS; ONE OF FOUR PUPS CAUGHT IN TRIBAL GILLNET	DEAD	NA	1	N	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2012	8	18	GILLNET FISHERY, TRIBAL	THURSTON	WA	DEAD	CARCASS; ONE OF FOUR PUPS CAUGHT IN TRIBAL GILLNET	DEAD	NA	1	N	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2012	8	20	SHOOTING	PIERCE	WA	DEAD	CARCASS; TRACKING WOUND; MARKED HEMORRHAGE FROM ENTRY WOUND IN FRONT OF LEFT EAR TO BEHIND LEFT EYE, WHERE PELLET WAS LODGED IN SKULL	DEAD	NA	1	N	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2012	8	20	VESSEL STRIKE	PIERCE	WA	DEAD	PUP OBSERVED STRUCK BY VESSEL; CARCASS FOUND ON BEACH NEXT DAY WITH TWO, LARGE, PARALLEL (CRESCENT-SHAPED), PENETRATING LACERATIONS--TRANSVERSE TO THE RIGHT DORSAL SIDE	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	8	21	VESSEL STRIKE	SAN MATEO	CA	SI	SEVERAL GASHES ON STOMACH; LETHARGIC, ALLOWING PEOPLE TO APPROACH; DIED IN REHAB	DEAD	P15	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2012	9	2	SHOOTING	CLATSOP	OR	DEAD	CARCASS; VERY GOOD BODY CONDITION; DISTINCT BULLET HOLE AT LEFT DORSAL NASAL AREA AND EXIT WOUND AT PALATE; EXTENSIVE TRAUMA ALONG ENTIRE LEFT SIDE AND ON RIGHT VENTRAL SURFACE, PROBABLY DUE TO A SECOND BULLET	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	9	4	VESSEL STRIKE	SAN JUAN	WA	DEAD	DEAD PUP WITH TWO SYMMETRICAL CUTS ACROSS ABDOMEN CONSISTENT WITH PROPELLER WOUNDS; MULTIPLE RIB FRACTURES ASSOCIATED WITH EXTERNAL WOUNDS; LACERATIONS OF HEART, RIGHT LUNG, SPLEEN, AND LIVER; HEMORRHAGE OF RIGHT ADRENAL AND LEFT KIDNEY	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2012	9	6	SHOOTING	PACIFIC	WA	DEAD	CARCASS; CLEAR BULLET HOLE IN NECK; SKULL SHATTERED	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	9	8	VESSEL STRIKE	JEFFERSON	WA	DEAD	CARCASS; TWO DEEP LACERATIONS APPROXIMATELY 12 INCHES APART; ANTERIOR LACERATION SEVERED RIBS, LUNG, AND LIVER ON RIGHT SIDE; POSTERIOR LACERATION SEVERED LUMBAR SPINE, SPINAL CORD, AND COLON	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	9	15	DOG ATTACK	WHATCOM	WA	SI	LIVE PUP WITH BITE WOUNDS DIED DURING EXAM; MALNUTRITION COMPLICATED BY BITE WOUNDS WAS SUSPECTED CAUSE OF DEATH	DEAD	P9	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	9	18	VESSEL STRIKE	PIERCE	WA	DEAD	DEAD PUP WITH CURVED WOUNDS AND IMPRESSIONS	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	9	20	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CONSISTENT WITH PROPELLER INJURIES	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2012	9	22	SHOOTING/HOOK AND LINE FISHERY	CLATSOP	OR	DEAD	ANIMAL FOUND IN POWER PLANT INTAKE SYSTEM	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	9	24	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS; ANIMAL VERY THIN; THREE FISH HOOKS LOOSE IN STOMACH; SHOTGUN PELLETS IN LEFT NOSE; SUBSTANTIAL HOLE IN LEFT ORBITAL BONE, WITH ASSOCIATED HEMORRHAGE; HEMORRHAGE AROUND BOTH EYE SOCKETS AND SIDES OF NOSE; SUSPICIOUS HOLE MIDWAY ALONG BLADDER	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2012	9	26	SHOOTING	PACIFIC	WA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	10	4	GILLNET FISHERY	JEFFERSON	WA	DEAD	CARCASS; PENETRATING WOUND ON LEFT CHEEK, APPROXIMATELY 3 CM BELOW EYE, WITH TRACKING WOUND INTO UPPER CHEEK	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2012	10	15	HOOK AND LINE FISHERY	GRAYS HARBOR	WA	DEAD	CARCASS; DIAMOND-SHAPED PATTERN IMPRINTED ON PELT; HISTOPATHOLOGY CONFIRMED PULMONARY HEMORRHAGE AND CONGESTION.	DEAD	NA	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	10	15	NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	CLALLAM	WA	DEAD	CARCASS; TWO FISH HOOKS WITH FISHING LINE FOUND IN STOMACH; NO INDICATION OF INFECTION IN STOMACH; LINEAR LACERATION INSIDE MOUTH, POSSIBLY FROM INGESTED FISH HOOKS	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	10	15	NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT. EXACT DATE NOT GIVEN, THUS MID-MONTH (DAY=15) IS USED.	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2012	10	17	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	FISHERMAN SELF REPORT. EXACT DATE NOT GIVEN, THUS MID-MONTH (DAY=15) IS USED.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2012	10	25	VESSEL STRIKE	WHATCOM	WA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM. RELEASED ALIVE TO BEACH.	NSI	P9	0	N	N
HARBOR SEAL	OREGON-WASHINGTON COAST	2012	11	4	SHOOTING	LINCOLN	OR	DEAD	CARCASS; GOOD BODY CONDITION; FLESH MISSING FROM SKULL, ENDING IN CONCISE LINE BEHIND SKULL; TOP OF SKULL INTACT WITH BROKEN SHARD COVERING BOTTOM HALF OF BRAIN; LEFT HIP/UPPER LEG BONE PROTRUDING FROM BODY	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2013	1	28	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	CARCASS; GUNSHOT WOUND TO HEAD; ENTRY WOUND JUST VENTRAL AND CAUDAL TO RIGHT LOWER JAW; EXIT WOUND AT LOWER LEFT JAW; FRACTURED DENTARY	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2013	1	28	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM; RELEASED TO BEACH.	NSI	P9	0	N	N
HARBOR SEAL	CALIFORNIA	2013	2	7	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM; RELEASED TO BEACH	NSI	P9	0	N	N
HARBOR SEAL	CALIFORNIA	2013	2	13	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2013	2	25	HARASSMENT	MONTEREY	CA	SI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM; NO INJURIES; RELEASED TO BEACH	NSI	P9	0	N	N
HARBOR SEAL	CALIFORNIA	2013	2	25	HARASSMENT	MONTEREY	CA	SI	ILLEGAL PICK UP; MATERNAL SEPARATION; PICKED UP OUT OF SURF BY MEMBER OF PUBLIC AND PLACED AGAINST SIDE OF CLIFF; LANUGO COAT, UMBILICUS PRESENT; MODERATELY UNDERWEIGHT	SI	P14	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

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HARBOR SEAL	CALIFORNIA	2013	3	9	HARASSMENT	HUMBOLDT	CA	SI	MATERNAL SEPARATION; ILLEGAL PICK UP BY PUBLIC WHO KEPT IT IN BATHTUB FOR UNDISCLOSED AMOUNT OF TIME; FEVER, UNDERWEIGHT; VOLUNTEERS PUT PUP BACK WHERE IT WAS FOUND; WHEN MOTHER DID NOT RETURN, PUP WAS TRANSFERRED TO REHAB	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2013	3	12	HARASSMENT	SAN DIEGO	CA	SI	MATERNAL SEPARATION; BROUGHT TO LIFE GUARDS; THIN, DEHYDRATED	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2013	3	12	HARASSMENT	MONTEREY	CA	SI	ILLEGAL PICK UP; MATERNAL SEPARATION; HARASSED; WRAPPED IN TOWEL AND MOVED TOWARD PARKING LOT BY MEMBER OF PUBLIC; LANUGO COAT; 3-INCH FRESH PINK UMBILICUS; EMACIATED	SI	P14	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2013	3	17	SHOOTING	PACIFIC	WA	DEAD	EXCELLENT BODY CONDITION; ALMOST ENTIRE SKULL "BLOWN AWAY"; SOME HEMORRHAGE IN BODY; BLOODY FLUID IN THORACIC AND ABDOMINAL CAVITIES; UTERUS/FETUS COMPLETELY DETACHED AND UTERUS TORN; INTESTINES TWISTED	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2013	3	19	SHOOTING	PACIFIC	WA	DEAD	EXCELLENT BODY CONDITION AND BLUBBER LAYER; 7 X 8 CM HOLE IN DORSAL SKULL; ENTIRE SKULL SHATTERED; LEFT EYE BLOODY; RIGHT EYE GONE; BLOOD FROM NOSE AND MOUTH; BLOOD IN THORACIC AND ABDOMINAL CAVITIES	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2013	3	24	SHOOTING	PACIFIC	WA	DEAD	EXCELLENT BODY CONDITION; SHOTGUN PELLET HOLES THROUGH SKIN OF HEAD AND MOUTH; PELLET HOLES IN SKULL; HEMORRHAGE IN SOME ORGANS AND VARIOUS AREAS OF BODY; MODERATE BLOOD IN THORACIC AND ABDOMINAL CAVITIES	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2013	4	2	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2013	4	2	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2013	4	6	HARASSMENT	MONTEREY	CA	SI	ILLEGAL PICK UP; MATERNAL SEPARATION; HARASSED; PICKED UP BY PUBLIC, WRAPPED IN TOWEL, AND PLACED ELSEWHERE ON BEACH; EMACIATED	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2013	4	6	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2013	4	10	SHOOTING	COWLITZ	WA	DEAD	X-RAY REVEALED BULLET AND POSSIBLE FRAGMENTS IN PELVIC AREA, BULLET/PELLET FRAGMENTS IN SKULL	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2013	4	17	SHOOTING	CLATSOP	OR	DEAD	GOOD BODY CONDITION; EYES BULGING; BLOOD FROM NOSE AND MOUTH; TREMENDOUS DEEP HEMORRHAGE IN HEAD, NECK, AND VARIOUS AREAS OF BODY AS WELL AS SOME INTERNAL ORGANS; BLOOD IN THORACIC CAVITY; INTESTINES TWISTED	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2013	5	20	SHOOTING	CLATSOP	OR	DEAD	EXCELLENT BODY CONDITION; SKULL EXPOSED; BULLET FOUND IN BODY; BULLET HOLES IN SKULL AND BODY; SPINE FRACTURED FROM BULLET; PELVIS FRACTURED; TREMENDOUS HEMORRHAGE THROUGHOUT MUCH OF ANIMAL; GENITAL AREA SWOLLEN; INTESTINES AND FETUS TWISTED	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2013	5	30	HOOK AND LINE FISHERY	PACIFIC	WA	DEAD	HEAD REMOVED, FISH HOOK AND LINE IN INTESTINES; VERTEBRAE APPEARED BROKEN AT POSTERIOR END OF ANIMAL WITH ASSOCIATED HEMORRHAGE; LEFT SIDE OF PELVIS HEMORRHAGED; ABDOMINAL ORGANS BROWNISH GRAY AND SOUPY AS IF AFFECTED BY GASTRIC FLUID	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	6	8	HARASSMENT	PIERCE	WA	NSI	HARASSMENT; MEMBERS OF PUBLIC PUSHED PUP ON BEACH BACK INTO WATER; POSSIBLE ACOUSTIC HARASSMENT; ACTIVE PILE-DRIVING IN VICINITY OF BEACH	NSI	P9	0	N	N

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
									HARASSMENT; REPORTS THAT MEMBERS OF PUBLIC WERE PUTTING PUP BACK IN WATER; NO SIGN OF FEMALE					
HARBOR SEAL	SOUTHERN PUGET SOUND	2013	6	9	HARASSMENT	PIERCE	WA	NSI	ATTENDING PUP; NUMEROUS PEOPLE AND DOGS PRESENT	NSI	P9	0	N	N
HARBOR SEAL	CALIFORNIA	2013	6	25	DOG ATTACK	HUMBOLDT	CA	SI	DOG BITES, NO OTHER DETAILS PROVIDED.	SI	P9	1	N	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2013	6	27	AQUACULTURE FACILITY ENTANGLEMENT	MASON	WA	DEAD	FOUND ENTANGLED IN GEODUCK AQUACULTURE NETTING; LINEAR IMPRESSION ACROSS NECK AT BASE OF LOWER JAW, SWELLING IN NECK AND SHOULDER AREA, NAIL BROKEN ON FIRST DIGIT OF RIGHT FLIPPER, AND WATER AT BASE OF LUNGS CONSISTENT WITH ENTANGLEMENT AND SUBSEQUENT DROWNING; INSIDE OF LIPS BLUE; CONJUNCTIVA RED BLOOD COMING FROM NOSE; HIND FLIPPERS SWOLLEN	DEAD	NA	1	Y	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2013	7	1	HARASSMENT	THURSTON	WA	SI	ILLEGAL PICK UP; MATERNAL SEPARATION; PUP WAS FREQUENTLY HAULING OUT NEAR BOATS BUT FEMALE WAS COMING AT NIGHT TO FEED IT	SI	P14	1	N	Y
HARBOR SEAL	HOOD CANAL	2013	7	1	HARASSMENT	MASON	WA	SI	ILLEGAL PICK UP; MEMBER OF PUBLIC CONTINUED TO FEED AND HOLD PUP AFTER REPEATEDLY ADVISED NOT TO; PUP ABANDONED DUE TO HUMAN INTERFERENCE AND POSSIBLY PREMATURITY	SI	P14	1	N	Y
HARBOR SEAL	HOOD CANAL	2013	7	4	HARASSMENT	JEFFERSON	WA	SI	ILLEGAL PICKUP; MEMBERS OF PUBLIC REFUSED TO RETURN NEWBORN PUP TO BEACH; MATERNAL SEPARATION	SI	P14	1	N	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2013	7	9	DOG ATTACK	PIERCE	WA	NSI	ATTACKED ON PUBLIC BEACH BY OFF-LEASH DOG; PUP HAD A COUPLE OF SMALL PUNCTURES ON LEFT HIND FLIPPER; SLIGHTLY THIN, WITH WHITE STUB OF UMBILICUS; RELOCATED TO GERTRUDE ISLAND	NSI	P9	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	7	13	HARASSMENT	SAN JUAN	WA	NSI	HARASSMENT; MEMBER OF PUBLIC SEEN CLIMBING OUT TO TOUCH SEAL PUP	NSI	P9	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	7	15	HARASSMENT	SAN JUAN	WA	NSI	HARASSMENT; MEMBERS OF PUBLIC WERE TOUCHING AND PICKING UP PUP; PUP WAS GIVEN FLUIDS	NSI	P9	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	7	16	HARASSMENT	KITSAP	WA	NSI	MATERNAL SEPARATION; MEMBERS OF PUBLIC WERE REPORTED HARASSING PUP ON BEACH AND NOT ALLOWING IT TO REST; UMBILICUS PRESENT; RELOCATED TO REHAB	SI	P14	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	7	17	HARASSMENT	SAN JUAN	WA	SI	MATERNAL SEPARATION; REPORTS OF PUBLIC HARASSING PUP OVER 2.5 DAYS; RELOCATED TO REHAB	SI	P14	1	N	Y
HARBOR SEAL	HOOD CANAL	2013	7	21	HARASSMENT	JEFFERSON	WA	SI	MATERNAL SEPARATION; REPORTS THAT PUP WAS ILLEGALLY PICKED UP AND HANDLED BY PUBLIC, MOVED FROM ROCK JETTY TO SHORE; UMBILICUS ATTACHED	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2013	7	28	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE WAS REMOVED FROM ANIMAL'S TORSO; LACERATION ALL THE WAY AROUND THE BODY CUTTING INTO MUSCLE ABOVE THE FRONT RIGHT FLIPPER	NSI	P7B, P8A	0	N	N
HARBOR SEAL	SOUTHERN PUGET SOUND	2013	7	29	VESSEL STRIKE	PIERCE	WA	SI	PUP REPORTED HIT BY A BOAT AND RESCUED FROM A GROUP OF TEENAGERS ATTEMPTING TO BEAT IT WITH OARS.	SI	P15	1	N	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2013	7	31	HARASSMENT	PIERCE	WA	SI	MATERNAL SEPARATION; PUP BORN ON DOCK AT BUSY BAY; MOTHER NEVER RETURNED; RELOCATED TO GERTRUDE ISLAND HARBOR SEAL HAULOUT; EAGLE OBSERVED SCAVENGING ON IT NEXT TO DOCK	DEAD	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2013	8	2	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	8	3	HARASSMENT	KING	WA	SI	MATERNAL SEPARATION; BOATERS HARASSED PUP; PUP WAS ABANDONED; ANIMAL TRANSFERRED TO REHAB; OUTCOME UNKNOWN.	SI	P14	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	8	3	HARASSMENT	KITSAP	WA	SI	PUP EUTHANIZED DUE TO ABANDONMENT AND INFECTION, BUT HARASSMENT MAY HAVE CONTRIBUTED TO ABANDONMENT	DEAD	P14	1	N	Y



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HARBOR SEAL	SOUTHERN PUGET SOUND	2013	8	3	HARASSMENT	PIERCE	WA	SI	MATERNAL SEPARATION; HARASSMENT; PUP AT HAULOUT/ROOKERY AREA WITH VERY HIGH LEVELS OF DISTURBANCE BY HUMANS AND DOGS; MEMBERS OF PUBLIC OBSERVED NEAR SEAL, KICKING/NUDGING IT; THIN PUNCTURE ON HIND FLIPPER; RELOCATED TO GERTRUDE ISLAND HARBOR SEAL HAULOUT; FOUND DEAD 2 DAYS LATER.	DEAD	P14	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2013	8	3	SHOOTING	CLATSOP	OR	DEAD	EXCELLENT BODY CONDITION; BULLET HOLES; HEMORRHAGE; BROKEN BONES	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	8	4	GILLNET FISHERY, TRIBAL	KITSAP	WA	DEAD	CREASES AROUND NOSE INDICATIVE OF ENTANGLEMENT; LEFT EYE BULGING SLIGHTLY; BLOOD AROUND NOSE AND MOUTH; CAUSE OF DEATH = PROBABLE ENTANGLEMENT	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	8	5	SHOOTING	WHATCOM	WA	DEAD	CARCASS; FRESH DEAD; APPEARED HEALTHY; FOUND BULLET HOLE BUT NO BULLET	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	8	7	HARASSMENT	WHATCOM	WA	SI	HARASSMENT BY MEMBERS OF PUBLIC AND DOGS; THIN, DEHYDRATED SEAL WAS TRANSFERRED TO REHAB, TREATED, AND RELEASED	NSI	P9	0	N	N
HARBOR SEAL	SOUTHERN PUGET SOUND	2013	8	7	VESSEL STRIKE	THURSTON	WA	DEAD	PROPELLER MARKS ON BACK, HEAD, AND PELVIC AREA SLICED THROUGH BONE AND MAJOR ORGANS; MASSIVE INTERNAL DAMAGE PREMORTEM; CHOP MARKS ON RIGHT SIDE OF NECK (APPROX. 5 CM LONG), FROM MID-BACK TO TOP OF HEAD THROUGH SKULL AND BONE (APPROX. 18 CM LONG), AND ACROSS LEFT SHOULDER (APPROX. 9 CM LONG); SLICE ALONG DORSAL RIGHT PELVIC AREA AND ON LEFT SEVERED L FEMUR (APPROX. 12 CM LONG)	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	8	9	HARASSMENT	CLALLAM	WA	SI	REPORTS OF MEMBERS OF PUBLIC PICKING UP, HANDLING, APPROACHING, AND THROWING ROCKS AT SEAL PUP; WEANED PUP WITH ALL TEETH ERUPTED	DEAD	P14	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	8	23	UNIDENTIFIED FISHERY INTERACTION	CLALLAM	WA	DEAD	CARCASS; HEAD HAD BEEN CUT OFF WITH SHARP INSTRUMENT; GOOD BODY CONDITION; RED FROTH IN TRACHEA.	DEAD	NA	1	Y	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2013	8	28	MARINE DEBRIS	MASON	WA	DEAD	SEAL WAS TRAPPED INSIDE THE LEG OF A SMALL PAIR OF JEANS; INTERNAL PATTERNS OF BRUISING SUGGEST ANIMAL SWAM INTO WAIST OF THE JEANS, BECAME STUCK IN THE NARROW PART OF ONE OF THE LEGS, AND DIED.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	8	30	HARASSMENT	SKAGIT	WA	SI	ILLEGAL PICK UP; MATERNAL SEPARATION; MEMBER OF PUBLIC PICKED UP SEAL PUP ON SANDBAR IN RIVER AND PUT IT IN HIS BOAT; WDFW OFFICER REMOVED PUP FROM BOAT	SI	P14	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2013	9	9	SHOOTING	DOUGLAS	OR	DEAD	ARROW RETRIEVED FROM CARCASS BY NOAA ENFORCEMENT AGENT	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	9	15	VESSEL STRIKE	WHATCOM	WA	DEAD	VESSEL STRIKE; LARGE GASH ON SIDE OF SKULL (SKULL FELT COMPRESSED INTO LITTLE PIECES) AND 3 INCH SLICE ALONG RIGHT SIDE JUST BELOW THE HEAD AND ABOVE THE SHOULDER	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	9	21	HARASSMENT	WHATCOM	WA	SI	MATERNAL SEPARATION; PUP WAS UNDERWEIGHT, LETHARGIC, AND BREATHING LABORED; MEMBER OF PUBLIC PICKED UP PUP AND CARRIED IT AROUND; PUP SWAM AWAY AND WAS REPORTED DEAD ON A NEARBY BEACH THE NEXT DAY	DEAD	P14	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	10	2	DOG ATTACK	JEFFERSON	WA	SI	SEAL PUP FOUND ALIVE ON BEACH WITH BLOOD ON HEAD AND FACE, A FEW BLOOD SPOTS ON DORSAL AND LATERAL SIDES, AND FOAM COMING FROM MOUTH; FRESH DOG PRINTS AND BLOOD SMEARS FOUND IN THREE AREAS ON BEACH IN CLOSE PROXIMITY; ANIMAL DIED BEFORE IT COULD BE TRANSPORTED TO REHAB	DEAD	P9	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HARBOR SEAL	HOOD CANAL	2013	10	4	UNIDENTIFIED NET FISHERY	JEFFERSON	WA	DEAD	ONE OF SEVEN ANIMALS FOUND IN NET; MARKED SWELLING AND HEMORRHAGE ASSOCIATED WITH NET MARKS ON NOSE; GOOD BODY CONDITION AND PARTIALLY DIGESTED FOOD IN STOMACH; NET IMPRESSION ACROSS NOSE, LEFT SIDE OF NECK, ACROSS BACK BETWEEN FOREFLIPPERS, AND ON LEFT SIDE OF PELVIC AREA	DEAD	NA	1	Y	Y
HARBOR SEAL	HOOD CANAL	2013	10	4	UNIDENTIFIED NET FISHERY	JEFFERSON	WA	DEAD	ONE OF SEVEN ANIMALS FOUND IN NET; MARKED SWELLING AND HEMORRHAGE AROUND LIPS AND BETWEEN EYES WITH ASSOCIATED LINE MARKS; IMPRESSION ACROSS HEAD JUST BEHIND EYES; LEFT UPPER LIP SWOLLEN; IMPRESSIONS ACROSS BACK BETWEEN FOREFLIPPERS AND ANTERIOR TO TAIL	DEAD	NA	1	Y	Y
HARBOR SEAL	HOOD CANAL	2013	10	4	UNIDENTIFIED NET FISHERY	JEFFERSON	WA	DEAD	ONE OF SEVEN ANIMALS FOUND IN NET; IMPRESSION AROUND NOSE WITH ASSOCIATED HEMORRHAGE; IMPRESSION ON DORSAL SURFACE FROM LEFT AXILLA ACROSS BACK; PUNCTURE WOUNDS ON DORSAL SIDE OF RIGHT AND LEFT HIND FLIPPERS; PUNCTURE WOUNDS ON DORSAL SURFACE OF RIGHT FOREFLIPPER; FLIPPER JOINTS APPEAR SWOLLEN NEAR PUNCTURES; THREE SHALLOW PUNCTURES ON CHEST BETWEEN LEFT FLIPPER AND MIDLINE	DEAD	NA	1	Y	Y
HARBOR SEAL	HOOD CANAL	2013	10	4	UNIDENTIFIED NET FISHERY	JEFFERSON	WA	DEAD	ONE OF SEVEN ANIMALS FOUND IN NET; AREAS OF BRUISING AND PETECHIAL HEMORRHAGE ASSOCIATED WITH WRAPS; EXCELLENT BODY CONDITION; PARTIALLY DIGESTED FISH IN STOMACH; PIECE OF NET RECOVERED FROM NECK; BRAIDED MONOFILAMENT (14 STR); POSSIBLE SUPERFICIAL, NON-INFECTED PUNCTURE WOUNDS ON LEFT HIND FLIPPER; NET WRAPPED 5X AROUND NECK; POSSIBLE NET LINES AROUND ABDOMEN	DEAD	NA	1	Y	Y
HARBOR SEAL	HOOD CANAL	2013	10	4	UNIDENTIFIED NET FISHERY	JEFFERSON	WA	DEAD	ONE OF SEVEN ANIMALS FOUND IN NET; HEMORRHAGE ASSOCIATED WITH NET IMPRESSIONS; MARKEDLY THIN; RED SEROUS FLUID COMING FROM UMBILICUS; PUNCTURE WOUND ON LEFT FOREFLIPPER; PUNCTURE WOUND ON RIGHT HIND FLIPPER; PUNCTURE WOUND ON RIGHT LOWER LIP	DEAD	NA	1	Y	Y
HARBOR SEAL	HOOD CANAL	2013	10	4	UNIDENTIFIED NET FISHERY	JEFFERSON	WA	DEAD	ONE OF SEVEN ANIMALS FOUND IN NET; EXCELLENT BODY CONDITION; IMPRESSIONS ON FACE AND NECK WITH SOME ASSOCIATED HEMORRHAGE; REDDISH FROTH IN TRACHEA DOWN INTO BRONCHIALS; BLOOD COMING FROM NOSE AND MOUTH; IMPRESSION AROUND BACK OF NECK WITH WRAPS AROUND TO FRONT; IMPRESSION IN CENTER OF CHEST; IMPRESSION FROM LEFT UPPER LIP TO RIGHT EYE, POSSIBLY RUNNING THROUGH EYE	DEAD	NA	1	Y	Y
HARBOR SEAL	HOOD CANAL	2013	10	4	UNIDENTIFIED NET FISHERY	JEFFERSON	WA	DEAD	ONE OF SEVEN ANIMALS FOUND IN NET; IMPRESSION ACROSS NOSE WITH ASSOCIATED HEMORRHAGE; SOME FISH BONES AND OTOLITHS IN STOMACH; MODERATELY THIN; IMPRESSION ACROSS NOSE AND ON LEADING EDGE OF RIGHT FLIPPER; PUNCTURES ON VENTRAL SIDES OF HIND FLIPPERS (NONE APPEARED TO BE INFECTED); ONE LARGER LESION ON INSIDE DIGIT OF RIGHT FLIPPER	DEAD	NA	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	10	6	HARASSMENT	WHATCOM	WA	NSI	PUP HARASSED BY MEMBERS OF PUBIC AND DOGS ON VERY PUBLIC BEACH; EYE INFECTION; PROBABLE RESPIRATORY INFECTION; LACERATION ON THE RIGHT REAR FLIPPER.	NSI	P9	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	10	16	HARASSMENT	WHATCOM	WA	SI	PUP HARASSED BY MEMBERS OF THE PUBLIC AND DOGS; PUP HAD EYE INJURY, FEVER, AND PUNCTURE WOUNDS, PROBABLY FROM DOGS.	SI	P9	1	N	Y
HARBOR SEAL	CALIFORNIA	2013	10	18	VEHICLE COLLISION	MONTEREY	CA	DEAD	SECOND-HAND REPORT OF ANIMAL STRUCK BY CAR, PARTS COLLECTED.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

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HARBOR SEAL	CALIFORNIA	2013	11	3	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	ANIMAL WAS CAUGHT BECAUSE IT APPEARED TO HAVE FISHING LINE AROUND ITS NECK; HALF-INCH WIDE WOUND ENCIRCLING ANIMAL'S NECK WAS EXAMINED AND IT WAS DETERMINED THAT FISHING LINE WAS NO LONGER PRESENT AND WOUND WAS HEALING, SO ANIMAL WAS RELEASED ON SITE	NSI	P7B	0	N	N
HARBOR SEAL	OREGON-WASHINGTON COAST	2013	11	22	SHOOTING	CURRY	OR	DEAD	WOUND TO FACE AND DAMAGE TO ORBIT STRONGLY SUGGEST GUNSHOT	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2013	12	1	VESSEL STRIKE	LINCOLN	OR	DEAD	LIKELY VESSEL STRIKE OR SHOOTING; FIVE BROKEN RIBS WITH HEMORRHAGE	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	12	9	ENTRAPMENT	SNOHOMISH	WA	DEAD	FOUND IN TRIBAL HATCHERY CONTAINMENT AREA.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2013	12	10	HARASSMENT	KITSAP	WA	SI	HARASSMENT; 28-35 FOOT SILVER BOAT WITH CRAB PULLING EQUIPMENT OBSERVED THROWING A LIVE HARBOR SEAL PUP OUT OF BOAT; TIME SPENT ABOARD BOAT UNKNOWN; POSSIBLE CAPTURE MYOPATHY CONSIDERATIONS	SI	P4	1	N	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2013	12	24	MARINE DEBRIS	THURSTON	WA	DEAD	FOUND WRAPPED IN ANCHOR LINE OF A BUOY.	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2014	1	26	UNIDENTIFIED FISHERY INTERACTION	HUMBOLDT	CA	DEAD	HARBOR SEAL CARCASS WITH HEAD CUT OFF	DEAD	NA	1	Y	Y
HARBOR SEAL	CALIFORNIA	2014	3	2	HARASSMENT	SAN DIEGO	CA	SI	NEONATE WITH UMBILICUS ILLEGALLY REMOVED FROM ROOKERY BY MEMBER OF THE PUBLIC	SI	P14	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2014	4	2	SCIENTIFIC RESEARCH	CLATSOP	OR	DEAD	A HARBOR SEAL WAS CAUGHT AND KILLED IN A RESEARCH GILLNET.	DEAD	N/A	1	N	Y
HARBOR SEAL	CALIFORNIA	2014	4	4	HARASSMENT	MONTEREY	CA	SI	NEONATE WITH UMBILICUS ILLEGALLY REMOVED FROM ROOKERY BY MEMBER OF THE PUBLIC	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2014	4	7	HARASSMENT	MARIN	CA	SI	NEONATE WITH UMBILICUS ILLEGALLY REMOVED FROM ROOKERY BY MEMBER OF THE PUBLIC	SI	P14	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2014	4	8	SHOOTING	LANE	OR	DEAD	A SUBADULT HARBOR SEAL WAS FOUND DEAD WITH A GUNSHOT WOUND. A BULLET FRAGMENT WAS FOUND IN THE ANIMAL'S NECK.	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2014	4	15	HARASSMENT	MONTEREY	CA	SI	NEONATE WITH UMBILICUS ILLEGALLY REMOVED FROM ROOKERY BY MEMBER OF THE PUBLIC	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2014	4	19	HARASSMENT	MARIN	CA	SI	NEONATE WITH UMBILICUS ILLEGALLY REMOVED FROM ROOKERY BY MEMBER OF THE PUBLIC	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2014	4	25	HARASSMENT	SAN MATEO	CA	SI	NEONATE WITH UMBILICUS ILLEGALLY REMOVED FROM ROOKERY BY MEMBER OF THE PUBLIC	SI	P14	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	4	25	UNIDENTIFIED FISHERY INTERACTION	WHATCOM	WA	DEAD	A MUMMIFIED / SKELETONIZED HARBOR SEAL WAS FOUND ENTANGLED IN DERELICT GILLNET GEAR.	DEAD	NA	1	Y	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2014	5	3	SHOOTING	CLATSOP	OR	DEAD	A HARBOR SEAL WAS FOUND DEAD WITH BULLET HOLES IN ITS BODY AND EXTENSIVE HEMORRHAGING. A NECROPSY WAS CONDUCTED.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	5	14	MARINE DEBRIS	SAN JUAN	WA	SI	A HARBOR SEAL WAS REPORTED TO BE ENTANGLED IN WHAT APPEARS TO BE A PACKING BAND.	SI	P8A	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2014	5	14	SHOOTING	CLATSOP	OR	DEAD	A HARBOR SEAL WAS FOUND DEAD WITH BULLET HOLES IN ITS BODY AND EXTENSIVE HEMORRHAGING. A NECROPSY WAS CONDUCTED AND A PELLET WAS COLLECTED FROM A BULLET WOUNDS.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	5	23	MARINE DEBRIS	SAN JUAN	WA	SI	A HARBOR SEAL WAS REPORTED TO BE ENTANGLED IN ORANGE / RED THICK ROPE WRAPPED AROUND THE NECK TO THE MIDDLE OF THE ANIMAL'S BACK.	SI	P8A	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

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HARBOR SEAL	CALIFORNIA	2014	5	26	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	DEAD	LARGE BLUE ROPE AROUND THE ANIMAL'S NECK. LOOKS LIKE A SLIP KNOT. ABOUT 3 FEET OF TRAILING ROPE AFTER THE LOOP AROUND ITS NECK. NO LONG TERM MARKINGS OF ROPE ON THE ANIMAL, SUCH AS A PINK RING OF FLESH. THE FUR IS STILL INTACT AND LOOKS ONLY A LITTLE IRRITATED. ROPE AROUND NECK EXTERNAL EXAM	DEAD	NA	1	Y	Y
HARBOR SEAL	CALIFORNIA	2014	5	30	DOG ATTACK	HUMBOLDT	CA	SI	UNDERWEIGHT ANIMAL WITH DOG BITES	SI	P9	1	N	Y
HARBOR SEAL	CALIFORNIA	2014	6	2	DOG ATTACK	HUMBOLDT	CA	SI	UNDERWEIGHT ANIMAL WITH DOG BITES	SI	P9	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	6	12	HARASSMENT	PIERCE	WA	SI	A HARBOR SEAL WAS ILLEGALLY PICKED UP AND REMOVED FROM THE BEACH FOR AN EXTENDED PERIOD OF TIME. THE ANIMAL WAS RETURNED TO THE BEACH, BUT FOUND DEAD LATER THAT DAY.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	6	23	HARASSMENT	WHATCOM	WA	SI	A HARBOR SEAL PUP WAS REPORTED TO BE HARRASSED BY BOATERS, KIDS, AND DOGS. THE ANIMAL EVENTUALLY DIED. BODY CONDITION WAS GOOD. MONOFILAMENT LINE WRAPPED AROUND NECK, IT WAS LOOSE SO NOT TOO DEEP.	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2014	6	26	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	(1/8") BUT APPEARED TO RUB AND MAKE A WIDER WOUND.	SI	P8A	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	7	3	HARASSMENT	JEFFERSON	WA	SI	A HARBOR SEAL PUP WAS REPEATEDLY HAULING OUT IN AREAS WITH HIGH CONCENTRATIONS OF PEOPLE OVER SEVERAL DAYS AND WAS ILLEGALLY PICKED UP. THE PUP WAS RELOCATED TO A REMOTE BEACH.	SI	P14	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	7	6	HARASSMENT	JEFFERSON	WA	NSI	A HARBOR SEAL PUP WAS REPORTED TO BE HAULED OUT IN A HIGH TRAFFIC AREA. A TRAINED RESPONDER ATTEMPTED TO RELOCATE THE ANIMAL, BUT WAS HARRASSED BY PROPERTY OWNERS. THE PUP WOUND UP BEING LEFT IN PLACE.	NSI	P9	0	N	N
HARBOR SEAL	HOOD CANAL WASHINGTON NORTHERN INLAND WATERS	2014	7	9	HARASSMENT	JEFFERSON	WA	SI	A HARBOR SEAL PUP WAS HARRASSED WHILE HAULED OUT - A WOMAN MOVED IT AND ATTEMPTED TO FEED IT, DOGS WERE IN THE AREA AND INTERACTING WITH THE PUP. ACCORDING TO REPORTING PARTIES THE PUP HAD BEEN UNATTENDED FOR 4 DAYS. A TRAINED REPONDER REMOVED THE SEAL FROM THE BEACH AND TO A REHABILITATION FACILITY. THE SEAL WAS REHABILITATED AND RELEASED.	NSI	P9	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	7	11	HARASSMENT	SAN JUAN	WA	SI	A HARBOR SEAL PUP WAS PET, FED, AND HARRASSED BY THE PUBLIC. AS A RESULT, THE ANIMAL WAS SENT TO A REHAB FACILITY, BUT DIED AT THE FACILITY.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	7	13	HARASSMENT	SAN JUAN	WA	SI	OVER A PERIOD OF DAYS A HARBOR SEAL PUP WAS PET AND HARRASSED BY THE PUBLIC. PEOPLE ALSO ATTEMPTED TO FEED THE PUP POTATO CHIPS. THE PUP DIED SHORTLY AFTER TRAINED RESPONDERS ATTEMPTED TO ASSIST THE PUP.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	7	16	HARASSMENT	SKAGIT	WA	NSI	A HARBOR SEAL PUP WAS REPORTEDLY WET WITH A HOSE WHILE HAULED OUT ON A PRIVATE BEACH.	NSI	P9	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	7	17	HARASSMENT	WHATCOM	WA	NSI	A HARBOR SEAL PUP WAS REPORTED TO BE HARRASSED BY PEOPLE AND DOGS WHILE IT WAS HAULED OUT ON A BEACH.	NSI	P9	0	N	N
HARBOR SEAL	SOUTHERN PUGET SOUND	2014	7	22	HARASSMENT	PIERCE	WA	SI	A HARBOR SEAL PUP WAS ILLEGALLY PICKED UP AND FED BY A HUMAN OVER A PERIOD OF SEVERAL DAYS. THE ANIMAL EVENTUALLY DIED.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	7	22	HARASSMENT	WHATCOM	WA	SI	A HARBOR SEAL PUP WAS HARRASSED BY PEOPLE AND DOGS. PEOPLE WERE TOUCHING, FEEDING, AND PETTING THE SEAL. LEVEL-A INDICATES THE ANIMAL WAS REHABILITATED AT WOLF HOLLOW AND THEN RELEASED.	NSI	P9	0	N	N

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	7	23	HARASSMENT	WHATCOM	WA	SI	A HARBOR SEAL PUP WAS REPORTEDLY HARRASSED BY DOGS AND PEOPLE. PEOPLE WERE TOUCHING, FEEDING, AND PETTING IT. THE LEVEL-A INDICATES THE PUP WAS ABANDONED AND INJURED. THE PUP WAS SENT TO WOLF HOLLOW FOR REHABILITATION BUT DIED.	DEAD	NA	1	N	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2014	7	25	HARASSMENT	PIERCE	WA	NSI	A HARBOR SEAL PUP WAS REPORTED TO BE ILLEGALLY PICKED UP.	NSI	P9	0	N	N
HARBOR SEAL	HOOD CANAL	2014	8	8	HARASSMENT	KITSAP	WA	SI	A HARBOR SEAL PUP WAS REPORTED TO BE IN DISTRESS OVER SEVERAL DAY PERIOD BY A PROPERTY OWNER. WHEN TRAINED RESPONDERS ARRIVED TO RELOCATE THE PUP THEY FOUND IT SUCKLING ON THE THE PROPERTY OWNER'S LEG. THE SEAL WAS RELOCATED, BUT THEN RETURNED ON ITS OWN TO ITS ORIGINAL LOCATION. THE PUP WAS THEN SENT TO TO BE REHABILITATED AND WAS LATER RELEASED.	NSI	P9	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	8	19	UNIDENTIFIED FISHERY INTERACTION	KITSAP	WA	DEAD	A HARBOR SEAL PUP WAS FOUND DEAD. GILLNET FISHING WAS REPORTED IN THE AREA AT THE TIME. THE ANIMAL EXHIBITED BLUNT FORCE TRAUMA AROUND ITS HEAD AND A LINEAR IMPRESSION AROUND ITS NECK. THE REPORTING PARTY, A HIGH QUALITY SOURCE OF INFORMATION, SUSPECTED THE MORTALITY WAS FISHERIES RELATED.	DEAD	NA	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	8	19	UNIDENTIFIED FISHERY INTERACTION	KITSAP	WA	DEAD	A HARBOR SEAL PUP WAS FOUND DEAD. THE ANIMAL EXHIBITED LINEAR IMPRESSIONS AROUND NECK AND ON EYES. THE REPORTING PARTY, A HIGH QUALITY SOURCE OF INFORMATION, SUSPECTED THE MORTALITY WAS FISHERIES RELATED.	DEAD	NA	1	Y	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2014	8	26	SHOOTING	CLATSOP	OR	DEAD	A HARBOR SEAL WAS FOUND DEAD WITH BULLET HOLES IN ITS BODY, A FRACTURED SKULL, AND OTHER SEVERE TRAUMA. A FIELD NECROPSY WAS PERFORMED.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	8	26	UNIDENTIFIED FISHERY INTERACTION	PIERCE	WA	DEAD	A HARBOR SEAL WAS FOUND DEAD AT A BOAT RAMP. THE ANIMAL EXHIBITED SLICE WOUNDS ON THE VENTRAL SIDE OF ITS NECK AND LESIONS AND PENETRATING WOUNDS CONSISTENT WITH NET INJURIES. A NECROPSY INDICATED SIGNS OF SLICING / MUTILATION AND SUSPECTED NET IMPRESSIONS ON THE HEAD.	DEAD	NA	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	9	3	UNIDENTIFIED FISHERY INTERACTION	KITSAP	WA	SI	A HARBOR SEAL WAS REPORTED TO BE ENTANGLED IN A NET. AT LOW TIDE THE REPORTING PARTY RETURNED AND THE NET WAS EXPOSED. THEY FOUND THE SEAL DISENTANGLED, MUDDY, AND LAYING ON THE NET. IT HAD BEEN STABBED 5 TIMES IN THE CHEST AND WAS SURROUNDED BY A POOL OF FRESH BLOOD.	DEAD	NA	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	9	10	SHOOTING	CLALLAM	WA	DEAD	A HARBOR SEAL PUP WAS FOUND DEAD, IN A NEIGHBORHOOD SEVERAL HUNDRED YARDS FROM THE WATER, WITH BULLET HOLES IN ITS BODY AND EVIDENCE OF RECENT BLOOD LOSS. THE REPORTING PARTY BELIEVES THIS IS A FISHERIES RELATED MORTALITY. NO NECROPSY WAS CONDUCTED.	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2014	9	20	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	ANIMALS APPEARS ALERT, HYDRATED AND IN OVERALL GOOD BODY CONDITION. FIRST SPOTTED BY THE PUBLIC ON MAY 18TH 2014. AUGUST 21 WAS REPORTED BY PUBLIC THAT THE FISHING LINE BROKE BUT WAS UNABLE TO SEE IF IT WAS EMBEDDED. WE FIRST GOT EYES ON IT 9/18/14. MADE A RESCUE ATTEMPT BUT NOT SUCCESSFUL. 2ND ATTEMPT WAS 9/19- HAD BEEN MONITORING ANIMAL FOR ABOUT 3 WEEKS. RESCUED DUE TO SUSPECTED HUMAN INTERACTION. APPEARANCE OF POSSIBLE ENTANGLEMENT AROUND THE ANIMALS NECK (MONOFILAMENT)	NSI	P7B	0	N	N

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HARBOR SEAL	OREGON-WASHINGTON COAST	2014	9	20	SHOOTING	CLATSOP	OR	DEAD	A HARBOR SEAL PUP WAS FOUND DEAD WITH BULLET HOLES AND HEAVY HEMORRHAGING. A NECROPSY WAS CONDUCTED.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2014	9	29	UNIDENTIFIED FISHERY INTERACTION	CLALLAM	WA	DEAD	A HARBOR SEAL WAS FOUND DEAD IN DERELICT GILLNET GEAR.	DEAD	NA	1	Y	Y
HARBOR SEAL	CALIFORNIA	2014	10	17	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	SINGLE PIECE OF MONOFILAMENT LINE AROUND THE NECK, STARTED CUTTING INTO THE ANIMAL ON THE RIGHT SIDE AND UNDERNEATH. LACERATION WAS APPROXIMATELY 1/2" WIDE AND 1/2" DEEP	SI	P8A	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2014	11	25	SHOOTING	CLATSOP	OR	DEAD	A HARBOR SEAL WAS FOUND DEAD AND REPORTED TO BE SHOT. THE ANIMAL SHOWED SIGNS OF TRAUMA, HEMORRHAGING, AND SKULL DAMAGE. A NECROPSY WAS CONDUCTED.	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2014	12	2	SHOOTING	CLALLAM	WA	DEAD	A HARBOR SEAL WAS FOUND DEAD WITH A TRACKING BULLET WOUND TO ITS HEAD. THE REPORTING PARTY BELIEVES THIS WAS A FISHERIES-RELATED MORTALITY.	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2015	1	20	SHOOTING	PACIFIC	WA	DEAD	A HARBOR SEAL WAS FOUND DEAD WITH REPORTED BULLET HOLES AND ASSOCIATED HEMORRHAGE IN ITS BODY, NECK, AND POSTERIOR SKULL AND FRACTURED CERVICAL VERTEBRAE.	DEAD	N/A	1	N	Y
HARBOR SEAL	CALIFORNIA	2015	2	5	HARASSMENT	SAN DIEGO	CA	SI	NEONATE WITH UMBILICUS ILLEGALLY REMOVED FROM THE WILD BY MEMBER OF THE PUBLIC. TREATED IN REHAB FACILITY AND RELEASED. CONSIDERED SERIOUS INJURY BECAUSE ANIMAL WAS A DEPENDENT PUP.	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2015	2	13	HARASSMENT	SAN LUIS OBISPO	CA	SI	NEONATE WITH UMBILICUS ILLEGALLY REMOVED FROM THE WILD BY MEMBER OF THE PUBLIC. TREATED AND RELEASED FROM REHAB. DEPENDENT PUP AND MATERNAL SEPARATION = SERIOUS INJURY.	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2015	2	19	OIL / TAR	MONTEREY	CA	SI	UNDERWEIGHT PUP WITH UMBILICUS AND TAR SPOTS OVER DORSUM AND FLIPPERS. TREATED IN REHAB AND RELEASED. DEPENDENT PUP AND MATERNAL SEPARATION = SERIOUS INJURY.	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2015	2	20	HARASSMENT	MARIN	CA	SI	NEONATE WITH UMBILICUS ILLEGALLY REMOVED FROM THE WILD BY MEMBER OF THE PUBLIC. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2015	2	21	SHOOTING	GRAYS HARBOR	WA	DEAD	A SUBADULT FEMALE HARBOR SEAL WAS FOUND DEAD. THE ANIMAL HAD SUSTAINED A PENETRATING INJURY, WITH CORRESPONDING ENTRANCE AND EXIT WOUNDS, AND THE SKULL WAS SHATTERED.	DEAD	N/A	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	3	5	SHOOTING	CLALLAM	WA	DEAD	A FRESHLY DEAD ADULT HARBOR SEAL WAS FOUND IN PORT ANGELES. THERE WERE TWO HOLES, ONE ON EITHER SIDE OF THE HEAD JUST POSTERIOR FROM THE EYE SOCKETS. THE REPORTING PARTY BELIEVED THE ANIMAL WAS SHOT.	DEAD	N/A	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	3	6	GILLNET FISHERY	SKAGIT	WA	DEAD	A HARBOR SEAL WAS FOUND DEAD IN A STATE OF MODERATE DECOMPOSITION IN DERELICT GILLNET THAT WAS STRETCHED BETWEEN TWO PINNACLES NEAR SARES HEAD. THE NET APPEARED TO BE NEW AND WAS THOUGHT TO BE LOST IN THE PREVIOUS YEAR.	DEAD	N/A	1	Y	Y
HARBOR SEAL	CALIFORNIA	2015	3	21	HARASSMENT	ORANGE	CA	SI	NEONATE WITH UMBILICUS ILLEGALLY REMOVED FROM THE WILD BY MEMBER OF THE PUBLIC. TREATED AND RELEASED FROM REHAB. DEPENDENT PUP AND MATERNAL SEPARATION = SERIOUS INJURY.	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2015	3	26	HARASSMENT	SONOMA	CA	SI	NEONATE WITH UMBILICUS ILLEGALLY REMOVED FROM THE WILD BY MEMBER OF THE PUBLIC. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HARBOR SEAL	CALIFORNIA	2015	4	17	HARASSMENT	MENDOCINO	CA	SI	NEONATE WITH UMBILICUS ILLEGALLY REMOVED FROM THE WILD BY MEMBER OF THE PUBLIC. TREATED AND RELEASED FROM REHAB. DEPENDENT PUP AND MATERNAL SEPARATION = SERIOUS INJURY.	SI	P14	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2015	4	21	SHOOTING	CLATSOP	OR	DEAD	A SUBADULT MALE HARBOR SEAL WAS FOUND DEAD. THERE WAS TREMENDOUS HEMORRHAGING THROUGHOUT THE HEAD AND BODY. AT LEAST ONE PROJECTILE WAS FOUND IN THE SKULL.	DEAD	N/A	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2015	4	24	SHOOTING	CLATSOP	OR	DEAD	AN ADULT FEMALE HARBOR SEAL WAS FOUND DEAD. THERE WAS HEMORRHAGING REPORTED THROUGHOUT THE BODY AND A BLOOD FILLED ABDONMINAL CAVITY. THE ANIMAL WAS IN EXCELLENT BODY CONDITION. PROJECTILES WERE RECOVERED FROM THE SKULL AND ABDOMEN.	DEAD	N/A	1	N	Y
HARBOR SEAL	CALIFORNIA	2015	4	29	UNIDENTIFIED HUMAN INTERACTION	LOS ANGELES	CA	SI	UNDERWEIGHT ANIMAL WITH ABDOMINAL PUNCTURE WOUND TREATED IN REHAB AND RELEASED.	NSI	P9	0	N	N
HARBOR SEAL	CALIFORNIA	2015	5	4	OIL / TAR	MONTEREY	CA	SI	UNDERWEIGHT PUP WITH TAR ON FACE. TREATED IN REHAB FACILITY, OUTCOME UNKNOWN.	SI	P9	1	N	Y
HARBOR SEAL	CALIFORNIA	2015	5	23	OIL / TAR	SAN LUIS OBISPO	CA	SI	UNDERWEIGHT PUP WITH TAR ON FACE. TREATED IN REHAB FACILITY, OUTCOME UNKNOWN.	SI	P9	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2015	6	3	HOOK AND LINE FISHERY	LINCOLN	WA	SI	A HARBOR SEAL THAT INGESTED TROLL FISHERY GEAR WAS OBSERVED WITH A FLASHER HANGING FROM ITS MOUTH.	SI	P2	1	N	Y
HARBOR SEAL	CALIFORNIA	2015	6	4	DOG ATTACK	SONOMA	CA	DEAD	OFF LEASH DOG ATTACKED AND KILLED SEAL.	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2015	6	6	OIL / TAR	LOS ANGELES	CA	SI	ANIMAL COLLECTED AS PART OF MANHATTAN BEACH TAR INCIDENT. 51-75% EXTERNAL OILING SEEN ON NECK, SHOULDERS, MOST OF DORSAL SIDE, SMALL PATCHES ON VENTRAL SIDE. IN ADDITION TO STANDARD SEAWORLD NECROPSY SAMPLES TAKEN, OILED WILDLIFE CARE NETWORK NECROPSY SAMPLE COLLECTING PROTOCOLS WERE FOLLOWED. ANIMAL DIED IN REHAB.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	6	7	HARASSMENT	WHATCOM	WA	SI	A HARBOR SEAL PUP WAS HANDLED, PICKED UP, AND RELOCATED BY THE PUBLIC. THE PUP WAS REHABILITATED AND RELEASED ON SAN JUAN ISLAND ON AUGUST 29.	NSI	P9	0	N	N
HARBOR SEAL	CALIFORNIA	2015	6	12	VESSEL STRIKE	MARIN	CA	SI	HIT BY BOAT, CUT ON NECK. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	6	30	HARASSMENT	WHATCOM	WA	SI	A HARBOR SEAL PUP WAS MOVED AND HARASSED BY MEMBERS OF THE PUBLIC. THE ANIMAL WAS CAPTURED, REHABILITATED, AND RELEASED ON AUGUST 29, 2015.	NSI	P9	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	7	3	HARASSMENT	WHATCOM	WA	SI	A HARBOR SEAL PUP WAS ATTACKED BY A DOG AND HARASSED BY MEMBERS OF THE PUBLIC. THE PUP WAS REHABILITATED AND RELEASED AT SAN JUAN ISLAND ON AUGUST 29, 2015.	NSI	P9	0	N	N
HARBOR SEAL	OREGON- WASHINGTON COAST	2015	7	4	HARASSMENT	CLALLAM	WA	SI	A HARBOR SEAL PUP WAS HAULED OUT ON A POPULAR BEACH DURING A 4TH OF JULY CELEBRATION. THE PRESENCE OF PEOPLE ON THE BEACH AND FIREWORKS DROVE THE PUP INTO THE WATER, WHERE IT WAS REPORTED TO SUSTAIN INJURIES WHICH LED TO ITS DEATH. THERE ARE NO OTHER DETAILS. IN THE ABSENCE OF ADDITIONAL INFORMATION IT WILL BE ASSUMED THAT HUMAN HARASSMENT LED TO THE SEAL'S DEATH.	DEAD	N/A	1	N	Y
HARBOR SEAL	OREGON- WASHINGTON COAST	2015	7	7	MARINE DEBRIS	COOS	OR	SI	AN ADULT FEMALE HARBOR SEAL WAS OBSERVED OVER A COUPLE MONTHS WITH A CIRCUMFERENTIAL NECK ENTANGLEMENT CAUSED BY A PACKING BAND. THE ENTANGLED SEAL SUCCESSFULLY REARED A PUP. THE PACKING BAND WAS NOTED TO BE CUTTING INTO THE SKIN AND BLUBBER.	SI	P8a	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HARBOR SEAL	OREGON-WASHINGTON COAST	2015	7	8	HARASSMENT	GRAYS HARBOR	WA	SI	A FEMALE HARBOR SEAL PUP WAS REPORTED TO BE ON A BEACH FOR A 24 HOUR PERIOD. DURING THIS TIME THERE WERE MULTIPLE REPORTS OF HARASSMENT, INCLUDING REPORTS OF PEOPLE THROWING THE SEAL. THE PUP WAS DEAD BY THE TIME STRANDING NETWORK RESPONDERS ARRIVED. IN THE ABSENCE OF ADDITIONAL INFORMATION THIS WILL BE ASSUMED TO BE A HUMAN-CAUSED MORTALITY DUE TO THE INTENSITY OF THE HARASSMENT.	DEAD	N/A	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2015	7	15	SCIENTIFIC RESEARCH	CLATSOP	OR	DEAD	A HARBOR SEAL WAS CAUGHT AND KILLED IN A SALMON RESEARCH NET.	DEAD	N/A	1	N	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2015	7	16	HARASSMENT	THURSTON	WA	SI	A HARBOR SEAL PUP WAS ON A BUSY BEACH. IT WAS OBSERVED TO BE UNATTENDED FOR TWO DAYS, AND MEMBERS OF THE PUBLIC WERE BEGINNING TO APPROACH AND TOUCH IT. THE PUP WAS REHABILITATED AND WAS RELEASED AT SOLO POINT ON OCTOBER 12, 2015.	NSI	P9	0	N	N
HARBOR SEAL	CALIFORNIA	2015	7	18	DOG ATTACK	HUMBOLDT	CA	SI	DOG BITES. TREATED IN REHAB FACILITY AND RELEASED.	NSI	P9	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	7	18	HARASSMENT	SAN JUAN	WA	SI	A HARBOR SEAL PUP WAS HARASSED BY MEMBERS OF THE PUBLIC AND A DOG. THE PUP SUSTAINED SEVERAL PUNCTURE WOUNDS WHICH BECAME INFECTED. THE SEAL WAS REHABILITATED AND RELEASED AT SAN JUAN ISLAND ON OCTOBER 15, 2015.	NSI	P9	0	N	N
HARBOR SEAL	OREGON-WASHINGTON COAST	2015	7	19	HOOK AND LINE FISHERY	TILLAMOOK	OR	DEAD	AN ADULT MALE HARBOR SEAL WAS FOUND DEAD. THE SEAL HAD INGESTED HOOK AND LINE AND HEMORRAGING WAS LOCATED THROUGHOUT THE BODY, POSSIBLY INDICATING THE ANIMAL WAS SHOT. HOWEVER, THIS MORTALITY WILL BE ATTRIBUTED TO INGESTED GEAR, SINCE IT CAN BE MORE READILY CONFIRMED THAN THE GUNSHOT INJURIES AND LIKELY OCCURRED PRIOR TO BEING SHOT.	DEAD	N/A	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	7	24	HARASSMENT	SAN JUAN	WA	SI	A MALE HARBOR SEAL PUP WAS HARASSED BY MEMBERS OF THE PUBLIC AND DOGS AT A STATE PARK. PEOPLE WERE POURING WATER ON THE PUP AND DRIVING IT INTO THE WATER. REHABILITATION WAS ATTEMPTED, BUT THE ANIMAL HAD TO BE EUTHANIZED.	DEAD	N/A	1	N	Y
HARBOR SEAL	HOOD CANAL	2015	7	25	HARASSMENT	KITSAP	WA	SI	A HARBOR SEAL PUP WAS HARASSED BY MEMBERS OF THE PUBLIC AT A BUSY BOAT LAUNCH. THE SEAL WAS REHABILITATED AND RELEASED AT JETTY ISLAND IN EVERETT ON OCTOBER 9, 2015.	NSI	P9	0	N	N
HARBOR SEAL	OREGON-WASHINGTON COAST	2015	8	10	SHOOTING	CLATSOP	OR	DEAD	A HARBOR SEAL IN EXCELLENT BODY CONDITION WAS FOUND DEAD WITH BULLET / PELLET HOLES AND ASSOCIATED HEMORRHAGE IN THE HEAD, NECK, PELVIS, AND TAIL. ONE OF THE ANIMAL'S LUMBAR VERTEBRA WAS BROKEN.	DEAD	N/A	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2015	8	17	SHOOTING	CLATSOP	OR	DEAD	A HARBOR SEAL WAS FOUND DEAD WITH A HOLE IN ITS VENTRAL NECK WITH ASSOCIATED HEMORRHAGING. THERE WAS TREMENDOUS HEMORRHAGING THROUGHOUT THE BODY. THE REPORTING PARTY NOTED THIS ANIMAL WAS SHOT.	DEAD	N/A	1	N	Y
HARBOR SEAL	CALIFORNIA	2015	8	19	DOG ATTACK	DEL NORTE	CA	SI	UNDERWEIGHT ANIMAL WITH DOG BITES. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P9	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	8	27	VESSEL STRIKE	PIERCE	WA	DEAD	A MALE HARBOR SEAL PUP WAS FOUND FRESH DEAD. THE ANIMAL HAD SIX PARALLEL DEEP LACERATIONS ON THE LEFT SIDE OF THE BODY FROM THE BASE OF THE SKULL TO THE HIND FLIPPER CONSISTENT WITH PROPELLER INJURY.	DEAD	N/A	1	N	Y



Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HARBOR SEAL	OREGON-WASHINGTON COAST	2015	8	28	HOOK AND LINE FISHERY	PACIFIC	WA	DEAD	AN ADULT MALE HARBOR SEAL CARCASS WAS FOUND. THE SEAL HAD INGESTED FISHING GEAR AND APPEARED TO BE SHOT IN THE HEAD AND BODY INDICATED BY HOLES AND ASSOCIATED HEMORRHAGE. GIVEN THE TWO SOURCES OF INJURY, THIS MORTALITY WILL BE ATTRIBUTED TO INGESTED GEAR, SINCE IT CAN BE MORE EASILY CONFIRMED THAN THE GUNSHOT INJURIES AND LIKELY OCCURRED PRIOR TO BEING SHOT.	DEAD	N/A	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2015	9	7	SHOOTING	LINCOLN	OR	DEAD	A HARBOR SEAL WAS FOUND DEAD. THE ANIMAL APPEARED TO HAVE BEEN SHOT, AND BOTH ENTRY AND EXIT WOUNDS WERE EVIDENT. THE PROJECTILE PENETRATED FROM THE LEFT THORACIC TO RIGHT THORACIC AREA.	DEAD	N/A	1	N	Y
HARBOR SEAL	CALIFORNIA WASHINGTON NORTHERN INLAND WATERS	2015	9	18	HOOK AND LINE FISHERY	MONTEREY	CA	DEAD	FISHING LINE WRAPPED AROUND NECK AND SEEMS TO EXTEND INTO THE BODY AS IF SWALLOWED. ONLY HALF OF LOWER MANDIBLE REMAINING.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	9	23	GILLNET FISHERY	SAN JUAN	WA	DEAD	A FRESH DEAD HARBOR SEAL AND TWO BIRDS WERE FOUND ENTANGLED IN A DERLICT / ABDONDED GILLNET.	DEAD	N/A	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	9	24	GILLNET FISHERY	SAN JUAN	WA	DEAD	A HARBOR SEAL WAS FOUND DEAD AND ENTANGLED IN GILLNET. THE SEAL WAS IN A STATE OF MODERATE DECOMPOSITION.	DEAD	N/A	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	9	24	SEAL BOMB	SNOHOMISH	WA	SI	A HARBOR SEAL WAS OBSERVED IN EDMONDS THAT WAS BLEEDING HEAVILY FROM ITS NOSE AND WITH OBVIOUS INJURIES TO ITS EYES. CAPTURE ATTEMPTS BY NOAA AND THE SEATTLE AQUARIUM WERE UNSUCCESSFUL. THE ANIMAL WAS NOT SEEN AGAIN. THE REPORTING PARTY BELIEVED THE SEAL'S INJURIES WERE SUSTAINED WHEN THE SEAL INGESTED A SEAL BOMB.	SI	P9	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	9	26	ENTRAPMENT	KITSAP	WA	NSI	A HARBOR SEAL CLIMBED ONTO A BOAT AND AFTERWARD WAS UNABLE TO CLIMB OUT AND RETURN TO THE WATER. THE SEAL REMAINED ABOARD OVERNIGHT UNTIL THE REPORTING PARTY ARRIVED AND WAS ABLE TO POSITION A BOARD IN SUCH A FASHION THAT THE SEAL WAS ABLE TO CLIMB OFF THE BOAT AND INTO THE WATER.	NSI	P9	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	9	29	SHOOTING	WHATCOM	WA	DEAD	A FEMALE HARBOR SEAL WAS FOUND DEAD. A RADIOGRAPH CONFIRMED THE ANIMAL HAD BEEN SHOT. THERE WERE MULTIPLE PROJECTILES IDENTIFIED IN THE ANIMAL'S SKULL.	DEAD	N/A	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2015	10	4	SHOOTING	CLATSOP	OR	DEAD	A SUBADULT FEMALE HARBOR SEAL WAS FOUND DEAD. THE ANIMAL APPEARED TO BE SHOT. THERE WERE CLEAR ENTRANCE AND EXIT WOUNDS IN THE ANIMAL'S SKULL AND ASSOCIATED HEMORRHAGING.	DEAD	N/A	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	10	13	SHOOTING	WHATCOM	WA	DEAD	AN ADULT FEMALE HARBOR SEAL WAS FOUND DEAD WITH WHAT WAS NOTED TO BE A "CLEAR BULLET WOUND." FURTHER INVESTIGATION REVEALED A TRACKING WOUND. NO BULLET WAS RECOVERED.	DEAD	N/A	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	10	14	GILLNET FISHERY	SAN JUAN	WA	DEAD	THREE HARBOR SEALS WERE FOUND ENTANGLED IN SUBMERGED GILLNET. EACH SEAL WAS FRESH DEAD. THIS IS SEAL ONE OF THREE.	DEAD	N/A	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	10	14	GILLNET FISHERY	SAN JUAN	WA	DEAD	THREE HARBOR SEALS WERE FOUND ENTANGLED IN SUBMERGED GILLNET. EACH SEAL WAS FRESH DEAD. THIS IS SEAL TWO OF THREE.	DEAD	N/A	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2015	10	14	UNIDENTIFIED FISHERY INTERACTION	SAN JUAN	WA	DEAD	THREE HARBOR SEALS WERE FOUND ENTANGLED IN SUBMERGED GILLNET. EACH SEAL WAS FRESH DEAD. THIS IS SEAL THREE OF THREE.	DEAD	N/A	1	Y	Y

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HARBOR SEAL	SOUTHERN PUGET SOUND	2015	10	18	ENTRAPMENT	PIERCE	WA	DEAD	AN ADULT MALE HARBOR SEAL WAS OBSERVED CAUGHT IN A GATE BETWEEN TWO PONDS AT A CITY PARK. THE ANIMAL APPEARED TO BE FRESH DEAD. THE CARCASS WAS RECOVERED A COUPLE DAYS LATER WHEN IT WAS FLOATING IN THE MIDDLE OF ONE OF THE PONDS. THE SEAL HAD BROKEN AND MISSING UPPER AND LOWER TEETH AS WELL AS HEMORRHAGING UNDER ITS MOUTH. STRANDING RESPONDERS SUSPECT THESE INJURIES WERE SUSTAINED WHEN THE ANIMAL WAS TRAPPED IN THE GATE.	DEAD	N/A	1	N	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2015	10	24	HOOK AND LINE FISHERY	LINCOLN	OR	SI	A ROBUST, WEANED, HARBOR SEAL PUP WAS OBSERVED HAULED OUT WITH A FISHING LURE HANGING FROM ITS MOUTH.	SI	P2	1	N	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2015	10	30	SET GILLNET FISHERY INTERACTION	PIERCE	WA	DEAD	A FRESH DEAD SUBADULT MALE HARBOR SEAL WAS FOUND IN THE VICINITY OF ACTIVE SET GILLNET FISHING. THE ANIMAL HAD LINEAR LACERATIONS ON BOTH EYES CONSISTENT WITH ENTANGLEMENT AND MULTIPLE PUNCTURE WOUNDS ON THE ABDOMEN AND CHEST, POSSIBLY FROM A GAFF. BOTH FRONT AND BACK FLIPPERS WERE ALSO SEVERED.	DEAD	N/A	1	Y	Y
HARBOR SEAL	OREGON-WASHINGTON COAST	2015	11	18	UNIDENTIFIED FISHERY INTERACTION	CLALLAM	WA	DEAD	A HARBOR SEAL WAS FOUND FRESH DEAD WITH A CIRCUMFERENTIAL NECK ENTANGLEMENT CAUSED BY WHAT APPEARED TO BE GHOST TRAWL NET. THE NET HAD PELAGIC GOOSENECK BARNACLES GROWING ON IT INDICATING THAT IT HAD BEEN ADRIFT FOR A WHILE.	DEAD	N/A	1	Y	Y
HARBOR SEAL	CALIFORNIA	2016	1	17	HARASSMENT	SAN DIEGO	CA	NSI	APPARENTLY HEALTHY NEONATE WITH UMBILICUS WAS REMOVED FROM BEACH BY PUBLIC. TREATED AT REHAB FACILITY AND RELEASED. ANIMAL WAS ALSO DOCUMENTED ON 3/23 AND 3/24 BEING HANDLED BY THE PUBLIC.	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2016	1	24	HARASSMENT	SAN DIEGO	CA	NSI	APPARENTLY HEALTHY NEONATE WAS REMOVED FROM BEACH BY PUBLIC. DIED IN REHAB FACILITY.	DEAD	P14	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	2	23	HOOK AND LINE FISHERY	KITSAP	WA	DEAD	A HARBOR SEAL WAS FOUND DEAD ON A PUBLIC BEACH. A LIMITED NECROPSY WAS CONDUCTED, AND A FISHING HOOK AND LINE WAS FOUND LODGED IN THE SEAL'S INTESTINES.	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2016	2	24	HARASSMENT	SAN LUIS OBISPO	CA	NSI	UNDERWEIGHT ANIMAL WITH FRESHLY ABSENT UMBILICUS HANDLED BY PUBLIC. TREATED AT REHAB FACILITY AND RELEASED.	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2016	2	25	HARASSMENT	SAN DIEGO	CA	NSI	NEONATE WITH ATTACHED UMBILICUS WAS REMOVED FROM BEACH BY PUBLIC. ANIMAL WAS LETHARGIC WITH LABORED BREATHING. TREATED AT REHAB FACILITY AND RELEASED.	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2016	2	28	HARASSMENT	MARIN	CA	NSI	MILDLY UNDERWEIGHT NEONATE REMOVED FROM BEACH BY PUBLIC. DIED IN REHAB.	DEAD	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2016	2	29	HARASSMENT	MARIN	CA	NSI	HARASSED - NETTED OUT OF WATER BY PUBLIC, MODERATELY UNDERWEIGHT, VOCAL, FULL LANUGO COAT, 3-4 CM UMBILICUS DRY AT TIP PRESENT. TREATED AT REHAB FACILITY AND RELEASED.	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2016	3	1	HARASSMENT	MARIN	CA	NSI	REMOVED FROM WILD BY KAYAKER AND BROUGHT TO CAMPGROUND, FULL LANUGO COAT, FRESH PINK UMBILICUS PRESENT, EMACIATED. TREATED AT REHAB FACILITY AND RELEASED.	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2016	3	2	HARASSMENT	MARIN	CA	NSI	REMOVED FROM WILD BY PUBLIC. MODERATELY UNDERWEIGHT, FULL LANUGO COAT WITH 3 CM DRIED UMBILICUS PRESENT. TREATED AT REHAB FACILITY AND RELEASED.	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2016	3	15	HARASSMENT	SAN LUIS OBISPO	CA	NSI	HARASSED - ON TARP BEING PULLED AWAY FROM THE WATER BY MEMBER OF THE PUBLIC, FULL LANUGO COAT, EMACIATED. TREATED AT REHAB AND RELEASED.	SI	P14	1	N	Y

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HARBOR SEAL	CALIFORNIA	2016	3	16	HARASSMENT	MARIN	CA	NSI	HARASSED - PUBLIC PULLED OUT OF WATER, MODERATELY UNDERWEIGHT, FULL LANUGO COAT, 3 CM LONG UMBILICUS DRY AT TIP PRESENT. TREATED AT REHAB FACILITY AND RELEASED.	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2016	3	20	HARASSMENT	HUMBOLDT	CA	NSI	BEING FED BY MEMBERS OF THE PUBLIC. FOUND ON A PICNIC TABLE. DIED IN REHAB.	SI	P14	1	N	Y
HARBOR SEAL	OREGON - WASHINGTON COAST	2016	3	25	SHOOTING	NA	OR	DEAD	A HARBOR SEAL WAS FOUND IN A STATE OF MODERATE DECOMPOSITION AND A NECROPSY WAS CONDUCTED. PELLET HOLES THROUGHOUT THE SKULL AND BODY AS WELL AS BLOODY FLUID IN THE THORACIC CAVITY INDICATED THE ANIMAL HAD BEEN SHOT.	DEAD	NA	1	N	Y
HARBOR SEAL	HOOD CANAL	2016	4	4	MARINE DEBRIS	NA	WA	DEAD	A HARBOR SEAL WAS FOUND ENTANGLED IN BUOY LINES THAT SUPPORTED CAGES CONTAINING MUSSELS BEING GROWN TO MONITOR FOR ENVIRONMENTAL CONTAMINATION DURING A REMEDIATION PROJECT.	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2016	4	12	HARASSMENT	MARIN	CA	NSI	REMOVED FROM WILD BY PUBLIC, EMACIATED, UMBILICUS FRESHLY ABSENT. TREATED AT REHAB FACILITY AND RELEASED.	SI	P14	1	N	Y
HARBOR SEAL	CALIFORNIA	2016	4	26	DOG ATTACK	HUMBOLDT	CA	SI	UNDERWEIGHT ANIMAL WITH DOG BITES. DIED IN REHAB FACILITY.	DEAD	P9	1	N	Y
HARBOR SEAL	OREGON - WASHINGTON COAST	2016	4	26	SHOOTING	NA	WA	DEAD	A HARBOR SEAL WAS FOUND IN A STATE OF ADVANCED DECOMPOSITION AND A NECROPSY WAS CONDUCTED. PELLET SIZED PENETRATING WOUNDS IN THE HEAD AND BODY, WITH ASSOCIATED HEMORRHAGING INDICATED THE ANIMAL HAD BEEN SHOT.	DEAD	NA	1	N	Y
HARBOR SEAL	CALIFORNIA	2016	5	11	HARASSMENT	MARIN	CA	NSI	MODERATELY UNDERWEIGHT, UMBILICUS ABSENT SITE CLOSED AND HEALED, HARASSED - PUBLIC TRYING TO DRAG TO WATER, SMALL TAR PATCHES ON MULTIPLE PARTS OF BODY.	SI	P14	1	N	Y
HARBOR SEAL	OREGON - WASHINGTON COAST	2016	5	21	HARASSMENT	GRAYS HARBOR	WA	ALIVE	AN EMACIATED HARBOR SEAL PUP WAS REMOVED FROM A BEACH, BROUGHT TO A CONDO, AND FED MILK BY A MEMBER OF THE PUBLIC. IT ASPIRATED MILK INTO ITS AIRWAY, AND LATER DIED.	DEAD	P14	1	N	Y
HARBOR SEAL	OREGON - WASHINGTON COAST	2016	5	26	HARASSMENT	NA	OR	ALIVE	A HARBOR SEAL WAS REPORTEDLY PICKED UP BY A MEMBER OF THE PUBLIC, MOVED FROM ITS ORIGINAL LOCATION, AND LATER RETURNED TO ITS ORIGINAL LOCATION. IT WAS LATER FOUND DEAD.	DEAD	P14	1	N	Y
HARBOR SEAL	OREGON - WASHINGTON COAST	2016	6	10	SHOOTING	NA	OR	DEAD	A HARBOR SEAL WAS FOUND IN A STATE OF ADVANCED DECOMPOSITION AND A NECROPSY WAS CONDUCTED. THERE WERE BULLET ENTRANCE AND EXIT WOUNDS IN THE SKULL, AND HEMORRHAGE THROUGHOUT THE BODY INDICATED THE ANIMAL HAD BEEN SHOT.	DEAD	NA	1	N	Y
HARBOR SEAL	OREGON - WASHINGTON COAST	2016	6	16	SHOOTING	NA	OR	DEAD	A HARBOR SEAL WAS FOUND IN A STATE OF MODERATE DECOMPOSITION AND A NECROPSY WAS CONDUCTED. A HOLE IN THE HEAD WITH ASSOCIATED HOMORHAGE INDICATED THE ANIMAL HAD BEEN SHOT. OTHERWISE THE ANIMAL WAS IN EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	6	23	HARASSMENT	NA	WA	NSI	A HARBOR SEAL PUP THAT HAULED OUT IN A DOG PARK WAS OBSERVED BEING HELD BY MEMBERS OF THE PUBLIC. OVER REPEATED OBSERVATIONS THE SEAL PUP DID NOT MOVE LOCATION AND THE MOTHER WAS NOT ATTENDENT, SO THE PUP WAS TRANSPORTED TO A REHABILITATION CENTER AND LATER RELEASED.	NSI	P14	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	7	3	HARASSMENT	PIERCE	WA	NSI	A HARBOR SEAL PUP BOARDED A SAILBOAT, BUT WAS UNABLE TO EXIT AFTER CLIMBING ABOARD. WDFW RESPONDED AND REMOVED THE SEAL. THE SEAL WAS REPORTED TO APPEAR HEALTHY.	NSI	P9	0	N	N

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	8	1	HARASSMENT	NA	WA	NSI	A LIVE HARBOR SEAL PUP HAD REPORTEDLY BEEN OBSERVED BEING HIT BY PEOPLE. THE SEAL WAS DEAD WHEN THE STRANDING RESPONDER ARRIVED. A NECROPSY WAS CONDUCTED, AND THE SEAL HAD A BROKEN JAW.	DEAD	P9	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	8	2	HARASSMENT	KITSAP	WA	NSI	A HARBOR SEAL PUP WAS SEEN FOR DAYS HAULED OUT ON A HIGH-USE CITY DOCK. THE MOTHER WAS NOT IN ATTENDANCE, WHICH MAY HAVE BEEN DUE TO THE HIGH PUBLIC USE OF THE AREA. THE PUP WAS CAPTURED AND SENT TO A REHABILITATION CENTER WHERE IT LATER DIED.	DEAD	P14	1	N	Y
HARBOR SEAL	OREGON - WASHINGTON COAST	2016	8	10	HOOK AND LINE FISHERY	NA	OR	DEAD	A HARBOR SEAL WAS FOUND IN A STATE OF MODERATE DECOMPOSITION AND A NECROPSY WAS CONDUCTED. A FISH HOOK AND LINE WAS FOUND IN THE INTESTINES AND THERE WAS A SUBSTANTIAL AMOUNT OF BLOODY FLUID IN THE THORACIC AND ABDOMINAL CAVITIES.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	8	11	GILLNET FISHERY	KITSAP	WA	DEAD	A FRESH DEAD HARBOR SEAL WAS FOUND FLOATING IN AN AREA ACTIVELY BEING FISHED WITH GILLNETS. THE SEAL HAD NET-LIKE LINEAR IMPRESSIONS ON ITS EYES, CHEST, SHOULDERS, AND PELVIS.	DEAD	NA	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	8	15	GILLNET FISHERY	KITSAP	WA	DEAD	A HARBOR SEAL WAS FOUND FLOATING IN A STATE OF MODERATE DECOMPOSITION AND A NECROPSY WAS CONDUCTED. THE CARCASS DISPLAYED CIRCULAR HEMORRHAGING AROUND THE LOWER JAW, HEAD, NECK, AND PELVIS. THERE WAS GILLNET FISHING OCCURRING IN THE AREA.	NA	NA	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	8	15	GILLNET FISHERY	KITSAP	WA	DEAD	A HARBOR SEAL WAS FOUND FLOATING IN A STATE OF MODERATE DECOMPOSITION AND A NECROPSY WAS CONDUCTED. THERE WAS CIRCULAR HEMORRHAGING AROUND THE LOWER JAW AND BASE OF THE NECK.	NA	NA	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	8	15	GILLNET FISHERY	KITSAP	WA	DEAD	A HARBOR SEAL WAS FOUND FLOATING FRESHLY DEAD. A NECROPSY WAS CONDUCTED. THERE WAS HEMORRHAGE AROUND THE HEAD, NECK, AND MID-BELLY.	NA	NA	1	Y	Y
HARBOR SEAL	NORTHERN OREGON - WASHINGTON COAST	2016	8	24	UNIDENTIFIED FISHERY INTERACTION	NA	WA	DEAD	A HARBOR SEAL WAS FOUND IN A STATE OF MODERATE DECOMPOSITION AND A NECROPSY WAS CONDUCTED. THERE WAS LINEAR HEMORRHAGE JUST BEHIND THE JAW EXTENDING VENTRALLY, HEMORRHAGE IN THE NECK AND BODY, RIB MARKS ON THE LUNG, AND THE SEAL WAS IN EXCELLENT BODY CONDITION.	DEAD	NA	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	8	25	GILLNET FISHERY	NA	WA	DEAD	A HARBOR SEAL WAS FOUND FLOATING FRESHLY DEAD. A NECROPSY WAS CONDUCTED. THE EXAMINER NOTED LINEAR LINES/IMPRESSIONS ACROSS THE EYE. THE HEAD WAS ALSO BLOODY AND SWOLLEN, AND THE SKULL WAS LIKELY FRACTURED. IT APPEARED THE SEAL HAD BECOME ENTANGLED AND WAS THEN BLUDGEONED. GILLNET FISHING WAS OCCURRING NEARBY.	DEAD	NA	1	Y	Y
HARBOR SEAL	CALIFORNIA	2016	8	26	SHOOTING	MARIN	CA	SI	FOUND ALIVE IN SURF WITH BLEEDING FROM THE HEAD. APPROACHABLE, GOOD BODY CONDITION. RADIOLOGY AT TMMC FOUND A CRANIAL FRACTURE WITH A BULLET AND FRAGMENT SCATTER IN THE SOFT TISSUES OF THE LEFT SIDE OF THE HEAD. EUTHANIZED IN REHAB.	DEAD	P9	1	N	Y

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HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	8	27	GILLNET FISHERY	NA	WA	DEAD	A HARBOR SEAL WAS FOUND FLOATING FRESHLY DEAD. A NECROPSY WAS CONDUCTED. THE EXAMINER NOTED LINEAR LINES/IMPRESSIONS ACROSS THE EYE. THE HEAD WAS ALSO BLOODY AND SWOLLEN, AND THE SKULL WAS LIKELY FRACTURED. IT APPEARED THE SEAL HAD BECOME ENTANGLED AND WAS THEN BLUDGEONED. GILLNET FISHING WAS OCCURRING NEARBY.	DEAD	NA	1	Y	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	8	31	VESSEL STRIKE	SAN JUAN	WA	DEAD	A FRESHLY DEAD HARBOR SEAL WAS FOUND STRANDED WITH TWO PARALLEL SLICES ON ITS DORSAL SIDE THAT APPEARED TO BE A PROPELLER INJURY.	DEAD	NA	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	9	2	GILLNET FISHERY	NA	WA	DEAD	A HARBOR SEAL WAS FOUND FLOATING DEAD IN A STATE OF MODERATE DECOMPOSITION. A NECROPSY WAS CONDUCTED. IN ADDITION TO LINEAR IMPRESSIONS, THE SEAL HAD THREE DEEP LINEAR CUTS ON THE HEAD AND SHOULDER.	DEAD	NA	1	Y	Y
HARBOR SEAL	CALIFORNIA	2016	9	11	SHOOTING	DEL NORTE	CA	DEAD	CARCASS NECROPSIED. APPARENT GUN SHOT WOUND TO THE HEAD, BULLET NOT FOUND.	DEAD	P9	1	N	Y
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	9	22	HOOK AND LINE FISHERY	NA	WA	NSI	A HARBOR SEAL PUP WITH A 4 OZ FISHING LURE HOOKED TO ITS HIND FLIPPER WAS CAPTURED, THE HOOK WAS REMOVED, AND THE ANIMAL WAS RELEASED.	NSI	P5C	0	N	N
HARBOR SEAL	WASHINGTON NORTHERN INLAND WATERS	2016	9	25	GILLNET FISHERY	NA	WA	DEAD	A HARBOR SEAL WAS FOUND DEAD, FLOATING IN A HARBOR. THE SEAL HAD NET IMPRESSIONS / INDICATIONS ON ITS BODY AND GILLNET FISHING WAS OCCURRING IN THE AREA.	DEAD	NA	1	Y	Y
HARBOR SEAL	SOUTHERN PUGET SOUND	2016	9	29	GILLNET FISHERY	NA	WA	DEAD	A HARBOR SEAL PUP WAS FOUND DEAD IN A STATE OF MODERATE DECOMPOSITION. THE PUP APPEARED AS IF IT HAD BEEN WRAPPED/ENTANGLED IN ROPE OR NET, AND THERE WAS SUBSTANTIAL HEMORRHAGE AROUND THE CHEST, LEADING EDGE OF FORE FLIPPERS, AND NOSE. THE ANIMAL ALSO HAD A PUNCTURED LEFT EYE. THERE WAS SALMON GILLNET FISHING OCCURRING IN THE AREA.	DEAD	NA	1	Y	Y
HARBOR SEAL	CALIFORNIA	2016	10	14	SHOOTING	HUMBOLDT	CA	DEAD	CARCASS FOUND AT THE BASE OF INDIAN BEACH TRAIL STAIRS APPROXIMATELY 100 YARDS SOUTH. HOOK WAS EMBEDDED ON THE RIGHT SIDE OF THE ANIMALS NECK AND LINE WAS WRAPPED IN KELP MASS NEARBY. APPARENT GUN SHOT WOUND TO THE HEAD. PENETRATING WOUND WITH CLEAN MARGINS ON FRESH CARCASS WITH MINIMAL TO NO SCAVENGING PRESENT.	DEAD	P9	1	N	Y
HARBOR SEAL	HOOD CANAL	2016	10	18	UNIDENTIFIED FISHERY INTERACTION	NA	WA	DEAD	A HARBOR SEAL PUP WAS FOUND STRANDED WITH ALL TISSUE REMOVED FROM ITS SHOULDERS TO ITS EYES, AND WHAT APPEARED TO BE A PENETRATING GAFF WOUND ON ITS HEAD.	DEAD	NA	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2012	5	13	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MONTEREY	CA	SI (PRORATE)	DIVE BOAT REPORTED A 25-FOOT HUMPBACK WHALE ENTANGLED IN LINE WITH A OBLONG ORANGE BUOY TRAILING 10 - 15 FEET BEHIND THE ANIMAL. ANIMAL IS MOBILE AND HEADING TOWARDS NW. INJURIES AT BASE OF CAUDAL PEDUNCLE AND ALONG LEADING EDGE OF FLUKES; INJURIES LOOK OLDER WITH SOME GROWTH ON TIP OF FLUKE; LONG ORANGE BUOY ON 10-15 FT OF LINE TRAILING; RESIGHTED 5/14 AND 5/15; NO RESPONSE ATTEMPTED.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2012	6	8	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	SUBADULT, 35-FOOT, HUMPBACK WHALE REPORTED BY MULTIPLE PARTIES LATE IN THE DAY ENTANGLED IN APPROXIMATELY 1/2", YELLOW LINE AROUND TAIL AND PECTORAL FLIPPERS NO BUOYS WERE OBSERVED AND NO INDICATION OF ANIMAL'S CONDITION. ANIMAL HEADING WEST IN HEAVY SEA STATE.	SI (PRORATE)	L10	0.75	Y	Y

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HUMPBACK WHALE	CA-OR-WA	2012	7	12	DUNGENESS CRAB POT FISHERY	TILLAMOOK	OR	SI (PRORATE)	REPORTED TO HAVE LINES WRAPPED AROUND THE TAIL WITH SEVERAL BOUYS. FISHERMAN ON SCENE CUT ALL BOUYS AND AS MUCH LINE AS POSSIBLE FROM THE ANIMAL WHILE IT "REMAINED COMPLACENT AT THE SURFACE." SOME LINE WAS NOT REMOVED FROM THE WHALE FROM THE TAIL AREA AND WAS REPORTED AS BEING "EXHAUSTED BUT HEALTHY." AFTER DISENTANGLMENT THE WHALE STARTED MOVING SLOWLY SOUTHWARD. NO CONFIRMATION THAT ALL GEAR WAS REMOVED, GEAR CONFIGURATION UNKNOWN. NEAR NETARTS, OR.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2013	6	10	VESSEL STRIKE	MARIN	CA	DEAD	LATER EXAM OF BONES FOUND NO DAMAGE TO SKULL BUT TRAUMA TO VERTEBRAE AND PERHAPS RIBS IN AREA BEHIND SKULL, BROKEN BACK; SIGNIFICANT PARASITE LOAD; FRACTURED BOD OF TWO VERTEBRAE.	DEAD	NA	1	N	Y
HUMPBACK WHALE	CA-OR-WA	2014	4	27	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI	CDFW DUNGENESS CRAB TRAP + 200 FT OF LINE; FISHERMEN SET GEAR IN MONTEREY BAY. RESPONSE EFFORT INITIATED ON 4-27 IN MONTEREY, SATELLITE TAG APPLIED TO WHALE TO ALLOW TRACKING. WEATHER DID NOT ALLOW FOR DISENTANGLEMENT EFFORT IMMEDIATELY AND WHALE WAS TRACKED TO SANTA BARBARA, WHERE ON 14 MAY IT IS COMPLETELY DISENTANGLED BY WHALE ENTANGLEMENT TEAM. DEEP LACERATION IS NOTED ON CAUDAL PEDUNCLE AND IS APPARENT FROM PHOTOS. GEAR DESCRIBED AS WRAPPED TIGHTLY AND TWISTED AROUND FLUKES THREE TIMES. ANIMAL WAS RESIGHTED IN JUNE 2014 IN MONTEREY AND INJURY WAS NO LONGER CONSIDERED LIFE-THREATENING.	NSI	L2	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2014	5	1	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MONTEREY	CA	SI	MULTIPLE TIGHT WRAPS OF MODERATE GAUGE, LIKELY BLUE STEEL LINE, AROUND BODY AND LIKELY AROUND RIGHT PECTORAL FLIPPER, SUCH THAT THE RIGHT FLIPPER IS PULLED Laterally and up towards the surface. NO GEAR OBSERVED TRAILING. ANIMAL ASSESSED BUT NO RESPONSE. POTENTIALLY LIFE THREATENING ENTANGLEMENT. DESCRIBED AS CRAB POT GEAR ON MARINELIFESTUDIES.ORG NARRATIVE. CLASSIFIED AS 'L2' DUE TO DESCRIPTION OF GEAR BEING TIGHTLY WRAPPED AROUND ANIMAL.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2014	5	6	DUNGENESS CRAB POT FISHERY (OREGON)	GRAYS HARBOR	WA	SI	SUCCESSFUL DISENTANGLEMENT OF WHALE BY CASCADIA RESEARCH. WHEN ENCOUNTERED, WHALE WAS IMMOBILIZED BY GEAR AROUND TAILSTOCK AND FLUKES. WHALE WAS DESCRIBED AS ONLY MOVING VERTICALLY IN THE WATER COLUMN, WITH LITTLE HORIZONTAL MOVEMENT. THE WHALE SWAM RAPIDLY AWAY AFTER DISENTANGLEMENT AND WAS NOT RESIGHTED. GEAR POSITIVELY-IDENTIFIED AS OREGON CRAB POT GEAR BY BUOY NUMBER. GEAR HAD BEEN SET 50 MILES SOUTH OF WHERE WHALE WAS ENCOUNTERED APPROXIMATELY ONE WEEK PRIOR.	NSI	L2	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2014	5	6	UNIDENTIFIED FISHERY INTERACTION	SAN LUIS OBISPO	CA	SI (PRORATE)	DRAGGING SIGNIFICANT AMOUNT OF GEAR OFF PISMO BEACH; HEADING SLOWLY NORTH; POSSIBLY LIFE THREATENING; NO IMMEDIATE RESPONSE POSSIBLE DUE TO WEATHER. SEVERITY OF ENTANGLEMENT AND CONFIGURATION OF GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y

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HUMPBACK WHALE	CA-OR-WA	2014	5	22	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	LOS ANGELES	CA	DEAD	BLUE / GREEN POLYPROPYLENE LINE AND ASSOCIATED BULLET BUOYS FOUND ON A SEVERED PAIR OF HUMPBACK FLUKES WEST OF SAN CLEMENTE ISLAND. PHOTOS AND SAMPLE TAKEN BY BIOLOGIST J. STAHL. NUMBERS ON BUOYS IDENTIFIED IT AS CALIFORNIA DUNGENESS CRAB POT GEAR SET IN THE FARALLONS AND HALF MOON BAY AREA IN MARCH/APRIL. TWO SETS OF GEAR ON SAME WHALE. SPECIES ID VIA GENETICS AT SWFSC.	DEAD	NA	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2014	6	5	CA SPOT PRAWN TRAP FISHERY	SANTA BARBARA	CA	SI	SPOT PRAWN TRAPS - ENTANGLED IN MIDDLE OF 10 TRAP SET WITH OVER 2,000 FEET OF GREEN AND BLACK POLYPROPYLENE ROPE AND ANCHOR. ROPE ENCIRCLED MIDDLE OF WHALE A COUPLE OF TIMES AND PINNED ONE OF THE WHALE'S PECTORAL FLIPPERS. FLUKES WERE IMMOBILIZED AS WELL. GEAR TYPE CONFIRMED BY BUOY NUMBERS AND FISHERMAN WHO WAS CONTACTED. GEAR HAD BEEN SET APPROX. 2 MILES FROM WHERE WHALE WAS FOUND. RESCUE EFFORT INITIATED, ANIMAL COMPLETELY DISENTANGLED AND SWAM TOWARDS SANTA CRUZ ISLAND. SOME DETAILS OF THIS ACCOUNT WERE TAKEN FROM THE CONDOR EXPRESS VESSEL WEBSITE: <a href="http://condorexpress.com/blog/2014/06/08/entangled-humpback-whale-set-free/">http://condorexpress.com/blog/2014/06/08/entangled-humpback-whale-set-free/</a>	NSI	L2	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2014	6	27	UNIDENTIFIED FISHERY INTERACTION	SAN LUIS OBISPO	CA	DEAD	DEEP ENTANGLEMENT WOUNDS ON TAIL STOCK; DEAD STRANDING; NOT WHALE FROM 4/27/2014--CONFIRMED VIA PHOTO ID; GEAR DOES NOT APPEAR TO BE PRESENT ON CARCASS.	DEAD	NA	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2014	7	19	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI	ENTANGLED WITH SIGNIFICANT WRAPS OF LINE AND GEAR AROUND BODY. PHOTOS OF LARGE GAUGE ROPE CUTTING THROUGH PECTORAL FLIPPER AND WRAPPED AROUND BODY. REPORTING PARTY APPROACHED THE WHALE IN AN ATTEMPT TO REMOVE GEAR, BUT WHALE DOVE AND WAS NOT RESIGHTED.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2014	7	25	VESSEL STRIKE	MONTEREY	CA	NSI	WHALE SURFACED 30 FEET IN FRONT OF 57.8 FT COMMERCIAL FISHING VESSEL MOVING AT 7.5 KTS. WHALE SLAPPED TAIL AND APPARENTLY STRUCK BOW. WHALE DESCRIBED AS UNINJURED, 'COSMETIC' DAMAGE ABOVE WATERLINE ON VESSEL INDICATED ON SELF-REPORTING FORM. WHALE RESURFACED AND DOVE WITH NO APPARENT INJURY. LARGE WHALE CRITERIA L6C APPLIED FOR NON-SERIOUS INJURY AS VESSEL WAS MOVING <10 KTS AND NO DISCERNABLE INJURY TO WHALE.	NSI	L6C	0	N	N
HUMPBACK WHALE	CA-OR-WA	2014	7	25	VESSEL STRIKE	MONTEREY	CA	NSI	WHALE SURFACED 30 FEET IN FRONT OF 57.8 FT COMMERCIAL FISHING VESSEL MOVING AT 7.5 KTS. WHALE SLAPPED TAIL AND APPARENTLY STRUCK BOW. WHALE DESCRIBED AS UNINJURED, 'COSMETIC' DAMAGE ABOVE WATERLINE ON VESSEL INDICATED ON SELF-REPORTING FORM. WHALE RESURFACED AND DOVE WITH NO APPARENT INJURY. LARGE WHALE CRITERIA L6C APPLIED FOR NON-SERIOUS INJURY AS VESSEL WAS MOVING <10 KTS AND NO DISCERNABLE INJURY TO WHALE.	NSI	L6C	0	N	N
HUMPBACK WHALE	CA-OR-WA	2014	8	16	UNIDENTIFIED FISHERY INTERACTION	GRAYS HARBOR	WA	DEAD	FRESHLY DEAD, SIGNS OF RECENT ENTANGLEMENT AT TAILSTOCK AND FLUKES: 3-5 LINES, TISSUE NECROTIC, CELLULITIS. NO LINES OR GEAR RECOVERED. PHOTOS SENT TO CA, NO MATCH TO RECENTLY DISENTANGLED WHALES. DID NOT MATCH WHALE DISENTANGLED OFF WA COAST EARLIER THIS YEAR.	DEAD	NA	1	Y	Y

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HUMPBACK WHALE	CA-OR-WA	2014	8	28	DUNGENESS CRAB POT FISHERY	MONTEREY	CA	SI	DUNGENESS CRAB TRAP ATTACHED, NO LICENSE NUMBER; BLUE POLYLINE, WEATHERED BUOY, DUNGENESS CRAB POT; HEAD RAISES AND CHIN SLAPS; SELF RELEASE AFTER BOAT FENDER WAS ATTACHED AS MEANS OF RELOCATING ANIMAL, RESIGHTED GEAR FREE.	NSI	L3	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2014	9	12	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MONTEREY	CA	SI (PRORATE)	ENTANGLED HUMPBACK WHALE WITH TWO BULLET BUOYS TRAILING ORANGE AND YELLOW AND 10-20 FT OF LINE. ANIMAL LOST DUE TO BAD SEA STATE CONDITIONS; LIKELY TRAP; ENTANGLEMENT DOES NOT INVOLVE FLUKES OR PEDUNCLE AND IS BELIEVED TO INVOLVE PECTORAL FLIPPERS AND MOUTH; PHOTO IN ACCESS DATABASE.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2014	9	13	CA SPOT PRAWN TRAP FISHERY	MONTEREY	CA	SI	SPOT PRAWN TRAPS - ENTANGLED WITH 25 TRAP SET--INITIALLY ONLY CUT OFF SOME GEAR BUT WHALE SHED REST OF GEAR AND SATELLITE PACKAGE LATER. GEAR ACTUALLY RETRIEVED BUT SATELLITE PACKAGE LOST.	NSI	L3	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2014	9	19	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	LINCOLN	OR	SI (PRORATE)	POSSIBLE RESIGHT OF WHALE SEEN PREVIOUS DAY? SEEN BY NOAA BIOLOGIST (SB) DURING LEATHERBACK SURVEYS OFF SEAL ROCK AREA. WHALE TRAILING 3 YELLOW BUOYS AND 150 OF LINE. ESTIMATED TRAVEL AT 5 KTS.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2014	9	20	CA SPOT PRAWN TRAP FISHERY	MONTEREY	CA	SI	SPOT PRAWN TRAPS - ENTANGLED WITH 25 TRAP SET--INITIALLY CUT OFF SOME GEAR BUT WHALE SHED REST OF GEAR AND SATELLITE PACKAGE LATER. GEAR RETRIEVED BUT SATELLITE PACKAGE LOST. GEAR INVOLVED SAME VESSEL AS 9/13 ENTANGLEMENT. VESSEL HAD SET GEAR IN CLOSE PROXIMITY AND BOTH GEAR SETS ENTANGLED DIFFERENT WHALES WITHIN A WEEK.	NSI	L3	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2014	9	20	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	CLALLAM	WA	SI (PRORATE)	SEEN BY NOAA BIOLOGIST (SB) DURING LEATHERBACK SURVEYS OFF LA PUSH, WA. WHALE TRAILING 3 YELLOW AND ONE RED BUOY MULTIPLE TRAILING LINES. NOT A RESIGHT OF WHALE SEEN PREVIOUS DAY BECAUSE DISTANCE COVERED (240 MILES) IS TOO GREAT. PHOTO AVAILABLE.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2014	9	21	CA SPOT PRAWN TRAP FISHERY	MONTEREY	CA	SI (PRORATE)	FREE-SWIMMING ANIMAL; CARRYING BUOYS LIKELY SAME SET FROM 9/20/14 THAT WAS SHED FROM OTHER ANIMAL. ASSUMED TO BE DIFFERENT ANIMAL BECAUSE OF LACK OF DETAIL ON RECORD.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2014	10	5	VESSEL STRIKE	SAN DIEGO	CA	SI	LARGE LACERATION ACROSS BACK BETWEEN BLOWHOLE AND DORSAL FIN. LACERATION APPROXIMATELY 4 INCHES LONG AND 10 INCHES DEEP. MAINLY USING LEFT PECTORAL FLIPPER FOR MOBILITY, OCCASIONALLY FLUKES, NOT AT ALL WITH RIGHT PECTORAL FLIPPER. ASSUMPTION IS BOAT STRIKE. DID NOT APPEAR TO BE TOO THIN, BUT IT WAS OBVIOUS THIS ANIMAL WAS UNABLE TO DIVE OR USE ITS RIGHT PECTORAL FLIPPER AND ONLY SOME MOVEMENT FROM TAIL FLUKES.	SI	L5A	1	N	Y
HUMPBACK WHALE	CA-OR-WA	2014	10	11	LIMITED ENTRY SABLEFISH POT FISHERY	OFFSHORE	OR	DEAD	A HUMPBACK WHALE WAS OBSERVED ENTANGLED DEAD IN SABLEFISH POT GEAR APPROX. 35 MILES W OF CANNON BEACH. THE ENTANGLEMENT OCCURRED IN 145 FATHOMS OF WATER AND THE WHALE WAS DISCOVERED WRAPPED IN THE GROUND LINE THREE POTS IN FROM THE END OF THE STRING. THE GROUND LINE IS REPORTED AS SINKING TYPE (LEAD LINE) WHEN BROUGHT TO THE SURFACE THE OBSERVER ON BOARD REPORTED THERE WAS NO DISCERNABLE MOVEMENT.	DEAD	NA	1	Y	Y



Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HUMPBACK WHALE	CA-OR-WA	2014	10	12	VESSEL STRIKE	SAN DIEGO	CA	SI	ANIMAL FIRST SIGHTED ALIVE OFF ORANGE COUNTY OCTOBER 3RD WITH HEALING DORSAL PROPELLOR WOUND & LIMITED MOBILITY. SIGHTED ALIVE AGAIN OFF OCEANSIDE OCT. 6 AND DEL MAR OCT. 7, 3/4 MILE OFFSHORE. MULTIPLE VERTEBRAL, RIB, SCAPULAR FRACTURES, AND HEMORRHAGE OBSERVED AT NECROPSY. DETAILS OF LACERATION / INJURY LACKING WHEN ANIMAL SEEN ALIVE, HOWEVER USE OF L5A CRITERIA REFLECTS LIKELY SEVERITY OF INJURY BECAUSE WHALE HAD LIMITED MOBILITY WHEN OBSERVED.	DEAD	L5A	1	N	Y
HUMPBACK WHALE	CA-OR-WA	2014	10	24	MARINE DEBRIS	MONTEREY	CA	SI	WHALE ENTANGLED AROUND CAUDAL PEDUNCLE IN A WAVE RIDER BUOY THAT STOPPED TRANSMITTING ON 4 OCTOBER. A TEAM WAS SENT TO CHECK ON BUOY FOUND THE ENTANGLED HUMPBACK WHALE IN BUOY LINES ON 24 OCTOBER. WHALE WAS DESCRIBED AS 'WEAK' AND 'STRUGGLING'. WHALE LICE WERE PRESENT AND THE CONDITION OF THE SKIN IMPLIED POOR HEALTH. ENTANGLED IN BUNGEE BETWEEN 10 FT CHAIN AND LINE THAT RUNS TO 300 LB ANCHOR; VIDEO AND PHOTOS SHOWED SEVERE ENTANGLEMENT AND LACERATION AT CAUDAL PEDUNCLE WITH SUBSTANTIAL NECROTIC TISSUE. SUCCESSFULLY DISENTANGLED 10/29/14, BUT CONSIDERED A SERIOUS INJURY DUE TO CONSTRICTING NATURE OF GEAR, LENGTH OF TIME WHALE WAS ENTANGLED, NECROTIC CONDITION OF FLUKES, AND OVERALL POOR HEALTH OF WHALE.	SI	L2	1	N	Y
HUMPBACK WHALE	CA-OR-WA	2014	11	11	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MONTEREY	CA	SI (PRORATE)	FREE-SWIMMING WHALE REPORTED AS ENTANGLED, LIKELY CRAB POT.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	1	8	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	WHITE CIGAR BUOY ON LEFT SIDE OF WHALE BETWEEN MOUTH AND PECTORAL FIN, BLUE STEEL LINE OBSERVED, ABRASIONS ON LEADING EDGE OF FLUKES. ANIMAL WAS SEEN FLUKING / DIVING BASED ON PHOTOS. NOTHING ELSE WAS VISIBLE OTHER THAN THE WHITE CIGAR BUOY. 1ST RESPONSE TEAM FAST RAFT COULD NOT RELOCATE. PHOTOS REVIEWED. AMOUNT AND CONFIGURATION OF ATTACHED GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	1	19	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI (PRORATE)	3 BUOYS SEEN IN TOTAL, POSSIBLE MOUTH/PECTORAL FIN ENTANGLEMENT. BUOYS TRAILING ABOUT 150 FT BEHIND THE WHALE.. FISHERMAN ID NUMBER NOT READABLE FROM PHOTOS/VIDEO BUT WE ARE ABLE TO DETERMINE THAT IT IS CA DUNGENESS CRAB TIER 1 GEAR. WHALE WAS NOT FLUKING SO COULDN'T SEE THE TAIL. DIVING. SWIMMING ABOUT 5 KNOTS. FAST RAFT RESPONDED AND LOCATED WHALE AT 36.795 121.8917 WITH WHALE. WHALE SWIMMING AND DRAGGING 1ST FLOAT UNDERWATER. COULDN'T SEE WHERE LINE ORIGINATED. FRESH ABRASIONS VISIBLE ON TOP OF PEDUNCLE AND BEHIND DORSAL INDICATING RECENT MIGRATION OF THE GEAR FROM THE DORSAL FIN BACK TO THE TAIL. ENTIRE CONFIGURATION OF THE GEAR COULD NOT BE DETERMINED AND THIS CASE IS TREATED AS A PRORATED SERIOUS INJURY.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	2	16	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	1-2 INCH LINE WRAPPED OVER DORSAL SIDE OF WHALE HALFWAY BETWEEN BLOWHOLE AND DORSAL FIN; PHOTO OF ENTANGLEMENT AND FLUKE SHOT AVAILABLE BUT NOT REVIEWED; ROPE IS FOULED WITH KNOTS/TWISTS; EXTENT OF ENTANGLEMENT UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HUMPBACK WHALE	CA-OR-WA	2015	2	17	DUNGENESS CRAB POT FISHERY (RECREATIONAL)	MONTEREY	CA	SI (PRORATE)	GEAR WAS SET NEAR MOSS LANDING ON 2/11; ENTANGLEMENT OCCURRED SOMETIME BETWEEN 2/11-15TH; 2-3 ORANGE BOUYS TRAILING APPROX 10 FT BEHIND WHALE; POSSIBLE MOUTH/PECTORAL FLIPPER ENTANGLEMENT AS REPORTED BY RESPONDERS; FOUND WHILE LOOKING FOR 2/16 HUMPBACK ENTANGLEMENT REPORT; CONVERSATION WITH FISHERMAN: 1 CRAB POT SET ON 300 FT OF LINE IN 173 FT OF WATER.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	3	6	UNIDENTIFIED FISHERY INTERACTION	SANTA CRUZ	CA	DEAD	THERE WAS SIGNIFICANT EVIDENCE OF AT LEAST ONE PREVIOUS ENTANGLEMENT AND POSSIBLY MULTIPLE ENTANGLEMENTS ON A MODERATELY-DECOMPOSED STRANDING. LINE MARKS WERE OBSERVED AROUND THE PEDUNCLE AT THE LEVEL OF THE GENITAL SLIT, AT THE CRANIAL MARGIN OF THE RIGHT PECTORAL FIN, AND AT THE CAUDAL MARGIN OF THE RIGHT PECTORAL FIN. THERE WAS ALSO A MODERATE LINE MARK THAT RAN TRANSVERSALLY ACROSS THE CENTRAL PLEATS AT THE LEVEL OF THE AXILLA. THESE WOUNDS WERE IN THE PROCESS OF HEALING.	DEAD	NA	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	3	23	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MEXICO	MEXICO	SI	DEEPLY EMBEDDED LINE ON LEFT TAIL FLUKE, HIGH CYAMID LOAD, EMACIATED WHALE, TRAILING LINE ~10 M + 2 LARGE BULLET BUOYS, TEAL/GREEN LINE. THIS RECORD WAS ADDED TO THE DATABASE IN 2017 AFTER RECEIPT FROM WHALE WATCHING CO. IN MEXICO. PHOTOS APPARENTLY AVAILABLE, BUT NOT REVIEWED. CONSIDERED A SERIOUS INJURY UNDER CATEGORY L2 (CONSTRICTING GEAR) AND CONSIDERING POOR CONDITION OF WHALE. FISHERY POSITIVELY-IDENTIFIED FROM TRAP TAG AND / OR BUOY NUMBERS.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	3	26	UNIDENTIFIED FISHERY INTERACTION	SANTA CRUZ	CA	SI	ENTANGLEMENT SIGNIFICANTLY EMBEDDED, TIGHT WRAP BUT TAIL IS FREE, COULDN'T SEE ANY GEAR IN THE MOUTH. CATEGORIZED AS L2 BECAUSE OF DESCRIPTIVE EVIDENCE OF EMBEDDED OR CONSTRICTING WRAP. NO PHOTOS TO REVIEW	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	5	4	VESSEL STRIKE	SAN MATEO	CA	DEAD	LIMITED NECROPSY REVEALED HEMORRHAGING ON THE LEFT LATERAL SIDE AT END OF RIBS. FOUR PROCESSES OF LUMBAR VERTEBRAE WERE BROKEN BENEATH HEMORRHAGING. GOOD BLUBBER THICKNESS AND BODY CONDITION. EXTENSIVE PARASITES IN GI TRACT. NECROPSY REPORT ATTACHED TO HARD COPY FOR MORE DETAILS. CAS-ACC-6993	DEAD	L12	1	N	Y
HUMPBACK WHALE	CA-OR-WA	2015	5	14	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI (PRORATE)	WHALE TOWING 2 YELLOW BUOYS (ONE WITH A SMALL WHITE BUOY ATTACHED AS EXTRA FLOTATION), ORANGE TRAP TAG PRESENT BUT UNREADABLE, BUOY NUMBER , PHOTOS AVAILABLE, CDFW DUNGENESS TIER 6 PERMIT. UNCERTAINTY REGARDING IF WHALE SELF-RELEASED FROM GEAR, NOT CONFIRMED, THUS TREATED AS AN L10 SERIOUS INJURY BECAUSE GEAR CONFIGURATION IS UNKNOWN. PHOTOS REVIEWED BY J. CARRETTA.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	5	16	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	SANTA BARBARA	CA	NSI	ANIMAL LIKELY HAS LINE THROUGH MOUTH AND TRAILS TO EITHER SIDE TO LENGTH OF BODY. BOTH SIDES TERMINATED BY SPONGEX BUOYS (GREEN WITH RED TO ON ONE SIDE AND WHITE ON THE OTHER.). ANIMAL APPEARS IN GOOD CONDITION, FEEDING WITH OTHER ANIMALS. WHALE OBSERVED ACTIVELY FEEDING WITH OTHER ANIMALS. FEEDING ANIMAL IMPLIES THAT GEAR IS NOT CONSTRICTING, THUS L3 DETERMINATION MADE. PHOTOS REVIEWED BY J. CARRETTA.	NSI	L3	0	N	N

Appendix 4. Records of human-related injury and mortality, 2012-2016.

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HUMPBACK WHALE	CA-OR-WA	2015	5	24	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	STATIONARY WHALE BREATHING AT SURFACE, ASSOCIATED WITH BUOY WITH PARTIAL TAG NUMBER. NO PHOTOS. DISCOVERED 6/2/15 WHEN DANA WHARF SPORTFISHING EXAMINED 5/28 PHOTOS. AT LEAST ONE WRAP OF HEAVY GAUGE MONOFILAMENT LINE, LIKELY REPRESENTING LONGLINE GEAR, AROUND THE ANIMAL'S PEDUNCLE AND FLUKE. GEAR IS ALREADY DEEPLY EMBEDDED AND WOUNDS APPEAR FRESH. THE AMOUNT OF GEAR TRAILING IS UNDETERMINED. NO RESPONSE WAS MOUNTED DUE TO THE BELATED NATURE OF THE REPORT. SI DETERMINATION CRITERION L2 APPLIED AS THERE IS EVIDENCE THAT GEAR IS CUTTING INTO WHALE. PHOTOS REVIEWED BY J. CARRETTA.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	5	28	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI	ENTANGLED WITH CRAB POT GEAR WHICH HAD BEEN LOST PREVIOUS YEAR. UNKNOWN DURATION OF ENTANGLEMENT, NO ASSUMPTION IS MADE THAT ENTANGLEMENT STARTED WHEN GEAR WAS LOST, AS GHOST GEAR IS ROUTINELY INVOLVED IN ENTANGLEMENTS AFTER LOSS. WHALE THRASHING AROUND IN RELATIVELY SHALLOW WATER. WHALE SELF-RELEASED FROM GEAR AND/OR GEAR BROKE FREE ON ROCKS IN SHALLOW WATER. THE FISHERY WAS IDENTIFIED BY BUOY NUMBERS. TRAP AND ROPE REPORTED AS 'EXTREMELY SHREDDED'. FISHERMAN CONFIRMED THAT ALL GEAR WAS RETRIEVED, THUS ASSIGNED A NON-SERIOUS INJURY BASED ON THE SELF-RELEASE OF ANIMAL. RESPONSE TEAM INCLUDED K. FORNEY, WHO RETRIEVED GEAR. PHOTOS OF WHALE NOT AVAILABLE. GEAR PHOTOS REVIEWED BY J. CARRETTA.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	6	9	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI (PRORATE)	WHALE REPORTED AS FLOPPING AROUND IN NETTING 0.5 FROM SHORE. REPORT ALSO DETAILS A CRUSHED WHITE BUOY ASSOCIATED WITH THE SIGHTING. NO RESPONSE, NO FURTHER DETAILS.	NSI	L3	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2015	6	12	UNIDENTIFIED FISHERY INTERACTION	SANTA CRUZ	CA	SI (PRORATE)	REPORTED BY USCG. WHALE WITH BUOYS (ONE YELLOW, ONE WHITE) AND ROPE NEAR HEAD, ANOTHER BUOY NEAR FLUKES (NOT APPARENT IN PHOTOS). WHALE SHOWS RIDGE BETWEEN HEAD AND DORSAL FIN, INDICATING SOME EMACIATION AND APPARENT DECLINE IN HEALTH. FULL GEAR CONFIGURATION UNKNOWN. PHOTOS REVIEWED BY J. CARRETTA AND A. HENRY.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	6	21	UNIDENTIFIED FISHERY INTERACTION	SANTA CRUZ	CA	SI	WHALE REPORTED SWIMMING IN CIRCLES OF CAPITOLA WITH YELLOW AND ORANGE BUOYS NEAR HEAD. NO PHOTOS. FULL GEAR CONFIGURATION UNKNOWN. LACK OF ORANGE BUOY(S) REPORTED FROM PREVIOUS-DAY WHALE IS EVIDENCE THAT THIS IS A UNIQUE CASE.	SI	L10	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	6	22	UNIDENTIFIED FISHERY INTERACTION	SANTA CRUZ	CA	SI (PRORATE)	WHALE INITIALLY PHOTOGRAPHED ON 6/25 TRAILING THREE BUOYS AND APPROX. 125 FT. OF ROPE. DEEP LACERATIONS ON CAUDAL PEDUNCLE AND FLUKE / TAIL STOCK INTERSECTION, APPEARED TO BE FRESH WOUNDS. WHALE SUBSEQUENTLY PHOTOGRAPHED ON 7/16, STILL TRAILING GEAR. WHALE APPARENTLY SELF-RELEASED FROM GEAR AFTER SATELLITE PACKAGE WAS ATTACHED TO GEAR. GEAR WAS RECOVERED ON 7/24 AND IDENTIFIED AS DUNGENESS CRAB POT GEAR. PHOTOS REVIEWED BY J. CARRETTA.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	6	25	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI		NSI	L2	0	Y	N

Appendix 4. Records of human-related injury and mortality, 2012-2016.

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HUMPBACK WHALE	CA-OR-WA	2015	6	27	DUNGENESS CRAB POT FISHERY (WASHINGTON)	VANCOUVER ISLAND	BRITISH COLUMBIA	SI (PRORATE)	WEST SIDE OF VANCOUVER ISLAND NEAR CAPE BEALE. REPORTED ENTANGLED IN ORANGE BUOYS AND LINE. PHOTOS APPARENTLY TAKEN BUT NOT AVAILABLE / REVIEWED. WHALE LAST SEEN ENTANGLED. AMOUNT AND CONFIGURATION OF GEAR UNKNOWN. FISHERY SOURCE CONFIRMED FROM PHOTOS OF TRAP TAG AND / OR BUOY NUMBERS. RECORD ADDED TO DATABASE IN 2017 AFTER RECEIPT FROM DFO CANADA.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	7	3	DUNGENESS CRAB POT FISHERY (OREGON)	MONTEREY	CA	SI	PHOTOGRAPHS SHOWED CIRCUMFERENTIAL CONSTRICTING INJURY BEHIND BLOW HOLE REGION. ROPES EXTENDED THROUGH THE MOUTH AND RAN TIGHTLY OVER ITS BACK DEFORMING THE LEFT SIDE OF THE HEAD, AND WOUND AROUND ITS RIGHT FLIPPER, TRAILING A TANGLE OF LINES AND PINK BUOYS. FISHERMAN CONFIRMED GEAR WAS SET OFF CAPE MEARES, OREGON IN DECEMBER (OREGON FISHERY). RESCUE RESPONSE EFFORT RESULTED IN THE REMOVAL OF ALL GEAR EXCEPT FOR A SMALL AMOUNT OF EMBEDDED LINE LEFT BEHIND EXPECTED TO BE SHED BY ANIMAL AS IT HEALS. CATEGORIZED AS L3 / NSI BECAUSE OF GEAR REMOVAL AND PROGNOSIS FOR SURVIVAL. PHOTOGRAPHS REVIEWED BY J. CARRETTA.	NSI	L2	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2015	7	7	UNIDENTIFIED FISHERY INTERACTION	CLALLAM	WA	SI (PRORATE)	THE ENTANGLEMENT IS DESCRIBED AS EXTENSIVE AROUND THE BODY WITH BOTH MESH AND LINE. MESH TYPE UNKNOWN. NO DIRECTION OF TRAVEL, WHALE APPEARS STATIONARY. NO PHOTOS.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	7	12	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MENDOCINO	CA	SI (PRORATE)	4 ORANGE AND WHITE BULLET BUOYS DESCRIBED AS CRAB BUOYS BEING TRAILED APPROX. 30 FT. BEHIND ANIMAL. NO PHOTOS.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	7	13	UNIDENTIFIED FISHERY INTERACTION	MENDOCINO	CA	SI (PRORATE)	HUMPBACK TRAILING MULTIPLE BLACK AND WHITE BUOYS, MULTIPLE BODY LENGTHS BEHIND WHALE. FULL GEAR CONFIGURATION UNKNOWN. BUOY COLORS DIFFER FROM 7/12 SIGHTING IN SAME AREA, NOT A RESIGHT. PHOTOS REVIEWED BY J. CARRETTA.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	7	19	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	AT LEAST 2 ORANGE/PINK BUOYS FOULED TRAILING CLOSE BEHIND THE RIGHT SIDE OF THE ANIMAL - ENTANGLEMENT APPEARS TO BE FORWARD OF THE PEDUNCLE. KELP APPEARS TO BE ALSO WRAPPED UP IN THE ENTANGLEMENT BUT ON THE LEFT SIDE OF THE WHALE. ANIMAL REPORTED TO BE FEEDING AND SWIMMING NORMALLY. FULL GEAR CONFIGURATION UNKNOWN AND POTENTIAL FOR SERIOUS INJURY EXISTS OVER TIME. PHOTOS REVIEWED BY J. CARRETTA.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	8	10	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MONTEREY	CA	SI (PRORATE)	AT LEAST 2 RED / WHITE BUOYS BEING TRAILED BY WHALE, ABRASIONS ON LEADING EDGE OF FLUKES. CONFIGURATION AND AMOUNT OF GEAR IS UNKNOWN. A TELEMETRY BUOY WAS ATTACHED TO GEAR AND THE WHALE WAS TRACKED TRAVELING TO NEAR THE U.S./MEXICO BORDER BY 8/14 AND THEN WAS LAST DETECTED AGAIN ON 9/4 FAR OFFSHORE OF MONTEREY BAY BEFORE TRANSMISSIONS FAILED. THE WHALE WAS NOT VISUALLY RELOCATED DURING THIS TIME. PHOTOS REVIEWED BY J. CARRETTA.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	8	26	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	SI (PRORATE)	TRAILING TWO ORANGE TORPEDO BUOYS APPROX. 100 FT. BEHIND ANIMAL WITH GREEN/BLUE LINE/ROPE. GEAR NOT VISIBLE AND CONFIGURATION AND AMOUNT OF GEAR UNKNOWN. PHOTOS REVIEWED BY J. CARRETTA.	SI (PRORATE)	L10	0.75	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

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HUMPBACK WHALE	CA-OR-WA	2015	9	10	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI (PRORATE)	REPORTED BY FREE DIVER. 1/2 INCH YELLOW LINE WRAPPED AROUND BODY IN FRONT OF PECTORAL FLIPPER AND YELLOW/WHITE BUOY ATTACHED SITTING ON THE BACK, 25 FEET OF TRAILING LINE, NO PHOTOS. FULL GEAR CONFIGURATION UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	9	14	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	NO TRAILING BUOYS, BLUE ROPE BEHIND DORSAL AROUND BODY IN FRONT OF FLUKES, SWIMMING WITH ANOTHER WHALE. GEAR CONFIGURATION UNKNOWN. NO PHOTOS.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	9	24	VESSEL STRIKE	CLATSOP	OR	SI (PRORATE)	AN ARTICULATED TUG AND BARGE REPORTING STRIKING A HUMPBACK WHALE OF UNKNOWN SIZE IN THE COLUMBIA RIVER. THE ANIMAL WAS SIGHTED IMMEDIATELY AFTER THE COLLISION AND ROLLED OVER. COLUMBIA RIVER BAR PILOTS FLEW OVER THE AREA WITH THEIR HELICOPTER AND CLAIMED THE WHALE WAS SWIMMING AROUND NORMALLY. NO DATA ON VESSEL SIZE AND SPEED. BASED ON OTHER ARTICULATED TUGBOAT / BARGE SIZES, IT IS ASSUMED THE VESSEL WAS MUCH LARGER THAN THE WHALE (VESSEL SIZE > 65 FT). THIS RECORD IS ASSIGNED AS L7A.	SI (PRORATE)	L7A	0.56	N	Y
HUMPBACK WHALE	CA-OR-WA	2015	9	25	DUNGENESS CRAB POT FISHERY (OREGON)	LOS ANGELES	CA	SI (PRORATE)	1ST SIGHTING 4-5 YELLOW FOAM FLOATS WITH RED CIRCULAR LINE AROUND FLOAT; APPROX 40 FT BEHIND WHALE, 2ND SIGHTING NEAR SANTA BARBARA ON 10/28/2015 HAD GEAR TRAILING 150 FT; DORSAL AND FLUKE PHOTOS AND VIDEO AVAILABLE FROM 2ND REPORT. PHOTOS TOO DISTANT TO DETERMINE CONFIGURATION AND AMOUNT OF GEAR. PHOTOS FROM 1ST SIGHTING EXAMINED BY J. CARRETTA, WEST COAST REGION EXAMINED SUBSEQUENT PHOTOS. UPDATED INFORMATION MADE AVAILABLE IN 2017 INCLUDED A POSITIVE IDENTIFICATION OF SOURCE FISHERY FROM TRAP TAG AND BUOY NUMBERS. GEAR ORIGINALLY SET JUST NORTH OF CALIFORNIA / OREGON BORDER.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	9	26	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI	WHALE SEEN WITH GREEN 55 GALLON DRUM OR RUBBER DOCK FENDER AND LINE WRAPPED AROUND HEAD, BETWEEN PECTORAL FLIPPERS AND BLOWHOLE. DRUM IS ABOVE WATER WHEN WHALE SURFACES AND LINE WRAPS COMPLETELY AROUND ANIMAL LIKE A BRIDLE. MULTIPLE SIGHTINGS OF WHALE FROM SEPTEMBER TO NOVEMBER. UNDERWATER AND ABOVE-WATER PHOTOS OF WHALE SHOW A VERY EMACIATED ANIMAL. SERIOUS INJURY WITH CONSTRICTING GEAR AND POOR ANIMAL CONDITION. PHOTOS REVIEWED BY J. CARRETTA AND J. BARLOW.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	9	29	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	ORANGE	CA	SI (PRORATE)	YELLOW POLY ROPE WRAPPED AROUND CAUDAL PEDUNCLE, 20-30 FEET OF LINE TRAILING, 1 SMALLER WHITE FOAM BUOY CLOSER TO FLUKE; ONE YELLOW/WHITE FLOAT WITH DUNGENESS CRAB TRAP TAG BUOY TIER 4 CA ON LINE TOWARDS THE END OF THE LINE. NO PHOTOS / VIDEO TO EXAMINE. GEAR CONFIGURATION UNKNOWN. NO INSIGHT INTO WHETHER GEAR IS CONSTRICTING OR LOOSE.	SI (PRORATE)	L10	0.75	Y	Y

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HUMPBACK WHALE	CA-OR-WA	2015	10	17	GILLNET FISHERY	LOS ANGELES	CA	SI	LARGE MASS OF BLUE GILLNET THROUGH MOUTH AND AROUND HEAD AND RIGHT PECTORAL FLIPPER. NET APPEARS TO PIN PECTORAL FIN TO BODY. ANIMAL BREACHING. NET CUTTING INTO ROSTRUM AND ABRASIONS ON LEADING EDGES OF FLUKES. CONSTRICTING NATURE OF GILLNET WARRANTS AN L2 SERIOUS INJURY DESIGNATION. ANIMAL WAS RESIGHTED ON 10/31 IN ORANGE COUNTY, STILL ENTANGLED WITH PECTORAL FLIPPER PINNED TO BODY. PHOTOS REVIEWED BY J. CARRETTA AND A. HENRY. PHOTO MATCHES ARE CONCLUSIVE.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	10	17	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI	CIRCUMFERENTIAL, CONSTRICTING INJURY BEHIND HEAD, MATERIAL NOT IDENTIFIED. ANIMAL APPEARS EMACIATED AND PERHAPS DEFORMED IN REGION OF INJURY. ATTACHED MATERIAL MAY BE LIMITING ABILITY TO FEED. HEALTH DECLINE AND CONSTRICTING NATURE OF INJURY WARRANTS AN L2 SERIOUS INJURY DESIGNATION. PHOTOS REVIEWED BY J. CARRETTA, D. WELLER, AND A. HENRY.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	10	23	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	BLUE / GREEN ROPE WRAPPED AROUND HEAD AND TAILSTOCK OF ANIMAL. ROPE DOES NOT APPEAR TO BE CONSTRICTING. ROPE POSSIBLY GOES THROUGH MOUTH. NO TRAILING BUOYS. PHOTOS REVIEWED BY J. CARRETTA.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	10	25	LOBSTER TRAP ENTANGLEMENT	SAN DIEGO	CA	SI	EXCELLENT UNDERWATER VIDEO SHOWS HEALTHY WHALE WITH LINE WRAPPED TIGHTLY AROUND FLUKES. ANIMAL IS TOWING A POT/TRAP WITH APPROXIMATELY 175 FT OF LINE AND 2 WHITE BUOYS WITH BLACK AND BLUE NUMBERS. TRAP HAS CEMENT BLOCKS INSIDE. WHALE DISENTANGLED COMPLETELY AND GEAR RECOVERED, FISHERY POSITIVELY IDENTIFIED AS CA LOBSTER TRAP. GEAR WAS SET IN LA JOLLA AREA. VIDEO REVIEWED BY J. CARRETTA.	NSI	L3	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2015	10	28	DUNGENESS CRAB POT FISHERY (OREGON)	SANTA BARBARA	CA	SI	OREGON DUNGENESS CRAB GEAR (2 SETS OF GEAR WITH 250 FT. OF LINE). GEAR ORIGINALLY SET JUST NORTH OF CALIF./OREGON BORDER. ORANGE / RED BUOYS WITH LINE LACERATING INSERTION POINT OF PECTORAL FLIPPER. PHOTOS SHOW AN OPEN WOUND AT BASE OF PECTORAL FLIPPER. 10/31 RESCUE EFFORT RESULTED IN A SIGNIFICANT AMOUNT OF GEAR BEING REMOVED. REMAINING GEAR CONSISTED OF A SINGLE PASS OF GEAR THROUGH THE MOUTH, WHICH WILL PROBABLY BE SHED BY ANIMAL. NON-SERIOUS INJURY AS A RESULT OF RESCUE EFFORT TO REMOVE CONSTRICTING GEAR.	NSI	L2	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2015	11	7	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI (PRORATE)	REPORTED AS BLUE LINE AROUND PEDUNCLE AND TRAILING 2 WHITE BUOYS; PHOTOS CONFIRM ENTANGLEMENT, BUT PHOTO QUALITY IS POOR AND GEAR CONFIGURATION IS UNKNOWN. PHOTOS REVIEWED BY J. CARRETTA.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2015	11	8	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	NSI	REMNANT OF PREVIOUS ENTANGLEMENT WITH PIECE OF LINE OF UNKNOWN LENGTH ON DORSAL FIN; LINE FRAGMENT? POSSIBLY EMBEDDED IN DORSAL FIN OR ATTACHED ON BARNACLE ANTERIOR TO DORSAL FIN; ANIMAL DOES HAVE INDICATIONS OF PREVIOUS ENTANGLEMENT ON FLUKE (SEE PHOTOS); LINE DESCRIBED AS YELLOW "NYLON" - APPEARS TO BE MULTISTRAND TWISTED LINE. ENTANGLEMENT APPEARS TO BE LOOSE AND DRAPED OVER DORSAL FIN, WHALE LOOKS HEALTHY. PHOTOS REVIEWED BY J. CARRETTA AND A. HENRY.	NSI	L3	0	N	N

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HUMPBACK WHALE	CA-OR-WA	2016	1	27	UNIDENTIFIED FISHERY INTERACTION	MARIN	CA	SI (PRORATE)	WHALE SWIMMING SLOWLY, RAISING PECTORAL FINS OUT OF WATER, 41 NMI SW OF PT. REYES. ONE YELLOW FLOAT/BUOY ATTACHED TO ROPE BEING PULLED BY WHALE, POSITION OF FLOAT CLOSE TO THE TAIL FLUKE, REPORTING PARTY BELIEVE CAUGHT ON/IN PEC OR MOUTH. NO MARKINGS ON BUOY OR FOULING. REPORTED BY NOAA VESSEL REUBEN LASKER. NO PHOTOS AVAILABLE.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	2	4	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	SI (PRORATE)	SINGLE LINE / ROPE RUNNING BACK FROM ROSTRUM/MOUTH AREA, RUNNING BACK ON LEFT SIDE OF BLOWHOLES AND DOWN LEFT SIDE OF BODY, NO BUOYS SEEN. SWIMMING AND DIVING BUT NOT SEEN FLUKING. NEAR TRUMP GOLF COURSE OFF PALO VERDES, PHOTOS AVAILABLE.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	2	21	CA SPOT PRAWN TRAP FISHERY	SAN DIEGO	CA	SI (PRORATE)	REPORTED BY USCG 2.5 MI WEST OF SCRIPPS PIER. 2 TO 3 WRAPS OF TWISTED 5/16 INCH NYLON LINE AROUND CAUDAL PEDUNCLE. WHALE SOMEWHAT ANCHORED, WAS FLUKING BEFORE, DURING, AND AFTER INTERVENTION. QUICKLY SWAM NORTH AFTER RELEASED FROM GEAR. TEAM OBSERVED THE ANIMAL FORMING A C SHAPE WITH ITS BODY, SUGGESTING SOMETHING WAS GOING ON WITH THE HEAD. FISHERY AND GEAR IDENTIFIED BY TAG NUMBER AND INTERVIEW WITH FISHERMAN. WHALE DISENTANGLEMENT TEAM WAS ABLE TO CUT GROUNDING LINE AND FREE ANIMAL, WHICH IMMEDIATELY PICKED UP SPEED AND SWAM OFF. GEAR HAD BEEN SET NEAR LA JOLLA ON 2/20/2016, THE DAY PRIOR TO THE ENTANGLEMENT, WITH 25 TRAPS OF 8-10 LBS EACH AND 1/2 MILE OF LINE. NO CONFIRMATION THAT ALL GEAR HAS BEEN REMOVED. FULL CONFIGURATION OF GEAR UNKNOWN BEFORE AND AFTER DISENTANGLEMENT EFFORT.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	3	4	CA SPOT PRAWN TRAP FISHERY	ORANGE	CA	SI	GEAR CONFIRMED FROM BUOY NUMBER. GEAR WAS SET SAME DAY AND PHOTOS / VIDEO EXIST OF WHALE SELF-RELEASING FROM GEAR. FISHERMAN CONTACTED, DESCRIBED GEAR AS 12 POTS ON A STRING OF 5/16 INCH LINE, WITH 100 FT OF LINE BETWEEN POTS. SIGHTING INCLUDED 1 BUOY AND UNKNOWN AMOUNT OF LINE ATTACHED TO FLUKE. VERY ACTIVE ANIMAL, DESCRIBED AS AGITATED, FLUKE SLAPPING AND BREACHING. WHALE SUCCESSFULLY SHED GEAR. 2.5 MILES OFF DANA POINT. ORIGINAL CONFIGURATION OF GEAR UNKNOWN.	NSI	L10	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2016	3	4	VESSEL STRIKE	SAN DIEGO	CA	DEAD	THIS WHALE WAS SIGHTED ON 3/4 BY COAST GUARD, THEN 3/5/2016 BY DIVER 9.3 NM WEST OF POINT LOMA, AT 32.680800, -117.431267. LINEAR SCARS ON LEADING EDGE OF FLUKES AND CAUDAL PEDUNCLE INDICATE THIS WHALE WAS ENTANGLED IN THE PAST, BUT WAS NOT LIKELY THE CAUSE OF DEATH. FRACTURED INTERVERTEBRAL DISK AND SCAPULA WITH ASSOCIATED HEMORRHAGE IN BLUBBER AND MUSCLE INDICATES TRAUMA, POSSIBLY ATTRIBUTED TO A SHIP.	DEAD	NA	1	N	Y

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HUMPBACK WHALE	CA-OR-WA	2016	4	11	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI	WHALE APPEARS TO BE ANCHORED IN 10 TOTAL BUOYS AND BLUE STEEL LINE; 3 ORANGE BULLET BUOYS, 1 LARGE WHITE BULLET BUOY, 3 RED/ORANGE BULLET BUOY, 1 DARK RED BULLET BUOY, 1 DOUBLE ORANGE BULLET BUOY AND 1 PURPLE CA DUNGENESS CRAB TAG. GEAR ORIGINATED FROM MOSS LANDING. SECOND BUOY NUMBER WAS ALSO NOTED FROM A PHOTO. A SEARCH EFFORT FOR THE WHALE WAS INITIATED, BUT THE WHALE WAS NOT RELOCATED. FISHING GEAR WAS APPARENTLY DEPLOYED IN AREA AT THE END OF MARCH.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	4	16	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI	3 BLACK AND WHITE BUOYS AND ROPE AROUND TAILSTOCK. GEAR CONFIRMED AS CA DUNGENESS CRAB FROM TAG/BUOY NUMBER. GEAR HAD BEEN SET IN SAN MATEO COUNTY. ANIMAL SEEN LAST ON JUNE 4TH IN MONTEREY BAY, EMACIATED AND HEAVILY SCARRED, APPARENTLY SHED GEAR FROM TAILSTOCK, BUT UNKNOWN IF GEAR REMAINED ON PECTORAL FLIPPERS. LINE SEEN DEEPLY EMBEDDED IN TAILSTOCK ON 2 OCCASIONS, WITH MANY CYAMIDS DEEP IN WOUNDS. DETERIORATING CONDITION OF ANIMAL WARRANTS SERIOUS INJURY UNDER CATEGORY L10, CONSIDERING CONSTRICTING NATURE OF ENTANGLEMENT, BUT UNKNOWN GEAR CONFIGURATION.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	4	18	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	REPORTED AS ROPE AND 2 BUOYS (ONE WHITE, ONE ORANGE) ENTANGLING WHALE'S CAUDAL PEDUNCLE. WHALE NOT RELOCATED.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	4	20	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI (PRORATE)	WHALE ENTANGLED AROUND BODY (2 WRAPS), BOTH PECTORAL FINS, AND MOUTH. TANDEM ORANGE AND PINK BULLET BUOYS, PLUS 1 DARK ORANGE OR RED BULLET BUOY ATTACHED TO BLUE OR GREEN POLYLINE. FISHERY POSITIVELY-IDENTIFIED AS CA DUNGENESS CRAB POT FROM BUOY TAG. ONE BUOY WAS BEING TRAILED 100 YARDS BEHIND WHALE. GEAR HAD BEEN SET ON MARCH 29, 2016 IN SAME AREA. WHALE DISENTANGLEMENT TEAM WAS ABLE TO ATTACH TELEMETRY PACKAGE TO WHALE AND RETURN ON 4/21/2016 TO FULLY DISENTANGLE WHALE.	NSI	L10	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2016	4	20	SABLEFISH POT FISHERY	HUMBOLDT	CA	SI (PRORATE)	FISHERY OBSERVER REPORTED ENTANGLEMENT WITH SABLEFISH GEAR 20 MILES OFFSHORE, 30 MILES SOUTH OF CRESCENT CITY. NARRATIVE INCLUDES DESCRIPTION OF 2 PINK BUOYS AND 200 FEET OF LINE. WHALE WAS DISENTANGLED BY FISHING VESSEL WITH OBSERVER ONBOARD. UNKNOWN IF FULLY DISENTANGLED, THUS ASSIGNED AS A PRORATED SERIOUS INJURY. NEED ADDITIONAL INFO FROM OBSERVER PROGRAM.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	4	20	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	THRASHING WHALE SEEN AT DISTANCE WITH TWO BUOYS AND 6-8 CAUDAL PEDUNCLE WRAPS, NOT RESIGHTED. CONFIGURATION AND SEVERITY OF ENTANGLEMENT UNKNOWN. PHOTOS.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	5	8	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI (PRORATE)	SWIMMING WHALE WITH TWO BUOYS, ONE ORANGE AND ONE RED WITH DUNGENESS CRAB TAG, ON LEFT SIDE OF BODY, ORANGE COLORED LINE. POSSIBLE LEFT PECTORAL WRAP, FLOAT AND LINE DRAPED OVER BODY. ANIMAL APPARENTLY SELF-RELEASED FROM GEAR WAS SEEN SWIMMING GEAR-FREE BY FAST RAFT TEAM. GEAR ORIGINALLY SET IN MONTEREY BAY AREA IN LATE MARCH.	NSI	L10	0	Y	N



Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HUMPBACK WHALE	CA-OR-WA	2016	5	10	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI (PRORATE)	ENTANGLED WHALE SWIMMING SOUTH, LUNGING AT SURFACE. BUOY, HEAVY LINE FROM A CRAB POT SYSTEM WRAPPED AROUND BOTH SIDES OF THE WHALE'S FLUKES. WHALE DISENTANGLMENT TEAM INTERVENED AND WAS ABLE TO PHOTOGRAPH WHALE AND RETRIEVE ENTANGLING GEAR. ANIMAL LAST SEEN ALIVE, FREE OF GEAR, IN GOOD BODY CONDITION.	NSI	L3	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2016	5	12	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI (PRORATE)	GREEN AND ORANGE LINES OVER BODY AND FLUKES. 2 BUOYS ASSOCIATED WITH GEAR. LAST SEEN ALIVE, LIKELY WITH REMAINING TRAILING GEAR. GEAR WAS POSITIVELY-IDENTIFIED AND MATCHED GEAR THAT WAS INVOLVED IN APRIL 11, 2016 ENTANGLEMENT IN SAME AREA. ABOUT 50 FT OF LINE AND A RED BUOY WAS REMOVED BY THE REPORTING PARTY AND THEN THE WHALE DOVE AND SWAM OFF. LINE WAS STILL VISIBLE AROUND THE TAIL, IN ADDITION TO AN ORANGE BUOY. FINAL GEAR CONFIGURATION UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	5	17	LIMITED ENTRY SABLEFISH POT FISHERY	LINCOLN	OR	SI	ALERT WHALE WITH GOOD BODY CONDITION WAS ENTANGLED IN VERTICAL LINE, HIGH ON THE TAIL STOCK WITH SABLEFISH POT/TRAP GEAR AND THREE POLY BALLS (ONE ORANGE, ONE BLUE, AND ONE WHITE) AND A HIGH FLYER (20 FT, ALUMINUM POLE WITH FLAG AND PHOTO SENSITIVE LIGHT WITH 3/4" LINE. WHALE WAS DESCRIBED AS SOMETIMES BEING VERTICAL IN THE WATER WHEN SURFACING TO BREATHE. EVIDENCE THAT THE WHALE WAS ANCHORED IN PLACE. PHOTO EVIDENCE SUGGESTS THE GEAR WAS ~ 40 FEET BEHIND THE WHALE. DISENTANGLEMENT EFFORT BY CREW OF FISHING VESSEL. SOME GEAR REMAINED ON ANIMAL AFTER DISENTANGLEMENT EFFORT. WHALE DESCRIBED AS SWIMMING OFF QUICKLY AFTER SOME GEAR WAS REMOVED.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	5	17	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	WHALE BOBBING NEAR SURFACE, 2 YELLOW BUOYS ASSOCIATED. NO DETAILS ON GEAR CONFIGURATION.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	5	22	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI (PRORATE)	BLUE LINE COMING OUT OF THE RIGHT CORNER OF MOUTH, DOWN RIGHT SIDE OF BODY, 4 BUOYS TOTAL; RESIGHTING COMMENT: 100 FEET OF BLUE LINE, 3/4 TO 1 INCH LINE, TRAILING BEHIND WHALE, BELIEVED TO ORIGINATE FROM MOUTH; 4 BUOYS, 3 ORANGE, 1 WHITE; PURPLE TAG OF UNKNOWN SHAPE NOTED FROM PHOTOS ON BUOY. BREACHING AND PECTORAL FIN SLAPPING, SUBMERGING ALL GEAR WHEN DIVING. GEAR CONFIGURATION UNKNOWN. WHALE RESIGHTED ON 5/24, STILL ENTANGLED. NO DISENTANGLEMENT EFFORT.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	5	22	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	WHALE TRAILING 2 BUOYS (1 ORANGE, 1 GREEN AND WHITE) APPROX. 10 FT. BEHIND FLUKES. ENTANGLEMENT BELIEVED TO INVOLVE FLUKES BUT COULD NOT BE CONFIRMED. WHALE WAS TRAVELING SLOWLY AND DID NOT SHOW FLUKES WHEN DIVING, BUT ALL VISIBLE GEAR WAS SUBMERGED WHEN WHALE DOVE. BUOYS DESCRIBED BY REPORTING PARTY AS CRAB POT BUOYS, BUT THE IDENTITY OF THE FISHERY COULD NOT BE CONFIRMED. NO PHOTOS AND NO DISENTANGLEMENT EFFORT.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	5	27	UNIDENTIFIED FISHERY INTERACTION	SAN MATEO	CA	SI (PRORATE)	SAILBOAT REPORTED ANIMAL WITH RED / ORANGE BUOY BEING TRAILED 10 FT. BEHIND A HUMPBACK WHALE. NO ADDITIONAL DETAILS AVAILABLE.	SI (PRORATE)	L10	0.75	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HUMPBACK WHALE	CA-OR-WA	2016	6	1	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	SONOMA	CA	SI (PRORATE)	FISHING VESSEL OFF BODEGA BAY REPORTED WHALE ENTANGLED WITH THREE BUOYS CLOSE TO BODY AND TAIL. WHALE RESIGHTED 4 DAYS LATER IN SAME VICINITY AT THE SURFACE, NOT DIVING UNTIL A VESSEL APPROACHED. WHALE DRAGGED BUOYS UNDERWATER UPON DIVING. WHALE WAS SEEN AGAIN OFF SAN DIEGO ON 7/2/2016 AND 7/3/2016, STILL ENTANGLED AND SPYHOPPING, TOWING 60-70 FT OF LINE, PLUS BUOYS. CONFIRMED DUNGENESS CRAB POT TRAP (CA) FROM PHOTOS. SEVERITY AND CONFIGURATION OF GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	6	1	UNIDENTIFIED FISHERY INTERACTION	SANTA BARBARA	CA	SI (PRORATE)	WHALE OFF SANTA CRUZ ISLAND, FEEDING WITH OTHER WHALES, REPORTED TO BE DRAGGING 3 BUOYS. PHOTOS APPARENTLY AVAILABLE. NO ADDITIONAL DETAILS.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	6	2	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	WHALE-WATCHING VESSEL REPORTED WHALE WITH BLUE LINE (MULTIPLE WRAPS) BEHIND BLOWHOLE AND BEHIND DORSAL, 2 YELLOW BULLET BUOYS ON RIGHT SIDE. AMOUNT AND CONFIGURATION OF GEAR UNKNOWN. PHOTOS TAKEN, INCLUDING FLUKE-ID.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	6	4	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI	MULTIPLE TIGHT WRAPS AT BASE OF LEFT PECTORAL FLIPPER, LINE HANGING DOWN TO TRAP (NOT SEEN), 2 BUOYS: 1 CLOSE TO TIGHT WRAP (WITH DUNGENESS CRAB BUOY TAG POSITIVELY-IDENTIFIED, AS SEEN ON VIDEO, SECOND BUOY ~5 FEET ABOVE (TRAILER BUOY) ; LINE SCAR BY DORSAL FIN. NO DISENTANGLEMENT ATTEMPT WAS MADE, THOUGH FASRAFT TEAM WAS ABLE TO ASSESS ANIMAL AND TAKE VIDEO / PHOTOS. DESIGNATED L2 SERIOUS INJURY DUE TO CONSTRICTING WRAPS.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	6	8	UNIDENTIFIED FISHERY INTERACTION	SANTA CRUZ	CA	SI (PRORATE)	REPORT FROM PERSON IN KAYAK WHO ENCOUNTERED WHALE TRAILING ORANGE AND WHITE BUOY 10 FEET BEHIND WHALE. BUOY SUBMERGED WHEN WHALE DOVE.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	6	9	GILLNET FISHERY	MONTEREY	CA	SI (PRORATE)	GREEN MONOFILAMENT NETTING, RIGHT SIDE OF MOUTH, DRAPED OVER BODY, SOMETIMES OVER DORSAL FIN. NET EXITING MOUTH AND TRAILING. NO WRAPS. ANIMAL BREACHING. ANIMAL IN APPARENT GOOD HEALTH WITH MINIMAL AMOUNT OF GEAR.	NSI	L3	0	Y	N
HUMPBACK WHALE	CA-OR-WA	2016	6	12	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	VANCOUVER ISLAND	BRITISH COLUMBIA	SI	LINE DEEPLY EMBEDDED IN TAILSTOCK, TRAILING 3 BUOYS. THE ANIMAL HAD SIGNIFICANT SCARRING AROUND THE TAIL STOCK AND ROPE INJURIES ON THE ANTERIOR EDGES OF BOTH SIDES OF THE FLUKE, THE ROPE WRAP WAS AROUND THE TAIL STOCK AND THERE WAS ALSO A PERPENDICULAR ROPE WRAP ON THE RIGHT SIDE OF THE FLUKE WHICH WAS DEEP INTO THE BLUBBER/FLESH. CONSTRICTING ENTANGLEMENT AND SERIOUS INJURY UNDER CATEGORY L2. FISHERY POSITIVELY-IDENTIFIED THROUGH TAG NUMBERS. FISHERMAN HAD SET APPROX. 500 TRAPS IN BODEGA BAY, CA AREA BETWEEN MARCH 31 AND JUNE 1 OF 2016.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	6	12	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	RED AND WHITE BUOYS (2 TOTAL BUOYS) TRAILING ALONGSIDE BODY. LENGTH OF LINE, AMOUNT OF GEAR AND CONFIGURATION UNKNOWN. FAST RAFT SENT TO SEARCH FOR WHALE, NOT RELOCATED.	SI (PRORATE)	L10	0.75	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

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HUMPBACK WHALE	CA-OR-WA	2016	6	14	VESSEL STRIKE	LOS ANGELES	CA	DEAD	CAME INTO LOS ANGELES HARBOR ON THE BOW OF A LARGE SHIP. WORKING LOCATION AND LIMITED TIME FOR SAMPLING BEFORE ANIMAL WAS TOWED OUT OF THE HARBOR PREVENTED US FROM PREFORMING FULL NECROPY. SHIP TRACKER DATA SHOWS A REDUCTION IN SPEED AND A 360° MANEUVER MIGHT INDICATE THE ANIMAL WAS STRUCK AT 34° 26' 52.5" N, 125° 23' 01.0" W.	DEAD	NA	1	N	Y
HUMPBACK WHALE	CA-OR-WA	2016	6	17	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI	EMACIATED WHALE SWIMMING WITH 2 UNIQUE SETS OF CA DUNGENESS CRAB POT GEAR THROUGH MOUTH. THE GEAR REPRESENTS TWO SEPARATE VESSELS' BUOYS AND ROPES. CONFIRMED FROM TAG NUMBERS. FAST RAFT TEAM WAS ABLE TO ATTACH TELEMETRY TO WHALE, BUT DISENTANGLEMENT EFFORT DID NOT OCCUR BECAUSE BOAT WAS NOT HOLDING AIR. DESIGNATED SERIOUS INJURY BECAUSE OF EMACIATED CONDITION, WHICH IMPLIES THAT GEAR IN MOUTH HAS INTERFERED WITH FEEDING FOR SOME TIME.	SI	L3	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	6	23	VESSEL STRIKE	CLALLAM	WA	SI	AN 87' USCG VESSEL STRUCK A 25-30' HUMPBACK WHALE ON ITS MIDSECTION WITH THE BOW WHILE TRAVELING AT 10-12 KNOTS. THE WHALE WAS OBSERVED 10 FEET IN FRONT OF THE CUTTER BEFORE THE COLLISION TOOK PLACE. NO APPARENT DAMAGE TO THE VESSEL AND THE ANIMAL WAS AT THE SURFACE OF THE WATER AFTER THE COLLISION. THE ANIMAL WAS OBSERVED FOR A PERIOD OF 10 MINUTES POST COLLISION, FOLLOWING THE COLLISION THE ANIMAL DOVE FOR 2 MINUTES AND THEN OBSERVED AT THE SURFACE.	SI	L6A	1	N	Y
HUMPBACK WHALE	CA-OR-WA	2016	6	24	UNIDENTIFIED FISHERY INTERACTION	SAN MATEO	CA	SI (PRORATE)	WHALE SWIMMING AND DIVING, TRAILING 2 SETS OF YELLOW/WHITE/ORANGE BUOYS ABOUT 5 FEET BEHIND THE BLOWHOLE AND TRAILING LINE 100 FEET BEHIND ANIMAL. AMOUNT AND CONFIGURATION OF GEAR UNKNOWN. NARRATIVE SAYS PHOTOS WERE TAKEN, BUT THAT SPECIES ID COULD NOT BE CONFIRMED, CHECK WITH LONG BEACH OFFICE.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	7	5	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI (PRORATE)	WHALE TRAILING YELLOW AND BLUE CRAB BUOY AND 30 FEET OF LINE. FISHERY IDENTIFIED FROM BUOY TAG. NO DISENTANGLEMENT EFFORT, WHALE NOT RELOCATED. AMOUNT AND CONFIGURATION OF GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	7	6	VESSEL STRIKE	SAN MATEO	CA	DEAD	9.7 METER MALE WITH EVIDENCE OF HEMORRHAGING AND EDEMA INTERNALLY. DORSAL AND LATERAL PROCESS FRACTURES TO CERVICAL VERTEBRAE C1-C3. NECROPSY DONE BY THE MARINE MAMMAL CENTER.	DEAD	NA	1	N	Y
HUMPBACK WHALE	CA-OR-WA	2016	7	24	VESSEL STRIKE	SAN MATEO	CA	DEAD	10.9 METER FEMALE HUMPBACK. PHOTOS SHOW GOOD BODY CONDITION. MULTIPLE FRACTURES OF CAUDAL SKULL WITH SHARDS ON BONE LOOSE IN NECROTIC TISSUE. NECROPSIED BY THE MARINE MAMMAL CENTER. FINDINGS CONSISTENT WITH BLUNT FORCE TRAUMA DUE TO VESSEL STRIKE.	DEAD	NA	1	N	Y
HUMPBACK WHALE	CA-OR-WA	2016	8	1	UNIDENTIFIED FISHERY INTERACTION	SAN LUIS OBISPO	CA	SI (PRORATE)	1 MILE WEST OF OCEANO DUNES. WHALE STAYING AT SURFACE, DRAGGING 4 OR 5 BUOYS IN LINE, 30 FEET OR MORE BEHIND WHALE, BLUE ROPE ON HEAD OF WHALE. AMOUNT AND CONFIGURATION OF GEAR UNKNOWN. NO RESIGHTS.	SI (PRORATE)	L10	0.75	Y	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
HUMPBACK WHALE	CA-OR-WA	2016	8	6	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	ORANGE	CA	SI	PHOTOS SHOW WHALE WITH BLUE LINE THROUGH MOUTH, CONSTRICTING AROUND LEFT FLIPPER, WITH RED/PINK LACERATIONS. TWO BUOYS WITH LENGTH OF LINE IN EXCESS OF WHALE TRAILING. MULTIPLE RESIGHTS OF WHALE THROUGH 12/8/2016. PARTIAL DISENTANGLEMENT ON 9/5/2016 BUT ANIMAL STILL TRAILED GEAR. PHOTOS ON 9/14 SHOW LINE STILL WRAPPED AROUND LEFT FLIPPER, WITH DEEPER LACERATIONS THAN ORIGINAL 8/6 PHOTOS. FINAL PHOTOS OF WHALE ON 12/8 SHOW DISCOLORED DORAL SURFACE OF WHALE, GRAYISH, WITH BIOLOGICAL GROWTH (DIATOMS?). HEALTH DECLINE AND CONSTRICTING NATURE OF ENTANGLEMENT AND DETERIORATING CONDITION WARRANTS SERIOUS INJURY.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	8	9	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI	RED/ORANGE LINE COMING OUT OF ANTERIOR BASE OF MOUTH AND WRAPPED TIGHTLY AROUND BASE OF RIGHT FLIPPER. TRAILING LINE WITH 2 BUOYS, LINE LENGTH APPEARS ROUGHLY 2X - 3X LENGTH OF WHALE. GEAR POSITIVELY-IDENTIFIED BY BUOY/TAG NUMBER. NO ATTEMPT AT DISENTANGLEMENT.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	8	12	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	LINE AROUND BODY BEHIND BLOWHOLE. TRAILING ONE BUOY APPROX. 20 FT BEHIND WHALE. BUOY SUBMERGES WHEN WHALE DIVES. CONFIGURATION AND AMOUNT OF GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	8	16	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI	EMACIATED WHALE WITH DISCOLORED GRAY SKIN AND APPARENT DIATOM GROWTH, TRAILING TWO BUOYS AND 20 FT. OF LINE. FISHERY CONFIRMED VIA BUOY TAG. CONDITION OF WHALE WARRANTS SERIOUS INJURY DESIGNATION. AMOUNT OF GEAR AND CONFIGURATION UNKNOWN, BUT LIKELY HAS INTERFERED WITH FEEDING, WHICH SUGGESTS INGESTION OF GEAR.	SI	L10	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	8	16	UNIDENTIFIED FISHERY INTERACTION	SAN FRANCISCO	CA	SI (PRORATE)	WHALE SEEN 8 MI ENE OF SOUTH FARALLON ISLAND WITH LINE AND A SINGLE BUOY TRAILING BEHIND IT. NO ADDITIONAL DETAILS OR PHOTOS. AMOUNT AND CONFIGURATION OF GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	8	24	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MONTEREY	CA	SI (PRORATE)	TRAILING 2 WHITE BUOYS WITH BLACK TOPS (10 FEET APART) AND 1 YELLOW BUOY, 100 FT BEHIND WHALE, BUOYS FOULED, CDFW DUNGENESS CRAB TRAP TAG. CONFIGURATION AND AMOUNT OF GEAR UNKNOWN. ANIMAL LAST SEEN SWIMMING WITH ENTANGLEMENT.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	8	24	UNIDENTIFIED FISHERY INTERACTION	SAN LUIS OBISPO	CA	SI (PRORATE)	2 MILES OFF MORRO ROCK. ORANGE/BROWN LINE WITH ORANGE FLOAT TRAILING FROM RIGHT SIDE OF BODY, BUT VERY CLOSE TO BODY, BUOY NEAR RIGHT PECTORAL FLIPPER; GEAR IS POSSIBLY ATTACHED TO LEFT SIDE, DRAPED OVER BACK AND FLOATING ON RIGHT SIDE. MOVING AND FEEDING WITH SOCIAL GROUP OF HUMPBACKS, DIVING. ANIMAL RESIGHTED THROUGH 8/26. PHOTOS AND VIDEO REVIEWED. AMOUNT AND CONFIGURATION OF GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	8	24	UNIDENTIFIED FISHERY INTERACTION	SANTA BARBARA	CA	SI (PRORATE)	ONE RED POLYBALL (STILL INFLATED) BEING TRAILED A FEW YARDS BEHIND TAIL OF WHALE. NO PHOTOS. AMOUNT AND CONFIGURATION OF GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	8	27	UNIDENTIFIED FISHERY INTERACTION	SAN FRANCISCO	CA	SI (PRORATE)	WHALE NEAR SE FARALLON ISLAND WITH LARGE BUOY TRAILING 30 FEET BEHIND WRAPS ON TAIL. AMOUNT AND CONFIGURATION OF GEAR UNKNOWN. NO PHOTOS.	SI (PRORATE)	L10	0.75	Y	Y

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HUMPBACK WHALE	CA-OR-WA	2016	8	28	UNIDENTIFIED FISHERY INTERACTION	SAN LUIS OBISPO	CA	SI (PRORATE)	ACTIVE, DIVING WHALE, TRAVELING WITH OTHER WHALES, TRAILING A SINGLE ORANGE BUOY APPROXIMATELY 20 FEET BEHIND WHALE. PHOTOS REVIEWED. UNKNOWN AMOUNT AND CONFIGURATION OF GEAR.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	8	28	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	WHALE SEEN SWIMMING AND DIVING WITH A SINGLE WRAP OF BLUE LINE APPROXIMATELY 2-3 FEET BEHIND BLOWHOLES. FLUKES SHOW EVIDENCE OF WHITE SCARRING, POSSIBLY RELATED TO THIS ENTANGLEMENT OR POSSIBLY OLDER. ANIMAL OTHERWISE APPEARS HEALTHY. PHOTOS REVIEWED. AMOUNT AND CONFIGURATION OF GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	9	16	VESSEL STRIKE	TILLAMOOK	OR	DEAD	CAUDAL HALF OF PEDUNCLE MISSING; BASED ON DAMAGE TO CAUDAL VERTEBRA, BELIEVED TO HAVE BEEN CUT OFF BY PROPELLER; HOWEVER, UNCLEAR AS TO WHETHER DAMAGE OCCURRED PRE- OR POST-MORTEM; ALL INTERNAL ORGANS EXPULSED FROM DECOMPOSITION.; ONLY VENTRAL SIDE OF WHALE COULD BE EXAMINED.	DEAD	NA	1	N	Y
HUMPBACK WHALE	CA-OR-WA	2016	9	17	CA SPOT PRAWN TRAP FISHERY	SAN MATEO	CA	SI	CALIFORNIA SPOT PRAWN TRAP GEAR; BLUE STEEL LINE AROUND ONE PECTORAL FLIPPER AND 4 ORANGE POLY BALLS. RESIGHTED OFF SANTA BARBARA COUNTY ON 10/4/2016 YELLOW ROPE AROUND MIDSECTION AND A "4-INCH LACERATION", THOUGH THE LOCATION OF THE LACERATION IS NOT PROVIDED. PHOTOS DO NOT SHOW LACERATION AND SHOW APPARENT MARINE GROWTH ON ROPES. INTERVIEW WITH FISHERMAN INDICATES THAT ONE OF THE BUOYS IS FROM A SET MADE AT THE END OF AUGUST WEST OF SAN MATEO IN 100 FATHOMS OF WATER, WITH APPROXIMATELY 120 FATHOMS OF LINE. FISHERMAN RECOVERED HIS GEAR AND ASSUMES THAT ALL THAT REMAINS ON WHALE IS LINES AND BUOYS. DESIGNATED AS A SERIOUS INJURY. UNKNOWN AMOUNT AND CONFIGURATION OF GEAR REMAIN ON ANIMAL.	SI	L10	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	9	25	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MARIN	CA	SI (PRORATE)	COAST GUARD REPORTED WHALE WITH "CRAB POTS AND LINES". WHALE TOWING 2 ORANGE BUOYS, 1 WHITE BUOY, TRAILING 10 FEET BEHIND DORSAL FIN, CLOSE TO FLUKES. WHALE WAS ABLE TO FLUKE UP AND DIVE. UNSUCCESSFUL SEARCH FOR WHALE, AMOUNT AND CONFIGURATION OF GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	9	26	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MARIN	CA	SI (PRORATE)	AERIAL PHOTO OF HUMPBACK WHALE, "POSSIBLY ANCHORED" AND "HANGING NEAR SURFACE", WITH PECTORAL FLIPPERS FLAIRED OUT, TOWING APPROX. 150 FT. OF LINE AND 4 ORANGE POLYBALLS. NEAR PT. REYES. GEAR AMOUNT AND CONFIGURATION UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	10	9	UNIDENTIFIED FISHERY INTERACTION	SAN FRANCISCO	CA	SI (PRORATE)	WHALE TOWING ONE LARGE ORANGE POLYBALL AND ONE SMALLER WHITE POLYBALL NEAR MID-BODY. SEEN AMONG A GROUP OF 30+ FEEDING WHALES. ANIMAL WAS DIVING. PHOTOS SHOW WHALE BETWEEN OBSERVER AND POLYBALLS, SO GEAR IS OBSCURED BY DORSAL SURFACE OF WHALE, BUT OTHERWISE CLEARLY SEEN. CONFIGURATION AND AMOUNT OF GEAR UNKNOWN. NO RESIGHTS.	SI (PRORATE)	L10	0.75	Y	Y

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HUMPBACK WHALE	CA-OR-WA	2016	10	12	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI	LINE AND 4 BUOYS (3 ORANGE, 1 WHITE). LINE COMES OUT OF MOUTH ON BOTH SIDES OF WHALE (SEEN FROM DRONE FOOTAGE) AND WRAPS AROUND HEAD OF WHALE POSTERIOR TO BLOWHOLES. LINE APPEARS CONSTRICTING WITH VISIBLE INDENTATION ON DORSAL SURFACE OF BODY. RIGHT PECTORAL FLIPPER APPEARS TO BE PINNED TO BODY. DISENTANGLEMENT TEAM MADE UNSUCCESSFUL ATTEMPT TO REMOVE GEAR. WHALE SEEN DIVING NORMALLY. UNDERWATER VIDEO OF ANIMAL TOO MURKY TO ASSESS SEVERITY OF ENTANGLEMENT. TRAILING LINE DOES NOT EXCEED LENGTH OF WHALE. DESIGNATED AS SERIOUS INJURY UNDER CATEGORY L2 BECAUSE OF EVIDENCE OF CONSTRICTING GEAR. PHOTOS REVIEWED BY J. CARRETTA AND A. HENRY.	SI	L2	1	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	10	21	GILLNET FISHERY	ORANGE	CA	NSI	WHALE IDENTIFIED AS 'COMET' WITH EITHER GILLNET OR BRAIDED NET AROUND FLUKES, BUT PEDUNCLE APPEARS FREE OF GEAR. MARINE GROWTH ON GEAR MAKES IT UNCLEAR WHETHER OR NOT NET IS MONOFILAMENT OR BRAIDED. ANIMAL DIVING AND SWIMMING NORMALLY. WHALE RESIGHTED OFF LOS ANGELES LATER THAT WEEK. BARNACLE GROWTH ON FLUKES APPEARS TO BE CONTRIBUTING TO THE CONTINUED ATTACHMENT OF NET ON FLUKES. GEAR ORIGIN UNKNOWN. PHOTOS DO NOT SHOW ANY EVIDENCE OF CONSTRICTING GEAR OR LACERATIONS ON FLUKES. NON-SERIOUS INJURY DUE TO LIMITED DRAPED GEAR ON FLUKES.	NSI	L3	0	N	N
HUMPBACK WHALE	CA-OR-WA	2016	10	26	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	NSI	PHOTOGRAPH OF MONOFILAMENT LINE OVER FLUKES, LINE IS TAUGHT. WHALE WATCH SURVEY. ANIMAL RE-SIGHTED AND PHOTOGRAPHED LATER THAT DAY AND LINE IS NO LONGER VISIBLE. APPARENT SELF-RELEASE. ANIMAL WAS SEEN FEEDING. ORIGINAL AMOUNT AND CONFIGURATION OF LINE UNKNOWN.	NSI	L10	0	N	N
HUMPBACK WHALE	CA-OR-WA	2016	11	26	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MEXICO	MEXICO	SI (PRORATE)	WHALE TOWING CRAB POT, 3 BUOYS AND 100 METERS OF ROPE NEAR CABO SAN LUCAS. NO PHOTOS, BUT DRAWING OF WHALE PROVIDED, SHOWING RELATIVE LOCATION OF GEAR WRAPPED AROUND RIGHT PECTORAL FLIPPER. SELF-RELEASE OF GEAR THAT WAS COLLECTED, UNCERTAIN IF WHALE SHED ALL GEAR. PHOTOS SHOW GEAR RECOVERED FROM WHALE AND POSITIVELY-IDENTIFIED FROM LICENSE TAG NUMBER. GEAR ORIGINALLY SET IN SPRING 2017 NEAR SAN FRANCISCO.	SI (PRORATE)	L10	0.75	Y	Y
HUMPBACK WHALE	CA-OR-WA	2016	12	3	UNIDENTIFIED FISHERY INTERACTION	SONOMA	CA	SI (PRORATE)	WHALE TOWING ROPE AND 4 BUOYS, 2 BUOYS NEAR HEAD, 2 NEAR FLUKES. ANIMAL SEEN NEAR BODEGA BAY, CA, THRASHING AT SURFACE, 'LOOKS EXHAUSTED'. TWO TRAILING BUOYS ARE BICOLOR (ORANGE/YELLOW AND RED). LEADING BUOYS ARE WHITE WITH LONGITUDINAL RED BAR. BUOYS LOOK RELATIVELY FRESH AND UNFOULED. AMOUNT AND CONFIGURATION OF GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y

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HUMPBACK WHALE	CA-OR-WA	2016	12	8	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	SONOMA	CA	NSI	WHALE WRAPPED AROUND MOUTH AND LEFT SIDE NEAR BODEGA BAY DISENTANGLED FROM LINE AND 10 BUOYS BY COMMERCIAL FISHERMAN. WHALE WAS BLEEDING, FISHERMEN DESCRIBED GEAR AS CUTTING INTO WHALE. FISHERMEN SPENT 4 HRS REMOVING ALL GEAR FROM WHALE. WHALE SWAM AROUND AFTER RELEASE FROM GEAR. FISHERY POSITIVELY-IDENTIFIED FROM TRAP TAG. THIS RECORD IS CONSIDERED SEPARATE FROM THE 12/3/2016 RECORD IN SAME REGION BECAUSE OF THE DIFFERENCE IN NUMBER AND COLOR OF BUOYS ASSOCIATED WITH ENTANGLEMENT. WHALE APPEARED HEALTHY WITHOUT EVIDENCE OF A HEALTH DECLINE. NON-SERIOUS INJURY DUE TO REMOVAL OF ALL GEAR AND APPARENT HEALTH OF ANIMAL.	NSI	L2	0	N	N
HUMPBACK WHALE	CA-OR-WA	2016	12	13	DUNGENESS CRAB POT FISHERY (CALIFORNIA)	MEXICO	MEXICO	NSI	BAJA CALIFORNIA WHALE WATCH COMPANY REPORTED WHALE ENTANGLED IN 100 FT OF ROPE AND 3 ASSOCIATED BUOYS. UNDERWATER PHOTO SHOWS LINE TRAILING BACK FROM WHALE'S MIDSECTION, APPARENTLY ON THE VENTRUM BECAUSE ORIGIN OF LINE IS NOT VISIBLE FROM DORSAL PERSPECTIVE OF PHOTO. PECTORAL FLIPPERS, FLUKES, AND PEDUNCLE APPEAR FREE OF GEAR. WHALE APPEARS ROBUST AND HEALTHY FROM PHOTOS. FISHERY POSITIVELY-IDENTIFIED FROM TRAP TAG AFTER GEAR WAS REMOVED AND COLLECTED FROM WHALE. WHALE DID NOT SHOW ANY APPARENT INJURIES POST-RELEASE. ALL GEAR APPARENTLY REMOVED. BUOYS APPEAR WEATHERED AND NOT NEW.	NSI	L10	0	N	N
MINKE WHALE	CA-OR-WA	2014	6	6	MARINE DEBRIS	MENDOCINO	CA	SI	ANIMAL REPORTED LIVE ON BEACH ROCKS WITH BLOOD COMING FROM DIFFERENT PARTS OF THE BODY. THE ANIMAL HAD BRUISING IN THE THORACIC AREA WHERE THERE WAS EVIDENCE OF HUMAN INTERACTION, THOUGHT TO BE A METAL CABLE OF SOME KIND, THAT FRACTURED THE VERTEBRA IN THAT AREA. USED CRITERIA L5A DUE TO EVIDENCE OF BLOOD COMING FROM BODY.	DEAD	L5A	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	1	1	SHOOTING	PACIFIC	WA	DEAD	A BULLET HOLE WITH ASSOC. HEMORRHAGE AT STERNUM.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	1	10	MARINE DEBRIS	MARIN	CA	SI	ENTANGLEMENT AROUND NECK, DISENTANGLED ON SITE.; ORIGINALLY OBSERVED ENTANGLED 11/16/2009	NSI	P7B	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	2	21	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLES IN HEAD AND BODY WITH ASSOCIATED HEMORRHAGE; TREMENDOUS HEMORRHAGE AT NECK, FLIPPERS, AND BETWEEN DORSAL SCAPULAE; INTESTINES TWISTED; HEART SEEMED SMALL AND HAD A RIP ACROSS RIGHT VENTRICLE.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	3	26	OIL / TAR	ORANGE	CA	SI	MALNUTRITION, DEHYDRATION, TAR ON RIGHT SIDE OF FACE. TAKEN INTO REHAB, TREATED AND RELEASED. TAGGED WITH ROTOTAG #22335.	NSI	P9	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	6	12	SHOOTING	PACIFIC	WA	DEAD	CLEAR ENTRANCE AND EXIT BULLET HOLES WITH ASSOCIATED HEMORRHAGING IN BODY; GAFF CUT ON ABDOMEN; HEAD GONE; BLOOD IN THORACIC AND ABDOMINAL CAVITIES.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	7	3	VESSEL STRIKE	DEL NORTE	CA	SI	UNDERWEIGHT, LACERATION ON LEFT SHOULDER FROM POSSIBLE BOAT STRIKE, UNDERWEIGHT, BLEEDING FROM NOSE. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED. TAGGED WITH ORANGE ROTOTAG #7529.	NSI	P9	0	N	N

Appendix 4. Records of human-related injury and mortality, 2012-2016.

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NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	7	25	SHOOTING	PACIFIC	WA	DEAD	EXCELLENT BODY CONDITION. TWO BULLET HOLES WITH ASSOCIATED TRACKS AND HEMORRHAGE IN NECK; HEMORRHAGE AT RIGHT LATERAL JAW, RIGHT LUNG, AND KIDNEYS, SIGNIFICANT BLOOD IN ABDOMINAL CAVITY.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	9	6	LIMITED ENTRY SABLEFISH HOOK AND LINE	OFFSHORE	CA	DEAD	NWFSC GROUND FISH OBSERVER PROGRAM	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	10	12	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	OR	DEAD	AT-SEA HAKE OBSERVER PROGRAM	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	10	14	AK BSAI ATKA MACKEREL TRAWL UNIDENTIFIED FISHERY INTERACTION	OFFSHORE	AK	DEAD	CAUGHT AND KILLED IN TRAWL GEAR.	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	10	23		OFFSHORE	AK	DEAD	A DEAD NORTHERN ELEPHANT SEAL WAS FOUND IN A FISHING VESSEL'S TANK DURING OFFLOAD.	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	1	27	HARASSMENT	MARIN	CA	NSI	HARASSED MALNUTRITION, TRAUMA, FULL BLACKCOAT, HARASSED BY PEOPLE - PLACED BACK IN WATER BY PUBLIC WITH TOWEL, MODERATELY UNDERWEIGHT, SUNKEN EYES. MARINE DEBRIS ENTANGLEMENT, PREVIOUS ENTANGLEMENT INFECTION. ANIMAL WAS POLE SYRINGED. THERE WAS AN EXAMINATION OF THE WOUND ON THE NECK. THERE WAS THOUGHT TO BE A DEEPLY IMBEDDED ENTANGLEMENT. SEVERAL INCISIONS WERE MADE TO LOCATE THE ENTANGLEMENT. NO ENTANGLEMENT WAS FOUND AND THE WOUND WAS SCRUBBED WITH BETADINE. PREVIOUS TAG WAS FOUND WHEN ATTEMPTING TO TAG AGAIN. ANIMAL WAS PREVIOUSLY ENTANGLED AND DISENTANGLED ON 11/10/2011 AT THE SAME LOCATION.	NSI	P9	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	2	10	MARINE DEBRIS	UNKNOWN	CA	NSI	HARASSMENT, MALNUTRITION.	NSI	P7B	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	2	28	HARASSMENT	MONTEREY	CA	NSI	HARASSED BY PEOPLE AND DOGS, EMACIATED, MATERNAL SEPARATION.	SI	P9	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	3	21	HARASSMENT	MONTEREY	CA	SI	HARASSED BY PEOPLE AND DOGS, EMACIATED, MATERNAL SEPARATION.	SI	P14	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	3	27	HARASSMENT	SANTA CRUZ	CA	NSI	HARASSED BY PEOPLE AND DOGS, EMACIATED, MATERNAL SEPARATION.	SI	P14	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	5	4	AK BSAI FLATFISH TRAWL	OFFSHORE	AK	DEAD	AN ELEPHANT SEAL WAS CAUGHT AND KILLED BY TRAWL GEAR.	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	6	24	UNIDENTIFIED NET FISHERY	MONTEREY	CA	SI	NYLON NETTING ENTANGLEMENT AROUND UPPER BODY, DISENTANGLED ON SITE.	NSI	P7B, P8A	0	Y	N
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	9	15	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	OR	NSI	LIVE ELEPHANT SEAL BROUGHT ON BOARD, UNIFORM DARK COLORATION WITH DARK WHISKERS. HAD A PINK TAG ON HIND FLIPPERS #N854. RELEASED ALIVE.	NSI	P4	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	9	30	POWER PLANT ENTRAINMENT	SAN LUIS OBISPO	CA	NSI	ENTRAINMENT DIRECT OBSERVATION. THE ANIMAL WAS DISCOVERED IN DIABLO CANON POWER PLANT INTAKE STRUCTURE FOREBAY. THE SEAL WAS HEALTHY AND APPEARED UNINJURED. IT WAS EVALUATED AND HELD OVERNIGHT BEFORE BEING RELEASED THE FOLLOWING DAY.	NSI	P9	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	10	12	VESSEL STRIKE	SAN FRANCISCO	CA	DEAD	SKULL IN MANY PIECES WITH HEMORRHAGE IN TISSUES OVER TOP OF CRANIUM.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	10	21	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	HARD WHITE PLASTIC ENTANGLEMENT AROUND NECK. ENTANGLEMENT REMOVED DURING PHYSICAL RESTRAINT IN THE FIELD DURING SRO RESCUE, NOT TAGGED.	NSI	P8A, P7B	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	10	24	MARINE DEBRIS	SAN MATEO	CA	SI	BLACK 1/4 INCH PACKING STRAP ENTANGLED AROUND NECK, CUTTING IN ABOUT 4 INCHES VENTRALLY. FIELD SEDATION USED DURING SRO RESCUE, IMMEDIATE RELEASE ON BEACH. SPECIMENS COLLECTED.	NSI	P8A, P7B	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	10	31	MARINE DEBRIS	SAN MATEO	CA	SI	PACKING STRAP ENTANGLEMENT. ANIMAL SIGHTED DURING ANO NUEVO ISLAND SEA LION CAPTURES. ENTANGLEMENT REMOVED DURING PHYSICAL RESTRAINT ON THE FIELD, NOT TAGGED.	NSI	P8A, P7B	0	N	N



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NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	11	7	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	PACKING STRAP ENTANGLEMENT. DISENTANGLED ON SCENE AND GREASE MARK APPLIED IN FIELD DURING SRO RESCUE.	NSI	P8A, P7B	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	11	13	HAWAII LONGLINE SHALLOW SET FISHERY	OFFSHORE	CA	SI	ANIMAL WAS HOOKED NOT ENTANGLED. UNABLE TO DETERMINE IF HOOKED IN THE MOUTH OR INGESTED. ANIMAL WAS STRUGGLING AND FOR THE SAFETY OF THE VESSEL AND THE ANIMAL, WE CUT THE LINE. THE ENTIRE INTERACTION LASTED 1-2 MINUTES. UNABLE TO DEHOOK FOR SAFETY REASONS. CUT THE LINE BELOW THE WEIGHT, LEAVING THE HOOK, APPROX. 9 METERS OF MONO WITH THE LIGHTSTICK ATTACHED. APPROX. 37 43 N AND 129 59 W.	SI	P5A	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	11	19	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	THERE WERE NO OBVIOUS SIGNS OF DECOMPOSITION AND APPEARED TO BE FAIRLY FRESH. ANIMALS HEAD WAS SHREDDED UP WITH WHAT LOOKED LIKE FRESH WOUNDS. IT CAME UP IN THE NET DEAD. MAY HAVE BEEN KILLED BY PROPELLER, BUT CAUSE OF DEATH UNKNOWN.	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	12	1	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	WHITE PACKING STRAP ENTANGLEMENT. DISENTANGLED ON SITE. NOT ABLE TO BE GREASE MARKED OR TAGGED. ENTANGLEMENT CUT ON DORSAL SIDE BUT TOO EMBEDDED TO BE FULLY REMOVED.	SI	P8A	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	2	26	HARASSMENT	SAN LUIS OBISPO	CA	NSI	FULL BLACKCOAT, MILDLY UNDERWEIGHT, SHIVERING, NO TEETH. HARASSED.	NSI	P9	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	3	3	HARASSMENT	SANTA CRUZ	CA	NSI	LETHARGIC, NOT MOVING WHEN APPROACHED BY DOGS AND PEOPLE, MODERATELY UNDERWEIGHT. HARASSED.	NSI	P9	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	3	9	OIL / TAR	SAN LUIS OBISPO	CA	SI	EMACIATED, LETHARGIC. TAR ON DORSUM, 2 PATCHES RIGHT CRUDAL AND RIGHT DORSAL/LAST RIB.	SI	P1	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	3	14	OIL / TAR	SAN MATEO	CA	SI	EMACIATED, LETHARGIC, TAR ON RIGHT SIDE.	SI	P1	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	3	14	OIL / TAR	MONTEREY	CA	SI	EMACIATED, LETHARGIC, HARASSED BY PEOPLE - POURING WATER. HARASSED/OIL/TAR EXTERNAL EXAM	SI	P1	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	3	18	OIL / TAR	SAN LUIS OBISPO	CA	SI	EMACIATED, OIL / TAR.	SI	P1	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	3	19	HARASSMENT	SAN LUIS OBISPO	CA	NSI	EMACIATED ANIMAL HARASSED BY DOGS ON BEACH	NSI	P9	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	3	20	OIL / TAR	MONTEREY	CA	SI	EMACIATED, LETHARGIC ANIMAL WITH OIL / TAR.	SI	P1	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	3	21	OIL / TAR	MONTEREY	CA	SI	EMACIATED ANIMAL WITH OIL / TAR.	SI	P1	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	3	30	OIL / TAR	MONTEREY	CA	SI	EMACIATED, TAR ABOVE RIGHT EYE AND ON LEFT SIDE OF BACK. OIL/TAR.	SI	P1	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	3	31	MARINE DEBRIS	SONOMA	CA	SI	BLACK RUBBER CORD AROUND NECK. DISENTANGLED AND TAGGED ON BEACH. GOOD BODY WEIGHT, MOLTING.	NSI	P7B	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	4	3	OIL / TAR	MONTEREY	CA	SI	EMACIATED AND ACTIVE. OIL / TAR	SI	P1	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	4	5	HARASSMENT	SAN LUIS OBISPO	CA	NSI	EMACIATED ANIMAL ON BEACH TOUCHED/HANDLED BY MEMBERS OF PUBLIC	NSI	P9	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	4	7	HARASSMENT	SAN MATEO	CA	NSI	EMACIATED ANIMAL ON BEACH TOUCHED/HANDLED BY MEMBERS OF PUBLIC	NSI	P10	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	4	8	OIL / TAR	SAN LUIS OBISPO	CA	SI	EMACIATED ANIMAL WITH OIL / TAR.	SI	P1	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	4	13	MARINE DEBRIS	SAN MATEO	CA	SI	WHITE PACKING STRAP ENTANGLEMENT EMBEDDED IN NECK. STRAP REMOVED DURING RESCUE EFFORT.	NSI	P7B	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA	2014	4	29	OIL / TAR	SAN MATEO	CA	SI	EMACIATED ANIMAL WITH OIL / TAR.	SI	P1	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2014	7	24	SHOOTING	CLATSOP	OR	DEAD	MULTIPLE SHOTS	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2014	9	21	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2014	11	14	HAWAII LONGLINE SHALLOW SET FISHERY	OFFSHORE	CA	NSI	ANIMAL HOOKED IN MOUTH/LIP, ANIMAL ALONGSIDE VESSEL, HOOK REMOVED WITHOUT INCIDENT, NO GEAR REMAINING ON ANIMAL, NO BLEEDING OR VISIBLE INJURY.	NSI	P5C	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	2	3	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	DEAD	ANIMAL IN RIGOR MORTIS BROUGHT UP IN NET. ANIMAL CONDITION (NO DECOMPOSITION EVIDENT) EVIDENCE OF DROWNING.	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	2	23	HARASSMENT	SAN DIEGO	CA	SI	PEOPLE DRAGGING THE SEAL UP AND DOWN THE BEACH.	SI	P9	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	2	28	BLUNT FORCE TRAUMA	SAN DIEGO	CA	DEAD	TRANSFERRED TO REHAB FACILITY, OUTCOME UNKNOWN.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	2	28	HARASSMENT	SAN LUIS OBISPO	CA	SI	HUMAN KILLED SEAL BY THROWING LARGE ROCK ON ITS HEAD MULTIPLE TIMES.	SI	P14	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	4	4	OIL / TAR	SAN MATEO	CA	SI	BAD LOCATION, HARASSED BY DOGS, GOOD BODY WEIGHT AND CONDITION, PINK GUMS, VOCAL, FULL BLACK COAT. TREATED AT REHAB FACILITY AND RELEASED. CONSIDERED A DEPENDENT ANIMAL RELEASED ALONE AND THUS CONSIDERED A SERIOUS INJURY.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	4	4	OIL / TAR	SAN MATEO	CA	SI	EMACIATED, TAR PATCHES ON RIGHT REAR FLIPPERS. ANIMAL DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	4	4	OIL / TAR	SAN MATEO	CA	SI	EMACIATED. LARGE AMOUNT OF TAR ON LEFT SIDE OF NECK. ANIMAL DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	4	24	OIL / TAR	SAN DIEGO	CA	SI	THIN AND LETHARGIC. TAR ON NECK AND SIDE IN MULTIPLE SPOTS (LEFT AND RIGHT SIDE) ABOUT 1.5X1.5 INCHES WIDE. PEOPLE ON THE BEACH WERE PETTING THE SEAL. TREATED AT REHAB FACILITY AND RELEASED.	NSI	P9	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	4	25	LIMITED ENTRY SABLEFISH HOOK AND LINE	OFFSHORE	WA	DEAD	ANIMAL HAULED UP DEAD IN LONGLINE SABLEFISH GEAR.	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	5	22	OIL / TAR	SANTA BARBARA	CA	SI	SMALL PUNCTURE ON RIGHT VENTRAL MANDIBLE. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. 2-25% EXTERNAL OILING SEEN ON VENTRAL THORAX, VENTRAL CHIN, AND ON FLIPPER. TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P9	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	5	23	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	WA	DEAD	SMALL ELEPHANT SEAL DROWNED IN THE NET.	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	5	23	OIL / TAR	SANTA BARBARA	CA	SI	EMACIATED, DEHYDRATED. 2-25% EXTERNAL OILING SEEN ON HEAD AND FLANKS. ANIMAL COLLECTED AS PART OF THE REFUGIO BEACH OIL SPILL RESPONSE. DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	5	23	OIL / TAR	SAN LUIS OBISPO	CA	SI	UNDERWEIGHT, FRESH TAR ON BODY, BLOODY HIND END, LETHARGIC. TAR SAMPLED AT SLO AS PART OF SANTA BARBARA OIL SPILL. ANIMAL DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	5	24	OIL / TAR	SANTA BARBARA	CA	SI	LESS THAN 2% EXTERNAL OILING SEEN ON VENTRUM, SHOULDERS BILATERALLY, HIND FLIPPERS AND RIGHT LATERAL ABDOMEN. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. ANIMAL EUTHANIZED IN REHAB DUE TO SEVERE CATARACTS.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	5	24	OIL / TAR	SANTA BARBARA	CA	SI	SWOLLEN RECTAL AREA. LESS THAN 2% EXTERNAL OILING SEEN ON HIND FLIPPER AND VENTRUM. ANIMAL WAS COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. ANIMAL DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	5	25	OIL / TAR	VENTURA	CA	SI	ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. LESS THAN 2% EXTERNAL OILING SEEN ON VENTRUM, HIND FLIPPERS, AND TAIL. THIN AND DEHYDRATED. EUTHANIZED IN REHAB FACILITY.	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	5	25	OIL / TAR	SANTA BARBARA	CA	SI	THIN, DEHYDRATED. SMALL LACERATIONS ON HEAD ABOVE RIGHT EYE AND MUZZLE. 2-25% EXTERNAL OILING SEEN ON FACE, NECK, CHEST, ABDOMEN, AND HIND FLIPPERS. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. ANIMAL DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	6	6	OIL / TAR	SANTA BARBARA	CA	SI	2-25% EXTERNAL OILING SEEN ON DORSAL AND VENTRAL ABDOMEN. UNDERSIDE OF BOTH FRONT AND REAR FLIPPERS. ANIMAL COLLECTED AS PART OF REFUGIO BEACH OIL SPILL RESPONSE. ANIMAL DIED IN REHAB FACILITY.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	7	21	LIMITED ENTRY SABLEFISH HOOK AND LINE	OFFSHORE	CA	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	10	1	MARINE DEBRIS	SAN MATEO	CA	SI	ENTANGLEMENT AROUND NECK CUTTING INTO THE VENTRAL SIDE AND LOOSE ON THE BACK OF THE NECK. REMOVED IN FIELD WITHOUT SEDATION.	NSI	P7B	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	10	23	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	12	7	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	DISENTANGLED ON THE BEACH FROM A ROPE AROUND NECK, WOUND BLED SLIGHTLY AFTER DISENTANGLEMENT.	NSI	P7B	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA	2015	12	30	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2016	1	22	MARINE DEBRIS	SAN LUIS OBISPO	CA	NSI	ANIMAL DISTENTANGLED FROM WHITE PACKING BAND ON SITE. NO INFORMATION ON ANIMAL'S CONDITION.	NSI	P7B	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2016	1	24	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2016	1	30	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	ANIMAL DISENTANGLED FROM WHITE PACKING STRAP CONSTRICTING BODY; ANIMAL RELEASED ON SITE.	NSI	P7B	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA	2016	2	21	HARASSMENT	SAN MATEO	CA	NSI	WEANED PUP BEING HARASSED BY PUBLIC. RELOCATED TO ANO NUEVO.	NSI	P9	0	N	N
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2016	4	10	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2016	4	27	MARINE DEBRIS	MONTEREY	CA	SI	EMACIATED, LETHARGIC, MULTIPLE MINOR SKIN WOUNDS WITH FEW ABSCESSSES, HARSH LUNG SOUNDS, MULTIPLE SMALL CORNEAL OPACITIES NOTED BILATERALLY. PIECE OF WHITE PLASTIC TUBE FOUND IN STOMACH DURING POST-MORTEM EXAM.	DEAD	P2	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2016	5	24	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2016	6	16	SHOOTING	NA	OR	DEAD	EXTENSIVE HEMORRHAGE IN HEAD AND AT THORAX AND SCAPULAE AREA; SMALL PELLET-LIKE HOLES IN HEAD AND ONE IN ORBITAL BONE.	DEAD	NA	1	N	Y
NORTHERN ELEPHANT SEAL	CALIFORNIA	2016	11	5	MARINE DEBRIS	SAN MATEO	CA	SI	ANIMAL DESCRIBED AS HAVING EXCELLENT BODY CONDITION, ENTANGLED IN UNDESCRIBED MATERIAL. DISENTANGLED / RELEASED ON SITE.	NSI	P7B	0	N	N
NORTHERN FUR SEAL	EASTERN N PACIFIC-CALIFORNIA	2012	5	6	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI	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 ROTOTAG #22371.	NSI	P8A	0	Y	N
NORTHERN FUR SEAL	EASTERN N PACIFIC-CALIFORNIA	2012	5	28	POWER PLANT ENTRAINMENT	SAN LUIS OBISPO	CA	DEAD	CARCASS DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	1	N	Y
NORTHERN FUR SEAL	CALIFORNIA	2012	6	14	UNIDENTIFIED NET FISHERY/SHOOTING	PACIFIC	WA	DEAD	CARCASS; GREEN NET AROUND NECK WITH ASSOCIATED HEMORRHAGE; BULLET HOLES (POSSIBLY ENTRANCE/EXIT) NEAR BOTH SCAPULAE, WITH ASSOCIATED HEMORRHAGE	DEAD	NA	1	Y	Y
NORTHERN FUR SEAL	CALIFORNIA	2012	7	26	UNIDENTIFIED FISHERY INTERACTION	LINCOLN	OR	SI	LIVE ANIMAL, ENTANGLED IN FISHING GEAR, RESCUED BY TUNA FISHERMEN; TRANSFERRED TO REHAB AND RELEASED THE NEXT DAY	NSI	P7B	0	Y	N

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
NORTHERN FUR SEAL	EASTERN N PACIFIC-CALIFORNIA	2014	5	12	UNIDENTIFIED FISHERY INTERACTION	LINCOLN	OR	DEAD	TWO FUR SEALS WERE FOUND DEAD AND ENTANGLED IN A MASSIVE WAD OF BLUE GREEN TRAWL NET. THIS IS FUR SEAL ONE OF TWO.	DEAD	NA	1	Y	Y
NORTHERN FUR SEAL	EASTERN N PACIFIC-CALIFORNIA	2014	5	12	UNIDENTIFIED FISHERY INTERACTION	LINCOLN	OR	DEAD	TWO FUR SEALS WERE FOUND DEAD AND ENTANGLED IN A MASSIVE WAD OF BLUE GREEN TRAWL NET. THIS IS FUR SEAL ONE OF TWO.	DEAD	NA	1	Y	Y
NORTHERN FUR SEAL	EASTERN N PACIFIC-CALIFORNIA	2014	5	21	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	DEAD	A FUR SEAL WAS FOUND DEAD AND A NECROPSY WAS CONDUCTED. A NET WAS RECOVERED, BUT NO INFORMATION ON THE CONFIGURATION OF THE NET WAS REPORTED. THE REPORTING PARTY INDICATED THE MORTALITY WAS FISHERIES RELATED.	DEAD	NA	1	Y	Y
NORTHERN FUR SEAL	EASTERN N PACIFIC-CALIFORNIA	2014	12	3	OIL / TAR	MONTEREY	CA	SI	EMACIATED, LETHARGIC, NON-RESPONSIVE TO HUMAN CONTACT, AND ALERT. TAR SPOT ON LEFT SIDE. MATERNAL SEPARATION, PNEUMONIA, OIL.	SI	P1	1	N	Y
NORTHERN FUR SEAL	CALIFORNIA	2016	10	23	AT-SEA HAKE PELAGIC TRAWL	NA	OR	DEAD	A NORTHERN FUR SEAL WAS CAUGHT AND KILLED IN TRAWL GEAR.	DEAD	NA	1	Y	Y
NORTHERN FUR SEAL	EASTERN N PACIFIC-CALIFORNIA	2016	12	3	DOG ATTACK	SAN FRANCISCO	CA	DEAD	PUP NECROPSIED, CAUSE OF DEATH DETERMINED TO BE CANINE ATTACK.	DEAD	P9	1	N	Y
NORTHERN RIGHT WHALE DOLPHIN	CA-OR-WA	2012	1	8	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
NORTHERN RIGHT WHALE DOLPHIN	CA-OR-WA	2013	11	25	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
NORTHERN RIGHT WHALE DOLPHIN	CA-OR-WA	2013	11	25	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
NORTHERN RIGHT WHALE DOLPHIN	CA-OR-WA	2014	1	3	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
NORTHERN RIGHT WHALE DOLPHIN	CA-OR-WA	2016	4	10	UNIDENTIFIED FISHERY INTERACTION	UNKNOWN	OR	DEAD	EXTENSIVE FOOTROPE ROLLER MARKS ON ANIMAL; FLUKE EDGES AND PART OF PECTORALS CUT OFF; BROKEN RIBS; VARIOUS HEMORRHAGIC AREAS; COPIOUS AMOUNT OF CLEAR PINK FLUID IN BRAIN CASE; THE DOLPHIN HAD EXCELLENT BODY CONDITION	DEAD	NA	1	Y	Y
NORTHERN RIGHT WHALE DOLPHIN	CA-OR-WA	2016	9	30	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	DEAD	ANIMAL KILLED IN GEAR.	DEAD	NA	1	Y	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2012	6	28	SCIENTIFIC RESEARCH	OFFSHORE	OR	DEAD	ONE OF THREE ANIMALS CAUGHT IN A RESEARCH TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2012	6	28	SCIENTIFIC RESEARCH	OFFSHORE	OR	DEAD	ONE OF THREE ANIMALS CAUGHT IN A RESEARCH TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2012	6	28	SCIENTIFIC RESEARCH	OFFSHORE	OR	DEAD	ONE OF THREE ANIMALS CAUGHT IN A RESEARCH TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2012	6	29	SCIENTIFIC RESEARCH	OFFSHORE	CA	SI	NET WAS BEING HAULED ABOARD WHEN AN ANIMAL WAS OBSERVED WITH ITS TAIL FLUKE CAUGHT BETWEEN BARS OF MARINE MAMMAL EXCLUDER DEVICE. ANIMAL WAS TURNED TO RELEASE TAIL FLUKE AND RELEASED DOWN TRAWL RAMP. ANIMAL WAS OBSERVED TO BE SWIMMING IN WATER AFTER RELEASE. S4 SERIOUS INJURY BECAUSE ANIMAL WAS REMOVED FROM WATER, BROUGHT ON DECK (TRAWL RAMP).	SI	S4	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2012	8	18	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	ANIMAL CAUGHT IN RESEARCH TRAWL, CARCASS DISPOSED AT SEA	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2012	8	24	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	ONE OF TWO PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A MIDWATER TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2012	8	24	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	ONE OF TWO PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A MIDWATER TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2013	8	1	SCIENTIFIC RESEARCH	OFFSHORE	OR	DEAD	ANIMAL ENTANGLED IN MIDWATER TRAWL, DORSAL FIN SNAGGED ON NET MESH ANTERIOR TO MARINE MAMMAL EXCLUDER DEVICE. ANIMAL BROUGHT ON BOARD, SEXED AND PHOTOGRAPHED AND DISPOSED OVERBOARD. TRAWL NET WAS OUTFITTED WITH ACOUSTIC PINGERS AND CAMERA.	DEAD	NA	1	N	Y

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PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2013	8	1	SCIENTIFIC RESEARCH	OFFSHORE	OR	NSI	ONE OF TWO ANIMALS CAUGHT INSIDE MIDWATER TRAWL AND SEEN TO ESCAPE NET. VIDEO FOOTAGE SHOWS THAT ENTRAPMENT WAS LESS THAN 30 SECONDS AND THAT ANIMALS CONTINUED TO VOCALIZE BEFORE EXITING THE MARINE MAMMAL EXCLUDER DEVICE.	NSI	S7B	0	N	N
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2013	8	1	SCIENTIFIC RESEARCH	OFFSHORE	OR	NSI	ONE OF TWO ANIMALS CAUGHT INSIDE MIDWATER TRAWL AND SEEN TO ESCAPE NET. VIDEO FOOTAGE SHOWS THAT ENTRAPMENT WAS LESS THAN 30 SECONDS AND THAT ANIMALS CONTINUED TO VOCALIZE BEFORE EXITING THE MARINE MAMMAL EXCLUDER DEVICE.	NSI	S7B	0	N	N
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2013	9	14	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	ONE OF THREE ANIMALS KILLED IN A RESEARCH TRAWL OUTFITTED WITH A MARINE MAMMAL EXCLUDER DEVICE.	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2013	9	14	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	ONE OF THREE ANIMALS KILLED IN A RESEARCH TRAWL OUTFITTED WITH A MARINE MAMMAL EXCLUDER DEVICE.	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2013	9	14	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	ONE OF THREE ANIMALS KILLED IN A RESEARCH TRAWL OUTFITTED WITH A MARINE MAMMAL EXCLUDER DEVICE.	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2014	3	26	VESSEL STRIKE	SAN JUAN	WA	DEAD	THIS ANIMAL HAD A LARGE LACERATION THAT APPEARED TO HAVE BEEN CAUSED BY A PROPELLER STRIKE. A NECROPSY ON THE ANIMAL REVEALED INTERNAL BRUISING, SEVERAL FRACTURED VERTEBRAE, AND A SKULL FRACTURE ABOVE THE LEFT EYE.	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2014	5	14	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	KILLED IN GEAR	DEAD	NA	1	Y	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2014	6	1	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	OFF POINT SUR, CALIFORNIA, A PACIFIC WHITE-SIDED DOLPHIN WAS CAUGHT IN A COBB MIDWATER TRAWL. DOLPHIN WAS DEAD WITHOUT ANY VISIBLE INJURIES.	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2014	6	21	SCIENTIFIC RESEARCH	OFFSHORE	WA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2014	6	21	SCIENTIFIC RESEARCH	OFFSHORE	WA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2014	6	21	SCIENTIFIC RESEARCH	OFFSHORE	WA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2014	6	21	SCIENTIFIC RESEARCH	OFFSHORE	WA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2014	6	21	SCIENTIFIC RESEARCH	OFFSHORE	WA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2015	8	26	SCIENTIFIC RESEARCH	OFFSHORE	WA	DEAD	TAKE OCCURRED DURING THE SECOND SURFACE TRAWL OF THE NIGHT AT APPROX. 200M BOTTOM DEPTH. WEATHER WAS VERY CALM AND THE MOON WAS BRIGHT (1/3 PHASE). TOW WAS 30 MINUTES AND DOLPHIN WAS FIRST NOTED UPON RETRIEVAL OF THE NET. THE DOLPHIN WAS CAUGHT IN THE BOTTOM OF THE GRID ON THE MARINE MAMMAL EXCLUDER DEVICE BY ITS LEFT PECTORAL FLIPPER AND WAS DEAD UPON PULLING THE NET UP ONTO THE BOAT.	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2015	8	30	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	1 OF 2 ANIMALS KILLED IN GEAR.	DEAD	NA	1	Y	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2015	8	30	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	2 OF 2 ANIMALS KILLED IN GEAR.	DEAD	NA	1	Y	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2016	5	15	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	KILLED IN A MIDWATER TRAWL.	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2016	7	18	SCIENTIFIC RESEARCH	OFFSHORE	WA	DEAD	ONE OF SEVEN PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2016	7	18	SCIENTIFIC RESEARCH	OFFSHORE	WA	DEAD	ONE OF SEVEN PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	1	N	Y

Appendix 4. Records of human-related injury and mortality, 2012-2016.

Species	Stock or Area	Year	Month	Day	Interaction Type	County or Locale	State	Initial Injury Assessment	Comments	Final Injury Assessment	Serious Injury Criteria Code	Serious Injury Proration Value	Count Against LOF	Count Against PBR
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2016	7	18	SCIENTIFIC RESEARCH	OFFSHORE	WA	DEAD	ONE OF SEVEN PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2016	7	18	SCIENTIFIC RESEARCH	OFFSHORE	WA	DEAD	ONE OF SEVEN PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2016	7	18	SCIENTIFIC RESEARCH	OFFSHORE	WA	DEAD	ONE OF SEVEN PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2016	7	18	SCIENTIFIC RESEARCH	OFFSHORE	WA	DEAD	ONE OF SEVEN PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2016	7	18	SCIENTIFIC RESEARCH	OFFSHORE	WA	DEAD	ONE OF SEVEN PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	1	N	Y
PACIFIC WHITE-SIDED DOLPHIN	CA-OR-WA	2016	7	18	SCIENTIFIC RESEARCH	OFFSHORE	WA	ALIVE	IN ADDITION TO THE 7 DEAD DOLPHINS RETRIEVED DEAD FROM THIS TRAWL ON 7/18/2016, AN 8TH ANIMAL WAS SEEN VIA VIDEO CAMERA ATTACHED TO NET ESCAPING ALIVE THROUGH THE MARINE MAMMAL EXCLUDER DEVICE. CONDITION OF ANIMAL UNKNOWN UPON ESCAPE AND BASED ON DEAD CONDITION OF 7 ASSOCIATED ANIMALS THAT WERE TRAPPED FOR A SUFFICIENT DURATION TO RESULT IN DEATH, THIS IS BEING ASSIGNED AS A SERIOUS INJURY DUE TO UNKNOWN EFFECTS OF CAPTURE MYOPTHY.	SI	S7B	1	N	Y
RISSO'S DOLPHIN	CA-OR-WA	2013	4	19	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	DEAD	ANIMAL HAD GOOD BODY CONDITION; UTERUS RUPTURED AND BRUISED; FETUS SUBSTANTIALLY HEMORRHAGED; MUCH HEMORRHAGE THROUGHOUT ANIMAL; A LOT OF BLOODY FOAM IN TRACHEA AND BRONCHI (THIS IS INDICATIVE OF DROWNING); LOWER LEFT FRONT TOOTH GONE.	DEAD	NA	1	Y	Y
RISSO'S DOLPHIN	CA-OR-WA	2016	1	21	GILLNET FISHERY	SAN DIEGO	CA	DEAD	FISHERY INTERACTION: DORSAL FIN HAS BEEN CLEANLY CUT OFF, FLUKES AT THE PEDUNCLE HAVE BEEN CLEANLY CUT OFF EXPOSING BONE (MINIMUM TOTAL BODY LENGTH AT THIS POINT = 267.9 CM). ANIMAL WAS IN ADVANCED DECOMPOSITION AND HAD BEEN SCAVENGED, OTHER POSSIBLE MARKINGS ARE CBD. SEX ID PER GENETICS. MUTILATION / CUTTING OFF OF BODY PARTS CONSISTENT WITH HOW ANIMALS ARE REMOVED FROM GILLNETS.	DEAD	NA	1	Y	Y
SEI WHALE	CA-OR-WA	2015	8	12	VESSEL STRIKE	LOS ANGELES	CA	DEAD	MODERATELY DECOMPOSED, MILDLY BLOATED WITH SLOUGHING SKIN. JAWS APPEARED TO BE PARTIALLY SEPARATED. THE CARCASS APPEARED TO HAVE AN "INDENT" ON THE BODY JUST BEHIND THE THROAT GROOVES ON THE RIGHT VENTRAL SURFACE. THERE WAS NO EXTERNAL SIGNS OF HEMORRHAGING IN THE SURROUNDING SURFACE TISSUE (SEE PHOTOS). RIGHT FLIPPER WAS SNAPPED IN HALF. THERE WERE NO SIGNS OF HEMORRHAGING OR BLOOD IN THE BONE OR SURROUNDING TISSUE OF THE FLIPPER (SEE PHOTO). LACK OF HEMORRHAGING SUGGESTS THAT THIS WAS A POST-MORTEM VESSEL COLLISION.	DEAD	NA	1	N	Y
SHORT-FINNED PILOT WHALE	CA-OR-WA	2014	1	5	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM, ALSO RECORDED AS A SELF-REPORTED CASE BY VESSEL CAPTAIN.	DEAD	NA	1	Y	Y
SHORT-FINNED PILOT WHALE	CA-OR-WA	2014	1	19	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	1	Y	Y
SPERM WHALE	CA-OR-WA	2012	1	21	VESSEL STRIKE	PACIFIC	WA	DEAD	SKULL SEVERELY FRACTURED; BACK APPEARED TO BE BROKEN; HEMORRHAGE AT HEAD AND RIGHT SCAPULA.	DEAD	NA	1	N	Y
STRIPED DOLPHIN	CA-OR-WA	2015	11	6	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	DEAD	FRESH DEAD ANIMAL WITH RIGHT FLIPPER AND RIGHT FLUKE SEVERED; VARIOUS GASHES, CUTS (SOME PARALLEL), AND ABRASIONS ON HEAD AND BODY; BLOWHOLE REDDENED AND SWOLLEN; HEMORRHAGE ALL ALONG MANDIBLES; SEVERE INFESTATION OF EMBEDDED AND ENCYSTED PARASITES IN COLON.	DEAD	NA	1	Y	Y

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STRIPED DOLPHIN	CA-OR-WA	2016	1	30	GILLNET FISHERY	CLATSOP	OR	DEAD	GAFF INJURY ON PEDUNCLE; ROSTRUM BROKEN; "TEAR" IN TISSUE AT MELON/ROSTRUM JUNCTION; LUNGS FILLED WITH SAND, HIGHLY INFLATED, AND VERY FRIABLE; A SIGNIFICANT AMOUNT OF BLOODY FLUID IN THORACIC CAVITY; CREPITUS AROUND KIDNEYS; FAIRLY HEAVY PARASITE LOAD.	DEAD	NA	1	Y	Y
STRIPED DOLPHIN	CA-OR-WA	2016	1	30	GILLNET FISHERY	CLATSOP	OR	SI	LUNGS HIGHLY INFLATED AND HEMORRHAGED; INDENTATIONS WITH 3-CM SPACING DORSALLY; A SIGNIFICANT AMOUNT OF BLOODY FLUID IN THORACIC AND ABDOMINAL CAVITIES.	DEAD	NA	1	Y	Y
STRIPED DOLPHIN	CA-OR-WA	2016	2	1	GILLNET FISHERY	CLATSOP	OR	DEAD	GAFF INJURY AT PEDUNCLE; BLOWHOLE BLOODY; DARK RED FLUID IN THORACIC CAVITY; A SIGNIFICANT AMOUNT OF CEREBRAL SPINAL FLUID IN BRAINCASE; HEAVY LOAD OF LUNG PARASITES; CREPITUS ENCASED THE KIDNEYS; ADRENALS ABNORMAL.	DEAD	NA	1	Y	Y
UNIDENTIFIED DOLPHIN	NA	2016	10	1	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	SI	CAUGHT IN FORENET, THE CREW REMOVED AND RELEASED OVER THE STERN. SERIOUS INJURY BECAUSE ANIMAL WAS REMOVED FROM WATER AND WAS ON DECK.	SI	S4	1	Y	Y
UNIDENTIFIED OTARIID	NA	2013	6	3	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLES AT VENTRAL THORAX AND NECK WITH ASSOCIATED HEMORRHAGE; LOWER JAW BROKEN; UPPER JAW MISSING	DEAD	NA	1	N	Y
UNIDENTIFIED OTARIID	NA	2014	10	15	HAWAII LONGLINE SHALLOW SET FISHERY	OFFSHORE	CA	SI	UNIDENTIFIED SEA LION HOOKED IN LIP IN LOWER MOUTH. LEADER WAS CUT AND HOOK AND SHORT SECTION OF LINE REMAINED ON ANIMAL.	SI	P5B	1	Y	Y
UNIDENTIFIED OTARIID	NA	2015	7	18	SHOOTING	CLATSOP	OR	DEAD	SUSPECTED SHOOTING; MUCH OF THE CARCASS WAS FURLESS; NUMEROUS SUSPICIOUS HOLES ALONG LEFT SIDE OF BODY WITH POSSIBLE ASSOCIATED HEMORRHAGE; THE ANIMAL HAD GOOD TO EXCELLENT BODY CONDITION.	DEAD	NA	1	N	Y
UNIDENTIFIED OTARIID	NA	2015	12	4	HAWAII LONGLINE SHALLOW SET FISHERY	OFFSHORE	CA	SI	HOOKED IN LIP (LOWER RIGHT, ALONG WITH A FISH INITIALLY) BY 18/0 OFFSET FLAT CIRCLE HOOK (4.8MM DIAMETER). ANIMAL WAS STRUGGLING AS IT WAS PULLED AND HELD BEHIND THE VESSEL. LINE CUT: HOOK AND 2M MONOFILAMENT LEADER LEFT ON ANIMAL.	SI	P5B, P6	1	Y	Y
UNIDENTIFIED OTARIID	NA	2015	12	7	HAWAII LONGLINE SHALLOW SET FISHERY	OFFSHORE	CA	SI	HOOKED IN LEFT PECTORAL FLIPPER BY 18/0 OFFSET FLAT CIRCLE HOOK (4.8MM DIAMETER). ANIMAL WAS STRUGGLING AS IT WAS PULLED TOWARD THE VESSEL. LINE CUT: HOOK, 2M MONOFILAMENT LEADER, AND LIGHT STICK LEFT ON ANIMAL.	SI	P6	1	Y	Y
UNIDENTIFIED PINNIPED	NA	2012	6	3	UNIDENTIFIED NET FISHERY	TILLAMOOK	OR	SI	LIVE ANIMAL (POSSIBLY FUR SEAL) WITH BLUE/GREEN FISHING NET WRAPPED AROUND ITS MID-SECTION	SI	P6	1	Y	Y
UNIDENTIFIED PINNIPED	NA	2012	6	5	MARINE DEBRIS	LANE	OR	SI	YOUNG, LIVE ANIMAL (POSSIBLY SEA LION) WITH A ROPE AND WHITE SIGN WRAPPED TIGHTLY AROUND ITS NECK	SI	P8A	1	N	Y
UNIDENTIFIED PINNIPED	NA	2012	8	24	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	LINCOLN	OR	SI	LIVE ANIMAL, SWIMMING JUST OFFSHORE, ENTANGLED IN CRAB GEAR (BUOY AND LINE VISIBLE)	SI	P6	1	Y	Y
UNIDENTIFIED PINNIPED	NA	2015	9	21	LIMITED ENTRY SABLEFISH HOOK AND LINE	OFFSHORE	OR	DEAD	KILLED IN GEAR. WEATHER TOO ROUGH TO DETERMINE SPECIES.	DEAD	NA	1	Y	Y
UNIDENTIFIED PINNIPED	NA	2015	12	2	HAWAII LONGLINE SHALLOW SET FISHERY	OFFSHORE	CA	SI	HOOKED IN MOUTH AREA (PART NOT SPECIFIED, ALTHOUGH HOOK ATTACHMENT SEEN, SO INGESTION UNLIKELY) BY 18/0 OFFSET FLAT CIRCLE HOOK (4.8MM DIAMETER). THE ANIMAL WAS BEING PULLED BY THE MOVEMENT OF THE VESSEL WHEN THE LINE BROKE WHERE HOOK ATTACHED: HOOK LEFT ON ANIMAL.	SI	P5A	1	Y	Y
UNIDENTIFIED PINNIPED	NA	2015	12	5	HAWAII LONGLINE SHALLOW SET FISHERY	OFFSHORE	CA	SI	HOOKED IN CHEEK (LEFT) BY 18/0 OFFSET FLAT CIRCLE HOOK (4.8MM DIAMETER). ANIMAL WAS STRUGGLING AS IT WAS PULLED AND HELD BEHIND THE VESSEL. LINE CUT: HOOK AND 1M MONOFILAMENT LEADER LEFT ON ANIMAL.	SI	P6	1	Y	Y

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UNIDENTIFIED PINNIPED	NA	2015	12	6	HAWAII LONGLINE SHALLOW SET FISHERY	OFFSHORE	CA	SI	HOOKE IN UNKNOWN BODY LOCATION (POSSIBLY THE HEAD OR MOUTH) BY 18/0 OFFSET FLAT CIRCLE HOOK (4.8MM DIAMETER). AS THE ANIMAL WAS BEING BROUGHT CLOSER TO THE VESSEL, THE BRANCHLINE SLID OFF THE MAINLINE, WHICH WAS BROKEN: HOOK, 5.6 MONOFILAMENT LEADER, 45G AND 75G WEIGHT, AND 12M BRANCHLINE LEFT ON ANIMAL.	SI	P6	1	Y	Y
UNIDENTIFIED PINNIPED	NA	2016	11	8	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
UNIDENTIFIED PINNIPED	NA	2016	11	8	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
UNIDENTIFIED PINNIPED	NA	2016	11	8	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
UNIDENTIFIED PINNIPED	NA	2016	11	12	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
UNIDENTIFIED PINNIPED	NA	2016	11	12	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
UNIDENTIFIED PINNIPED	NA	2016	11	12	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
UNIDENTIFIED PINNIPED	NA	2016	11	13	CATCHER PROCESSOR MIDWATER TRAWL	OFFSHORE	OR	NSI	ANIMAL BRIEFLY ENTANGLED AND RELEASED WITHOUT APPARENT INJURY.	NSI	P4	0	N	N
UNIDENTIFIED SEA LION	NA	2013	3	4	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	NSI	SEA LION ENTANGLED IN GEAR BEFORE RETURNING TO SEA WITHOUT TRAILING GEAR.	NSI	P7B	0	N	N
UNIDENTIFIED WHALE	NA	2012	6	24	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	SONOMA	CA	SI (PRORATE)	SECOND-HAND REPORT FROM USCG OF A WHALE ENTANGLED IN FISHING GEAR. CONFIGURATION AND AMOUNT OF GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2012	8	16	VESSEL STRIKE	LOS ANGELES	CA	SI	CAPTAIN REPORT OF VESSEL STRIKE; CAPTAIN SAW SPOUTS AND TOOK VESSEL OFF AUTOPILOT TO ATTEMPT TO DIVERT AROUND THE WHALES; FELT A "NUDGE"; PASSENGER REPORTED SEEING THE WHALE POP UP AND RUN INTO THE SIDE OF THE VESSEL; 2ND OPERATOR SAW WHALE IN THE WAKE OF THE VESSEL BUT DID NOT OBSERVE ANY BLOOD IN THE WATER; DIVER EXAMINATION OF THE VESSEL HULL SHOWED NO SIGNS OF IMPACT OR DAMAGE. THIS WAS THE FERRY ROUTE BETWEEN CATALINA AND LONG BEACH, TYPICALLY VESSELS ARE >65FT AND TRAVEL IN EXCESS OF 10 KTS.	SI	L6A	1	N	Y
UNIDENTIFIED WHALE	NA	2013	8	23	UNIDENTIFIED NET FISHERY	CURRY	OR	SI (PRORATE)	REPORTEDLY HAD NET WRAPPED AROUND TAIL; 10-20 FEET OF MATERIAL TRAILING BELOW; SEVERAL FIST-SIZED WHITE BUOYS ATTACHED SPENDING ALL TIME AT SURFACE NOT BLOWING MUCH. LATER REPORTED OFFSHORE OF 3310 NESIKA BEACH ROAD 42.50 -124.42	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2014	3	4	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	TILLAMOOK	OR	SI (PRORATE)	REPORTED BY COMMERCIAL FISHERMAN, A 25' "HUMPBACK" WHALE WITH "KING CRAB" RED POLY BUOY WRAPPED AROUND TAIL AND TRAILING BUOY ATTACHED TO HEAD; FISHERMAN TRIED TO CUT LINE WITH KNIFE ON END OF POLE BUT THE WHALE WAS TOO ACTIVE; WAS SWIMMING AND DIVING, HEADING IN SOUTHWARD DIRECTION, SEA STATE DETERIORATING WTH APPROACHING STORM SYSTEM. SPECIES ID NOT CONFIRMED.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2014	4	16	UNIDENTIFIED FISHERY INTERACTION	CURRY	OR	SI (PRORATE)	REPORTED ENTANGLED WHALE TRAILING GEAR JUST OUTSIDE BROOKINGS HARBOR. NO DETAILS ON GEAR TYPE OR SEVERITY OF ENTANGLEMENT.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2014	6	5	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	ORANGE	CA	DEAD	1 MI OFF SAN CLEMENTE. SUSPECTED LOBSTER TRAP ENTANGLEMENT, COULDN'T READ LICENSE NUMBERS; DEAD FLOATING WHALE.	DEAD	NA	1	Y	Y
UNIDENTIFIED WHALE	NA	2014	9	26	UNIDENTIFIED FISHERY INTERACTION	SANTA CRUZ	CA	SI (PRORATE)	2 "MOSSY" BOUYS, 1 WHITE, 1 UNKNOWN COLOR. AMOUNT AND CONFIGURATION OF ATTACHED GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y



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UNIDENTIFIED WHALE	NA	2015	3	1	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	PHOTOS OF LINE RUNNING FROM MOUTH AREA, NO BUOYS OR MARKINGS, ANIMAL DEAD AND CARCASS IN POOR OVERALL CONDITION; LIKELY A GRAY WHALE GIVEN SIZE/TIMING/LOCATION/APPEARANT MORPHOLOGY, BUT RECORDED AS UNIDENTIFIED.	DEAD	NA	1	Y	Y
UNIDENTIFIED WHALE	NA	2015	5	3	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	WHALE REPORTED WITH 'TAIL WRAP' AND TWO BUOYS: WHITE AND YELLOW/ORANGE.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2015	5	9	UNIDENTIFIED FISHERY INTERACTION	MENDOCINO	CA	SI (PRORATE)	WHALE TOWING THREE ORANGE FOAM BUOYS AND ROPE. GEAR CONFIGURATION UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2015	5	28	GILLNET FISHERY	SANTA BARBARA	CA	SI (PRORATE)	WHALE REPORTED BY SAILING VESSEL AS ENTANGLED IN GILLNET / WEBBING NEAR TAIL, WITH 'LOTS OF BUOYS'. TWO BUOYS WERE ORANGE-COLORED. WHALE BEHAVIOR REPORTED AS THRASHING HARD. NO PHOTOS. THOUGHT TO BE EITHER HUMPBACK OR GRAY WHALE.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2015	8	25	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	SI (PRORATE)	WHALE PULLING TWO BUOYS, SEEMED LIKE LINE ON TAIL; CONFIRMED FROM DIRECT CONVERSATION AND DETAILS PROVIDED BY DIVER. NO PHOTOS.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2015	8	27	UNIDENTIFIED FISHERY INTERACTION	SANTA BARBARA	CA	SI (PRORATE)	TWO SMALL TORPEDO BUOYS TRAILED 40 FT BEHIND WHALE, BUOY COLORS ARE ORANGLE, YELLOW, AND RED, LINE DESCRIBE AS BLUE SPECTRA 1/8 OR 1/4 INCH, RESIGHTED LATER WITH LINE THROUGH MOUTH WITH FULL WRAP AROUND BODY; WHALE ROLLING AND BREACHING. GEAR CONFIGURATION UNKNOWN. CANNOT TELL IF GEAR IS LOOSE OR CONSTRICTING. NO PHOTOS.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2015	9	27	GILLNET FISHERY	VENTURA	CA	SI (PRORATE)	GILLNET WRAPPED AROUND AND COVERING MOST OF TAIL WITH LINE AND NETTING TRAILING 40 FEET BEHIND WHALE; BLUE (LEAD) AND WHITE (FLOAT) LINES AND NETTING BETWEEN. NO PHOTOS, UNKNOWN GEAR CONFIGURATION OR ASSESSMENT OF CONSTRICTING / NON-CONSTRICTING GEAR POSSIBLE.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2015	11	7	UNIDENTIFIED FISHERY INTERACTION	MARIN	CA	SI (PRORATE)	WHALE TRAILING LINE AND A BUOY CLOSE TO BODY SEEN DURING CA DEP. OF FISH AND WILDLIFE OVERFLIGHT.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2015	11	21	UNIDENTIFIED FISHERY INTERACTION	SANTA BARBARA	CA	SI (PRORATE)	PHOTOS REVIEWED BY J. CARRETTA. POSSIBLE HUMPBACK. MEMBER OF THE PUBLIC REPORTED SEEING A WHALE WITH LINE AND A BUOY WRAPPED AROUND BODY. NO PHOTOS. GEAR CONFIGURATION UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2015	11	27	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	RED/ORANGE BULLET SHAPED BUOY TRAILING BEHIND THE WHALE AT THE SURFACE; REPORT THAT WHALE STUCK ON CRAB NET; CIRCLED AROUND TO GET A BETTER LOOK BUT LOST IT. NO PHOTOS. GEAR TYPE CANNOT BE CONFIRMED. UNKNOWN GEAR CONFIGURATION.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2016	4	28	UNIDENTIFIED FISHERY INTERACTION	SAN FRANCISCO	CA	SI (PRORATE)	WHALE SWIMMING NORTH WITH 2 BUOYS TRAILING, COULD NOT TELL WHERE ON WHALE THE ENTANGLEMENT WAS.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2016	5	13	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	WHALE INITIALLY SEEN DRAGGING A BLUE BUOY OFF JULIA PFEIFFER BURNS STATE PARK, TRAVELING NORTH WITH OTHER WHALES. DESCRIBED AS BIG BLUE PLASTIC BUOY STUCK TO WHALE'S SIDE. AMOUNT OF GEAR AND CONFIGURATION UNKNOWN. PHOTOS INCONCLUSIVE FOR SPECIES ID. PROBABLE SUBSEQUENT RESIGHTS IN MONTEREY BAY THE NEXT DAY, UNIDENTIFIED WHALE DESCRIBED AS DRAGGING BLUE OBJECT.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2016	5	15	UNIDENTIFIED FISHERY INTERACTION	SAN MATEO	CA	SI (PRORATE)	NORTHBOUND WHALE TRAILING TWO CRAB BOUYS ABOUT 50-70 FT. BEHIND - UNKNOWN WHERE ON WHALE - 1 BUOY ORANGE AND THE OTHER SMALLER AND WHITE ABOUT 5 FEET FROM ORANGE BUOY.	SI (PRORATE)	L10	0.75	Y	Y

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UNIDENTIFIED WHALE	NA	2016	5	23	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	UNKNOWN VESSEL REPORTED ENTANGLEMENT IN 'CRAB GEAR' TO USCG. NO ADDITIONAL DETAILS AVAILABLE.	SI (PRORATE)	L10	0.75	Y	Y
UNIDENTIFIED WHALE	NA	2016	9	28	UNIDENTIFIED FISHERY INTERACTION	MARIN	CA	SI (PRORATE)	WHALE NOT MOVING, WITH ASSOCIATED LINE AND ORANGE BUOY. IN SAME AREA AS 9/26/2016 HUMPBACK WHALE THAT WAS NOT MOVING AND TOWING 4 ORANGE POLYBALLS. AMOUNT AND CONFIGURATION OF GEAR UNKNOWN.	SI (PRORATE)	L10	0.75	Y	Y