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SOURCES OF HUMAN-RELATED INJURY AND MORTALITY FOR U.S. PACIFIC WEST COAST MARINE MAMMAL STOCK ASSESSMENTS, 2009-2013

James V. Carretta[1], Marcia M. Muto[2], Sarah Wilkin[3], Justin Greenman[4], Kristin Wilkinson[5], Monica DeAngelis[4], Justin Viezbicke[4], Dan Lawson[4], Jeremy Rusin[1], and Jason Jannot[6]

[1] Marine Mammal and Sea Turtle Division, NOAA, Southwest Fisheries Science Center, La Jolla, CA 92037.
[2] National Marine Mammal Laboratory, NOAA, Alaska Fisheries Science Center, Seattle, WA 98115.
[3] NMFS Office of Protected Resources, NOAA, 1315 East-West Highway, Silver Spring MD 20910.
[4] Protected Resources Division, NMFS West Coast Region, NOAA, Long Beach, CA, 90802.
[5] Protected Resources Division, NMFS West Coast Region, NOAA, Seattle, WA 98115.
[6] Fishery Resource and Monitoring Division, Northwest Fisheries Science Center, NOAA, Seattle, WA 98115.

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U.S. Department of Commerce
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National Oceanic and Atmospheric Administration
Dr. Kathryn D. Sullivan, Administrator
National Marine Fisheries Service
Eileen Sobeck, Assistant Administrator for Fisheries

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SOURCES OF HUMAN-RELATED INJURY AND MORTALITY FOR U.S. PACIFIC WEST COAST MARINE MAMMAL STOCK ASSESSMENTS, 2009-2013.

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Summary

The Marine Mammal Protection Act (MMPA) requires the National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS), to document human-caused mortality, non-serious injury (NSI), and serious injury (SI) of marine mammals as part of assessing marine mammal stocks and to evaluate human-caused injury and mortality levels in the context of potential biological removal (PBR) levels calculated 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 reliable data on injury severity and animal condition, often in challenging environments where thorough examination of injuries is not possible. NMFS updated its SI designation and reporting process in 2012, using guidance from previous workshops (Angliss and DeMaster 1998, Andersen et al. 2008), expert opinion, and analysis of historic injury cases to develop new criteria for distinguishing SI from NSI (NMFS 2012a, 2012b; NOAA 2012; Moore et al. 2013).

This report contains updated records of human-caused injury and mortality to pinnipeds and cetaceans from 2009 to 2013 for marine mammal populations that occur in U.S. west coast waters and which are evaluated in Pacific region marine mammal stock assessment reports (SARs) (Carretta et al. 2013a, 2013b). Mortality records, while included in this report, were obviously not evaluated for SI/NSI status. 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 records, including cases from 2007 and 2008, are published in previous reports (Carretta et al. 2013a, 2014).

Sources of injury data include strandings, disentanglement networks, and fishery observer programs. Stranding network data includes records of injured marine mammals at sea and ashore reported by the public, as well as researchers. 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 *power plant water intake entrainment*. 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 (Allen and Angliss 2014) 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.

[1] Marine Mammal and Sea Turtle Division, NOAA, Southwest Fisheries Science Center, La Jolla, CA 92037.
[2] National Marine Mammal Laboratory, NOAA, Alaska Fisheries Science Center, Seattle, WA 98115.
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Methods

The assessment of marine mammals for signs of human interaction, whether alive or dead, 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 the causes of death and injury in marine mammals, and thorough examination of carcasses in challenging environments is often difficult or impossible. With respect to the uncertainties in determining whether injuries or deaths are human-related, we reviewed stranding records, including at-sea sightings, from NMFS Southwest, Northwest, and Alaska regional stranding networks. Those records with human-related causes of injury were evaluated using the new SI criteria. Animals whose initial reporting condition was '*dead*' were not evaluated for SI and these records are included in NMFS stranding databases, bycatch reports (Carretta and Enriquez 2009a, 2009b, 2010, 2012a, 2012b; Jannot et al. 2011; Breiwick 2013), human-caused mortality sections of SARs, and 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 688 records where an animal's initial condition was 'dead') include 940 injury records from 2009 to 2013. 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 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. Special cases involve injured pinnipeds transferred to public display facilities (aquaria) or U.S. Navy marine mammal programs following treatment, because their survival in the wild is questionable. In these cases, 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, injured 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 and the primary cause of death (i.e., gunshot or gillnet entanglement) is unknown, we have reported a combined cause in tabular and descriptive summaries.

Prorating of serious injuries (large whales only)

Large whales may provide the opportunity to track outcomes of human-caused injuries, due to the ability to recognize and resight individuals over time. In addition to 'NSI' and 'SI' categories, a third category of prorated serious injury ('SI prorate') is used for large whales. Prorated SI categories are determined from large whale records where the outcome is known, based on a review of historical large whale injury cases (NMFS 2012b). For example, 25 large whale cases with vessel-strike lacerations with known outcomes were reviewed and 13 (52%) resulted in a decline in health status or death of the animal (NMFS 2012b). These data are used to inform decision-making 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 where sufficient detail is available on the severity of the vessel-strike laceration, other SI codes are applied. If a 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 an 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 x 0.52 = 5.2 cases of SI. If one of these cases were confirmed as a deep laceration, then the calculation would be 9 x 0.52 = 4.7 + 1.0 = 5.7 cases of SI.

Results

A total of 1,628 human-related injury (n=940) and mortality (n=688) records are summarized by anthropogenic source in Table 1 and Appendix 4. Approximately 84% of all injury and mortality records represent opportunistic reports of beach strandings or at-sea sightings. Only 264 records represent systematic observations, either fishery observer programs (n=169), monitored research-related activities (n=44), or removals of pinnipeds from the Bonneville Dam area under MMPA Section 120 (n=51). Approximately 40% of all records involved animals initially found dead (Table 2). Pinnipeds (n=1,350) were most commonly documented injured or killed by human-related activities, followed by small cetaceans (n=157), and large whales (n=121) (Tables 3-6). Live animals accounted for 940 records, which were evaluated and assigned SI/NSI determinations, including 846 pinnipeds, 83 large whales, and 11 small cetaceans (Tables 7a-c).

The primary causes of pinniped injury and mortality were hook and line fishery interactions (n=290), shootings (n=220), and entrainment into power plant water intakes (n=151) (Tables 3 and 6, Appendix 4). Pinniped injury and mortality records included California sea lions (*Zalophus californianus*) (n=971), harbor seals (*Phoca vitulina*) (n=270), northern elephant seals (*Mirounga angustirostris*) (n=58), Guadalupe fur seals (*Arctocephalus townsendi*) (n=20), northern fur seals (*Callorhinus ursinus*) (n=11), unidentified seals (n=1), unidentified sea lions (n=6), unidentified otariids (n=2) and unidentified pinnipeds (n=11) (Table 2). Approximately one-third (n=417) of pinniped injury cases involved human intervention and treatment, either in the field or through capture and subsequent care at a rehabilitation facility. For those pinnipeds treated at rehabilitation facilities and subsequently released, it is assumed that they survived following treatment. Therefore their final injury assessments were NSI. 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=67), while others were sent to public display facilities (n=16) 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 1,350 pinniped injury and mortality records, 765 (57%) died as a result of their injuries. An additional 159 (12%) pinniped cases were assigned as serious injuries, likely to result in death. Initial NSI determinations were made for 233 pinnipeds; of these, 10 (4%) later died (Table 7a), which reflects that some pinniped injuries are initially misclassified because the severity of cases are not fully realized until post-mortem examination (see Discussion).

A total of 121 large whale injury and mortality records were reviewed (Tables 2 and 4). Of these, 38 were dead and the remaining 83 records were assessed for NSI/SI (Table 7b). Vessel strikes were the most common form of injury and mortality to blue (*Balaenoptera musculus*), fin (*B. physalus*), and Bryde's (*B. edeni*), and gray whales, while entanglement in

pot/trap fisheries was the most common source of injury to humpback whales (*Megaptera novaeangliae*) (Table 6). Large whale records included gray (n=58), humpback (n=22), fin (n=15), unidentified (n=13), sperm (*Physeter macrocephalus*) (n=5), blue (n=5), minke (*Balaenoptera acutorostrata*) (n=2), and Bryde's whale (n=1) (Table 2), with vessel strikes and entanglement-related injuries as the most common causes of SI and mortality (Table 6). Of 83 large whales evaluated for NSI/SI, 69 cases were fishery-related entanglements, 12 cases involved vessel strikes, and 2 cases involved entanglement in marine debris. Only a small fraction of the large whale injury cases (n=16) involved human intervention to remove gear. This reflects that many entangled whales are seen only once or that weather conditions prevent safe disentanglement attempts. Four large whale records that were initially designated as SI resulted in a final injury status of NSI, as a result of successful disentanglement efforts or the animal becoming free of gear over time (Table 7b). Forty-one other large whale records with initial SI designations retained final injury designations of SI and three whales were later found dead (Table 7b). One gray whale initially seen in July 2009 with constricting gillnet and rope cutting into its caudal peduncle was assigned an SI status and was resighted in 2010 and 2011, still entangled. This whale was resighted in 2013, free of gear and in apparent good health, thus the final injury determination for this case was non-serious.

Small cetaceans were rarely assessed for SI (n=11) because most were initially reported as dead (n=146). Mortality in gillnets, trawls, and unidentified net fisheries accounted for approximately two-thirds small cetacean records (n=109), with about one-third of those derived from systematic observer programs (n=31). Research-related entanglements in scientific trawls or nets accounted for 31 small cetacean records. Small cetaceans assessed for injury severity included Pacific white-sided dolphins (*Lagenorhynchus obliquidens*) (n=7), harbor porpoise (*Phocoena phocoena*) (n=1), and bottlenose dolphins (*Tursiops truncatus*) (n=1). (Table 2). Entanglement-related injuries were responsible for all small cetacean injuries, with research-related activities accounting for all the Pacific white-sided dolphin injuries. Human intervention resulted in one Pacific white-sided dolphin being freed from survey equipment without serious injuries, and one harbor porpoise was released from a research net without serious injuries. Of the 11 small cetacean records assessed for injuries, 2 animals died, 3 were considered non-serious injuries, and the remaining 6 records were determined to be serious injuries (Table 7c). Four deaths of long-beaked common dolphins were documented in 2011, as a result of exposure to underwater detonation exercises (Danil and St. Leger 2011).

Discussion

Most records of human-related marine mammal injuries and deaths represent opportunistic reports obtained through stranding networks and at-sea sightings. Stranding network data should be considered as a minimum measure of human-related injury and mortality because not all carcasses come ashore or are detected. Where evaluated, estimates of detection rates of cetacean carcasses are consistently quite low across different regions and species (<1% to 17%), highlighting that observed numbers are not representative of true impacts (Kraus et al. 2005, Perrin et al. 2011, Williams et al. 2011, Prado et al. 2013). Not all human-related impacts are considered here, 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 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 causes and recognize that some cases may be missed because of a failure to recognize human-caused injuries and deaths.

Many 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 (three northern fur seals were found dead in netting of Chinese origin in 2009). Impacts of commercial net, pot, and trap fisheries are likely greater than the number of observations because derelict gear can entangle 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.

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 embedded bullets found post-mortem or hooks in the esophagus/stomach, which were not suspected during initial external examination.

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Table 1 (page 1 of 2). Sources of human-caused injury and mortality to marine mammals, 2009-2013.

SOURCE OF HUMAN−CAUSED SERIOUS INJURY OR MORTALITY	NUMBER	CUMULATIVE PERCENT OF TOTAL
HOOK AND LINE FISHERY	294	18
SHOOTING	220	32
POWER PLANT ENTRAINMENT	151	41
GILLNET FISHERY	143	50
MARINE DEBRIS	112	57
VESSEL STRIKE	74	61
UNIDENTIFIED FISHERY INTERACTION	68	65
CA SWORDFISH DRIFT GILLNET FISHERY	65	69
UNIDENTIFIED NET FISHERY	56	73
CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	54	76
AUTHORIZED REMOVAL	51	79
SCIENTIFIC RESEARCH	44	82
CATCH SHARES BOTTOM TRAWL	43	84
HUMAN−INDUCED ABANDONMENT	28	86
OPEN ACCESS CA HALIBUT BOTTOM TRAWL	27	88
HARASSMENT	19	89
LIMITED ENTRY SABLEFISH HOOK & LINE	19	90
UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	14	91
CRAB POT FISHERY	12	92
DOG ATTACK	12	93
LIMITED ENTRY TRAWL BOTTOM TRAWL	12	93
AT−SEA HAKE PELAGIC TRAWL	11	94
NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	11	95
CAR COLLISION	10	95
GILLNET FISHERY, TRIBAL	8	96
DUNGENESS CRAB POT FISHERY	6	96
BLUNT FORCE TRAUMA	5	96
LIMITED ENTRY CA HALIBUT BOTTOM TRAWL	4	97
STAB WOUNDS	4	97
UNDERWATER DETONATION EXERCISES	4	97
TRAWL FISHERY (UNKNOWN)	3	97
UNIDENTIFIED HUMAN INTERACTION	3	97

Table 1 (page 2 of 2). Sources of human-caused injury and mortality to marine mammals, 2009-2013.

SOURCE OF HUMAN−CAUSED SERIOUS INJURY OR MORTALITY	NUMBER	CUMULATIVE PERCENT OF TOTAL
CATCH SHARES HOOK & LINE	2	98
COD POT FISHERY ENTANGLEMENT	2	98
ELECTRIC SHOCK	2	98
LIMITED ENTRY TRAWL HOOK & LINE	2	98
LOBSTER TRAP ENTANGLEMENT	2	98
NON−FISHERY ENTANGLEMENT	2	98
OPEN ACCESS FIXED GEAR HOOK & LINE	2	98
ROPE	2	98
TAR	2	99
AQUACULTURE FACILITY ENTANGLEMENT	1	99
BAIT BARGE NET ENTANGLEMENT	1	99
CA/OR/WA SABLEFISH POT FISHERY	1	99
ENTRAPMENT	1	99
FIXED GEAR SABLEFISH FISHERY OBSERVER REPORT	1	99
GAFF INJURY	1	99
HARASSMENT/DOG ATTACK	1	99
HARPOON	1	99
HAWAII LONGLINE SHALLOW SET FISHERY	1	99
LIMITED ENTRY FIXED GEAR DTL HOOK & LINE	1	99
NEARSHORE HOOK & LINE	1	99
NORTHERN WASHINGTON OCEAN TROLL FISHERY, TRIBAL	1	99
PACIFIC WHITING TRAWL FISHERY	1	99
SALMON GILLNET FISHERY	1	99
SEAL BOMB	1	100
SHOOTING / GILLNET FISHERY	1	100
SHOOTING/HOOK AND LINE FISHERY	1	100
SHOOTING/SPEARING	1	100
SHORESIDE HAKE MIDWATER TRAWL	1	100
SPRAY PAINTING	1	100
TRIBAL CRAB POT GEAR	1	100
UNIDENTIFIED NET FISHERY OR UNIDENTIFIED POT/TRAP FISHERY	1	100
UNIDENTIFIED NET FISHERY/SHOOTING	1	100

Table 2. Final serious injury and mortality designations by species, 2009-2013.

	CAPTIVITY	DEAD	NSI	SI	SI (PRORATE)
BLUE WHALE	0	4	0	0	1
BOTTLENOSE DOLPHIN	0	5	0	1	0
BRYDE'S WHALE	0	1	0	0	0
CALIFORNIA SEA LION	16	546	300	109	0
COMMON DOLPHIN, LONG−BEAKED	0	48	0	0	0
COMMON DOLPHIN, SHORT−BEAKED	0	19	0	0	0
COMMON DOLPHIN, UNIDENTIFIED	0	2	0	0	0
FIN WHALE	0	11	0	3	1
GRAY WHALE	0	18	7	21	12
GUADALUPE FUR SEAL	0	13	4	3	0
HARBOR PORPOISE	0	41	1	0	0
HARBOR SEAL	0	169	73	28	0
HUMPBACK WHALE	0	6	1	5	10
MINKE WHALE	0	0	1	0	1
NORTHERN ELEPHANT SEAL	0	25	23	10	0
NORTHERN FUR SEAL	0	9	2	0	0
NORTHERN RIGHT WHALE DOLPHIN	0	5	0	0	0
PACIFIC WHITE−SIDED DOLPHIN	0	23	2	5	0
RISSO'S DOLPHIN	0	3	0	0	0
SPERM WHALE	0	2	2	1	0
STRIPED DOLPHIN	0	1	0	0	0
UNIDENTIFIED OTARIID	0	2	0	0	0
UNIDENTIFIED PINNIPED	0	2	1	8	0
UNIDENTIFIED PORPOISE	0	1	0	0	0
UNIDENTIFIED SEA LION	0	1	5	0	0
UNIDENTIFIED SEAL	0	0	0	1	0
UNIDENTIFIED WHALE	0	0	0	10	3

Table 3 (page 1 of 2). Sources of human-caused injury and mortality to pinnipeds, 2009-2013.

SOURCE OF HUMAN−CAUSED SERIOUS INJURY OR MORTALITY	NUMBER	CUMULATIVE PERCENT OF TOTAL
HOOK AND LINE FISHERY	290	21
SHOOTING	220	38
POWER PLANT ENTRAINMENT	151	49
MARINE DEBRIS	104	57
GILLNET FISHERY	102	64
CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	52	68
AUTHORIZED REMOVAL	51	72
CATCH SHARES BOTTOM TRAWL	43	75
UNIDENTIFIED NET FISHERY	35	78
VESSEL STRIKE	34	80
CA SWORDFISH DRIFT GILLNET FISHERY	32	83
HUMAN−INDUCED ABANDONMENT	28	85
OPEN ACCESS CA HALIBUT BOTTOM TRAWL	27	87
HARASSMENT	19	88
LIMITED ENTRY SABLEFISH HOOK & LINE	19	89
UNIDENTIFIED FISHERY INTERACTION	15	91
SCIENTIFIC RESEARCH	13	91
DOG ATTACK	12	92
LIMITED ENTRY TRAWL BOTTOM TRAWL	12	93
AT−SEA HAKE PELAGIC TRAWL	11	94
NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	11	95
CAR COLLISION	10	96
GILLNET FISHERY, TRIBAL	8	96
BLUNT FORCE TRAUMA	5	97
LIMITED ENTRY CA HALIBUT BOTTOM TRAWL	4	97
STAB WOUNDS	4	97
TRAWL FISHERY (UNKNOWN)	3	97
CATCH SHARES HOOK & LINE	2	98

Table 3 (page 2 of 2). Sources of human-caused injury and mortality to pinnipeds, 2009-2013.

SOURCE OF HUMAN−CAUSED SERIOUS INJURY OR MORTALITY	NUMBER	CUMULATIVE PERCENT OF TOTAL
ELECTRIC SHOCK	2	98
LIMITED ENTRY TRAWL HOOK & LINE	2	98
ROPE	2	98
TAR	2	98
UNIDENTIFIED HUMAN INTERACTION	2	98
AQUACULTURE FACILITY ENTANGLEMENT	1	98
BAIT BARGE NET ENTANGLEMENT	1	98
CA/OR/WA SABLEFISH POT FISHERY	1	99
CRAB POT FISHERY	1	99
ENTRAPMENT	1	99
GAFF INJURY	1	99
HARASSMENT/DOG ATTACK	1	99
HAWAII LONGLINE SHALLOW SET FISHERY	1	99
LIMITED ENTRY FIXED GEAR DTL HOOK & LINE	1	99
LOBSTER TRAP ENTANGLEMENT	1	99
NEARSHORE HOOK & LINE	1	99
NON−FISHERY ENTANGLEMENT	1	99
NORTHERN WASHINGTON OCEAN TROLL FISHERY, TRIBAL	1	99
PACIFIC WHITING TRAWL FISHERY	1	99
SALMON GILLNET FISHERY	1	99
SEAL BOMB	1	99
SHOOTING / GILLNET FISHERY	1	100
SHOOTING/HOOK AND LINE FISHERY	1	100
SHOOTING/SPEARING	1	100
SHORESIDE HAKE MIDWATER TRAWL	1	100
SPRAY PAINTING	1	100
UNIDENTIFIED NET FISHERY/SHOOTING	1	100
UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	1	100

Table 4. Sources of human-caused injury and mortality to large whales, 2009-2013.

SOURCE OF HUMAN−CAUSED SERIOUS INJURY OR MORTALITY	NUMBER	CUMULATIVE PERCENT OF TOTAL
VESSEL STRIKE	37	31
UNIDENTIFIED FISHERY INTERACTION	25	51
UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	13	62
CRAB POT FISHERY	10	70
GILLNET FISHERY	10	79
DUNGENESS CRAB POT FISHERY	6	83
CA SWORDFISH DRIFT GILLNET FISHERY	5	88
UNIDENTIFIED NET FISHERY	4	91
MARINE DEBRIS	3	93
COD POT FISHERY ENTANGLEMENT	2	95
OPEN ACCESS FIXED GEAR HOOK & LINE	2	97
HARPOON	1	98
LOBSTER TRAP ENTANGLEMENT	1	98
TRIBAL CRAB POT GEAR	1	99
UNIDENTIFIED NET FISHERY OR UNIDENTIFIED POT/TRAP FISHERY	1	100

Table 5. Sources of human-caused injury and mortality to small cetaceans, 2009-2013.

SOURCE OF HUMAN−CAUSED SERIOUS INJURY OR MORTALITY	NUMBER	CUMULATIVE PERCENT OF TOTAL
GILLNET FISHERY	31	20
SCIENTIFIC RESEARCH	31	39
CA SWORDFISH DRIFT GILLNET FISHERY	28	57
UNIDENTIFIED FISHERY INTERACTION	28	75
UNIDENTIFIED NET FISHERY	17	86
MARINE DEBRIS	5	89
HOOK AND LINE FISHERY	4	92
UNDERWATER DETONATION EXERCISES	4	94
VESSEL STRIKE	3	96
CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	2	97
CRAB POT FISHERY	1	98
FIXED GEAR SABLEFISH FISHERY OBSERVER REPORT	1	99
NON−FISHERY ENTANGLEMENT	1	99
UNIDENTIFIED HUMAN INTERACTION	1	100

Table 6. Leading cause of observed human-caused injury and mortality by species, 2009-2013.

SPECIES	SOURCE OF INJURY/MORTALITY	NUMBER OF RECORDS
BLUE WHALE	VESSEL STRIKE	5
BOTTLENOSE DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	1
BRYDE'S WHALE	VESSEL STRIKE	1
CALIFORNIA SEA LION	HOOK AND LINE FISHERY	259
COMMON DOLPHIN, LONG−BEAKED	GILLNET FISHERY	21
COMMON DOLPHIN, SHORT−BEAKED	CA SWORDFISH DRIFT GILLNET FISHERY	17
COMMON DOLPHIN, UNIDENTIFIED	UNIDENTIFIED NET FISHERY	1
FIN WHALE	VESSEL STRIKE	12
GRAY WHALE	VESSEL STRIKE	12
GUADALUPE FUR SEAL	MARINE DEBRIS	10
HARBOR PORPOISE	UNIDENTIFIED FISHERY INTERACTION	15
HARBOR SEAL	POWER PLANT ENTRAINMENT	58
HUMPBACK WHALE	CRAB POT FISHERY	6
MINKE WHALE	CA SWORDFISH DRIFT GILLNET FISHERY	1
NORTHERN ELEPHANT SEAL	MARINE DEBRIS	18
NORTHERN FUR SEAL	MARINE DEBRIS	3
NORTHERN RIGHT WHALE DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	5
PACIFIC WHITE−SIDED DOLPHIN	SCIENTIFIC RESEARCH	28
RISSO'S DOLPHIN	UNIDENTIFIED FISHERY INTERACTION	2
SPERM WHALE	CA SWORDFISH DRIFT GILLNET FISHERY	2
STRIPED DOLPHIN	UNIDENTIFIED FISHERY INTERACTION	1
UNIDENTIFIED OTARIID	AT−SEA HAKE PELAGIC TRAWL	1
UNIDENTIFIED PINNIPED	UNIDENTIFIED NET FISHERY	3
UNIDENTIFIED PORPOISE	CRAB POT FISHERY	1
UNIDENTIFIED SEA LION	LIMITED ENTRY SABLEFISH HOOK & LINE	5
UNIDENTIFIED SEAL	CATCH SHARES BOTTOM TRAWL	1
UNIDENTIFIED WHALE	UNIDENTIFIED FISHERY INTERACTION	7

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 to protect endangered salmon under authority of the MMPA under Section 120.

	CAPTIVITY	DEAD	NSI	SI
ALIVE	9	42	0	0
NSI	2	10	218	3
SI	5	211	190	156

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	7	0	0
SI	3	4	38	3
SI (PRORATE)	1	0	2	25

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

	DEAD	NSI	SI
NSI	0	3	0
SI	2	0	6

Summary of Pinniped[1] Injury Categories and Criteria

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.

Category	Injury/Information	Injury Determination[2]	Additional factors for evaluating whether "case specific" injuries are serious or non-serious (additional factors at end of table) *
P1	A free-swimming animal observed at a date later than its human interaction, exhibiting signs of declining health believed to be resulting from initial injury (e.g., a marked change in body condition, tissue necrosis, emaciation, gangrene).	SI[3]	
P2	Ingested gear[4] or hook(s)	SI	
P3	Visible blood loss	Case specific[5]	Amount of blood, location of the bleeding injury, duration of bleeding
P4	Animal brought on vessel deck following entanglement/entrapment (excluding scientific research targeting marine mammals and authorized as such under a NMFS scientific research permit, where the animal is brought on and placed on the vessel deck in a controlled manner)	Case specific	Manner in which animal is brought on deck, length of time animal is on deck, environmental conditions (e.g., temperature)
P5a	Hook(s) in mouth (excluding criterion P5b), regardless of the presence of gear	SI	
P5b	Hook(s) confirmed in head (excluding criterion P5a), or in lip only (external tissue outside of teeth), no trailing gear	Case specific	Location on head (e.g., eye), depth of penetration, type of hook, prolonged restraint or struggle that could lead to capture myopathy, size of hook, impairing ability to feed
P5c	Hook(s) in any body part, but hook(s) is removed or pulls out	Case specific	Prolonged restraint or struggle that could lead to capture myopathy, location of hooking on the body, depth of hook, hook pulls out cleanly vs. causes further injury during dehooking, method used to remove hook, length of time hooked

[1] For the purposes of this table, pinnipeds include all pinniped species except walrus.
[2] This table includes on only those criteria determined to be serious injuries or case specific based on expert opinion at the 2007 Workshop (Andersen *et al.*, 2008) and by pinniped experts on the NMFS Determination Staff working group. For the purposes of streamlining the information for the reader, criteria determined to be non-serious injuries are not included in this table.
[3] SI = serious injury.
[4] For the purposes of this table, gear is defined as any portion of fishing gear excluding the hook, which is considered separately. Lures are considered gear. Gear also generally refers to any type of debris entangling or attached to the animal.
[5] Case specific = Could be a serious or non-serious injury, but either 1) there insufficient information about the impact of a particular injury, or 2) additional factors must be considered on a case-by-case basis to determine the severity.

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

[6] For the purposes of this table, potential as it relates to criterion P5d indicates that the trailing gear IS NOT capable of leading to any of the situations listed.
[7] NSI = non-serious injury.
[8] For the purposes of this table, potential as it relates to criterion P6 indicates that the trailing gear IS capable of leading to any of the situations listed.
[9] For the purposes of this table, "trauma" is defined as a wound or bodily harm caused by an extrinsic agent. Blunt trauma is an injury (abrasion, laceration, contusion or skeletal fracture) produced by a blunt object striking the body or impact of the body against a blunt object or surface. Sharp force trauma is an injury caused by a sharp or pointed object or a bullet from a gunshot creating a penetrating (stab, chop or incision) wound. Laceration is defined as a ragged incision or a tearing of the skin. Lacerations are caused by blunt trauma that results in stretching, tearing, crushing, shearing, or avulsion of the tissue.
[10] For the purposes of this table, "penetration" is defined as a wound occurring when a foreign object punctures the body, such as a bullet from a gunshot. Penetrating wounds can be characterized as one of three types: stab (small external wound that is greater in length into the body than is apparent on the skin surface), incised (clean cuts into the skin which are longer on the skin surface than they are deep), or chop wounds (incised wounds that penetrate deep to the bone, leaving a groove or cut in the bone).

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[1] Injury Categories and Criteria

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

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

[1] For the purposes of this table, "large cetaceans" include all mysticetes and sperm whales.
[2] For the purposes of this table, "gear" is defined as any portion of fishing gear excluding the hook, which is considered separately.
[3] SI = Serious Injury.
[4] NSI = Non-Serious Injury.
[5] For the purposes of this table, "laceration" is defined as a ragged incision or a tearing of the skin. Lacerations are caused by trauma that results in stretching, tearing, crushing, shearing, or avulsion of the tissue. Trauma, including blunt and sharp force trauma, includes a wound or bodily harm caused by an extrinsic agent.
[6] "Prorate" means the number of events assigned to a given category within the assessment period is multiplied by the prorate number provided for that category.

L6c	Vessel any size ≤10 knots	NSI	Struck by vessel of any size traveling at equal or less than 10 knots and no information on injury to the whale
L7a	Vessel much greater in size than whale or vessel ≥65' and speed unknown	Prorate: 0.56	Struck by vessel much greater in size than the whale traveling at an unknown speed, or struck by vessel equal or greater than 65' and traveling at unknown speed, and no information on injury to the whale. A strike to a calf by a vessel of any size when speed is unknown will be considered a serious injury
L7b	Vessel smaller in size than whale or vessel <65' and speed unknown	Prorate: 0.14	Struck by vessel smaller than the whale traveling at an unknown speed, or struck by vessel less than 65' and traveling at unknown speed, and no information on injury to the whale. A strike to a calf by a vessel of any size when speed is unknown will be considered a serious injury
L8	Dependent[7]	SI	Dependent calf of a dead or seriously injured mother
L9	Brought on deck	SI	Whale removed from water and brought on deck
L10	Evidence of entanglement	Prorate: 0.75	Confirmed entanglement but insufficient information available to place in any of the L1-L4 criteria with a high degree of certainty
L11	Vessel strike laceration	Prorate: 0.52	Whale confirmed with non-entanglement related laceration but lacking details to place in either criteria L5a or L5b with a high degree of certainty. Includes observation of blood in water
L12	Vessel strike observed	Prorate: 0.36	Confirmed vessel strike report where there is insufficient detail to assign event to criteriaL6a – L7b with a high degree of certainty. A strike to a calf by a vessel of unknown size traveling at an unknown speed will be considered a serious injury

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

Appendix 3. Small Cetacean Injury Criteria (NOAA 2012).

Summary of Small Cetacean[1] Injury Categories and Criteria

Instructions: Each small cetacean injury event is recorded to the appropriate injury/information category using all available information and scientific judgment, as described in the Procedural Directive. For a single injury event to which several categories apply, the injury determination with the highest level of severity is assigned. More detailed information or extended observation on an individual case/animal may justify a determination differing from the guidance of this table. Any injury leading to apparent significant health decline (e.g., skin discoloration, fat loss) is a serious injury.

Category	Injury/Information	Injury Determination[2]	Additional factors for evaluating whether "case specific" injuries are serious or non-serious (additional factors at end of table) *
S1	A free-swimming animal observed at a date later than its human interaction, exhibiting signs of declining health believed to be resulting from initial injury (e.g., a marked skin discoloration, fat loss)	SI[3]	
S2	Ingested gear[4] or hook(s)	SI	
S3	Visible blood loss	Case specific[5]	Amount of blood, location of the bleeding injury, duration of bleeding
S4	Animal brought on vessel deck following entanglement/entrapment (excluding scientific research targeting marine mammals and authorized as such under a NMFS scientific research permit, where the animal is brought on and placed on the vessel deck in a controlled manner)	SI	
S5a	Hook(s) in head (excluding criterion S5b), regardless of the presence of gear	SI	
S5b	Hook(s) confirmed in lip only, external tissue outside of teeth, no trailing gear	Case specific	Prolonged restraint or struggle that could lead to capture myopathy, size of hook, depth of hooking, impairing ability to feed, presence of other injuries
S5c	Hook(s) in any body part, but hook(s) is removed or pulls out	Case specific	Prolonged restraint or struggle that could lead to capture myopathy, depth of hook, hook pulls out cleanly vs. causes further injury during dehooking, method used to remove hook, length of time hooked
S5d	Hook(s) in appendage or body (excluding criterion S5a), without trailing gear or with trailing gear that does not have the potential[6] to: 1) become a constricting wrap on animal; 2) be ingested; 3) accumulate drag; or 4) become snagged on something in the environment, anchoring the animal	Case specific	Prolonged restraint or struggle that could lead to capture myopathy, depth and location of hook, type and amount of gear attached

[1] For the purposes of this table, small cetaceans include all odontocetes except sperm whales.
[2] This table includes on only those criteria determined to be serious injuries or case specific based on expert opinion at the 2007 Workshop (Andersen *et al.*, 2008) and by small cetacean experts on the NMFS Determination Staff working group. For the purposes of streamlining the information for the reader, criteria determined to be non-serious injuries are not included in this table.
[3] SI = serious injury.
[4] For the purposes of this table, gear is defined as any portion of fishing gear excluding the hook, which is considered separately. Lures are considered gear. Gear also generally refers to any type of debris entangling or attached to the animal.
[5] Case specific = Could be a serious or non-serious injury, but either 1) there is insufficient information about the impact of a particular injury, or 2) additional factors must be considered on a case-by-case basis to determine the severity
[6] For the purposes of this table, "potential" as it relates criterion S5d indicates that the trailing gear IS NOT capable of leading to any of the situations listed.

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

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

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

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

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, 2009-2013.

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	2009	10	12	VESSEL STRIKE	MONTEREY	CA	DEAD	FRACTURED VERTEBRAL BODIES, DORSAL & TRANSVERSE PROCESSES, & END PLATES; VERTEBRAE FRACTURED CAUDAL TO RIBS, NO FRACTURED RIBS; SUBCUTANEOUS TISSUE & MUSCLE HEMORRHAGING IN AREA OF VERTEBRAL TRAUMA; CARCASS EXAMINED BY LONG MARINE LABORATORY, MOSS LANDING MARINE LABORATORIES, THE MARINE MAMMAL CENTER & OTHERS	DEAD	NA	NA	0	1
BLUE WHALE	EASTERN N PACIFIC	2009	10	19	VESSEL STRIKE	MENDOCINO	CA	DEAD	HYDROGRAPHIC SURVEY VESSEL COLLIDED WITH FREE-SWIMMING ANIMAL; MORTALITY; CARCASS WASHED ASHORE SOUTH OF MENDOCINO; TWO DEEP DIAGONAL PROPELLER-LIKE CUTS ACROSS BACK & EXTENDING INTO VERTEBRAE & INTERVERTEBRAL DISKS; TWO FRACTURED POSTERIOR VERTEBRAE; CARCASS EXAMINED BY HSU-VM	DEAD	NA	NA	0	1
BLUE WHALE	EASTERN N PACIFIC	2010	8	4	VESSEL STRIKE	MONTEREY	CA	SI (PRORATE)	REPORT FROM CAPTAIN OF STRIKING A WHALE. WHALEWATCH VESSEL COLLIDED WITH FREE-SWIMMING ANIMAL; REPORT IS OF ANIMAL STRUCK MID-BODY, DIVING FOLLOWING STRIKE, NO BLOOD OBSERVED IN WATER AND ANIMAL NOT RESIGHTED. VESSEL SIZE ASSUMED IN EXCESS OF 65 FT. AND SPEED UNKNOWN.	SI (PRORATE)	L7A	0.56	0	1
BLUE WHALE	EASTERN N PACIFIC	2010	8	25	VESSEL STRIKE	SANTA BARBARA	CA	DEAD	MULTIPLE FRAGMENTS OF VERTEBRAE AND RIBS IN ABDOMINAL CAVITY	DEAD	NA	NA	0	1
BLUE WHALE	EASTERN N PACIFIC	2010	10	2	VESSEL STRIKE	SAN MATEO	CA	DEAD	BROKEN BONES AND HEMORRHAGE CONSISTENT WITH VESSEL STRIKE	DEAD	NA	NA	0	1
BOTTLENOSE DOLPHIN	CA/OR/WA OFFSHORE	2009	11	10	FIXED GEAR SABLEFISH FISHERY OBSERVER REPORT	OFFSHORE	WA	SI	OBSERVER REPORTED BUOY LINE WRAPPED AROUND ANIMAL'S CAUDAL PEDUNCLE AND FLUKES. VESSEL CAPTAIN CUT LINE OFF DOLPHIN AND IT SWAM AWAY BUT OBSERVER NOTED THAT LINE RESULTED IN CUTS ON CAUDAL PEDUNCLE.	SI	S7B, S14	NA	1	1
BOTTLENOSE DOLPHIN	CA/OR/WA OFFSHORE	2010	11	13	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
BOTTLENOSE DOLPHIN	CALIFORNIA COASTAL	2010	12	19	MARINE DEBRIS	SAN DIEGO	CA	DEAD	ADVANCED STATE OF DECOMPOSITION. DEEP, WIDE LACERATIONS THAT WERE EVENLY SPACED ALONG PEDUNCLE IN COMBINATION WITH WIDE IMPRESSION ON PECTORAL IS SUGGESTIVE OF ENTANGLEMENT IN THICK LINE/ROPE. IDENTIFIED AS COASTAL STOCK ANIMAL VIA GENETICS.	DEAD	NA	NA	0	1
BOTTLENOSE DOLPHIN	CALIFORNIA COASTAL	2012	2	22	NON-FISHERY ENTANGLEMENT	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	NA	NA	1
BOTTLENOSE DOLPHIN	NA	2012	10	16	SCIENTIFIC RESEARCH	SAN DIEGO	CA	DEAD	ANIMAL CAUGHT IN SEA OTTER RESEARCH NET.	DEAD	NA	NA	0	1
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	NA	0	1
BRYDE'S WHALE	EASTERN TROPICAL PACIFIC	2010	11	25	VESSEL STRIKE	MASON	WA	SI	SIGHTED ALIVE ON 11/25/10. ANIMAL INJURED AND NOT SURFACING NORMALLY. EXTERNAL EVIDENCE OF PROPELLER MARKS. WASHED UP DEAD ON 12/4/10 AND TOWED FOR NECROPSY ON 12/6/10. DETERMINED TO BE ONE OR MORE VESSEL STRIKES.	DEAD	L11	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	1	2	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK WITH LINE ATTACHED IN MOUTH, SOME BLOOD INSIDE MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	1	4	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN TONGUE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	1	8	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	1	15	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK IN LEFT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	1	17	HOOK AND LINE FISHERY	ORANGE	CA	NSI	FISH HOOK IN RIGHT REAR FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	1	18	GILLNET FISHERY	SANTA BARBARA	CA	SI	OLD ENTANGLEMENT WOUND ON NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	1	18	SHOOTING	LOS ANGELES	CA	SI	GUNSHOT WOUNDS UNDER RIGHT SHOULDER, IN NECK/JAW AREA, TO LEFT DORSAL THORAX & TO RIGHT EYE; RADIOGRAPHS REVEALED TWO BULLETS/PELLETS IN LEFT ELBOW REGION & FINE METAL DENSITY SPRAY IN OCULAR AREA; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO BLINDNESS FROM GUNSHOT)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	1	19	SHOOTING	SAN DIEGO	CA	SI	GUNSHOT WOUND TO LEFT SIDE OF FACE; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO SEPTIC DEGENERATION FROM GUNSHOT)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	1	21	SHOOTING	LOS ANGELES	CA	SI	GUNSHOT WOUNDS TO THORAX & SPINE; RADIOGRAPHS REVEALED BULLET IN THORAX & BULLET IN SPINE; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO PARALYSIS FROM GUNSHOT)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	1	26	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET FRAGMENT AROUND NECK CAUSING 3 CENTIMETER DEEP LACERATION; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	1	26	SHOOTING	SAN LUIS OBISPO	CA	SI	GUNSHOT WOUND TO NECK; RADIOGRAPHS REVEALED SHOTGUN PELLETS IN NECK AREA; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO PARALYSIS OF RIGHT REAR FLIPPER DUE TO GUNSHOT); NECROPSY REVEALED CURVED 7 CENTIMETER LONG METAL FRAGMENT IN STOMACH	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	1	26	SHOOTING	LOS ANGELES	CA	SI	GUNSHOT WOUND TO NECK/SHOULDER AREA; RADIOGRAPHS REVEALED NUMEROUS FRAGMENTS FROM SINGLE BULLET IN NECK/SHOULDER AREA; ABSCESS IN SHOULDER AREA FROM GUNSHOT WOUND CAUSED ANIMAL TO FAVOR RIGHT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB WITH BULLET FRAGMENTS INTACT; ABSCESS TREATED IN REHAB, ANIMAL ABLE TO USE RIGHT FRONT FLIPPER PRIOR TO RELEASE)	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	2	3	SHOOTING	LOS ANGELES	CA	SI	GUNSHOT WOUND TO RIGHT SHOULDER RESULTING IN MYOSITIS; RADIOGRAPHS REVEALED BULLET FRAGMENTS IN RIGHT SHOULDER & BULLET IN SPINE; MORTALITY (ANIMAL EUTHANIZED IN REHAB; NECROPSY REVEALED SPINAL CORD DAMAGE AT T5 & FRACTURE OF RIGHT 5TH RIB)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	2	4	GILLNET FISHERY	LOS ANGELES	CA	NSI	OLD GILLNET WOUND ON DORSAL SIDE OF NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	2	6	HOOK AND LINE FISHERY	ORANGE	CA	NSI	FISH HOOK IN NOSTRIL; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	2	6	SHOOTING	SAN DIEGO	CA	SI	2 GUNSHOT WOUNDS TO BACK; MORTALITY (ANIMAL DIED IN REHAB; SMALL BULLET FRAGMENT REMOVED DURING NECROPSY; NECROPSY REVEALED HEMOTHORAX, PULMONARY HEMORRHAGE & SIMPLE TRAUMATIC RIB FRACTURE)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	2	8	GILLNET FISHERY	VENTURA	CA	NSI	OLD GILLNET WOUND AROUND NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	2	8	SHOOTING	SANTA BARBARA	CA	DEAD	GUNSHOT WOUND TO BACK OF HEAD; CARCASS EXAMINED BY COAL OIL POINT RESERVE	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	2	8	SHOOTING	SANTA BARBARA	CA	SI	SHOTGUN WOUND TO HEAD; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	NA	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	2	15	GILLNET FISHERY	MARIN	CA	SI	GILLNET FRAGMENT AROUND HEAD & JAW; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	2	19	SHOOTING	LOS ANGELES	CA	SI	GUNSHOT WOUND TO RIGHT SHOULDER; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO PARALYSIS OF HIND FLIPPERS, CAUSE OF PARALYSIS UNKNOWN; SINGLE BULLET REMOVED FROM VENTRAL SUBCUTANEOUS TISSUE IN RIGHT SHOULDER)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	2	20	MARINE DEBRIS	VENTURA	CA	SI	FAN BELT AROUND HEAD/NECK AREA; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	2	20	SHOOTING	SAN DIEGO	CA	SI	GUNSHOT WOUND TO HINDFLIPPER; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO GUNSHOT; .22 CALIBER BULLET REMOVED FROM LEFT OF TIBIA MEDIAL CONDYLE	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	2	23	BAIT BARGE NET ENTANGLEMENT	SAN DIEGO	CA	DEAD	DEAD ANIMAL DISCOVERED INSIDE U.S. NAVY MARINE MAMMAL PROGRAM BAIT PEN	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	2	28	GILLNET FISHERY	ORANGE	CA	SI	GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = UNKNOWN)	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	3	1	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK IN LOWER RIGHT JAW; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	3	3	HOOK AND LINE FISHERY	ORANGE	CA	NSI	FISH HOOKS IN FRONT & REAR FLIPPERS; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	3	10	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, HEALTH FAILURE.	DEAD	NA	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	3	11	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, HEALTH FAILURE.	DEAD	NA	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	3	14	MARINE DEBRIS	MONTEREY	CA	SI	PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	3	14	MARINE DEBRIS	MONTEREY	CA	SI	HARD PLASTIC GASKET AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	3	17	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, HEALTH FAILURE.	DEAD	NA	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	3	18	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	3	18	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	3	18	HOOK AND LINE FISHERY	KING	WA	SI	SEA LION HAULED OUT ON BUOY WITH MONOFILAMENT FISHING LINE AROUND NECK	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	3	19	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISH HOOK IN LEFT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	3	22	MARINE DEBRIS	MONTEREY	CA	SI	BLACK RUBBER BELT (FAN BELT?) AROUND LOWER NECK, CUTTING INTO SHOULDERS, WOUND BLEEDING; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	3	26	GILLNET FISHERY	LOS ANGELES	CA	SI	OLD GILLNET WOUND AROUND NECK, TISSUE NECROTIC & INFECTED, NO GEAR ON ANIMAL; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P1	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	4	1	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, HEALTH FAILURE.	DEAD	NA	NA	NA	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	4	1	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, HEALTH FAILURE.	DEAD	NA	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	4	1	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, HEALTH FAILURE.	DEAD	NA	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	4	1	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	4	1	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	4	1	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, HEALTH FAILURE.	DEAD	NA	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	4	1	HOOK AND LINE FISHERY	ORANGE	CA	NSI	FISH HOOK IN FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	4	10	LIMITED ENTRY TRAWL BOTTOM TRAWL	OFFSHORE	OR	NSI	SEA LION OBSERVED CONSUMING FISH CATCH PRIOR TO BEING HAULED ONBOARD THE VESSEL IN THE CODEND. UPON RELEASE OF THE CODEND, THE SEA LION ESCAPED THE CONFINES, LEAPT OVER THE BIN BOARDS DEFINING THE TRAWL ALLEY, ONTO THE OBSERVER FLATBED SCALE, THEN OVER THE SIDE OF THE VESSEL. ANIMAL APPEARED TO BE UNHARMED BY THE INTERACTION.	NSI	P4	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	4	12	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	4	13	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	ANIMAL RETRIEVED FROM INSIDE BAIT HOLDING TANK; FISH HOOK IN MOUTH; PERENNIAL STRANDER INTERACTING WITH HOOK & LINE FISHERY, ALSO STRANDED IN 2007 & 2008; NON-FATAL INJURY (ANIMAL PERMANENTLY TRANSFERRED FROM REHAB TO U.S. NAVY MARINE MAMMAL PROGRAM)	CAPTIVITY	P5C	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	4	18	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK WITH ATTACHED LINE IN FLIPPER; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO SEVERE HYPOGLYCEMIA)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	4	19	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	4	24	GILLNET FISHERY	LOS ANGELES	CA	SI	OLD GILLNET SCAR AROUND NECK, NO GEAR ON ANIMAL; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO BLINDNESS & DETERIORATING BODY CONDITION)	DEAD	P1	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	4	25	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	4	26	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	ANIMAL WRAPPED IN FISHING LINE WITH MULTIPLE FISH HOOKS IN BACK & MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	4	29	LIMITED ENTRY TRAWL BOTTOM TRAWL	OFFSHORE	CA	NSI	ENTANGLED IN GEAR, NOT TRAILING GEAR WHEN RELEASED ALIVE.	NSI	P8B	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	4	29	LIMITED ENTRY TRAWL BOTTOM TRAWL	OFFSHORE	CA	NSI	CAUGHT IN NET, VERY LIVELY AS IT JUMPED OFF THE VESSEL.	NSI	P4	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	4	30	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	4	30	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	1	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	5	2	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISHING LURE IN LEFT CHEEK, ATTACHED FISHING LINE WRAPPED AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	3	MARINE DEBRIS	MONTEREY	CA	SI	THICK TAN CANVAS WRAPPED AROUND LOWER NECK; MORTALITY (ANIMAL DIED IN REHAB WHILE UNDER ANESTHESIA)	DEAD	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	5	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	5	5	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISH HOOK IN RIGHT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	8	HOOK AND LINE FISHERY	ORANGE	CA	NSI	FISH HOOK IN VENTRUM; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	8	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK IN LOWER RIGHT LIP; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	9	MARINE DEBRIS	MONTEREY	CA	SI	PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	9	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	10	HOOK AND LINE FISHERY	ORANGE	CA	NSI	BARBED FLY HOOK IN LEFT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	11	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, HEALTH FAILURE.	DEAD	NA	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	5	11	HOOK AND LINE FISHERY	SANTA BARBARA	CA	NSI	FISH HOOK IN RIGHT FOREFLIPPER; NON-FATAL INJURY(ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	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, HEALTH FAILURE.	DEAD	NA	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	5	13	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	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, HEALTH FAILURE.	DEAD	NA	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	5	14	GILLNET FISHERY	SAN MATEO	CA	SI	GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	5	14	HOOK AND LINE FISHERY	ORANGE	CA	DEAD	12 INCHES OF FISHING LINE EXTENDING FROM MOUTH; NECROPSY REVEALED PENETRATION OF ESOPHAGEAL WALL BY FISH HOOK	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	14	STAB WOUNDS	LOS ANGELES	CA	DEAD	ADULT FEMALE WITH 41 INCH LONG INCISION ALONG THORACIC & ABDOMINAL CAVITIES; UNKNOWN IF INCISION WAS MADE PRE-MORTEM OR POST-MORTEM; CARCASS LAYING NEXT TO FETUS; PRESUMABLY DOMOIC ACID ANIMAL; PRIVATE CITIZEN MAY HAVE ATTEMPTED TO ASSIST ANIMAL WITH BIRTH OR ATTEMPTED TO EUTHANIZE ANIMAL; CARCASS MODERATELY DECOMPOSED; CARCASS EXAMINED BY CALIFORNIA WILDLIFE CENTER	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	16	HOOK AND LINE FISHERY	SANTA BARBARA	CA	NSI	FISH HOOK IN HINDFLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	17	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	18	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	2 FISH HOOKS IN RIGHT FRONT FLIPPER; MORTALITY (EUTHANIZED IN REHAB DUE TO SEVERE EMACIATION)	DEAD	P1	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	19	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	5	19	SHOOTING	LOS ANGELES	CA	DEAD	LEFT THORACIC BODY WALL PENETRATION (GROSS NECROPSY REVEALED FINDINGS CONSISTENT WITH BLUNT FORCE IMPACT THROUGH LEFT THORACIC BODY WALL TERMINATING IN LEFT ATRIUM WITHOUT LEAVING EVIDENCE OF PROJECTILE). SUSPECTED 'BANG STICK' SHOOTING	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	20	MARINE DEBRIS	MONTEREY	CA	SI	BLACK RUBBER GASKET AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	23	CAR COLLISION	ALAMEDA	CA	DEAD	NECROPSY REVEALED FRACTURED SKULL, BROKEN RIBS, THORACIC HEMORRHAGE & ABDOMINAL ORGANS PUSHED UP INTO CHEST CAVITY	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	23	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	23	SHOOTING	SAN LUIS OBISPO	CA	SI	GUNSHOT WOUND TO LEFT SIDE OF BODY; MORTALITY (ANIMAL EUTHANIZED IN REHAB; BULLET RETRIEVED FROM SOFT TISSUE OF LEFT LATERAL THORAX)	DEAD	P12	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	24	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	TWO FISH HOOKS IN RIGHT FRONT FLIPPER, TWO FISH HOOKS IN RIGHT REAR FLIPPER, TWO FISH HOOKS IN LEFT REAR FLIPPER, FISH HOOK IN MOUTH THROUGH TONGUE & GUM; ANIMAL DIED IN REHAB	DEAD	P5A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	24	HOOK AND LINE FISHERY	SANTA CRUZ	CA	NSI	FISH HOOK IN LOWER LIP; NON-FATAL INJURY (HOOK REMOVED ON SITE, ANIMAL RELOCATED & RELEASED)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	25	HOOK AND LINE FISHERY	VENTURA	CA	SI	FISH HOOKS IN LEFT FRONT FLIPPER & IN CORNER OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	25	HOOK AND LINE FISHERY	SANTA BARBARA	CA	NSI	FISH HOOK IN LEFT FOREFLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	26	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOKS IN RIGHT REAR FLIPPER & RIGHT LOWER LIP; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & PARASITISM)	DEAD	P5A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	26	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOKS WITH LINE ATTACHED IN JAW & LEFT FRONT FLIPPER; MORTALITY (ANIMAL DIED DURING TRANSPORT TO REHAB; NECROPSY REVEALED FISH HOOK IN PYLORUS WALL; CAUSE OF DEATH = PARASITIC GASTROENTERITIS)	DEAD	P5A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	26	SCIENTIFIC RESEARCH	SONOMA	CA	NSI	ANIMAL SWAM INTO NMFS RESEARCH VESSEL TRAWL NET DURING HAULBACK; TOTAL CAPTURE TIME = 2 MINUTES IN WATER, 3 MINUTES ON DECK; PRESUMED NON-FATAL INJURY (ANIMAL DESCRIBED AS ENERGETIC DURING CONTAINMENT & VIGOROUS UPON RELEASE)	NSI	P4	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	27	MARINE DEBRIS	SANTA CRUZ	CA	SI	STRING AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	27	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	28	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOKS IN FLIPPERS; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	28	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	29	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN FACE; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = UNKNOWN)	DEAD	P5B	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	29	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISH HOOK IN FACE ABOVE RIGHT EYE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	30	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISHING LURE IN LEFT SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	SI	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	30	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOKS IN RIGHT FRONT FLIPPER, LEFT FRONT FLIPPER, & IN FACE ABOVE RIGHT EYE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	30	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	5	31	HOOK AND LINE FISHERY	VENTURA	CA	SI	FISH HOOK WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	5	31	HOOK AND LINE FISHERY	VENTURA	CA	SI	FISHING LURE WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	SI	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	5	31	HOOK AND LINE FISHERY	MONTEREY	CA	NSI	FISH HOOKS WITH ATTACHED LINE IN BACK & JUST ABOVE RIGHT EYE; NON-FATAL INJURY (HOOKS REMOVED & ANIMAL RELEASED ON SITE)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	2	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK WITH ATTACHED LINE IN LEFT SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	4	HOOK AND LINE FISHERY	SAN LUIS OBISPO	CA	SI	FISH HOOK WITH ATTACHED LINE IN SHOULDER; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & SEPTICEMIA)	DEAD	P1	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	6	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK IN UPPER LIP; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	6	SHOOTING	ORANGE	CA	SI	GUNSHOT WOUND TO FACE; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO SEVERE MALNUTRITION & SEVERE PNEUMONIA; .22 CALIBER BULLET RETRIEVED FROM UNDER SKIN FROM LEFT SIDE OF FACE DURING NECROPSY)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	7	HOOK AND LINE FISHERY	VENTURA	CA	SI	FISH HOOK WITH ATTACHED STEEL LEADER IN LEFT SIDE OF MOUTH; MORTALITY (DIED IN REHAB; CAUSE OF DEATH = PERITONITIS SECONDARY TO OBSTRUCTED BOWEL)	DEAD	P5A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	7	HOOK AND LINE FISHERY	VENTURA	CA	SI	FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	7	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK WITH ATTACHED LINE IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & PNEUMONIA	DEAD	P5A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	7	HOOK AND LINE FISHERY	SANTA BARBARA	CA	NSI	FISH HOOK IN HINDFLIPPER; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P1	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	8	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOKS WITH ATTACHED LINE IN LEFT FRONT FLIPPER & IN TONGUE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	8	HOOK AND LINE FISHERY	VENTURA	CA	NSI	FISH HOOK IN HEAD BEHIND RIGHT EAR; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	8	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK IN LOWER LEFT EYELID, FISH HOOK IN LOWER LIP; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P5A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	8	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISH HOOK WITH ATTACHED LINE IN THROAT; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P5A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	9	HOOK AND LINE FISHERY	SAN LUIS OBISPO	CA	SI	FISH HOOK WITH ATTACHED LINE IN LEFT FRONT FLIPPER; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PERFORATED ULCER & MALNUTRITION)	DEAD	P1	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	9	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOKS IN RIGHT FRONT FLIPPER & LEFT & RIGHT REAR FLIPPERS; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P1	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	10	HOOK AND LINE FISHERY	SANTA CRUZ	CA	NSI	FISH HOOK IN LEFT VENTRAL SHOULDER AREA; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	10	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK IN BOTH LIPS; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	10	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	MORTALITY (NECROPSY REVEALED FISHING LURE IN STOMACH; CAUSE OF DEATH = MALNUTRITION & LYMPH NODE ABSCESS)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	12	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK IN LOWER LEFT JAW; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	12	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	13	GILLNET FISHERY	VENTURA	CA	DEAD	GILLNET FRAGMENT AROUND NECK; CARCASS EXAMINED BY CHANNEL ISLANDS MARINE & WILDLIFE INSTITUTE	DEAD	P8A	NA	1	1

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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.	2009	6	13	HOOK AND LINE FISHERY	VENTURA	CA	SI	FISH HOOK WITH LINE ATTACHED IN LEFT SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	13	HOOK AND LINE FISHERY	ORANGE	CA	SI	TEN FISH HOOKS WITH ATTACHED LINE & 3 POUND WEIGHT IN & WRAPPED AROUND FLIPPERS, CHEST & BACK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	13	HOOK AND LINE FISHERY	MONTEREY	CA	SI	TREBLE FISH HOOK IN RIGHT CHEEK; NON-FATAL INJURY (HOOK REMOVED & ANIMAL RELEASED ON SITE)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	14	GILLNET FISHERY	SANTA CRUZ	CA	SI	GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	6	15	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	15	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	FISH HOOKS IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	16	SHOOTING	SAN LUIS OBISPO	CA	SI	MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO LEFT FLIPPER ABSCESS & OSTEOMYELITIS; NECROPSY REVEALED BULLET TIP IN SUBCUTANEOUS TISSUE ON RIGHT SIDE OF NECK)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	19	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOKS, SINKERS & FLOAT WITH ATTACHED LINE IN LEFT LIP & WRAPPED AROUND MUZZLE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	19	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK WITH ATTACHED LINE & SINKER IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & PNEUMONIA)	DEAD	P5A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	19	MARINE DEBRIS	SANTA BARBARA	CA	SI	PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	19	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	20	GILLNET FISHERY	SAN MATEO	CA	SI	GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PERFORATED ULCER, PERITONITIS & MALNUTRITION)	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	6	20	SHOOTING	SAN DIEGO	CA	DEAD	3 CENTIMETER DIAMETER HOLE IN VENTRAL THORAX EXTENDING 7 CENTIMETERS, PENETRATING LUNG; HEMORRHAGE IN MUSCLE SURROUNDING WOUND; CARCASS EXAMINED BY SWFSC	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	20	SHOOTING	LOS ANGELES	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED 4 SMALL SHOTGUN PELLETS JUST UNDER SKIN ON RIGHT SIDE OF ABDOMEN; CAUSE OF DEATH = NEOPLASIA WITH METASTASIS)	DEAD	P12	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	20	SHOOTING	VENTURA	CA	DEAD	METAL DETECTOR SCANNED POSITIVE; CARCASS EXAMINED BY CHANNEL ISLANDS MARINE & WILDLIFE INSTITUTE	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	21	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	6	21	GILLNET FISHERY	SAN MATEO	CA	SI	GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	6	21	GILLNET FISHERY	MONTEREY	CA	SI	GILLNET FRAGMENT AROUND NECK & IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION, PERFORATED ULCER & SEPTICEMIA)	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	6	21	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	21	MARINE DEBRIS	SANTA BARBARA	CA	NSI	OLD ENTANGLEMENT WOUND ON NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	24	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISHING LURE WITH ATTACHED LINE IN HIND QUARTERS; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED SMALL FISH HOOK & FISHING LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	6	25	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK WITH ATTACHED LINE IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & VERMINOUS PNEUMONIA)	DEAD	P5A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	26	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN EAR, TWO FISH HOOKS IN REAR FLIPPERS; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO HYPOGLYCEMIA, PNEUMONIA, LUNGWORM INFESTATION & SEVERE MALNUTRITION)	DEAD	P1	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	26	HOOK AND LINE FISHERY	SAN FRANCISCO	CA	SI	FISH HOOK WITH ATTACHED SINKER IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	26	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK & FISHING LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	27	BLUNT FORCE TRAUMA	LOS ANGELES	CA	SI	WOUND ABOVE RIGHT EYE, BLOOD & PUS OOZING FROM EYE; FACE & JAW SWOLLEN; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED THAT WOUND OVER RIGHT EYE COMMUNICATED WITH RIGHT EYE SOCKET, TUNNELING UNDER SUBCUTANEOUS TISSUE CAUDALLY & MEDIALLY & TO LEFT SIDE OF SKULL; BONE FRAGMENTS WERE PALPABLE AROUND FRONTAL SINUS AREA & PENETRATED INTO BRAIN; BRUISED HEAD MUSCULATURE; RADIOGRAPHS REVEALED NO FRACTURES OR FOREIGN BODIES; CAUSE OF DEATH = BLUNT FORCE TRAUMA TO HEAD)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	27	HOOK AND LINE FISHERY	SAN LUIS OBISPO	CA	SI	BLUE FLASHER FISHING LURE IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & VERMINOUS PNEUMONIA)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	27	HOOK AND LINE FISHERY	MARIN	CA	NSI	FISH HOOK IN BACK; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION, ABSCESS & PNEUMONIA)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	27	SHOOTING	SAN MATEO	CA	SI	MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO BACTERIAL PNEUMONIA, PLEURITIS & LEPTOSPIROSIS; NECROPSY REVEALED FREE FLOATING PELLET IN STOMACH & PELLET IN SKELETAL MUSCLE OF RIGHT SCAPULA)	DEAD	P12	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	28	GILLNET FISHERY	VENTURA	CA	NSI	OLD HEALED GILLNET WOUND ON NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL CAPTURED & RELOCATED TO LESS POPULATED BEACH)	NSI	P1	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	28	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED TWO FISH HOOKS & 30 CENTIMETERS OF FISHING LINE IN STOMACH; HOOKS NOT SPECIFICALLY ASSOCIATED WITH STOMACH PERFORATIONS, IRRITATION OR OBSTRUCTION; CAUSE OF DEATH = EMACIATION, DEHYDRATION & HYPOGLYCEMIA)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	28	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK WITH ATTACHED LINE IN FLIPPER; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED MULTIPLE FISH HOOKS & LINE IN STOMACH; CAUSE OF DEATH = PLEURITIS & MALNUTRITION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	28	HOOK AND LINE FISHERY	SANTA BARBARA	CA	NSI	FISH HOOK IN LOWER LIP; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	6	28	MARINE DEBRIS	SAN FRANCISCO	CA	SI	THIN BLACK RUBBER CORD AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PERITONITIS & PERFORATED ULCER)	DEAD	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	29	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOKS IN RIGHT JAW & OVER RIGHT EYE; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK WITH ATTACHED LINE IN STOMACH, NOT EMBEDDED; CAUSE OF DEATH = FISH HOOK INGESTION & ABSCESSATION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	6	29	HOOK AND LINE FISHERY	VENTURA	CA	SI	FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	6	29	HOOK AND LINE FISHERY	MONTEREY	CA	NSI	FISH HOOK IN UPPER LIP, TWO FISH HOOKS IN LEFT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	1	HOOK AND LINE FISHERY	SAN FRANCISCO	CA	SI	FISHING LURE WITH ATTACHED LINE IN RIGHT SIDE OF MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	1	HOOK AND LINE FISHERY	MONTEREY	CA	NSI	FISH HOOK IN LEFT REAR FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	2	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	2	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN MOUTH; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO MASSIVE SHARK BITE WOUND TO ABDOMEN)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	2	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK & FISHING LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	2	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	MULTIPLE FISH HOOKS IN MOUTH; NON-FATAL INURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	3	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	MULTIPLE FISH HOOKS IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PNEUMONIA)	DEAD	P5A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	3	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOKS IN MOUTH, CHEEK & REAR FLIPPERS; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P5A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	3	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	4	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISHING LURE WITH ATTACHED LINE IN LEFT UPPER LIP; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	4	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOKS IN MOUTH & FLIPPERS; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK & FISHING LINE IN ESOPHAGUS; CAUSE OF DEATH = PNEUMONIA & PYOTHORAX)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	4	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOKS WITH ATTACHED LINE IN LEFT SIDE OF NECK & REAR FLIPPER; MORTALITY (ANIMAL EUTHANIZED IN REHAB; NECROPSY REVEALED 10 CENTIMETER DIAMETER BUNCHING OF FISHING LINE IN STOMACH RESULTING IN GASTRIC IMPACTION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	4	LIMITED ENTRY TRAWL BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	7	5	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET FRAGMENT EMBEDDED IN HEAD; NON-FATAL INJURY (ANIMAL PERMANENTLY TRANSFERRED TO U.S. NAVY MARINE MAMMAL PROGRAM)	CAPTIVITY	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	7	5	HOOK AND LINE FISHERY	MONTEREY	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK & FISHING LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	5	HOOK AND LINE FISHERY	SAN LUIS OBISPO	CA	NSI	FISH HOOK WITH ATTACHED LINE IN LEFT SIDE OF BODY; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = VERMINOUS PNEUMONIA & MALNUTRITION)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	5	HOOK AND LINE FISHERY	SANTA CRUZ	CA	NSI	FISHING LURE WITH ATTACHED FLOAT & LINE IN MOUTH; FISH HOOKS IN RIGHT FRONT FLIPPER, RIGHT REAR FLIPPER & LEFT REAR FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	SI	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	6	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	6	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK IN LOWER LEFT LIP; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	6	HOOK AND LINE FISHERY	SAN LUIS OBISPO	CA	NSI	FISH HOOK WITH ATTACHED LINE IN RIGHT REAR HIP AREA; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	7	6	HOOK AND LINE FISHERY	SAN LUIS OBISPO	CA	NSI	FISH HOOK WITH ATTACHED LINE IN RIGHT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	7	GILLNET FISHERY	VENTURA	CA	SI	GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	7	7	HOOK AND LINE FISHERY	ORANGE	CA	NSI	SMALL FISH HOOK IN RIGHT SIDE OF BODY; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	7	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN LEFT EYELID; MORTALITY (ANIMAL DIED IN REHAB FROM PERFORATED EYE CAUSED BY ABRASION FROM FISH HOOK & RESULTING INFECTION)	DEAD	P5B	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	7	HOOK AND LINE FISHERY	SAN LUIS OBISPO	CA	SI	SMALL FISH HOOK WITH ATTACHED LINE IN LEFT CHEEK, FISHING LINE WRAPPED AROUND HEAD BETWEEN EYES & NOSE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	8	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK IN LIP; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = SEPTICEMIA ASSOCIATED WITH SUBCUTANEOUS ABSCESS ALONG LEFT SIDE OF BODY WALL & MALNUTRITION)	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	8	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	TWO FISH HOOKS IN BASE OF TAIL & LEFT FRONT FLIPPER, ANOTHER FISH HOOK REMOVED FROM STOMACH THROUGH ENDOSCOPY; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & VERMINOUS PNEUMONIA)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	8	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	SMALL GOLD FISH HOOKS IN RIGHT EYELID, LEFT SIDE OF MOUTH & LEFT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	8	HOOK AND LINE FISHERY	SAN MATEO	CA	SI	2.5 FEET OF FISHING LINE WRAPPED AROUND BODY, FISH HOOK REMOVED FROM STOMACH THROUGH ENDOSCOPY; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = SEPTICEMIA RELATED TO FISHING GEAR INGESTION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	8	HOOK AND LINE FISHERY	MONTEREY	CA	SI	RUBBER FISHING LURE WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	SI	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	8	HOOK AND LINE FISHERY	SAN MATEO	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED TWO FISH HOOKS WITH ATTACHED LINE IN ESOPHAGUS & DUODENUM; CAUSE OF DEATH = MALNUTRITION, PERITONITIS & SEPTICEMIA POSSIBLY ASSOCIATED WITH FISHING GEAR INGESTION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	8	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK WITH ATTACHED LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	10	MARINE DEBRIS	SAN FRANCISCO	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED ELASTIC BAND IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	12	GILLNET FISHERY	MONTEREY	CA	SI	LIGHT GREEN GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	7	12	GILLNET FISHERY	MONTEREY	CA	SI	PINK GILLNET FRAGMENT AROUND NECK, CUTTING INTO TRACHEA; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	7	12	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	MULTIPLE FISH HOOKS WITH ATTACHED LINE IN MOUTH, SHOULDER & FLIPPERS; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	13	HOOK AND LINE FISHERY	MARIN	CA	SI	FISHING LINE HANGING FROM MOUTH, THREE FISH HOOKS REMOVED FROM INSIDE THROAT THROUGH ENDOSCOPY; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	13	SHOOTING	MONTEREY	CA	NSI	RADIOGRAPHS REVEALED 4 BULLET FRAGMENTS IN SHOULDER REGION; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB WITH BULLET FRAGMENTS INTACT)	NSI	P9	NA	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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CALIFORNIA SEA LION	U.S.	2009	7	14	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK WITH ATTACHED LINE IN LEFT FRONT FLIPPER; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED TREBLE HOOKS & WEIGHTS IN ESOPHAGUS & STOMACH; CAUSE OF DEATH = SEPTICEMIA RELATED TO FISHING GEAR INGESTION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	15	HOOK AND LINE FISHERY	SONOMA	CA	SI	FISH HOOK WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	15	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOKS WITH ATTACHED LINE IN MOUTH & LEFT FRONT FLIPPER, ANOTHER FISH HOOK REMOVED FROM STOMACH THROUGH ENDOSCOPY; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	15	HOOK AND LINE FISHERY	MONTEREY	CA	NSI	FISH HOOKS WITH ATTACHED LINE IN NOSE & BACK, FISHING LINE WOUND LOOSELY AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	15	LIMITED ENTRY TRAWL HOOK & LINE	OFFSHORE	CA	SI	ONE CALIFORNIA SEA LION, PREVIOUSLY SEEN FEEDING ON CATCH, WAS HOOKED IN THE MOUTH BY ONE OF THE HOOKS ON THE LONGLINE. GANGION LEADING TO THE HOOK IN THE SEA LION'S MOUTH WAS CUT. SEA LION THRASHING WILDLY. SEA LION WHICH APPEARED TO SWIM OFF NORMALLY, HOWEVER WITH A HOOK AND SMALL PIECE OF GANGION PROTRUDING FROM ITS MOUTH.	SI	P5A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	7	16	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK WITH ATTACHED LINE IN NECK, FISHING LINE LOOSELY WOUND AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = VERMINOUS PNEUMONIA)	DEAD	P5C	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	17	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISH HOOK IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED ADDITIONAL FISH HOOKS IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	18	HOOK AND LINE FISHERY	SAN LUIS OBISPO	CA	NSI	FISH HOOK WITH ATTACHED LINE IN LEFT REAR FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	18	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISH HOOK IN NOSE; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PNEUMONIA & MALNUTRITION)	DEAD	P5B	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	19	GILLNET FISHERY	SANTA BARBARA	CA	SI	GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	7	19	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN CORNER OF MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & SEVERE PULMONARY & GASTROINTESTINAL PARASITISM)	DEAD	P5A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	19	HOOK AND LINE FISHERY	SAN MATEO	CA	NSI	FISH HOOK WITH ATTACHED LINE IN REAR FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	19	MARINE DEBRIS	MONTEREY	CA	SI	THIN WHITE PACKING STRAP AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	19	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	20	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	PINK GILLNET FRAGMENT AROUND NECK & EARS; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	7	20	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISHING LURE WITH ATTACHED LINE IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	20	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISH HOOK WITH ATTACHED LINE IN LEFT SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	21	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	21	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISH HOOKS WITH ATTACHED LINE IN RIGHT SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	7	24	HOOK AND LINE FISHERY	SANTA CRUZ	CA	NSI	FISH HOOK WITH ATTACHED LINE & SWIVEL IN OUTER LIP; NON-FATAL INJURY (FISHING GEAR REMOVED & ANIMAL RELEASED ON SITE)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	25	HOOK AND LINE FISHERY	SANTA CRUZ	CA	NSI	FISH HOOK IN LEFT DORSUM; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	26	CAR COLLISION	HUMBOLDT	CA	DEAD	CARCASS IN MIDDLE OF ROAD; CARCASS EXAMINED BY HSU-VM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	26	GILLNET FISHERY	SANTA BARBARA	CA	SI	GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL DIED DURING TRANSPORT TO REHAB; PRIMARY CAUSE OF DEATH = PNEUMONIA, SECONDARY CAUSE OF DEATH = ENTANGLEMENT)	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	7	26	HOOK AND LINE FISHERY	MONTEREY	CA	SI	MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO VERMINOUS PNEUMONIA; NECROPSY REVEALED FISH HOOK & FISHING LINE IN STOMACH)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	26	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK & LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	26	SHOOTING	HUMBOLDT	CA	SI	GUNSHOT WOUND TO LEFT FRONT FLIPPER; MORTALITY (EUTHANIZED IN REHAB DUE TO GUNSHOT WOUND)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	26	SHOOTING/SPEARING	LOS ANGELES	CA	SI	ANIMAL BLEEDING FROM SMALL RAISED HOLE IN HEAD REGION; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED 1.5 CENTIMETER HOLE THROUGH SKULL INTO BRAIN WITH PURULENT/HEMORRHAGIC DISCHARGE ON RIGHT SIDE OF SKULL BEHIND EAR; RADIOGRAPHS SHOWED NO EVIDENCE OF FOREIGN BODY IN SKULL; NO EXIT WOUND FOUND)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	7	28	HOOK AND LINE FISHERY	SANTA CRUZ	CA	NSI	SMALL GOLD FISH HOOK IN TOP OF NOSE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	28	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOKS IN MOUTH & LEFT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	28	LIMITED ENTRY TRAWL BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	7	30	HOOK AND LINE FISHERY	SAN FRANCISCO	CA	NSI	ANIMAL ENTANGLED IN MASS OF FISH HOOKS, FISHING LINE, WEIGHTS & PINK BEADS; ALL GEAR FELL OFF ANIMAL DURING RETRIEVAL; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	7	31	HOOK AND LINE FISHERY	SAN MATEO	CA	NSI	FISH HOOK WITH ATTACHED LINE IN LIP; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	8	1	SHOOTING	SAN MATEO	CA	SI	BROKEN BONE PROTRUDING FROM RIGHT FRONT FLIPPER; MORTALITY (ANIMAL DIED IN REHAB; RADIOGRAPHS REVEALED BULLETS & SHOT GUN PELLETS IN HEAD & RIGHT FRONT FLIPPER)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	2	HOOK AND LINE FISHERY	SAN FRANCISCO	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK WITH ATTACHED LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION & SEPTICEMIA)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	2	SHOOTING	VENTURA	CA	DEAD	METAL DETECTOR SCANNED POSITIVE; CARCASS EXAMINED BY CHANNEL ISLANDS MARINE & WILDLIFE INSTITUTE	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	3	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN RIGHT CORNER OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	8	3	SHOOTING	MONTEREY	CA	SI	GUNSHOT WOUNDS TO RIGHT SIDE OF HEAD, LEFT ULNA & LEFT EYE; NON-FATAL INJURY (RADIOGRAPHS REVEALED TWO PELLETS IN RIGHT SIDE OF HEAD & 1 PELLET IN LEFT ULNA; LEFT EYE RUPTURED, EYEBALL SURGICALLY REMOVED IN REHAB; ANIMAL RELEASED FROM REHAB WITH PELLETS INTACT)	SI	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	4	HOOK AND LINE FISHERY	DEL NORTE	CA	NSI	FISH HOOK IN RIGHT EAR; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	8	4	SHOOTING	SAN MATEO	CA	DEAD	GUNSHOT WOUNDS TO JAW & HEAD (BULLET HOLE IN MAXILLA, BULLET HOLE IN CRANIUM); CARCASS EXAMINED BY CAS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	6	HOOK AND LINE FISHERY	MONTEREY	CA	SI	RUBBER FISH-SHAPED FISHING LURE WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	SI	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	7	HOOK AND LINE FISHERY	SANTA CRUZ	CA	NSI	FISH HOOK IN NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	8	9	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	FISH HOOKS IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	8	9	SHOOTING	SAN FRANCISCO	CA	SI	GUNSHOT WOUNDS TO HEAD, EYE, & LEFT SHOULDER; MORTALITY (ANIMAL EUTHANIZED IN REHAB; RADIOGRAPHS REVEALED 8 PELLETS IN SKULL; BULLET EXTRACTED FROM LEFT SHOULDER & PELLET EXTRACTED FROM EYE DURING NECROPSY)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	10	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISHING LINE COMING FROM MOUTH; MORTALITY (ANIMAL DIED IN REHAB; ANIMAL VOMITED FISH HOOK WITH ATTACHED LINE & SINKER FOUR DAYS AFTER ADMITTANCE & DIED THREE HOURS LATER; NECROPSY REVEALED 3 CENTIMETER FISH HOOK LODGED MIDWAY DOWN ESOPHAGUS WITH 37 CENTIMETERS OF ATTACHED LINE)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	10	SHOOTING	SAN MATEO	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED PELLETS IN LEFT THORAX; CAUSE OF DEATH = MALNUTRITION & VERMINOUS PNEUMONIA)	DEAD	P12	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	11	SHOOTING	MARIN	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; RADIOGRAPHS REVEALED PELLETS UNDER SKIN IN CHEST & IN RIGHT REAR FLIPPER; CAUSE OF DEATH = VERMINOUS PNEUMONIA & MALNUTRITION)	DEAD	P12	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	12	MARINE DEBRIS	MONTEREY	CA	SI	PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	8	12	SHOOTING	LOS ANGELES	CA	DEAD	GUNSHOT-LIKE WOUND TO ABDOMEN; REPORT RECEIVED VIA PRIVATE CITIZEN	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	14	HOOK AND LINE FISHERY	MONTEREY	CA	NSI	FISH HOOK IN LEFT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	8	14	SHOOTING	SAN MATEO	CA	DEAD	GUNSHOT WOUNDS TO HEAD (BULLET HOLES IN CRANIUM); CARCASS EXAMINED BY CAS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	14	SHOOTING	SANTA CRUZ	CA	SI	GUNSHOT WOUND TO UPPER PALATE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	8	15	GILLNET FISHERY	MONTEREY	CA	SI	GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	8	15	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISH HOOK WITH ATTACHED LINE IN LEFT EYEBROW, ANOTHER FISH HOOK IN BODY; NON-FATAL INJURY (FISHING GEAR REMOVED & ANIMAL RELEASED ON SITE)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	8	15	MARINE DEBRIS	MONTEREY	CA	NSI	OLD ENTANGLEMENT SCAR ON NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED ON SITE)	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	8	16	SHOOTING	SANTA CRUZ	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED BIRD SHOT IN THORAX AREA; CAUSE OF DEATH = MALNUTRITION & INFECTION FROM LEFT FRONT FLIPPER ABSCESS)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	18	HOOK AND LINE FISHERY	SAN MATEO	CA	SI	FISHING LINE COMING FROM MOUTH; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK IN STOMACH; CAUSE OF DEATH = UNKNOWN)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	19	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK WITH ATTACHED LINE IN RIGHT LOWER LIP; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & VERMINOUS PNEUMONIA)	DEAD	P5B	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	19	LIMITED ENTRY TRAWL BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	8	22	HOOK AND LINE FISHERY	MARIN	CA	SI	TREBLE HOOK WITH LINE ATTACHED IN MOUTH, FISHING LINE WRAPPED AROUND REAR FLIPPERS; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	8	23	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISHING LINE COMING FROM MOUTH; RADIOGRAPHS REVEALED FISH HOOK IN STOMACH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	SI	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	23	MARINE DEBRIS	SAN LUIS OBISPO	CA	NSI	OLD HEALING ENTANGLEMENT WOUND IN UPPER NECK AREA, NO GEAR ON ANIMAL, BULGE ABOVE WOUND; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = CARCINOMA)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	24	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2009	8	24	SHOOTING	LOS ANGELES	CA	SI	LEFT REAR LIMB PARALYSIS; MORTALITY (ANIMAL EUTHANIZED IN REHAB; RADIOGRAPHS REVEALED BULLET ADJACENT TO SPINE)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	25	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	26	SHOOTING	SANTA CRUZ	CA	SI	MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO LEFT FRONT FLIPPER ABSCESS; NECROPSY REVEALED PELLET IN LEFT SHOULDER)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	8	30	SHOOTING	SAN MATEO	CA	DEAD	GUNSHOT WOUNDS TO DORSAL HIND END & CHEST; BULLET HOLE IN RIB; LARGE AMOUNT OF BLOOD INSIDE THORACIC & ABDOMINAL CAVITIES; CARCASS EXAMINED BY CAS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	9	1	LIMITED ENTRY TRAWL BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	9	1	LIMITED ENTRY TRAWL BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	9	1	SHOOTING	SANTA CRUZ	CA	SI	RADIOGRAPHS REVEALED TWO PELLETS IN CHEST; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PERFORATED ULCER & PERITONITIS)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	9	5	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	BLUE GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	9	8	SHOOTING	SANTA CRUZ	CA	SI	GUNSHOT WOUND TO SPINE; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO LOWER BODY PARALYSIS RESULTING FROM GUNSHOT WOUND; SINGLE BULLET FRAGMENT EXTRACTED DURING NECROPSY)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	9	12	MARINE DEBRIS	MONTEREY	CA	SI	MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO CHRONIC DOMOIC ACID TOXICITY; NECROPSY REVEALED SINGLE PIECE OF BLACK PLASTIC IN STOMACH)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	9	18	SCIENTIFIC RESEARCH	SAN DIEGO	CA	NSI	ANIMAL CAUGHT IN NMFS SCIENTIFIC LONGLINE RESEARCH; ANIMAL HOOKED IN LIP; LINE CUT TWELVE INCHES ABOVE HOOK; ANIMAL RELEASED WITH TRAILING GEAR; CREW UNABLE TO REMOVE HOOK DUE TO ENERGY LEVEL OF ANIMAL; ANIMAL SWAM AWAY STRONGLY; FINAL STATUS UNKNOWN	NSI	P5B	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	9	20	SHOOTING	LOS ANGELES	CA	SI	RADIOGRAPHS REVEALED PELLETS IN SKULL & RIGHT FRONT FLIPPER; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = DROWNING)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	9	22	HOOK AND LINE FISHERY	MARIN	CA	SI	FISH HOOK IN MOUTH; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO INFECTION FROM FACE ABSCESS)	DEAD	P5A	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	9	22	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	9	22	SHOOTING	SANTA CRUZ	CA	SI	GUNSHOT WOUNDS TO LEFT EYE & HEAD; RADIOGRAPHS REVEALED PELLETS IN HEAD; NON-FATAL INJURY (ANIMAL TRANSFERRED TO CAPTIVE DISPLAY FACILITY)	CAPTIVITY	P9	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	9	29	MARINE DEBRIS	MARIN	CA	SI	MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO BLINDNESS; NECROPSY REVEALED PLASTIC BAG & FRACTURED RIB IN STOMACH)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	9	30	GILLNET FISHERY	MARIN	CA	DEAD	GILLNET FRAGMENT AROUND NECK; CARCASS EXAMINED BY CAS	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	10	2	HOOK AND LINE FISHERY	MONTEREY	CA	NSI	FISH HOOK WITH ATTACHED LINE IN LIP; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	10	2	HOOK AND LINE FISHERY	SAN LUIS OBISPO	CA	NSI	FISH HOOK WITH ATTACHED LINE IN LEFT AXILLARY REGION; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO DOMOIC ACID TOXICITY)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	10	4	SHOOTING	SAN LUIS OBISPO	CA	SI	GUNSHOT WOUND TO LEFT EYE, PELLET EXTRACTED; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = DOMOIC ACID TOXICITY)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	10	9	GILLNET FISHERY	ORANGE	CA	NSI	OLD GILLNET WOUND ON NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	10	10	BLUNT FORCE TRAUMA	LOS ANGELES	CA	SI	BILATERAL FRACTURE OF MANDIBLE; NECROTIC MANDIBLE BONE FRAGMENTS; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	10	10	GILLNET FISHERY	SAN DIEGO	CA	SI	GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	10	12	HOOK AND LINE FISHERY	SANTA CRUZ	CA	NSI	FISH HOOK IN CHIN; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	10	13	GILLNET FISHERY	SANTA BARBARA	CA	SI	OLD GILLNET SCAR ON NECK, NO GEAR ON ANIMAL; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = UNKNOWN)	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	10	14	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISH HOOK IN MOUTH; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO EMACIATED BODY CONDITION; NECROPSY REVEALED SINGLE BULLET LODGED BETWEEN SKIN & BODY WALL ON RIGHT SIDE OF BODY APPROXIMATELY 30 CENTIMETERS FROM CAUDAL END OF BASE OF FLIPPER & APPROXIMATELY 40 FISH HOOKS, 2 SWIVELS, 1 LEAD SINKER & BALL OF FISHING LINE IN STOMACH, INCLUDING 2 FISHING LURES, 4 ARTIFICIAL FLIES, 5 TREBLE HOOKS & NUMEROUS SINGLE HOOKS	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	10	19	MARINE DEBRIS	MENDOCINO	CA	SI	3-4 LAYERS OF DUCT TAPE AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	10	20	GILLNET FISHERY	SANTA BARBARA	CA	SI	GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	10	20	SHOOTING	MASON	WA	DEAD	BULLET IN HEAD	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	10	23	HOOK AND LINE FISHERY	SAN LUIS OBISPO	CA	NSI	ANIMAL FIRST SIGHTED ON 8-OCT IN MONTEREY HARBOR WITH FISH HOOK IN RIGHT REAR FLIPPER, CAPTURE ATTEMPT UNSUCCESSFUL; NON-FATAL INJURY; ANIMAL APPEARS TO HAVE LOST HOOK BETWEEN CAPTURE ATTEMPTS; ANIMAL TRANSFERRED TO LONG MARINE LABORATORY FOR PERMANENT INCORPORATION INTO THEIR LIVE ANIMAL COLLECTION	CAPTIVITY	P5C	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	10	24	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO REPEATED SEIZURES LINKED TO DOMOIC ACID TOXICITY)	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	10	24	ROPE	MARIN	CA	DEAD	15 INCH PIECE OF HEMP ROPE TIED AROUND MIDSECTION; APPEARS THAT ANIMAL WAS TOWED (ROPE TIED IN SLIP KNOT); UNKNOWN IF ANIMAL WAS ALIVE OR DEAD AT TIME OF TOWING; CARCASS EXAMINED BY CAS	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	10	24	SHOOTING	LOS ANGELES	CA	SI	GUNSHOT WOUNDS TO BACK BETWEEN SHOULDERS & NEAR LEFT FRONT FLIPPER; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO BLINDNESS & IMPAIRED HEARING FROM TRAUMA OF UNKNOWN ORIGIN; NECROPSY REVEALED PELLETS IN RIGHT FRONT FLIPPER & IN SKIN OF RIGHT CAUDAL ABDOMEN)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	10	26	HOOK AND LINE FISHERY	ORANGE	CA	SI	MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK IN ESOPHAGEAL WALL; CAUSE OF DEATH = SEVERE PNEUMONIA)	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	10	26	SHOOTING	MARIN	CA	SI	GUNSHOT WOUND TO RIGHT EYE, RADIOGRAPHS REVEALED SINGLE BULLET IN EYE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB, BULLET WAS NOT EXTRACTED)	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	10	28	GILLNET FISHERY	VENTURA	CA	SI	GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	10	30	LIMITED ENTRY TRAWL BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	10	31	SPRAY PAINTING	SAN LUIS OBISPO	CA	SI	ORANGE SPRAY PAINT ON RIGHT SIDE OF HEAD, RIGHT FLIPPER & RIGHT FLANK; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO DOMOIC ACID TOXICITY)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	11	1	LIMITED ENTRY TRAWL BOTTOM TRAWL	OFFSHORE	CA	NSI	MALE CA SEA LION RELEASED ALIVE. JUMPED OVERBOARD ON ITS OWN.	NSI	P4	NA	0	0
CALIFORNIA SEA LION	U.S.	2009	11	3	GILLNET FISHERY	MONTEREY	CA	SI	GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB; PRIMARY CAUSE OF DEATH = MALNUTRITION, SECONDARY CAUSE OF DEATH = ENTANGLEMENT)	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	11	4	GILLNET FISHERY	ORANGE	CA	SI	GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	11	5	ROPE	MARIN	CA	DEAD	PIECE OF HEMP ROPE TIED AROUND MIDSECTION; APPEARS THAT ANIMAL WAS TOWED (ROPE TIED IN SLIP KNOT); UNKNOWN IF ANIMAL WAS ALIVE OR DEAD AT TIME OF TOWING; CARCASS EXAMINED BY CAS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	11	7	HOOK AND LINE FISHERY	SAN FRANCISCO	CA	DEAD	FISH HOOKS IN LEFT FRONT FLIPPER & RIGHT HIND FLIPPER; MORTALITY (ANIMAL DIED ON SITE PRIOR TO ARRIVAL OF RESCUE TEAM; PARTIAL NECROPSY REVEALED GUNSHOT-LIKE HOLE IN RIB, NO BULLET OR PELLET WAS FOUND IN BODY CAVITY); CARCASS EXAMINED BY CAS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	11	10	SHOOTING	YOLO	CA	SI	GUNSHOT WOUNDS TO FACE & NOSE; RADIOGRAPHS REVEALED NUMEROUS PELLETS & LEAD FRAGMENTS IN HEAD BUT NONE ENTERING BRAIN CAVITY; NON-FATAL INJURY (ANIMAL TRANSFERRED TO CAPTIVE DISPLAY FACILITY)	CAPTIVITY	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	11	15	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	11	20	GILLNET FISHERY	SANTA BARBARA	CA	SI	GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2009	11	23	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	11	23	VESSEL STRIKE	DEL NORTE	CA	SI	SEVERE PROPELLER WOUNDS TO RIGHT FRONT FLIPPER & SHOULDER; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2009	12	4	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	12	5	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	12	6	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	12	9	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	1	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2009	12	10	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2009	12	11	HOOK AND LINE FISHERY	LOS ANGELES	CA	DEAD	FISH HOOKS IN ABDOMEN & LEFT AXILLARY REGION; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PRESUMED DROWNING FROM SEIZURE ACTIVITY LINKED TO DOMOIC ACID TOXICITY)	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	1	4	SHOOTING	KING	WA	DEAD	BULLET FRAGMENTS IN SKULL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	1	6	SHOOTING	PIERCE	WA	DEAD	BULLETS FOUND DURING NECROPSY	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	1	9	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	1	12	MARINE DEBRIS	LINCOLN	OR	SI	PACKING BAND OR MONOFILAMENT WRAPPED AROUND LOWER NECK	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	1	12	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	1	23	VESSEL STRIKE	SAN DIEGO	CA	SI	BOAT COLLISION, MULTIPLE LACERATIONS, BROKEN BONES, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P15	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	1	24	UNIDENTIFIED NET FISHERY	MONTEREY	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	1	27	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLE IN HEAD	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	2	7	SHOOTING	KING	WA	DEAD	BULLET FOUND DURING NECROPSY	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	2	8	GILLNET FISHERY	VENTURA	CA	SI	GILLNET ENTANGLEMENT, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2010	2	9	SHOOTING	KING	WA	DEAD	BULLET FOUND IN BRAIN CAVITY	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	2	10	SHOOTING	KING	WA	DEAD	BULLETS FOUND IN DORSAL MUSCLE	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	2	11	MARINE DEBRIS	ORANGE	CA	SI	RUBBER BAND AROUND NECK, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	2	13	SHOOTING	KING	WA	DEAD	BULLET FRAGMENTS FOUND IN MUSCLE	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	2	14	SHOOTING	KING	WA	DEAD	BULLETS FOUND IN BRAIN	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	2	14	UNIDENTIFIED NET FISHERY	LOS ANGELES	CA	SI	GILLNET-LIKE LACERATIONS AROUND CIRCUMFERENCE OF ANIMAL, DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	2	15	VESSEL STRIKE	DEL NORTE	CA	SI	PROPELLER WOUNDS ON ANIMAL, TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P15	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	2	18	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	2	22	SHOOTING	PIERCE	WA	DEAD	BULLETS CONFIRMED VIA RADIOGRAPH	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	2	23	SHOOTING	PIERCE	WA	DEAD	BULLET HOLE AND SHRAPNEL FOUND	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	3	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	3	8	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE AROUND NECK, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	3	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	3	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	3	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	3	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	3	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	3	12	SHOOTING	PIERCE	WA	DEAD	BULLET FRAGMENT IN BRAIN CAVITY	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2010	3	16	LIMITED ENTRY CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	ANIMAL STUCK IN CODEND, STILL ALIVE, DUMPED ON DECK, THEN WENT QUICKLY OFF STERN RAMP AND SWAM AWAY	NSI	P4	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	3	17	VESSEL STRIKE	SANTA BARBARA	CA	DEAD	VESSEL CREW FELT THE IMPACT OF THE SEA LION AND OBSERVED THE SINKING CARCASS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	3	24	SHOOTING	KING	WA	DEAD	SHRAPNEL FOUND ON RADIOGRAPH	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	3	25	GILLNET FISHERY	ORANGE	CA	SI	GILLNET AROUND HEAD THROUGH CORNERS OF MOUTH, ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	3	25	MARINE DEBRIS	LINCOLN	OR	SI	PACKING BAND ENTANGLEMENT AROUND NECK, CUTTING INTO BLUBBER AND MUSCLE; OBSERVED SEVERAL TIMES BETWEEN MAY AND JULY	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	3	25	SHOOTING	MONTEREY	CA	SI	BULLET TIP FOUND IN ABSCESS ON LEFT CHEEK. SMALL HOLE IN FOREHEAD. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	3	26	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	3	28	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISHING LINE IN MOUTH. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	3	29	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN BACK. ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	3	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	3	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	3	30	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	3	30	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	3	31	CAR COLLISION	SAN DIEGO	CA	SI	EYE WITNESS ACCOUNT, ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	3	31	GILLNET FISHERY	SANTA BARBARA	CA	SI	GILLNET AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2010	3	31	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	4	1	SHOOTING	SANTA CRUZ	CA	SI	MULTIPLE PELLETS IN SKULL, LEFT EYE. ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	4	3	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK. RIGHT REAR FLIPPER. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	4	3	MARINE DEBRIS	ORANGE	CA	SI	VOMITED UP PLASTIC MATERIAL, NO DETAILS ON FINAL OUTCOME	SI	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	4	3	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	4	6	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	4	7	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	4	8	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	4	8	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	4	8	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	4	9	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	4	9	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	FRESH DEAD, ENTERED SCREEN BAY	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	4	9	UNIDENTIFIED NET FISHERY	LOS ANGELES	CA	DEAD	ENTANGLEMENT WOUNDS AROUND CIRCUMFERENCE OF ANIMAL.	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2010	4	10	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOKS IN LOWER LIP AND LEFT FRONT FLIPPER. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	4	12	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	4	13	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK IN RIGHT FRONT FLIPPER. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	4	15	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	DETERRENCE USED. A SEA LION WAS FEEDING ON CATCH NEAR THE HAULING STATION. AS SOON AS THE CAPTAIN SAW IT, HE TOLD THE DECKHAND TO FIRE A GUN TO SCARE IT OFF. THE SEA LION HAD MOVED TO THE STERN AND THE DECKHAND FIRED TWO SHOTS NEAR IT AND IT LEFT.	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	4	17	GILLNET FISHERY	SAN DIEGO	CA	SI	GREEN NET ENTANGLED AROUND NECK WITH SEVERAL FEET OF NET TRAILING. ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	4	17	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN RIGHT SIDE OF MOUTH. ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	4	18	VESSEL STRIKE	KING	WA	SI	ANIMAL DIED DURING OVERNIGHT OBSERVATION. BLUNT FORCE TRAUMA, CRUSHED STERNUM	DEAD	P15	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	4	20	HOOK AND LINE FISHERY	LINCOLN	OR	SI	SILVER COLORED FISHING LURE STUCK IN MOUTH WITH LONG LEADER ATTACHED	SI	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	4	21	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN MOUTH. ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	4	21	MARINE DEBRIS	SAN DIEGO	CA	SI	PLASTIC PACKAGING STRAP, ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	4	23	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	4	23	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET FRAGMENT EMBEDDED IN NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2010	4	25	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	4	25	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	4	25	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	4	26	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	4	26	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	4	26	UNIDENTIFIED NET FISHERY	MONTEREY	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	4	28	MARINE DEBRIS	LOS ANGELES	CA	SI	ANIMAL DIED DURING TRANSPORTATION TO REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	1	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	SI	SEA-LION CAME UP HOOKED TO A GANGION AFTER ATTEMPTING TO EAT A BLACK COD - CREW CUT-OFF GANGION AND SEA-LION LETHARGICALLY SWAM AWAY WITH HOOK AND LEFTOVER BLACKCOD IN ITS MOUTH	SI	P5A	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	5	2	SHOOTING	PACIFIC	WA	DEAD	OBVIOUS BULLET HOLE IN ABDOMEN	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	4	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	5	4	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	5	MARINE DEBRIS	MONTEREY	CA	SI	LINE WRAPPED AROUND NECK.	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	6	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	6	HOOK AND LINE FISHERY	ORANGE	CA	NSI	FLY FISH HOOK RIGHT SIDE OF BODY, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	6	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	6	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2010	5	6	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	8	UNIDENTIFIED NET FISHERY	MONTEREY	CA	SI	FISHING LINE AROUND NECK AND LACERATIONS FROM ENTANGLEMENT. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	9	GILLNET FISHERY	MONTEREY	CA	SI	GREEN GILLNET AROUND NECK, CUTTING INTO SKIN 1 CM DEEP. ANIMAL DISENTANGLED, RELOCATED	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2010	5	10	HOOK AND LINE FISHERY	LINCOLN	OR	SI	OBSERVED SWIMMING WITH 12" ORANGE AND SILVER SALMON FLASHER HANGING FROM MOUTH	SI	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	10	SHOOTING	MONTEREY	CA	SI	BULLET FRAGMENT IN CHEST. ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	11	DOG ATTACK	SANTA BARBARA	CA	DEAD	NO DETAILS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	11	SHOOTING	SAN LUIS OBISPO	CA	SI	BULLET LODGED IN VERTEBRAL COLUMN. ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	12	UNIDENTIFIED NET FISHERY	MONTEREY	CA	SI	ANIMAL DISENTANGLED, RELOCATED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	12	UNIDENTIFIED NET FISHERY	MONTEREY	CA	SI	ANIMAL DISENTANGLED, RELOCATED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	14	HOOK AND LINE FISHERY	ORANGE	CA	SI	MULTIPLE FISH HOOKS ON BODY AND FLIPPERS. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	14	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISHING LINE AROUND NECK RESULTING IN DEEP LACERATION. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	14	MARINE DEBRIS	SAN MATEO	CA	SI	THICK BLACK RUBBER BAND AROUND NECK. ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	14	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	FRESH DEAD	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	15	HOOK AND LINE FISHERY	SAN LUIS OBISPO	CA	SI	FISHING LINE AROUND NECK, CUTTING INTO TISSUE. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	15	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI	GREEN MONOFILAMENT CUTTING INTO NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	15	UNIDENTIFIED NET FISHERY	MONTEREY	CA	SI	GREEN MONOFILAMENT NETTING WRAPPED AROUND NECK 2X AND THROUGH MOUTH. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	18	HOOK AND LINE FISHERY	ORANGE	CA	SI	8 FISHHOOKS ON BODY AND FLIPPERS. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	20	MARINE DEBRIS	LINCOLN	OR	SI	PLASTIC PACKING BAND HAD BEEN CUTTING INTO NECK; ANIMAL WAS HERDED WITH CROWDER BOARDS AND DISENTANGLED WITH KNIFE AT END OF POLE; BRIEFLY WENT TO WATER THEN RETURNED TO BEACH; WAS VERY THIN; REMAINED ON BEACH REST OF DAY. CATEGORIZED AS SERIOUS INJURY BECAUSE OF BODY CONDITION.	SI	P1	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	21	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	CA	DEAD	AT-SEA HAKE OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	5	21	UNIDENTIFIED NET FISHERY	SAN MATEO	CA	SI	MONOFILAMENT NET/LINE EMBEDDED IN NECK. ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	25	UNIDENTIFIED NET FISHERY	SANTA CRUZ	CA	SI	MONOFILAMENT NET/LINE AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	26	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	5	26	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	5	26	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK IN MOUTH, 3 FISH HOOKS IN ESOPHAGUS. ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	29	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	5	29	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2010	5	30	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOKS IN FRONT AND REAR FLIPPERS. LURE AND WEIGHT HANGING FROM MOUTH. ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	5	31	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN TONGUE WITH LINE ATTACHED, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	31	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISHING LINE, HOOK, AND WEIGHT IN MOUTH. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	5	31	SHOOTING	TILLAMOOK	OR	DEAD	BUCKSHOT PELLETS RECOVERED	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	6	2	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	6	2	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	6	2	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	6	2	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	6	4	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	6	5	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	6	6	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	HOOKS AND LINE WRAPPED AROUND REAR FLIPPERS. ANIMAL DISENTANGLED, RELEASED AT SITE	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	6	8	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN RIGHT SIDE OF MOUTH. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	6	8	MARINE DEBRIS	SAN DIEGO	CA	DEAD	ROPE AROUND NECK	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	6	9	SHOOTING	CLATSOP	OR	DEAD	BULLET FRAGMENT COLLECTED, SKULL BLOWN AWAY	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	6	9	UNIDENTIFIED NET FISHERY	MONTEREY	CA	SI	GREEN NET ENTANGLED AROUND NECK AND HEAD. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	6	10	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK IN MOUTH. ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	6	10	STAB WOUNDS	LOS ANGELES	CA	SI	ANIMAL EUTHANIZED IN REHAB. KNIFE LACERATION.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	6	11	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	6	11	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	6	12	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	6	12	SHOOTING	SAN DIEGO	CA	SI	XRAY, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	SI	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	6	12	SHOOTING	CLATSOP	OR	DEAD	HOLE IN ANIMAL, ASSOCIATED HEMORRHAGING	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	6	14	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISHING LINE, ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	6	15	HOOK AND LINE FISHERY	MONTEREY	CA	NSI	FISH HOOK IN UPPER CHEST. DISENTANGLED, RELEASED AT SITE	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	6	15	HOOK AND LINE FISHERY	MONTEREY	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	6	15	SHOOTING	PACIFIC	WA	DEAD	BULLET HOLE RIGHT SIDE OF NECK, FISH HOOK AND LINE IN MOUTH	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	6	18	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOKS ON LEFT SIDE OF FACE. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	6	18	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	6	19	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISH HOOK IN LEFT FLANK, RELEASED AT SITE	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	6	24	HOOK AND LINE FISHERY	LINCOLN	OR	SI	LARGE SALMON FLASHER REPORTEDLY HANGING FROM MOUTH	SI	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	6	25	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOKS. ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	6	26	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOKS IN FRONT AND REAR FLIPPERS.	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	6	28	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISHING LINE AROUND NECK AND IN MOUTH. ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	7	2	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	7	3	HOOK AND LINE FISHERY	CLATSOP	OR	SI	FISHING LURE ATTACHED TO HEAD, THROAT	SI	P5B	NA	0	1

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CALIFORNIA SEA LION	U.S.	2010	7	11	HOOK AND LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK IN MOUTH, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	7	12	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE GOING DOWN THROAT. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	7	16	VESSEL STRIKE	MONTEREY	CA	DEAD	EYE WITNESSES SAW BOAT HIT SEA LION	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	7	20	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN RIGHT UPPER LIP INSIDE MOUTH AND LOWER LEFT INSIDE MOUTH, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	7	21	BLUNT FORCE TRAUMA	LOS ANGELES	CA	SI	ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	7	25	HOOK AND LINE FISHERY	SANTA BARBARA	CA	NSI	HOOK IN LEFT HIND FLIPPER, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	8	4	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISHING LINE & HOOKS: RIGHT LOWER LIP, ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	8	5	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	ANIMAL DIED IN REHAB. CAUSE OF DEATH = FISH HOOK PERFORATION OF ESOPHAGUS.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	8	5	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISHING HOOK, LURE & LINE IN MOUTH. ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	8	20	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	8	20	SHOOTING	SONOMA	CA	DEAD	SHOT FOUND AT BASE OF SKULL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	8	25	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	8	30	SHOOTING	SAN DIEGO	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	9	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, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	9	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2010	9	9	SHOOTING	MONTEREY	CA	SI	GUNSHOT/PELLET IN MUSCLE AROUND SPINE. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	9	15	HARASSMENT	SAN FRANCISCO	CA	SI	APPROX. 8 INCH DART EMBEDDED IN FOREHEAD, NOT CAPTURED	SI	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	9	15	SHOOTING	SAN MATEO	CA	SI	ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	9	18	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	9	20	SHOOTING	PACIFIC	WA	DEAD	BULLET HOLE IN NECK	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	9	24	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	9	26	SHOOTING	SAN DIEGO	CA	SI	ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	9	29	SHOOTING	SAN DIEGO	CA	SI	BULLET FOUND IN MESENTERY; APPEARS TO BE A .22 GAUGE, ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	10	1	STAB WOUNDS	SAN DIEGO	CA	SI	WOUNDS FROM A FISHING GAFF INJURY. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED.	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	10	3	SHOOTING	MARIN	CA	SI	FOREIGN OBJECT VENTRAL TO C4-C5 VERTEBRAE ON RADIOGRAPHS, NOT REMOVED. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	10	5	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	10	6	MARINE DEBRIS	SAN MATEO	CA	SI	WIDE BLACK STIFF RUBBER BELT AROUND NECK. DISENTANGLED, ANIMAL RELEASED AT SITE	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	10	10	MARINE DEBRIS	HUMBOLDT	CA	SI	PLASTIC BAND 21.5 IN LONG AND 1/8 IN WIDE AROUND NECK. ANIMAL DIED IN REHAB.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	10	11	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	10	11	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	10	12	SHOOTING	CLATSOP	OR	SI	SMALL BULLET HOLES (POSSIBLY FROM A .22 GUN) WITH ASSOCIATED HEMORRHAGING ON RIGHT ABDOMEN; THORACIC AREA HEMORRHAGE.	SI	P12	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	10	12	SHOOTING	CLATSOP	OR	DEAD	SMALL BULLET HOLES IN ABDOMEN	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2010	10	12	UNIDENTIFIED NET FISHERY	LOS ANGELES	CA	SI	GILLNET PRESENT AROUND NECK AND MISCELLANEOUS MONOFILAMENT PRESENT ANIMAL DIED IN REHAB.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	10	14	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM, RELEASED AT SITE	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	10	24	LIMITED ENTRY TRAWL BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	10	26	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	ENTERED SCREEN BAY THROUGH INTAKE TUNNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	11	3	UNIDENTIFIED NET FISHERY	MONTEREY	CA	SI	GREEN MONOFILAMENT NETTING AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED.	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	11	5	SHOOTING	TILLAMOOK	OR	DEAD	BULLET WOUNDS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	11	6	SHOOTING	CLATSOP	OR	DEAD	BULLET WOUNDS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	11	11	SHOOTING	PACIFIC	WA	DEAD	BULLET WOUNDS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	11	16	LIMITED ENTRY TRAWL HOOK & LINE	OFFSHORE	CA	SI	HOOKED SEA LION BROUGHT UP CLOSE ENOUGH SO THE CAPTAIN COULD CUT THE GANGION AND RELEASE ANIMAL. ANIMAL STAYED AROUND THE BOAT FLOATING IN PLACE FOR A FEW SECONDS THEN DOVE DOWN UNDER WATER AGAIN. ONLY THE HOOK WAS LEFT IN THE SEA LIONS MOUTH.	SI	P5A	NA	1	1
CALIFORNIA SEA LION	U.S.	2010	11	19	SHOOTING	ORANGE	CA	SI	LINEAR LACERATION, LIKELY GAFF; 2 0.22 CALIBER BULLETS FOUND IN TISSUE, ONE BRASS AND ONE LEAD. ANIMAL EUTHANIZED IN REHAB.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	11	21	SHOOTING	MARIN	CA	DEAD	MULTIPLE PELLETS AND A LARGE CALIBER BULLET FRAGMENT WERE FOUND IN HEAD DURING NECROPSY.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	11	23	SHOOTING	CLATSOP	OR	DEAD	BULLET WOUNDS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	11	24	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	SI	SEVERE ENTANGLEMENT INJURY AROUND NECK; EVIDENCE OF OLD (HEALED) ENTANGLEMENT INJURY CAUSING SKULL DEFORMATION. ANIMAL DIED IN REHAB.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	11	24	UNIDENTIFIED NET FISHERY	VENTURA	CA	SI	GREEN MONOFILAMENT NETTING AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED.	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	11	25	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM, ANIMAL EUTHANIZED IN REHAB.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	11	26	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	FISHING HOOK IN LOWER RIGHT LIP. ANIMAL TAKEN TO REHAB, TREATED AND RELEASED.	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	11	26	SHOOTING	LOS ANGELES	CA	SI	PELLETS FROM BB GUN IN SUBCUTANEOUS TISSUE AND SUPERFICIAL MUSCLES OF THE LEFT SHOULDER; 3 SMALL PATCHES OF OIL ON RIGHT ABDOMEN; ANIMAL OBSERVED IN VICINITY OF OIL SPILL. ANIMAL TREATED IN REHAB AND RELEASED.	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	11	27	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM, RELEASED AT SITE	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2010	12	8	SHOOTING	MARIN	CA	SI	GUNSHOT - HEAD, LEFT SIDE OF FACE AND MUZZLE. ANIMAL TRANSFERRED TO CAPTIVE DISPLAY FACILITY	CAPTIVITY	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	12	23	MARINE DEBRIS	MARIN	CA	SI	NYLON LINE EMBEDDED IN LIP; SOURCE (FISHERY/DEBRIS?) UNKNOWN	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2010	12	29	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	SI	MONOFILAMENT LINE AROUND NECK. ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	2	12	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	LIVE SEA LION CAUGHT IN CODEND AND DUMPED OVERBOARD, NO APPARENT INJURIES.	NSI	P4	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	2	24	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	NSI	CA SEA LION (ONE OF THREE ANIMALS) WAS TEARING AT THE NET TRYING TO PULL OUT GILLED FISH. THE SKIPPER SHOT A COUPLE OF WARNING ROUNDS NEAR THE SEA LIONS WITH A .22 RIFLE AND THEY LEFT. THEY RETURNED LATER WHILE WATCH WAS BEINGS SORTED AND SWAM ALONGSIDE THE BOAT. THIS IS STANDARD--THERE IS OFTEN A GROUP OF THEM FOLLOWING THE BOAT, FEEDING ON DISCARDS.	NSI	P9	NA	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2011	2	24	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	NSI	CA SEA LION (ONE OF THREE ANIMALS) WAS TEARING AT THE NET TRYING TO PULL OUT GILLED FISH. THE SKIPPER SHOT A COUPLE OF WARNING ROUNDS NEAR THE SEA LIONS WITH A .22 RIFLE AND THEY LEFT. THEY RETURNED LATER WHILE WATCH WAS BEINGS SORTED AND SWAM ALONGSIDE THE BOAT. THIS IS STANDARD--THERE IS OFTEN A GROUP OF THEM FOLLOWING THE BOAT, FEEDING ON DISCARDS.	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	2	24	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	NSI	CA SEA LION (ONE OF THREE ANIMALS) WAS TEARING AT THE NET TRYING TO PULL OUT GILLED FISH. THE SKIPPER SHOT A COUPLE OF WARNING ROUNDS NEAR THE SEA LIONS WITH A .22 RIFLE AND THEY LEFT. THEY RETURNED LATER WHILE WATCH WAS BEINGS SORTED AND SWAM ALONGSIDE THE BOAT. THIS IS STANDARD--THERE IS OFTEN A GROUP OF THEM FOLLOWING THE BOAT, FEEDING ON DISCARDS.	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	2	24	MARINE DEBRIS	LINCOLN	OR	SI	PLASTIC BAND WRAPPED TIGHTLY AROUND NECK AND CUTTING DEEPLY INTO TISSUE; ANIMAL WENT BACK INTO WATER AFTER BEING APPROACHED CLOSELY BY PASSERS-BY	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	2	25	SEAL BOMB	LOS ANGELES	CA	SI	DISLOCATED LOWER JAW. ANIMAL TAKEN INTO REHABILITATION. FINAL STATUS UNKNOWN	SI	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	2	28	GILLNET FISHERY	SAN DIEGO	CA	SI	MONOFILAMENT GILLNET AROUND NECK, CONSTRICTING. ANIMAL LETHARGIC, TRANSFERRED TO REHABILITATION. FINAL STATUS UNKNOWN.	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	3	8	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	NSI	SEA LION WAS BROUGHT ON BOARD ALIVE IN THE NET WHILE HAULING BACK. CREW DUMPED THE BAG AND GOT OUT OF THE WAY AND THE SEA LION EXITED DOWN THE STERN RAMP UNHARMED.	NSI	P4	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	3	12	UNIDENTIFIED NET FISHERY	SANTA BARBARA	CA	SI	YELLOW 'POLY' FISHING NET AROUND NECK	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	3	13	GILLNET FISHERY	MONTEREY	CA	SI	MONOFILAMENT NETTING AROUND NECK	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	3	13	HOOK AND LINE FISHERY	MONTEREY	CA	SI	FISHING LINE AROUND NECK	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	3	17	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	3	21	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET EMBEDDED IN NECK, TRANSFERRED TO REHABILITATION CENTER. NO NOTES ON FINAL OUTCOME IN REHAB.	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	3	30	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM (ONE OF TWO ANIMALS THAT DIED IN HAUL)	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	3	30	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM (ONE OF TWO ANIMALS THAT DIED IN HAUL)	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	3	30	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	NSI	LIVE CALIFORNIA SEA LION DUMPED FROM NET. SPRAYED IT WITH DECK HOSES IN ORDER TO GET IT TO SAFELY EXIT TRAWL ALLEY. SEA LION EXITED BOAT VIA TRAWL ALLEY RAMP UNHARMED.	NSI	P4	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	4	1	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	DECKHAND FIRED ONE SHOT FROM A RIFLE NEAR THE SEA LION TO DETER IT FROM PREYING ON HOOKED FISH.	NSI	NA	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	4	3	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT ANIMAL WITH HOOK IN NOSTRIL. ANIMAL TAKEN INTO REHABILITATION FACILITY	SI	P5B	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	4	10	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL RELEASED FROM COOLING WATER SYSTEM	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	4	11	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	ANIMAL BECAME TRAPPED AND WAS HAULED ON BOARD. THE SEA LION LEFT THE BOAT ON ITS OWN AFTER IT WAS RELEASED.	NSI	P4	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	4	12	SHOOTING	PIERCE	WA	DEAD	BULLET WOUNDS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	4	15	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	NSI	CAUGHT IN NET, UPON RELEASE OF BAG, WENT STRAIGHT OVER STARBOARD RAIL.	NSI	P4	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	4	16	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	HUGE LURE IN MOUTH, BROKEN JAW.	SI	P5A, P10	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	4	17	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	THIN ANIMAL. FISHING LINE REMOVED FROM NECK	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	4	18	GILLNET FISHERY	SANTA BARBARA	CA	SI	GILLNET, ANIMAL TAKEN INTO REHAB, FINAL STATUS UNKNOWN	SI	P8A	NA	1	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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CALIFORNIA SEA LION	U.S.	2011	4	18	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	THIN ANIMAL. FISH HOOKS EMBEDDED UNDER LEFT EYE, RIGHT LIP, LEFT AND RIGHT FLIPPERS; GUMBALL ABSCESS LOWER LEFT MUZZLE	SI	P5B	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	4	20	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	4	21	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	4	21	CAR COLLISION	MONTEREY	CA	DEAD	HIT BY CAR	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	4	21	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	SAN ONOFRE	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	4	24	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	5	1	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS IN COOLING WATER SYSTEM OF POWER PLANT	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	5	2	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	NSI	LIVE ANIMAL RELEASED FROM COOLING WATER INTAKE	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	5	4	GILLNET FISHERY	LOS ANGELES	CA	SI	ENTANGLED IN GREEN GILL NET AROUND NECK; SEVERAL LACERATIONS THROUGH BLUBBER INTO MUSCLE LAYER. ANIMAL DIED DURING TRANSPORTATION TO REHAB.	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	5	6	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	NSI	ANIMAL BOARDED VESSEL. EARS, WHISKERS, DOG SNOUT, LARGE. ANIMAL EXITED VESSEL UNHARMED.	NSI	NA	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	5	8	MARINE DEBRIS	LINCOLN	OR	SI	PLASTIC PACKING BAND CUTTING INTO NECK	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	5	10	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	5	13	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM (ONE OF TWO ANIMALS THAT DIED IN HAUL)	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	5	13	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM (ONE OF TWO ANIMALS THAT DIED IN HAUL)	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	5	14	SHOOTING	ALAMEDA	CA	SI	RADIOGRAPHS DURING POST-MORTEM EXAMINATION SHOWED ~30 PELLETS OF DIFFERENT SIZES IN THE HEAD.	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	5	16	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	THIN ANIMAL WITH FISH HOOKS IN LEFT REAR FLIPPER, LEFT FRONT FLIPPER, AND RIGHT FRONT FLIPPER, ANIMAL TRANSFERRED TO REHABILITATION, FINAL STATUS UNKNOWN	SI	P1	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	5	18	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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2011	5	29	POWER PLANT ENTRAINMENT	SANTA CRUZ	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION. ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	5	31	GILLNET FISHERY	MONTEREY	CA	SI	ENTANGLED WITH FISHING NET ON FACE AND NECK, POSSIBLE CUT UNDER CHIN, MODERATELY UNDERWEIGHT. RELEASED AT PRNS ON 6/13/11. FOUND DEAD AT RODEO BEACH ON 7/6/11.	DEAD	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	5	31	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER INTAKE AREA	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	6	1	CATCH SHARES BOTTOM TRAWL	OFFSHORE	WA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	6	3	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER INTAKE AREA	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	6	7	GILLNET FISHERY	ORANGE	CA	SI	MALNUTRITION, GILLNET LACERATION AROUND NECK	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	6	10	HOOK AND LINE FISHERY	COOS	OR	SI	ORANGE/SILVER FLASHER WITH 1.5 FEET OF LINE ATTACHED TO MOUTH	SI	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	6	13	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER INTAKE AREA	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	6	13	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER INTAKE AREA	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	6	14	HOOK AND LINE FISHERY	SANTA BARBARA	CA	NSI	FISHING LURE IN BACK. ANIMAL SENT TO REHAB FACILITY	NSI	P5C	NA	0	0

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CALIFORNIA SEA LION	U.S.	2011	6	15	SHOOTING	SAN LUIS OBISPO	CA	SI	LETHARGIC, MODERATELY UNDERWEIGHT, MILDLY CONGESTED, ABRASION ON CHIN, UNRESPONSIVE TO CARS, BAD LOCATION - TRAFFIC HAZARD. RADIOGRAPHS SHOWED BUCKSHOT FRAGMENTS IN LEFT FRONT FLIPPER AND RIGHT REAR FLIPPER.	SI	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	6	17	MARINE DEBRIS	CLALLAM	WA	SI	SEA LION HAULED OUT WITH WHITE PLASTIC BAND OR FISHING LINE CUTTING INTO NECK. CUT WAS TOO DEEP TO DISCERN MATERIAL TYPE	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	6	17	SHOOTING	PACIFIC	WA	DEAD	HEAD BLOWN AWAY	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	6	20	MARINE DEBRIS	MARIN	CA	SI	MILDLY UNDERWEIGHT ANIMAL, DARK GREEN NYLON NET WRAPPED AROUND NECK AND HEAD, ENTANGLEMENT WAS LOOSE AND NOT CUTTING INTO THE SKIN OF THE ANIMAL. ALERT, ACTIVE, OPTED TO DISENTANGLE AND RELEASE AT SITE. ANIMAL INSTANTLY RETURNED TO OCEAN.	NSI	NA	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	6	21	SHOOTING	LOS ANGELES	CA	SI	ANIMAL DIED IN REHAB DUE TO GUNSHOT WOUND INJURIES	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	6	27	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	6	27	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET. ANIMAL TRANSFERRED TO REHABILITATION. FINAL STATUS UNKNOWN.	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	6	27	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	ANIMAL CAUGHT IN SCREEN BAY AT POWER PLANT	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	6	28	GILLNET FISHERY	LOS ANGELES	CA	SI	THIN ANIMAL WITH OLD GILLNET SCAR AROUND NECK; LACERATION ALONG JAWLINE BELOW LEFT EYE; PUNCTURE WOUNDS ON LEFT CHIN. ANIMAL TRANSFERRED TO REHAB, FINAL STATUS UNKNOWN.	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	6	28	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	6	29	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET AROUND NECK. ANIMAL SENT TO REHAB, FINAL STATUS UNKNOWN.	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	7	6	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	7	8	GILLNET FISHERY	SANTA CRUZ	CA	SI	PINK MONOFILAMENT ENTANGLEMENT AROUND NECK, SKIN BROKEN, 1 IN DEEP; MILDLY UNDERWEIGHT. ANIMAL TAKEN INTO REHAB, FINAL STATUS UNKNOWN.	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	7	9	MARINE DEBRIS	CLALLAM	WA	DEAD	CAN OF SPRAY AEROSOL FOUND IN THROAT OF SEA LION, BASED ON DEPTH IN THROAT AND CONDITION OF CAN SUSPECT HUMAN INTERACTION.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	7	14	GILLNET FISHERY	LOS ANGELES	CA	SI	GILL NET INJURY CIRCUMFERENTIAL 1-2 CM WIDE BY 1-2 CM DEEP DORSALLY; ACTIVE ONLY TO TOUCH; THIN ANIMAL. TAKEN TO REHAB FACILITY, FINAL STATUS UNKNOWN.	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	7	17	SHOOTING	GRAYS HARBOR	WA	DEAD	BULLET FRAGMENT FOUND ON RADIOGRAPH	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	7	20	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	SI	ANIMAL RELEASED ALIVE FROM GILLNET, NO TRAILING GEAR	NSI	P7B	NA	1	0
CALIFORNIA SEA LION	U.S.	2011	7	25	MARINE DEBRIS	VENTURA	CA	SI	ANIMAL DISENTANGLED FROM 'NETTING', TAKEN TO REHAB CENTER	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	7	28	TRAWL FISHERY (UNKNOWN)	CLALLAM	WA	DEAD	TRIBAL FISHERY	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	8	2	HOOK AND LINE FISHERY	LINCOLN	OR	SI	LARGE SILVER SALMON FLASHER STUCK TO MOUTH; ANIMAL APPEARS SOMEWHAT THIN, FLOATING GENERALLY MOTIONLESS AT SURFACE	SI	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	8	3	SHOOTING	LOS ANGELES	CA	SI	NECROPSY RESULTS FOUND MULTIPLE GUNSHOTS; REMOVED 2 BULLETS AND 1 PELLET.	DEAD	P12	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	8	8	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	8	9	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	8	16	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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.	2011	8	16	GILLNET FISHERY	VENTURA	CA	DEAD	ENTANGLED IN PINK MONOFILAMENT GILL NET AROUND NECK AND BODY.	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	8	16	SHOOTING	SANTA CRUZ	CA	SI	ON BEACH OVERNIGHT, GOOD BODY CONDITION, LETHARGIC. SMALL OOZING WOUND ON BACK. DIED IN REHAB. NECROPSY FINDINGS: TRAUMA. GUNSHOT. PNEUMONIA	DEAD	P12	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	8	17	MARINE DEBRIS	COOS	OR	SI	APPEARS TO HAVE SEVERAL WRAPS OF LIGHT COLORED MATERIAL AROUND NECK, CUTTING INTO FLESH, DEBRIS ENTANGLEMENT; REPORTED AS "TUNA CABLE", REPORTED AGAIN ON 8/20, SWIMMING UNDER DOCK	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	8	17	SHOOTING	LOS ANGELES	CA	SI	TEMPERATURE 99.0 F; FISH HOOK IN LEFT CHEEK; MULTIPLE PUNCTURE WOUNDS CONSISTENT WITH GUNSHOT; FIRM NODULE LEFT LATERAL/VENTRAL NECK. NO DETAILS GIVEN AS TO FINAL OUTCOME.	SI	P12	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	8	22	LIMITED ENTRY CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	8	22	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	8	27	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	9	1	SHOOTING	LOS ANGELES	CA	SI	GUNSHOT RIGHT SHOULDER; RESPIRATION LABORED AND INCREASED; ABDOMEN DISTENDED; NOT USING REAR FLIPPERS. FINAL OUTCOME UNKNOWN.	SI	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	9	4	SHOOTING	MONTEREY	CA	SI	LETHARGIC, PUNCTURE NEAR SPINE, MODERATELY UNDERWEIGHT. GUNSHOT ON DORSAL SIDE OF ANIMAL, BULLET FRAGMENTS WERE COLLECTED. ANIMAL WAS EUTHANIZED IN REHAB	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	9	6	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	ONE INDIVIDUAL ENTANGLED IN GEAR AND RELEASED ALIVE.	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	9	9	MARINE DEBRIS	DOUGLAS	OR	SI	INFECTED WOUND CAUSED BY IMBEDDED BAND AROUND LOWER PORTION ON NECK, LARGE FLAP OF FLESH HANGING FREE UNDER THE NECK (~1 FOOT LONG), IT APPEARS TO BE HAVING A DIFFICULT TIME LIFTING IT'S HEAD AND WALKING BUT IS VERY ACTIVE; WAS GONE NEXT DAY	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	9	9	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	A MALE CALIFORNIA SEA LION WAS ACCIDENTALLY CAPTURED AND DROWNED IN A SURFACE TRAWL FOR JUVENILE SALMON AS PART OF JUVENILE SALMON OCEAN SURVEY.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	9	11	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	GREEN MONOFILAMENT NETTING AROUND NECK, BLEEDING, EMACIATED	SI	P1 AND P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	9	12	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	CREW USED SEAL BOMBS TO DETER 8 SEA LIONS FROM DEPREDATING CATCH.	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	9	12	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	CREW USED SEAL BOMBS TO DETER 8 SEA LIONS FROM DEPREDATING CATCH.	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	9	12	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	CREW USED SEAL BOMBS TO DETER 8 SEA LIONS FROM DEPREDATING CATCH.	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	9	12	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	CREW USED SEAL BOMBS TO DETER 8 SEA LIONS FROM DEPREDATING CATCH.	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	9	12	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	CREW USED SEAL BOMBS TO DETER 8 SEA LIONS FROM DEPREDATING CATCH.	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	9	12	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	CREW USED SEAL BOMBS TO DETER 8 SEA LIONS FROM DEPREDATING CATCH.	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	9	12	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	CREW USED SEAL BOMBS TO DETER 8 SEA LIONS FROM DEPREDATING CATCH.	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	9	12	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	CREW USED SEAL BOMBS TO DETER 8 SEA LIONS FROM DEPREDATING CATCH.	NSI	P9	NA	0	0

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CALIFORNIA SEA LION	U.S.	2011	9	12	SCIENTIFIC RESEARCH	SOLANO	CA	NSI	SEA LION WAS ENTANGLED AT THE SURFACE OF A RESEARCH NET, TAKING CHINOOK SALMON FROM THE NET. AFTER BEING RELEASED, THE SEA LION WAS OBSERVED SWIMMING AROUND THE BOAT AND APPEARED UNHARMED	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	9	15	SCIENTIFIC RESEARCH	SOLANO	CA	NSI	A SEA LION BECAME ENTANGLED IN THE NET DURING A STURGEON TAGGING PROJECT. SEA LION WAS RELEASED FROM THE NET WHEN BROUGHT TO THE STERN OF THE BOAT WITHOUT HAVING TO CUT THE NET, THE NET WAS ONLY WRAPPED ONCE AROUND THE SEA LION. THE SEA LION IMMEDIATELY SWAM AWAY AND APPEARED TO BE IN GOOD CONDITION. THE SEA LION WAS OBSERVED TAKING CHINOOK SALMON FROM THE NET.	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	9	15	SCIENTIFIC RESEARCH	SOLANO	CA	NSI	SEA LION BECAME ENTANGLED IN THE NET AND WAS DISENTANGLED AFTER 5 MINUTES. HE WAS REMOVED FAIRLY EASILY WITHOUT HAVING TO CUT THE NET. THE SEA LION APPEARED TO BE IN GOOD CONDITION AND IMMEDIATELY SWAM AWAY AFTER BEING RELEASED. THE SEA LION WAS OBSERVED TAKING CHINOOK SALMON FROM THE NET.	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	9	15	SHOOTING	LOS ANGELES	CA	SI	BOTH EYES MISSING, THIN. METAL FRAGMENTS IN EYE SOCKET SUGGEST GUNSHOT TRAUMA.	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	9	17	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	9	18	SHOOTING	MONTEREY	CA	SI	LETHARGIC, WEAK, MODERATELY UNDERWEIGHT. RADIOGRAPHS SHOWED BULLET FRAGMENT IN DORSAL ASPECT OF LEFT FRONT FLIPPER, REMOVED DURING POST-MORTEM EXAMINATION	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	9	20	SCIENTIFIC RESEARCH	SOLANO	CA	DEAD	DROWNED IN SCIENTIFIC RESEARCH NET	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	9	21	MARINE DEBRIS	SONOMA	CA	SI	EMACIATED, LETHARGIC, SUSPECTED FORMER ENTANGLEMENT AROUND NECK; EUTHANIZED IN REHAB, LEPTOSPIROSIS, CHRONIC DOMOIC ACID	DEAD	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	9	25	CAR COLLISION	MONTEREY	CA	SI	HIT BY A CAR AROUND MIDNIGHT. HEAD TRAUMA, JAW INJURY, BLEEDING FROM MOUTH AND GURGLING. EUTHANIZED.	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	9	25	SHOOTING	LOS ANGELES	CA	SI	VERY THIN; WARM TO TOUCH; NOT MOVING FROM HIP REGION DOWN; BLEEDING FROM LEFT EAR; RIGHT EAR RED; MINOR ABRASIONS ON REAR FLIPPERS. NECROPSIED.	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	9	28	MARINE DEBRIS	CLATSOP	OR	DEAD	A COUPLE OF SUPERFICIAL ROPE-LIKE MARKS ON FOREFLIPPER AND VENTRAL ABDOMEN. ANIMAL WAS EMACIATED; MUSCLE SIGNIFICANTLY REDUCED.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	9	28	SHOOTING	LOS ANGELES	CA	SI	APPEARS TO BE BLIND IN RIGHT EYE; 4 SHOTS BETWEEN EYES, ONE CLOSE TO RIGHT EYE, TWO OVER NOSE, SCRAPE ON UNDERSIDE OF RIGHT FRONT FLIPPER TIP; RAW EDGE ON RIGHT REAR FLIPPER	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	10	1	SHOOTING	SAN MATEO	CA	SI	BULLET BEHIND LEFT EYE, UNALIGNED JAW, AND GOOD BODY CONDITION	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	10	4	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	10	4	SHOOTING	SAN LUIS OBISPO	CA	SI	LETHARGIC, GOOD BODY CONDITION, MULTIPLE SMALL ROUND WOUNDS ON FACE. RADIOGRAPHS SHOWED GUNSHOT TO THE HEAD, PELLET REMOVED FROM RIGHT SIDE OF FACE. TEMPORARILY HOUSED 11/3-23/11 AT LML FOR COGNITIVE ASSESSMENT. RADIOGRAPHS & MRI SHOWED GAS BUBBLES IN CEREBELLUM & CEREBRUM.	SI	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	10	7	CAR COLLISION	MONTEREY	CA	DEAD	MIDDLE OF ROAD, HIT BY CAR, DEAD WHEN RESCUE TEAM ARRIVED	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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CALIFORNIA SEA LION	U.S.	2011	10	7	GILLNET FISHERY	LOS ANGELES	CA	SI	EMACIATED; SEVERE CUT UNDER JAW FROM GILL NET; LEFT EYE INJURED; BREATHING THROUGH LACERATION	SI	P1	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	13	GILLNET FISHERY	SAN DIEGO	CA	SI	ACTIVE SUB-ADULT WITH FISHING NET DEEPLY CUTTING INTO NECK	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	14	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	10	14	VESSEL STRIKE	CLATSOP	OR	DEAD	VERTEBRA DISLOCATED WITH ASSOCIATED NECROSIS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	10	17	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	23	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	23	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	23	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	25	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	25	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	25	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	25	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	25	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	25	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	25	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	27	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	27	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	27	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	27	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	27	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	10	29	VESSEL STRIKE	CLATSOP	OR	DEAD	TREMENDOUS HEMORRHAGING	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	10	31	SHOOTING	SAN FRANCISCO	CA	SI	SEIZURES, GOOD BODY WEIGHT, GUNSHOT TO SPINE, EUTHANIZED. NECROPSY PERFORMED.	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	11	8	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	11	13	HOOK AND LINE FISHERY	MONTEREY	CA	SI	LOOSE FISHING LINE ENTANGLEMENT AROUND THE NECK NOT CUTTING INTO SKIN, LETHARGIC, COUGHING, MILDLY UNDERWEIGHT	SI	P1	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	11	14	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	FEMALE WAS ENTANGLED IN NET WHEN IT CAME ABOARD. ONCE SHE WAS FREE SHE JUMPED RIGHT BACK INTO THE OCEAN ON STARBOARD SIDE.	NSI	P4	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	11	15	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	OR	DEAD	AT-SEA HAKE OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	11	15	MARINE DEBRIS	CLATSOP	OR	DEAD	ROPE LIKE MARKS ON LEFT VENTRAL PELVIC REGION	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	11	17	SHOOTING	PACIFIC	WA	SI	ANIMAL THIN BUT ALERT WHEN FIRST OBSERVED ABSCESS ON DORSAL HINDQUARTERS (NEAR BULLET HOLE); EDEMA IN ABDOMINAL WALL; SCROTUM AND VENTRAL HIND LIMB AREA SWOLLEN; TUMORS BETWEEN KIDNEYS; LEFT KIDNEY HIGHLY COMPROMISED; PANCREAS-ASSOC. TUMORS ALSO PRESENT; LUNGS ABNORMAL	DEAD	P9	NA	0	1

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CALIFORNIA SEA LION	U.S.	2011	11	19	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	11	26	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	11	26	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	NA	0	0
CALIFORNIA SEA LION	U.S.	2011	12	5	MARINE DEBRIS	MONTEREY	CA	DEAD	OLD ENTANGLEMENT SCAR AROUND NECK. PINK SCAR ON FLIPPER. ANIMAL LEFT ON BEACH, FINAL OUTCOME UNKNOWN.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	12	17	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	12	18	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	12	18	SHOOTING	PIERCE	WA	DEAD	BULLET FOUND IN SKULL	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	12	19	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2011	12	19	VESSEL STRIKE	PACIFIC	WA	DEAD	PROPELLER MARKS	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2011	12	30	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	1	3	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT	DEAD	NA	NA	0	1
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	NA	NA	1	0
CALIFORNIA SEA LION	U.S.	2012	1	9	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	1	9	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	0	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	1	12	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	1	13	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	1	15	SHOOTING	MONTEREY	CA	SI	EUTHANIZED IN REHABILITATION FACILITY. NECROPSY PERFORMED	DEAD	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	1	17	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	1	17	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	1	17	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	1	17	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	1	18	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	1	18	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	1	19	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	1	19	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	22	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	1	23	SHOOTING	KING	WA	DEAD	TRACKING WOUND ENTERING INTO THORACIC CAVITY AND INTO LUNGS, FOUND BULLET IN LEFT LOBE OF LUNGS.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	1	25	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	THIN; FISHING LINE AND HOOKS IN MOUTH; FISHING LINE UNDER RIGHT REAR FLIPPER; MUCOUS MEMBRANES WHITE. TAKEN INTO REHAB, TREATED AND RELEASED. TAGGED WITH ORANGE ROTOTAG 26132.	NSI	P5A	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	1	28	SHOOTING	THURSTON	WA	DEAD	RADIOGRAPHS SHOWED TWO BULLETS IN SKULL, BOTH FOUND UPON INTERNAL EXAMINATION OF SKULLL. TWO TRACKING GUNSHOT WOUNDS FROM DORSAL SIDE OF HEAD AND NECK.	DEAD	NA	NA	0	1
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	NA	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	2	2	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	2	4	SHOOTING	CLATSOP	OR	DEAD	SMALL BULLET HOLE AT RIGHT ANTERIOR FLIPPER; HEAD GONE.	DEAD	NA	NA	0	1
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	NA	0	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	2	10	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	2	10	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	0	0
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; MUCOUS MEMBRANES PALE AND WHITE. TAGGED AND RELEASED WITH ORANGE ROTOTAG #26148 FOLLOWING TREATMENT AT REHAB FACILITY.	NSI	P5A	NA	0	0
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	NA	1	1
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	NA	0	1
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	NA	0	0
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	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	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	NA	0	1
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	NA	0	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	3	8	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	0	0
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	3	12	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	1	0
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	NA	0	0
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	NA	1	0
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	NA	0	0
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	NA	0	0
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	NA	0	0
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	NA	0	1
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	NA	0	0
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	NA	0	0
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	NA	0	0
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	NA	NA	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	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	NA	NA	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	4	7	SHOOTING	PACIFIC	WA	DEAD	BULLET ENTRANCE/EXIT HOLES IN HEAD.	DEAD	NA	NA	0	1
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	NA	NA	1
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	NA	NA	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	4	14	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	4	19	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
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	NA	0	0
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	NA	NA	1
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	NA	NA	1
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	NA	NA	1
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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2012	4	25	SHOOTING	PACIFIC	WA	DEAD	BULLET COLLECTED FROM STOMACH	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	4	29	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	NA	1
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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2012	4	30	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	5	4	SHOOTING	PACIFIC	WA	DEAD	SHOT IN HEAD (BULLET COLLECTED).	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	4	SHOOTING	PACIFIC	WA	DEAD	BULLET LODGED IN LEFT PARIETAL; SKULL COMPLETELY EXPOSED; MANDIBLES GONE.	DEAD	NA	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	0
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	NA	0	0
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	NA	0	0
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	NA	0	0
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	NA	0	0
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	NA	NA	1
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	NA	NA	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	5	21	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	5	28	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	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	NA	0	1
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	NA	0	0
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	NA	0	1
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	NA	1	0
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	NA	0	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	6	28	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	ENTANGLEMENT CUT INTO NECK OF EMACIATED ANIMAL. TAKEN TO REHAB FACILITY, TREATED AND RELEASED.	NSI	P8A	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	6	30	UNIDENTIFIED HUMAN INTERACTION	CLALLAM	WA	DEAD	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	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	7	1	HOOK AND LINE FISHERY	LOS ANGELES	CA	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.	DEAD	P2	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	7	5	MARINE DEBRIS	COOS	OR	SI	MARINE DEBRIS, LARGE BAND OF PLASTIC AROUND NECK. NO FURTHER DETAILS AVAILABLE.	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	7	9	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISH HOOKS IN FRONT FLIPPER, UNDERWEIGHT, DEHYDRATED, CAUSE OF DEATH= STARVATION; SEVERE PARASITIC INFESTATION. ANIMAL DIED IN REHAB CENTER.	DEAD	P5C	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	7	17	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	7	17	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	0	1

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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	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	7	22	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET, INTERNAL BLEEDING. ANIMAL DIED IN REHAB.	DEAD	P8A	NA	1	1
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	NA	1	0
CALIFORNIA SEA LION	U.S.	2012	7	25	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	7	29	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
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. ANIMAL TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P8A	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	7	31	HOOK AND LINE FISHERY	SANTA BARBARA	CA	SI	HOOKS IN MOUTH AND FLIPPERS. ANIMAL TREATED AND RELEASED FROM REHAB FACILITY WITH ROTOTAG #17927	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	7	31	VESSEL STRIKE	CLATSOP	OR	NSI	HEALING PROPELLER WOUND ON DORSAL MID-BACK. ROBUST ANIMAL VERY ACTIVE AND ALERT IN SURF, DEPARTED BEACH SAME DAY.	NSI	P15	NA	0	0
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	NA	1	0
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	NA	0	1
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	NA	0	0
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	NA	NA	1
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	NA	0	0
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	NA	0	1
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	NA	1	0
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	NA	0	1
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	NA	0	1

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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	NA	0	1
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	NA	1	1
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	NA	0	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	9	20	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL FOUND IN POWER PLANT INTAKE SYSTEM	DEAD	NA	NA	0	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	9	20	SHOOTING	PACIFIC	WA	DEAD	BULLET HOLES, TRACKS, AND ASSOCIATED HEMORRHAGE IN NECK AND BODY.	DEAD	NA	NA	0	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	9	29	SHOOTING	LOS ANGELES	CA	SI	MULTIPLE GUNSHOT WOUNDS RESULTING IN PARALYSIS. EUTHANIZED IN REHAB.	DEAD	P9	NA	0	1
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	NA	0	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	10	4	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	10	5	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	10	10	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	10	13	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	1	0
CALIFORNIA SEA LION	U.S.	2012	10	19	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1

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CALIFORNIA SEA LION	U.S.	2012	10	21	SHOOTING / 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	NA	1	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2012	11	3	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	11	4	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2012	11	4	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	0	0
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	NA	0	0
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	NA	0	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	12	11	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
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; ANIMAL HAD EXCELLENT BODY CONDITION.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2012	12	27	VESSEL STRIKE	CLATSOP	OR	DEAD	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	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	1	2	MARINE DEBRIS	TIP OF WEST JETTY	CA	SI	PLASTIC BAG AROUND NECK, WAS OFF WHEN WE ARRIVED ON SCENE. MALNUTRITION, HYPOGLYCEMIC.	SI	P8A, P7B	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	1	3	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	1	4	SHOOTING	CLATSOP	OR	DEAD	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.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	1	16	HOOK AND LINE FISHERY	ORANGE	CA	NSI	MALNUTRITION, HYPOGLYCEMIC UPON ADMISSION. FISH HOOKS IN LEFT REAR FLIPPER, RIGHT REAR FLIPPER,RIGHT UPPER LIP. TREATED AT REHAB FACILITY.	NSI	P5C	NA	0	0
CALIFORNIA SEA LION	U.S.	2013	1	19	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	NSI	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.	NSI	P4	NA	0	0

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CALIFORNIA SEA LION	U.S.	2013	1	26	SHOOTING	CLATSOP	OR	DEAD	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.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	1	28	MARINE DEBRIS	LOS ANGELES	CA	SI	PACKING STRAP (NO DETAILS GIVEN BUT THIS TYPE OF INJURY IS USUALLY CONSTRICTING).	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	2	6	CATCH SHARES BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2013	2	14	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	2	15	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	NA	0	0
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 EXITED VIA TRAWL RAMP AFTER NET WAS OPENED ON DECK, NO APPARENT INJURIES.	NSI	P4	NA	0	0
CALIFORNIA SEA LION	U.S.	2013	2	18	HOOK AND LINE FISHERY	BOATING LOADING DOCK	CA	NSI	EMACIATED, DEHYDRATED, HYPERTHERMIC, SEIZURING, FISH HOOK LEFT FRONT FLIPPER, SMALL WOUND ON CHIN AND NOSE	NSI	P5D	NA	0	0
CALIFORNIA SEA LION	U.S.	2013	2	20	SHOOTING	LOS ANGELES	WA	DEAD	THREE BULLETS RECOVERED FROM HEADLESS, DECOMPOSED ANIMAL.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	2	23	GILLNET FISHERY	SAN DIEGO	CA	SI	SEVERE WOUND AROUND NECK FROM GILL NET, OTHERWISE IN GOOD CONDITION. CONSTRICTING INJURY WITHOUT INTERVENTION.	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2013	2	23	HOOK AND LINE FISHERY	MONTEREY	CA	SI	WHITE FISHING LINE EMBEDDED AROUND NECK.	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	2	26	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	2	27	CAR COLLISION	LOS ANGELES	CA	DEAD	RECEIVED CALL FROM CIMWI VOLUNTEER WHO WORKS FOR CALTRANS. FOUND CSL APPARENTLY HIT BY VEHICLE ON PCH.	DEAD	NA	NA	0	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2013	3	1	HOOK AND LINE FISHERY	53RD STREET	CA	NSI	MALNUTRITION, DEHYDRATION FISHING LINE LOOSE AROUND NECK. NOT CLEAR IF ANIMAL CONDITION IS RELATED TO FISHING LINE.	NSI	P8B	NA	0	0
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	3	3	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
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	NA	0	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	3	13	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	0	1
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	NA	1	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	3	16	MARINE DEBRIS	LOS ANGELES	CA	DEAD	INGESTED GARBAGE.	DEAD	NA	NA	0	1

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CALIFORNIA SEA LION	U.S.	2013	3	16	MARINE DEBRIS	NA	CA	SI	PLASTIC BAG AROUND ANIMALS NECK, SMALL WOUNDS ON FLIPPERS.	SI	P8A	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	3	17	MARINE DEBRIS	ORANGE	OR	SI	SOMETHING TIGHTLY WRAPPED AROUND NECK, PLASTIC PACKING BAND?	SI	P8A	NA	0	1
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	NA	0	1
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	NA	0	0
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 MEDIALLY.	DEAD	NA	NA	0	1
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	NA	0	0
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	3	21	SHOOTING	LOS ANGELES	WA	SI	THIN ANIMAL; SHOTGUN PELLETS FOUND IN HEAD.	DEAD	P9	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	3	25	SHOOTING	CLATSOP	OR	DEAD	ANIMAL WAS THIN; BULLET/SHOTGUN PELLET FRAGMENTS IN JAW MUSCLE.	DEAD	NA	NA	0	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2013	3	26	MARINE DEBRIS	SAN DIEGO	CA	SI	MALNOURISHED ANIMAL CUT LOOSE FROM POSSIBLE FISHING LINE.	SI	P7B	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	3	26	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	3	27	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	EMBEDDED FISH HOOK REMOVED FROM ANIMAL.	NSI	P5C	NA	0	0
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	NA	0	1
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	NA	0	0
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	NA	0	0
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2013	4	1	HOOK AND LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT, FISH HOOK IN LIP.	SI	P1, P5B	NA	0	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	4	2	HOOK AND LINE FISHERY	NA	CA	NSI	FISH HOOKS REMOVED FROM LEFT REAR FLIPPER AND LEFT FRONT FLIPPER.	NSI	P5C	NA	0	0
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	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	4	5	GILLNET FISHERY	NA	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	NA	1	1

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CALIFORNIA SEA LION	U.S.	2013	4	5	HARASSMENT	ORANGE	CA	NSI	MALNOURISHED 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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	4	6	HOOK AND LINE FISHERY	NA	CA	SI	MALNUTRITION; FISH HOOK FELL OUT IN TRANSIT BUT STILL A HOLE IN LIP ON RIGHT SIDE.	SI	P1, P5C	NA	0	1
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	NA	0	0
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	NA	0	1
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	NA	0	0
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2013	4	8	CAR 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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
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, HEALTH FAILURE.	DEAD	NA	NA	NA	1
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, HEALTH FAILURE.	DEAD	NA	NA	NA	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	4	18	GILLNET FISHERY	LOS ANGELES	CA	SI	MALNUTRITION. GILL NET INJURY-CIRCUMFERENTIAL CUT AROUND NECK.	SI	P1	NA	1	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	4	21	HOOK AND LINE FISHERY	20TH STREET	CA	SI	EMACIATED, FISH HOOK REAR FLIPPER AND ABOVE EYE.	SI	P5B	NA	0	1
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	NA	0	0
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	NA	0	1
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	NA	0	0
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	NA	0	1

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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	NA	0	0
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	4	28	SHOOTING	VENTURA	CA	DEAD	POSITIVE METAL DETECTOR SCAN OF ABDOMINAL AREA.	DEAD	NA	NA	0	1
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	NA	0	0
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	NA	NA	1
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	NA	NA	1
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, HEALTH FAILURE.	DEAD	NA	NA	NA	1
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	NA	NA	1
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	NA	NA	1
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, HEALTH FAILURE.	DEAD	NA	NA	NA	1
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	NA	0	1
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	NA	0	0
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	NA	0	0
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	NA	0	0
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	NA	NA	1
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	NA	NA	1
CALIFORNIA SEA LION	U.S.	2013	5	9	GILLNET FISHERY	ORANGE	CA	SI	GILLNET WOUND AROUND NECK, UNDERWEIGHT.	SI	P1, P8A	NA	1	1
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	NA	0	1
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	NA	0	0

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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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	5	20	SHOOTING	SAN DIEGO	CA	SI	GUNSHOT WOUND THROUGH LEFT SIDE OF JAW.	SI	P9	NA	0	1
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	NA	0	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	5	24	MARINE DEBRIS	CLATSOP	OR	SI	MARINE DEBRIS WRAPPED AROUND NECK.	SI	P8A	NA	0	1
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	NA	0	1
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	NA	0	0
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	NA	0	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2013	5	31	HOOK AND LINE FISHERY	ORANGE	CA	SI	FISHING LINE WOUND AROUND NECK, UNDERWEIGHT.	SI	P1, P8A	NA	0	1
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	NA	0	0
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	NA	0	0
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	NA	0	1
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	NA	0	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2013	6	10	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET AROUND NECK.	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2013	6	27	UNIDENTIFIED NET FISHERY	SANTA BARBARA	CA	SI	MALNOURISHED 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	NA	0	0
CALIFORNIA SEA LION	U.S.	2013	6	27	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MONTEREY	CA	SI	CRAB POT (RUBBER BAND) ENTANGLEMENT AROUND NECK. SRO RESCUE.	NSI	P8A	NA	1	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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CALIFORNIA SEA LION	U.S.	2013	7	6	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET AROUND NECK.	SI	P8A	NA	1	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	7	13	UNIDENTIFIED NET FISHERY	SANTA BARBARA	CA	SI	MALNUTRITION, ENTANGLEMENT. TRANSFERRED FROM SBMMC.	NSI	P1, P7B	NA	0	0
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	NA	0	1
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	NA	0	1
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2013	7	31	SHOOTING	SAN DIEGO	CA	SI	APPARENT GUN SHOT ENTRY WOUND CONFIRMED WITH XRAY.	DEAD	P12	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	7	31	UNIDENTIFIED NET FISHERY	MONTEREY	CA	SI	MONOFILAMENT NET ENTANGLEMENT AROUND NECK, SRO RESCUE.	NSI	P7B	NA	0	0
CALIFORNIA SEA LION	U.S.	2013	8	14	SHOOTING	MONTEREY	CA	DEAD	KIDNEY AND BOWEL WERE PIERCED BY BULLET 6 TIMES.	DEAD	NA	NA	0	1
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	NA	1	1
CALIFORNIA SEA LION	U.S.	2013	8	19	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET AROUND NECK.	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2013	9	1	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLES; GOOD BODY CONDITION.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	9	5	SHOOTING	MONTEREY	CA	DEAD	MODERATELY UNDERWEIGHT, TRAUMA TO REAR FLIPPERS WITH BONE EXPOSED. PELLET SEEN IN BACK ON X-RAY.	DEAD	NA	NA	0	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	9	13	SHOOTING	CLATSOP	OR	DEAD	MASSIVE HEMORRHAGE, BULLET HOLES; OK BODY CONDITION.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	9	16	GILLNET FISHERY	ORANGE	CA	SI	UNDERWEIGHT, GILL NET WOUND AROUND NECK.	SI	P1, P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2013	9	16	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLES HEMORRHAGE; OK BODY CONDITION.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	9	19	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLES; OK BODY CONDITION.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	9	20	SHOOTING	CLATSOP	OR	DEAD	MASSIVE HEMORRHAGE AND BULLET HOLES BROKEN BONES; EXCELLENT BODY CONDITION.	DEAD	NA	NA	0	1
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	NA	0	1
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	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	10	1	GILLNET FISHERY	NA	CA	SI	SEVERE GILL NET ENTANGLEMENT; DEEP GILL NET LACERATION, CIRCUMFERENTIAL.	SI	P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2013	10	4	GILLNET FISHERY	NEWPORT	CA	SI	UNDERWEIGHT, GILL NET WOUND AROUND NECK.	SI	P1, P8A	NA	1	1
CALIFORNIA SEA LION	U.S.	2013	10	10	SHOOTING	NA	CA	SI	HYPOTHERMIC; THIN; PUNCTURE WOUNDS ON UPPER BACK SHOULDER AREA WITH PUS DRAINING; BULLET EMBEDDED IN TIGHT ELBOW JOINT; RESPIRATION SHALLOW.	SI	P9	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	10	11	SHOOTING	LOS ANGELES	CA	DEAD	RADIOGRAPH REVEALED GUNSHOT EVIDENCE.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	10	15	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	OR	DEAD	AT-SEA HAKE OBSERVER PROGRAM	DEAD	NA	NA	1	1

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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	NA	1	1
CALIFORNIA SEA LION	U.S.	2013	10	21	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	OR	DEAD	AT-SEA HAKE OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2013	10	31	SHOOTING	SANTA BARBARA	CA	DEAD	GUNSHOT CONFIRMED WITH X-RAYS.	DEAD	NA	NA	0	1
CALIFORNIA SEA LION	U.S.	2013	11	1	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	0	0
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	NA	0	0
CALIFORNIA SEA LION	U.S.	2013	11	27	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
CALIFORNIA SEA LION	U.S.	2013	11	28	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	0	1
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	NA	1	1
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	NA	0	1
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	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2009	4	9	UNIDENTIFIED NET FISHERY	SAN DIEGO	CA	DEAD	BRUISING ON VENTRUM; 0.5 CENTIMETER WIDE ROPE IMPRESSIONS ACROSS FLANK & CAUDAL PEDUNCLE; CARCASS EXAMINED BY SWFSC.	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2009	5	18	GILLNET FISHERY	SAN DIEGO	CA	DEAD	TAIL STOCK CUT OFF; CARCASS EXAMINED BY SWFSC.	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2009	5	25	GILLNET FISHERY	VENTURA	CA	DEAD	FLUKES MISSING; GAFF-LIKE MARKS ON VENTRUM; CARCASS EXAMINED BY SBMNH.	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2009	6	3	GILLNET FISHERY	SAN DIEGO	CA	DEAD	23 CENTIMETER LONG INCISION AT STERNUM PENETRATING RIB CAGE; NUMEROUS NET-LIKE LINEAR IMPRESSIONS ON LEADING EDGE OF DORSAL FIN, PECTORAL FINS, FLUKES & ACROSS CAUDAL PEDUNCLE; CARCASS EXAMINED BY SWFSC.	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2009	12	27	HOOK AND LINE FISHERY	ORANGE	CA	DEAD	FISH HOOK WITH ATTACHED LINE WRAPPED AROUND ROSTRUM; CARCASS EXAMINED BY PACIFIC MARINE MAMMAL CENTER.	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2010	1	18	GILLNET FISHERY	LOS ANGELES	CA	DEAD	FLUKES CUT OFF	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2010	1	20	GILLNET FISHERY	LOS ANGELES	CA	DEAD	MISSING FLUKE, CUT OFF	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2010	2	18	GILLNET FISHERY	LOS ANGELES	CA	DEAD	10 EVENLY-SPACED DIAGONAL SCARS ON LEFT SIDE, CUTTING SLIGHTLY INTO BLUBBER	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2010	2	19	GILLNET FISHERY	LOS ANGELES	CA	DEAD	FLUKE MISSING	DEAD	NA	NA	1	1

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COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2010	4	16	GILLNET FISHERY	SAN DIEGO	CA	DEAD	TAIL STOCK CUT OFF	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2010	6	21	GILLNET FISHERY	VENTURA	CA	DEAD	PEDUNCLE CLEANLY CUT	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2010	7	17	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	SEVERAL KNIFE SLASHES ON BODY	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2010	7	19	GILLNET FISHERY	SAN DIEGO	CA	DEAD	CROSS-HATCH INDENTATIONS ALONG RIGHT AND LEFT LATERAL ASPECTS OF BODY. LINE INDENTATIONS ALONG THE DORSAL FIN. BROKEN TEETH IN THE JAW.	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2010	9	5	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2010	11	19	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	1	11	GILLNET FISHERY	SAN DIEGO	CA	DEAD	NET AND ROPE IMPRESSIONS AROUND HEAD, JAWS, AND PEDUNCLE.	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	3	4	UNDERWATER DETONATION EXERCISES	SAN DIEGO	CA	DEAD	SEE DANIL AND ST LEGER 2011	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	3	4	UNDERWATER DETONATION EXERCISES	SAN DIEGO	CA	DEAD	SEE DANIL AND ST LEGER 2011	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	3	4	UNDERWATER DETONATION EXERCISES	SAN DIEGO	CA	DEAD	SEE DANIL AND ST LEGER 2011	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	3	7	UNDERWATER DETONATION EXERCISES	SAN DIEGO	CA	DEAD	SEE DANIL AND ST LEGER 2011	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	4	10	MARINE DEBRIS	SAN DIEGO	CA	DEAD	CHEETOS BAG LODGED IN ESOPHAGUS	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	5	12	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	ORANGE	CA	DEAD	ENTANGLED IN 8.5 INCH MESH NET	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	6	11	GILLNET FISHERY	VENTURA	CA	DEAD	FLUKES WERE CLEANLY CUT OFF. CUT ON TAIL END APPEARS TO BE FROM NETTING (ENTANGLEMENT).	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	7	8	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	FRESH DEAD, GAFF MARK IN CORNER OF MOUTH	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	7	14	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	CUT HALF WAY THROUGH DORSAL FIN	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	7	23	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	RED ROPE TIED AROUND BASE OF FLUKE	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	9	1	GILLNET FISHERY	SAN DIEGO	CA	DEAD	MIRROR IMAGE LACERATIONS ON BOTH SIDES ON CAUDAL PEDUNCLE INDICATE ENTANGLEMENT	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	9	9	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	PUNCTURES & GOUGES ON HEAD, RED BLUBBER/MISSING SKIN ON SIDES OF PEDUNCLE, CLEAN CUT ACROSS PEDUNCLE ANTERIOR TO FLUKES	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	9	17	GILLNET FISHERY	VENTURA	CA	DEAD	FLUKES CLEANLY CUT OFF	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	9	28	GILLNET FISHERY	VENTURA	CA	DEAD	FLUKES CLEANLY CUT OFF	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2011	11	4	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2012	4	6	HOOK AND LINE FISHERY	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	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2012	7	30	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	LINE MARKS AROUND ROSTRUM/MOUTH	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2012	8	9	HOOK AND LINE FISHERY	VENTURA	CA	DEAD	FISHING LINE AROUND FLUKES	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2012	8	10	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	LINE WRAPPED AROUND PEDUNCLE AND TAIL	DEAD	NA	NA	0	1
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	NA	0	1

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COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2012	12	17	GILLNET FISHERY	SAN DIEGO	CA	DEAD	SEVERED FLUKES.	DEAD	NA	NA	1	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	2	15	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	DEAD	ANIMAL ENTANGLED IN MONOFILAMENT LINE.	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	3	3	UNIDENTIFIED HUMAN INTERACTION	LOS ANGELES	CA	DEAD	ANIMAL CUT IN HALF.	DEAD	NA	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	3	13	GILLNET FISHERY	VENTURA	CA	DEAD	LEFT FLUKE CLEANLY CUT OFF.	DEAD	NA	NA	1	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
COMMON DOLPHIN, LONG-BEAKED	CALIFORNIA	2013	5	10	GILLNET FISHERY	0.5 MI N OF PIER	CA	DEAD	FLUKE CUT OFF, NET MARKS ON ANIMAL.	DEAD	NA	NA	1	1
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	NA	1	1
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	NA	1	1
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	NA	0	1
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	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2013	11	6	CA SWORDFISH DRIFT GILLNET FISHERY	SOUTHERN CA OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2013	11	8	CA SWORDFISH DRIFT GILLNET FISHERY	SOUTHERN CA OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2013	11	21	CA SWORDFISH DRIFT GILLNET FISHERY	SOUTHERN CA OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2013	11	24	CA SWORDFISH DRIFT GILLNET FISHERY	SOUTHERN CA OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2013	11	27	CA SWORDFISH DRIFT GILLNET FISHERY	SOUTHERN CA OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2013	12	10	CA SWORDFISH DRIFT GILLNET FISHERY	SOUTHERN CA OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	2009	12	4	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2009	12	17	GILLNET FISHERY	SAN DIEGO	CA	DEAD	HALF OF RIGHT PECTORAL FIN CUT OFF; DORSAL FIN MISSING; PENETRATING WOUND ON LEFT SIDE OF BODY BELOW DORSAL FIN; PREY IN STOMACH; CARCASS EXAMINED BY SWFSC	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2010	9	18	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2010	9	18	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2010	12	5	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2011	10	14	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2011	12	4	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2012	1	17	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2012	1	17	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2012	11	5	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2012	11	6	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
COMMON DOLPHIN, SHORT-BEAKED	CA/OR/WA	2012	11	6	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
FIN WHALE	CA/OR/WA	2009	1	13	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	SI (PRORATE)	FREE-SWIMMING ANIMAL TOWING UNIDENTIFIED FISHING GEAR; REPORT RECEIVED VIA CALIFORNIA LARGE WHALE DISENTANGLEMENT NETWORK MEMBER; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN	SI (PRORATE)	L10	0.75	0	1
FIN WHALE	CA/OR/WA	2009	2	2	VESSEL STRIKE	SAN DIEGO	CA	DEAD	U.S. NAVY VESSEL COLLIDED WITH FREE-SWIMMING ANIMAL; MORTALITY (ANIMAL DIED UPON IMPACT, FLOATING AT SURFACE, BLOOD OBSERVED IN WATER; CARCASS RESIGHTED ON 14-FEB FLOATING SOUTH OF LA JOLLA COVE APPROXIMATELY 1 MILE OFFSHORE; CARCASS TOWED TO FIESTA ISLAND FOR DISPOSAL; FOUR FOOT LONG GASH RUNNING FROM MID-DORSAL TO LEFT LATERAL SURFACE, EXTENDING INTO BLUBBER; CARCASS EXAMINED BY SWFSC).	DEAD	NA	NA	0	1
FIN WHALE	CA/OR/WA	2009	4	10	VESSEL STRIKE	LOS ANGELES	CA	DEAD	CARCASS BROUGHT INTO HARBOR ON BOW OF FREIGHTER; FIELD NECROPSY REVEALED SIGNIFICANT BRUISING & BLOOD LOSS IN AREA DORSAL OF LEFT PECTORAL FLIPPER & SMALL BONE FRAGMENTS FROM SHATTERED SCAPULA; CARCASS EXAMINED BY LACMNH.	DEAD	NA	NA	0	1
FIN WHALE	CA/OR/WA	2009	5	6	VESSEL STRIKE	SAN DIEGO	CA	SI	U.S. NAVY VESSEL COLLIDED WITH FREE-SWIMMING ANIMAL; BLOOD & FLESH OBSERVED IN WATER; SPECIES I.D. DETERMINED THROUGH GENETIC ANALYSIS OF SKIN TISSUE BY SWFSC; PRESUMED MORTALITY. VESSEL SIZE = 567 FT. VESSEL SPEED = 16 KTS.	SI	L6A	1	0	1
FIN WHALE	CA/OR/WA	2009	6	8	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI	FREE-SWIMMING ANIMAL TOWING 300 FEET OF POLYPROPYLENE LINE AND LIGHT-COLORED BUOY FROM CAUDAL PEDUNCLE; REPORT RECEIVED VIA U.S. NAVY ON SCENE; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN; MAY BE A RESIGHT OF ANIMAL FROM 13-JAN BUT NO WAY TO CONFIRM. ASSIGNED AS L2 BECAUSE OF LENGTH OF GEAR TRAILING ANIMAL, IMPLIES GREAT DRAG.	SI	L2	1	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	2009	8	7	VESSEL STRIKE	PIERCE	WA	DEAD	BROUGHT IN ON THE BOW OF THE CONTAINER SHIP INTO THE PORT OF TACOMA BLAIR WATERWAY. TOWED TO MCNEIL ISLAND FOR NECROPSY BY WDFW AND CRC ON 8/8/09.	DEAD	NA	NA	0	1
FIN WHALE	CA/OR/WA	2010	9	16	VESSEL STRIKE	ALAMEDA	CA	DEAD	ANIMAL BROUGHT INTO PORT OF OAKLAND IMPINGED ON BOW OF SHIP	DEAD	NA	NA	0	1
FIN WHALE	CA/OR/WA	2010	9	20	VESSEL STRIKE	SAN FRANCISCO	CA	DEAD	BROKEN VERTEBRAE, LINEAR LACERATION	DEAD	NA	NA	0	1
FIN WHALE	CA/OR/WA	2011	7	31	UNIDENTIFIED FISHERY INTERACTION	MARIN	CA	SI	ORANGE/REDDISH LINE WRAPPED IN SEVERAL LAYERS BEHIND THE BLOWHOLE THAT HAD CUT DEEP INTO THE FLESH. ENTANGLEMENT LOOKED VERY TIGHT, WRAPPED LINE ABOUT 20 MM THICK WITH MANY TURNS. IT LOOKED LIKE THE WRAP IN TOTAL WAS A 200 MM THICK BUNDLE OF LINE. NO RESIGHTS, NO RELEASE, FINAL OUTCOME UNKNOWN.	SI	L2	1	0	1
FIN WHALE	CA/OR/WA	2011	11	19	VESSEL STRIKE	SAN DIEGO	CA	DEAD	FRACTURES ALONG 4 METER LENGTH OF VERTEBRAL COLUMN AND SIGNIFICANT MUSCLE HEMORRHAGE SURROUNDING THIS AREA INDICATE ANTE-MORTEM SHIP STRIKE. CARCASS SUNK 5 MILES OFF LA JOLLA AS PART OF WHALE FALL STUDY.	DEAD	NA	NA	0	1
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	NA	NA	0	1
FIN WHALE	CA/OR/WA	2012	12	3	VESSEL STRIKE	LOS ANGELES	CA	DEAD	NECROPSY SUMMARY DIAGNOSIS: THE ANIMAL APPEARS TO HAVE SUCCUMBED 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	NA	NA	0	1
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	NA	NA	0	1
FIN WHALE	CA/OR/WA	2013	4	13	VESSEL STRIKE	KING	WA	DEAD	EXAMINATION REVEALED THAT THE WHALE HAD BEEN 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 EVISCERATED CONDITION OF THE CARCASS. (CASCADIA RESEARCH TEXT).	DEAD	NA	NA	0	1
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	NA	NA	0	1
GRAY WHALE	EASTERN N PACIFIC	2009	1	31	LOBSTER TRAP ENTANGLEMENT	SAN DIEGO	CA	SI (PRORATE)	FREE-SWIMMING ANIMAL TOWING UNIDENTIFIED POT/TRAP GEAR; USCG REPORTED GEAR AS 4 LOBSTER POTS; FINAL STATUS UNKNOWN.	SI (PRORATE)	L10	0.75	1	1
GRAY WHALE	EASTERN N PACIFIC	2009	3	25	GILLNET FISHERY	ORANGE	CA	SI (PRORATE)	FREE-SWIMMING ANIMAL WITH PINK GILLNET WRAPPED AROUND HEAD, TRAILING 4 FEET OF VISIBLE NETTING; REPORT RECEIVED VIA NATURALIST ON LOCAL WHALEWATCH VESSEL; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN.	SI (PRORATE)	L10	0.75	1	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	2009	4	4	VESSEL STRIKE	PACIFIC	WA	DEAD	NECROPSIED, BROKEN BONES IN SKULL; EXTENSIVE HEMORRHAGE HEAD AND THORAX.	DEAD	NA	NA	0	1
GRAY WHALE	EASTERN N PACIFIC	2009	4	5	VESSEL STRIKE	ORANGE	CA	DEAD	3 DEEP PROPELLER-LIKE CUTS ON RIGHT SIDE, JUST ANTERIOR OF GENITAL OPENING; CARCASS TOWED OUT TO SEA ON 6-APR, RESTRANDED AT 29TH STREET IN DEL MAR ON 10-APR; CARCASS TOWED OUT & RESTRANDED AT TORREY PINES STATE BEACH ON 12-APR; CARCASS EXAMINED BY LACMNH & SWFSC.	DEAD	NA	NA	0	1
GRAY WHALE	EASTERN N PACIFIC	2009	4	9	MARINE DEBRIS	SITKA	AK	SI	THICK BLACK LINE WRAPPED TWICE AROUND WHALE'S BODY POSTERIOR TO THE EYES. CITIZEN CUT AND PULLED AWAY THE LINES. ANIMAL SWAM AWAY AND DOVE.	SI	L10	0.75	0	1
GRAY WHALE	EASTERN N PACIFIC	2009	4	27	VESSEL STRIKE	ISLAND	WA	DEAD	LARGE AMOUNT OF BLOOD IN BODY CAVITY, BRUISING IN SOME AREAS OF BLUBBER LAYER AND IN SOME INTERNAL ORGANS. FINDINGS SUGGESTIVE OF BLUNT FORCE TRAUMA LIKELY CAUSED BY COLLISION WITH A LARGE SHIP.	DEAD	NA	NA	0	1
GRAY WHALE	EASTERN N PACIFIC	2009	5	1	VESSEL STRIKE	LOS ANGELES	CA	SI	CATALINA ISLAND TRANSPORT VESSEL COLLIDED WITH FREE-SWIMMING CALF ACCOMPANIED BY ADULT; CALF WAS SUBMERGED AT TIME OF COLLISION; PIECES OF FLESH & BLOOD OBSERVED IN WATER; CALF NEVER SURFACED; PRESUMED MORTALITY. VESSEL SIZE = 85 FT. SPEED = 27 KTS.	SI	L6A	1	0	1
GRAY WHALE	EASTERN N PACIFIC/PCFG	2009	6	24	GILLNET FISHERY	CLALLAM	WA	SI	WHALE CAUGHT IN THE BAG SECTION OF A TRIBAL SET GILLNET. WHALE ENCOUNTERED IN MORNING, UNKNOWN ENTANGLEMENT DURATION. NET HAD BEEN SET 8PM PREVIOUS DAY. WHALE WAS ABLE TO BREATH, BUT COULD NOT FREELY SWIM AND WAS STATIONARY WITHIN NET. RIGHT PECTORAL FIN AND HEAD WERE WELL WRAPPED IN NET WEBBING. WHALE REACTED VIOLENTLY AND SWAM AWAY IN RESPONSE TO A DISENTANGLEMENT ATTEMPT. NET WAS RETRIEVED AND FOUND TO BE TORN IN TWO. NO CONFIRMATION THAT WHALE WAS COMPLETELY FREE OF NETTING. WHALE LAST SEEN AT 1030 AM. PRORATE L10 SERIOUS INJURY BECAUSE OF POSSIBLE EXISTING ENTANGLEMENT.	SI (PRORATE)	L10	0.75	1	1
GRAY WHALE	EASTERN N PACIFIC/PCFG	2009	7	21	GILLNET FISHERY	HUMBOLDT	CA	SI	FREE-SWIMMING ANIMAL WITH GREEN GILLNET, ROPE & SMALL BLACK FLOATS WRAPPED AROUND CAUDAL PEDUNCLE. PHOTOS SHOW ROPE CUTTING INTO CAUDAL PEDUNCLE. REPORT RECEIVED VIA HSU RESEARCHER ON SCENE DURING RESEARCH CRUISE; ANIMAL RESIGHTED ON 3 AUG; NO RESCUE EFFORT INITIATED; WHALE IDENTIFIED BY J. CALAMBOKIDIS AS PCFG GRAY WHALE, RESIGHTED IN 2010 AND 2011, STILL ENTANGLED. WHALE WAS RESIGHTED IN 2013 AND HAD SHED GEAR, APPARENTLY IN GOOD HEALTH (JEFF JACOBSEN, PERS. COMM.).	NSI	L2	NA	1	0
GRAY WHALE	EASTERN N PACIFIC/PCFG	2009	9	9	VESSEL STRIKE	CLALLAM	WA	SI (PRORATE)	USCG VESSEL TRAVELING AT 10 KNOTS WHEN THEY HIT A GRAY WHALE ON 9/9/2009. THE ANIMAL WAS HIT WITH THE PROP AND WAS REPORTED ALIVE AFTER BEING HIT, BLOOD OBSERVED IN WATER.	SI (PRORATE)	L11	0.52	0	1
GRAY WHALE	EASTERN N PACIFIC	2010	2	1	HARPOON	HUMBOLDT	CA	DEAD	40 CENTIMETER LONG HARPOON & 8 CENTIMETER LONG BROKEN TOGGLE HEAD FROM 2ND HARPOON EMBEDDED IN LEFT LATERAL/DORSAL SIDE JUST BELOW DORSAL HUMP, HARPOON ATTACHED TO 10 METERS OF ROPE.	DEAD	NA	NA	0	1
GRAY WHALE	EASTERN N PACIFIC	2010	2	16	VESSEL STRIKE	SAN DIEGO	CA	SI (PRORATE)	FREE-SWIMMING ANIMAL WITH PROPELLER-LIKE WOUNDS TO DORSUM.	SI (PRORATE)	L11	0.52	0	1
GRAY WHALE	EASTERN N PACIFIC	2010	3	5	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI	TOWING ORANGE/WHITE BUOY; AMOUNT OF ASSOCIATED GEAR UNKNOWN. UNIDENTIFIED FISHERY. NO RESCUE EFFORT INITIATED; NO RESIGHTINGS REPORTED; FINAL STATUS UNKNOWN.	SI	L10	0.75	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	2010	3	12	VESSEL STRIKE	SANTA BARBARA	CA	SI	21 METER SAILBOAT UNDERWAY AT 13 KTS COLLIDED WITH FREE-SWIMMING ANIMAL; WHALE BREACHED SHORTLY AFTER COLLISION; NO BLOOD OBSERVED IN WATER; MINOR DAMAGE TO LOWER PORTION OF BOAT'S KEEL; FINAL STATUS UNKNOWN.	SI	L6A	1	0	1
GRAY WHALE	EASTERN N PACIFIC	2010	4	16	CRAB POT FISHERY	CLATSOP	OR	DEAD	ENTANGLED IN CRAB POT LINES, LENGTH OF GEAR UNKNOWN.	DEAD	NA	NA	1	1
GRAY WHALE	EASTERN N PACIFIC	2010	5	7	CRAB POT FISHERY	LINCOLN	OR	SI (PRORATE)	ENTANGLED IN 3 CRAB POTS, WHALE NOT RELOCATED.	SI (PRORATE)	L10	0.75	1	1
GRAY WHALE	EASTERN N PACIFIC	2010	5	11	GILLNET FISHERY	ORANGE	CA	SI	FREE-SWIMMING ANIMAL ENTANGLED IN GILLNET; ANIMAL FIRST OBSERVED INSIDE DANA POINT HARBOR ON 5/11/10; ANIMAL SUCCESSFULLY DISENTANGLED ON 5/12/10 & SWAM OUT OF HARBOR; ANIMAL OBSERVED ALIVE IN SURF ZONE FOR SEVERAL HOURS ON 5/14/10 OFF DOHENY STATE BEACH BEFORE WASHING UP DEAD ON BEACH.	DEAD	NA	NA	1	1
GRAY WHALE	EASTERN N PACIFIC	2010	8	17	CRAB POT FISHERY	MENDOCINO	CA	SI	1.5 OFFSHORE NAVARRO RIVER: CRAB POT LINE SPIRALED AROUND ANIMAL FROM HEAD TO FLUKES, TRAILING 20 FEET OF LINE ATTACHED TO CRAB POT; PECTORAL FIN SEVERED, ONLY NECROTIC TISSUE REMAINING. FREE-SWIMMING, BREACHING, MAKING SHALLOW DIVES; SUCCESSFUL DISENTANGLEMENT. INJURY DESIGNATED AS SERIOUS DUE TO MISSING PECTORAL FIN.	SI	L2	1	1	1
GRAY WHALE	EASTERN N PACIFIC	2011	1	22	VESSEL STRIKE	SAN DIEGO	CA	SI (PRORATE)	PLEASURE SAILBOAT COLLIDED WITH FREE-SWIMMING ANIMAL; ANIMAL DOVE IMMEDIATELY FOLLOWING CONTACT & WAS NOT RESIGHTED; NO BLOOD OBSERVED IN WATER; FINAL STATUS UNKNOWN. VESSEL SIZE ASSUMED LESS THAN 65 FT. AND SPEED UNKNOWN.	SI (PRORATE)	L7B	0.14	0	1
GRAY WHALE	EASTERN N PACIFIC	2011	2	12	VESSEL STRIKE	LOS ANGELES	CA	SI (PRORATE)	PRIVATE RECREATIONAL VESSEL COLLIDED WITH FREE-SWIMMING ANIMAL; ANIMAL BREACHED JUST PRIOR TO CONTACT, BOUNCING OFF SIDE OF VESSEL; DOVE IMMEDIATELY FOLLOWING CONTACT & WAS NOT RESIGHTED; NO BLOOD OBSERVED IN WATER; FINAL STATUS UNKNOWN; SKIN SAMPLE COLLECTED FROM VESSEL AND GENETICALLY IDENTIFIED AS A FEMALE GRAY WHALE. VESSEL SIZE ASSUMED LESS THAN 65 FT AND SPEED UNKNOWN.	SI (PRORATE)	L7B	0.14	0	1
GRAY WHALE	EASTERN N PACIFIC	2011	4	18	VESSEL STRIKE	SAN FRANCISCO	CA	DEAD	CRUSHED MANDIBLE	DEAD	NA	NA	0	1
GRAY WHALE	EASTERN N PACIFIC	2011	6	11	VESSEL STRIKE	SAN MATEO	CA	DEAD	MASSIVE HEMORRHAGE INTO THE THORAX, BLOOD CLOTS AROUND LUNGS. LESIONS INDICATE MASSIVE TRAUMA. DUE TO CARCASS POSITION, THE SKELETON COULD NOT BE COMPLETELY EXAMINED (LYING ON BACK, TOP OF SKULL IN SAND)	DEAD	NA	NA	0	1
GRAY WHALE	EASTERN N PACIFIC	2011	7	13	UNIDENTIFIED FISHERY INTERACTION	SAN LUIS OBISPO	CA	SI	ANIMAL HAS BEEN IN AREA FOR ~5 WEEKS, OBSERVED FEEDING; THIS WAS FIRST OBSERVATION OF ENTANGLEMENT; GRAY LINE WITH BLACK AND WHITE FLOAT WRAPPED AROUND FLUKE/PEDUNCLE AREA, TRAILING LINE, 2 LACERATIONS IN THE FLUKE AREA, ONE DEEP ONE AT THE BASE AND ONE ON ONE OF THE BLADES CAUSING THE TIP TO CURL; ANIMAL OBSERVED ENTANGLED IN THE MORNING BUT AT 1330 OBSERVED WITHOUT ENTANGLEMENT; SHED GEAR ON ITS OWN; GEAR-FREE BUT INJURED.	SI	L2	1	0	1
GRAY WHALE	EASTERN N PACIFIC/PCFG	2011	7	27	UNIDENTIFIED FISHERY INTERACTION	KITSAP	WA	NSI	INDICATIONS OF OLD HEALED ENTANGLEMENT SCAR ON FLUKE. OPEN ULCER/ LESIONS ON ABDOMEN OF UNKNOWN ORIGIN.	NSI	L5B	0	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	2011	8	25	UNIDENTIFIED NET FISHERY	PETERSBURG	AK	SI	ENTANGLED IN 50 LBS. HEAVY MONOFILAMENT WEBBING, CORK LINE, AND LEAD LINE, AS WELL AS OVER 200 LBS. OF BULL KELP ATTACHED TO GEAR; COMPLETELY DISENTANGLED; LEADING EDGE OF FLUKES HAD SIGNIFICANT CUTS AND ABRASIONS; OVERALL BODY CONDITION WAS POOR; MASSIVE INFESTATION OF WHALE LICE AND BARNACLES; ANIMAL VERY EMACIATED AND LACKED ANY VISIBLE SIGNS OF RECENT FEEDING; OBSERVED THE DAY AFTER DISENTANGLEMENT SWIMMING VERY SLOWLY. HEALTH DECLINE DUE TO CONSTRICTING AND WEIGHTED ENTANGLEMENT.	SI	L2	1	0	1
GRAY WHALE	EASTERN N PACIFIC	2011	8	25	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	SAN MATEO	CA	SI	ONE WHITE "CRAB POT" BUOY NEXT TO BODY BY LEFT PECTORAL FIN; FLOAT STAYED NEXT TO BODY AND DID NOT CHANGE POSITION; ANIMAL REMAINED IN SAME POSITION - POSSIBLY ANCHORED; ONLY OBSERVED FOR ~2 MIN; NOT RESIGHTED, NO RESCUE, OUTCOME UNKNOWN. CONSTRICTING ENTANGLEMENT.	SI	L2	1	1	1
GRAY WHALE	EASTERN N PACIFIC	2011	9	27	COD POT FISHERY ENTANGLEMENT	KODIAK	AK	SI	ENTANGLED IN COD POT GEAR; 3-5 WRAPS OF LINE AROUND PEDUNCLE AND WHALE IMMOBILIZED; 2-3 WRAPS OF FLOATING POLY BUOY LINES WRAPPED CLOSE TO FLUKES, SINGLE WRAP OF POT LINE AROUND PEDUNCLE EXTENDED DOWN TO THE POT AT AN ANGLE; FLUKES IMMOBILIZED; COMPLETELY DISENTANGLED AFTER 2 HRS AND OBSERVED SWIMMING SLOWLY. NON-SERIOUS INJURY BECAUSE WHALE'S CONDITION WAS REPORTED AS GOOD AND ALL GEAR REMOVED.	NSI	L2	NA	1	0
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. DETERMINATION: PRORATE AT L10 BECAUSE GEAR POSSIBLY REMAINS ON ANIMAL.	SI	L10	0.75	1	1
GRAY WHALE	EASTERN N PACIFIC	2012	1	22	MARINE DEBRIS	PACIFIC	WA	DEAD	POSSIBLE ENTANGLEMENT, DEEP CABLE-LIKE INDENTATION AROUND GENITAL AREA.	DEAD	NA	NA	0	1
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	0	1
GRAY WHALE	EASTERN N PACIFIC	2012	3	24	GILLNET FISHERY	LOS ANGELES	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	NA	1	1
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	NA	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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GRAY WHALE	EASTERN N PACIFIC	2012	4	17	UNIDENTIFIED FISHERY INTERACTION	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	0	1
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	NA	0	1
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	0	1
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	0	1
GRAY WHALE	EASTERN N PACIFIC	2012	5	8	DUNGENESS CRAB POT FISHERY	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	1	1
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	NA	1	0
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	NA	0	1
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	1	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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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	L10	0.75	1	1
GRAY WHALE	EASTERN N PACIFIC	2012	8	31	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	SI (PRORATE)	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	0	1
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	1	1
GRAY WHALE	EASTERN N PACIFIC	2013	1	10	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	CLALLAM	WA	SI	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	L10	0.75	1	1
GRAY WHALE	EASTERN N PACIFIC	2013	2	3	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	SAN DIEGO	CA	SI	LINE ENTANGLEMENT DESCRIBED AS "POT GEAR" WITH A SINGLE WHITE BUOY TRAILING. NOT RESIGHTED.	SI	L10	0.75	1	1
GRAY WHALE	EASTERN N PACIFIC	2013	3	8	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	CLALLAM	WA	SI	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	L10	0.75	1	1
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	1	1
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.	SI	L2	1	1	1
GRAY WHALE	EASTERN N PACIFIC	2013	4	13	UNIDENTIFIED FISHERY INTERACTION	SANTA BARBARA	CA	SI	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	L10	0.75	0	1
GRAY WHALE	EASTERN N PACIFIC	2013	4	18	DUNGENESS CRAB POT FISHERY	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	NA	0	0

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GRAY WHALE	EASTERN N PACIFIC	2013	5	6	CRAB POT FISHERY	CURRY	OR	SI	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	L10	0.75	1	1
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	NA	1	1
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	NA	1	1
GRAY WHALE	EASTERN N PACIFIC/PCFG	2013	6	27	DUNGENESS CRAB POT FISHERY	CURRY	OR	DEAD	ENTANGLED TO GEAR AT PEDUNCLE AND RIGHT PECTORAL; CRAB POT TAG NUMBER IDENTIFIED AS DUNGENESS CRAB POT GEAR.	DEAD	NA	NA	1	1
GRAY WHALE	EASTERN N PACIFIC	2013	7	16	DUNGENESS CRAB POT FISHERY	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	NA	1	1
GRAY WHALE	EASTERN N PACIFIC/PCFG	2013	7	29	VESSEL STRIKE	GRAYLAND	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	NA	0	1
GRAY WHALE	EASTERN N PACIFIC	2013	10	23	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE SOUTHERN CA	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
GRAY WHALE	EASTERN N PACIFIC/PCFG	2013	NA	NA	TRIBAL CRAB POT GEAR	CLALLAM	WA	NSI	GRAY WHALE, CONFIRMED (KNOWN PCFG, CASCADIA #819). SEVERAL SIGHTINGS AND THE ANIMAL WAS ULTIMATELY DISENTANGLED BY DFO AND PARKS CANADA.	NSI	L3	NA	0	0
GUADALUPE FUR SEAL	MEXICO	2009	3	29	MARINE DEBRIS	SAN MATEO	CA	SI	BALLOON STRING WRAPPED AROUND SHOULDERS; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB).	NSI	P7B	NA	0	0
GUADALUPE FUR SEAL	MEXICO	2009	5	4	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL TREATED AND RELEASED FROM REHAB)	NSI	P7B	NA	1	0
GUADALUPE FUR SEAL	MEXICO	2009	6	15	MARINE DEBRIS	SAN MATEO	CA	DEAD	GREEN NYLON NETTING AROUND NECK; STRETCHED NET MESH DIAMETER = 4 INCHES; CARCASS EXAMINED BY CAS.	DEAD	NA	NA	0	1
GUADALUPE FUR SEAL	MEXICO	2009	11	22	GILLNET FISHERY	COOS	OR	DEAD	ENTANGLED IN GREEN NETTING	DEAD	NA	NA	1	1
GUADALUPE FUR SEAL	MEXICO	2010	1	16	MARINE DEBRIS	LOS ANGELES	CA	SI	ANIMAL DIED IN REHAB	DEAD	NA	NA	0	1
GUADALUPE FUR SEAL	MEXICO	2010	6	14	GILLNET FISHERY	PACIFIC	WA	DEAD	HEAD ENTANGLED IN NETTING.	DEAD	NA	NA	1	1
GUADALUPE FUR SEAL	MEXICO	2011	1	25	MARINE DEBRIS	LOS ANGELES	CA	SI	FISHING ENTANGLEMENT; AROUND NECK BUT NOT EMBEDDED; 2 HOOKS IN LEFT REAR FLIPPER ON DORSAL AND ONE VENTRAL, TRANSFERRED TO REHABILITATION CENTER, FINAL STATUS UNKNOWN.	SI	P7B	NA	0	1
GUADALUPE FUR SEAL	MEXICO	2011	5	6	MARINE DEBRIS	SAN MATEO	CA	DEAD	ENTANGLED AROUND SHOULDERS WITH BALLOON RIBBON, ADVANCED DECOMPOSITION - RIBBON DID NOT PENETRATE SKIN.	DEAD	NA	NA	0	1
GUADALUPE FUR SEAL	MEXICO	2011	6	9	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	WHITE BALLOON STRING AROUND NECK. ANIMAL DIED IN REHAB.	DEAD	P8A	NA	0	1
GUADALUPE FUR SEAL	MEXICO	2011	6	18	MARINE DEBRIS	SAN MATEO	CA	SI	ANIMAL ENTANGLED IN GREEN TWINE / NETTING. NETTING HAD BARNACLES ON IT, INDICATIVE OF GHOST NETTING / MARINE DEBRIS.	SI	P8A	NA	0	1
GUADALUPE FUR SEAL	MEXICO	2011	7	1	MARINE DEBRIS	GRAYS HARBOR	WA	DEAD	NO DETAILS GIVEN.	DEAD	NA	NA	0	1
GUADALUPE FUR SEAL	MEXICO	2011	7	18	GILLNET FISHERY	JEFFERSON	WA	DEAD	CUTS ON ANIMAL SUGGESTIVE OF ENTANGLING NET FISHERY INTERACTION.	DEAD	NA	NA	1	1
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	NA	0	0

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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	NA	0	1
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	NA	0	0
GUADALUPE FUR SEAL	MEXICO	2012	6	9	MARINE DEBRIS	LINCOLN	OR	SI	ORANGE PLASTIC LINE WRAPPED TIRGHTLY AOUND 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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	1	1
HARBOR PORPOISE	N OREGON/WA COAST	2009	3	23	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	DEAD	CARCASS; PATTERNS OF HEMORRHAGE; BLOOD IN THORAX AND ABDOMEN; FOAM IN LUNGS AND RIB MARKS ON RIGHT AND LEFT LUNGS	DEAD	NA	NA	0	1
HARBOR PORPOISE	N OREGON/WA COAST	2009	4	9	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	DEAD	CARCASS; LINE MARKS, CUTS, EXTENSIVE HEMORRHAGE, AND BRUISING; BLOODY FOAM IN TRACHEA; RIB MARKS ON LUNGS	DEAD	NA	NA	0	1
HARBOR PORPOISE	WA INLAND WATERS	2009	4	26	MARINE DEBRIS	KING	WA	DEAD	CARCASS; EXCELLENT BODY CONDITION; WIDE INDENTATION ON TAILSTOCK (FROM 5/8-INCH-WIDE ROPE), EXTENDING HALFWAY UP LEFT SIDE; ASSOCIATED HEMORRHAGE IN BLUBBER UNDERNEATH	DEAD	NA	NA	0	1
HARBOR PORPOISE	N OREGON/WA COAST	2009	8	11	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	CARCASS; EXTENSIVE BRUISING; FOAM IN TRACHEA; CUTS AROUND HEAD; RIGHT FLUKE AND FLIPPER CUT OFF	DEAD	NA	NA	0	1
HARBOR PORPOISE	WA INLAND WATERS	2009	8	26	MARINE DEBRIS	KITSAP	WA	SI	REPEATED LIVE STANDINGS; SIGNS OF ENTANGLEMENT ON TAILSTOCK; DIED DURING TRANSPORT	DEAD	S1	NA	0	1
HARBOR PORPOISE	WA INLAND WATERS	2009	10	20	GILLNET FISHERY	KITSAP	WA	DEAD	CARCASS; MARKS CONSISTENT WITH MONOFILAMENT LINE AROUND MOUTH.	DEAD	NA	NA	1	1
HARBOR PORPOISE	WA INLAND WATERS	2009	10	20	GILLNET FISHERY	KITSAP	WA	DEAD	CARCASS; EVIDENCE OF FRESH MONOFILAMENT INJURIES	DEAD	NA	NA	1	1
HARBOR PORPOISE	N OREGON/WA COAST	2009	10	22	GILLNET FISHERY	JEFFERSON	WA	DEAD	CARCASS; MONOFILAMENT IMPRESSIONS ON ROSTRUM, PECTORAL FINS, TAILSTOCK, AND FLUKES	DEAD	NA	NA	1	1
HARBOR PORPOISE	N OREGON/WA COAST	2010	1	4	UNIDENTIFIED FISHERY INTERACTION	CLALLAM	WA	DEAD	CARCASS; POSSIBLE ENTANGLEMENT INJURIES ON LOWER JAW WITH CORRESPONDING HEMORRHAGE; INTERNAL EVIDENCE OF DROWNING.	DEAD	NA	NA	0	1
HARBOR PORPOISE	N OREGON/WA COAST	2010	2	23	UNIDENTIFIED NET FISHERY	GRAYS HARBOR	WA	DEAD	CARCASS. GOOD BODY CONDITION. TWO ENTANGLEMENT SCARS ON TAILSTOCK WITH HEMORRHAGE UNDERNEATH.	DEAD	NA	NA	0	1
HARBOR PORPOISE	N OREGON/WA COAST	2010	7	4	UNIDENTIFIED NET FISHERY	CLATSOP	OR	DEAD	CARCASS; LINE MARKS ON FLIPPERS AND ALONG RIGHT SIDE; RIB MARKS ON LUNGS; BLOODY FOAM FROM BLOWHOLE; BLOOD IN ABDOMINAL CAVITY.	DEAD	NA	NA	0	1
HARBOR PORPOISE	N OREGON/WA COAST	2010	7	10	UNIDENTIFIED NET FISHERY	CLATSOP	OR	DEAD	CARCASS; FISHING LINE/NET MARKS ON FIN AND FLUKE EDGES; BLOOD IN PERICARDIUM AND THORACIC AND ABDOMINAL CAVITIES.	DEAD	NA	NA	0	1
HARBOR PORPOISE	WA INLAND WATERS	2010	10	17	UNIDENTIFIED NET FISHERY	KITSAP	WA	DEAD	CALF CARCASS FOUND ON BEACH 2 DAYS AFTER LACTATING ADULT FEMALE HARBOR PORPOISE STRANDED APPROXIMATELY 3 MILES NORTH. TWO LINE SCARS AROUND HEAD AT GAPE.	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	WA INLAND WATERS	2010	10	21	UNIDENTIFIED NET FISHERY	KITSAP	WA	DEAD	CARCASS; NUMEROUS ENTANGLEMENT SCARS, IMPRESSIONS AND LACERATIONS, WITH ASSOCIATED HEMORRHAGE	DEAD	NA	NA	0	1
HARBOR PORPOISE	N CALIFORNIA/S OREGON	2011	1	2	VESSEL STRIKE	LINCOLN	OR	DEAD	CARCASS; RIGHT LOBE OF FLUKE CUT OFF CLEANLY; OTHER LACERATIONS INDICATE PROPELLER WOUNDS	DEAD	NA	NA	0	1
HARBOR PORPOISE	MONTEREY	2011	1	27	SCIENTIFIC RESEARCH	MONTEREY	CA	NSI	HARBOR PORPOISE BECAME ENTANGLED IN SEABIRD RESEARCH NET DURING RETRIEVAL. ANIMAL WAS IMMEDIATELY FREED OF NET AND SPENT LESS THAN 2 MINUTES ENTANGLED. PORPOISE SWAM AWAY STRONGLY.	NSI	S7B	NA	0	0
HARBOR PORPOISE	N OREGON/WA COAST	2011	5	5	UNIDENTIFIED NET FISHERY	PACIFIC	WA	DEAD	CARCASS; SUBSTANTIAL FOAM IN TRACHEA; SEROUS FLUID IN PLEURAL CAVITY; THORACIC ORGANS BRUISED; EXTERNAL MARKS (NET?) AND RUBBED AREAS. EXCELLENT BODY CONDITION.	DEAD	NA	NA	0	1
HARBOR PORPOISE	N OREGON/WA COAST	2011	5	14	UNIDENTIFIED NET FISHERY	PACIFIC	WA	DEAD	CARCASS; SUBSTANTIAL BLOODY FOAM FROM BLOWHOLE AND IN TRACHEA; INDENTATIONS ALONG PEDUNCLE AND MARKS NEAR FLIPPERS	DEAD	NA	NA	0	1
HARBOR PORPOISE	N OREGON/WA COAST	2011	5	27	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	CARCASS; MANY PARALLEL CUTS ACROSS ANIMAL, TREMENDOUS HEMORRHAGING . UPPER JAW TIP BROKEN.	DEAD	NA	NA	0	1
HARBOR PORPOISE	N OREGON/WA COAST	2011	6	3	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	CARCASS; MANY PARALLEL CUTS ACROSS ANIMAL, TREMENDOUS HEMORRHAGING.	DEAD	NA	NA	0	1
HARBOR PORPOISE	N OREGON/WA COAST	2011	9	8	UNIDENTIFIED FISHERY INTERACTION	TILLAMOOK	OR	DEAD	CARCASS; SMALL CUTS ON PEDUNCLE; TRAUMA TO HEAD; FOAM IN LUNGS, ANIMAL VERY THIN WITH REDUCED MUSCLE MASS; LOWER SMALL INTESTINES SEEMED DECOMPOSED, ALMOST NECROTIC; URINE BLOODY.	DEAD	NA	NA	0	1
HARBOR PORPOISE	N OREGON/WA COAST	2011	9	19	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	CARCASS; DORSAL FIN CUT OFF; GROOVED MARKS ON DORSAL PEDUNCLE; BLOOD IN THORACIC AND ABDOMINAL CAVITIES; PERFORATED ULCER IN DUODENUM; SOME ORGANS AND LEFT SIDE OF BODY HEMORRHAGED.	DEAD	NA	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
HARBOR PORPOISE	WA 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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
HARBOR PORPOISE	WA INLAND WATERS	2012	10	31	GILLNET FISHERY	KITSAP	WA	DEAD	CARCASS; ENTANGLED IN FREE-FLOATING GILLNET	DEAD	NA	NA	1	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	WA 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	NA	1	1
HARBOR PORPOISE	WA INLAND WATERS	2012	11	1	GILLNET FISHERY	SAN JUAN	WA	DEAD	CARCASS; OBSERVED ENTANGLEMENT IN GILLNET FISHERY	DEAD	NA	NA	1	1
HARBOR PORPOISE	WA 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	NA	1	1
HARBOR PORPOISE	WA 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	NA	0	1
HARBOR PORPOISE	WA INLAND WATERS	2012	11	6	UNIDENTIFIED NET FISHERY	ISLAND	WA	DEAD	CARCASS; LINE IMPRESSIONS AROUND HEAD AND TAIL STOCK; V-SHAPED IMPRESSION ON LEADING EDGE AND ACROSS WIDTH OF PECTORAL FIN; ANOTHER IMPRESSION WRAPPED AROUND THE MIDDLE OF ONE FLUKE; REGURGITATED FISH IN ESOPHAGUS	DEAD	NA	NA	0	1
HARBOR PORPOISE	N OREGON/WA COAST	2013	4	21	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	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	NA	0	1
HARBOR PORPOISE	N OREGON/WA COAST	2013	4	29	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	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	NA	0	1
HARBOR PORPOISE	SAN FRANCISCO RUSSIAN RIVER	2013	6	5	UNIDENTIFIED NET FISHERY	SAN FRANCISCO	CA	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	NA	0	1
HARBOR PORPOISE	MORRO BAY	2013	7	11	MARINE DEBRIS	SAN DIEGO	CA	DEAD	MARINE DEBRIS ENTANGLEMENT; FOUND FULLY ENCLOSED IN A PLASTIC BAG WITH BLOOD AROUND FLUKE	DEAD	NA	NA	0	1
HARBOR PORPOISE	N OREGON/WA COAST	2013	8	11	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	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	NA	0	1
HARBOR PORPOISE	MORRO BAY	2013	8	30	UNIDENTIFIED NET FISHERY	SAN DIEGO	CA	DEAD	ENTANGLEMENT SCAR.	DEAD	NA	NA	0	1
HARBOR PORPOISE	WA INLAND WATERS	2013	10	25	GILLNET FISHERY	KITSAP	WA	DEAD	PHOTOS SHOW ENTANGLEMENT (MONOFILAMENT LINE) MARKINGS AROUND NOSE AND ACROSS ROSTRUM; DAMAGED TRAILING EDGE OF DORSAL FIN	DEAD	NA	NA	1	1
HARBOR SEAL	CALIFORNIA	2009	1	7	LIMITED ENTRY FIXED GEAR DTL HOOK & LINE	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
HARBOR SEAL	CALIFORNIA	2009	1	13	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	2009	3	10	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA COAST	2009	3	20	NEARSHORE HOOK & LINE	OFFSHORE	OR	NSI	SEAL FEEDING OFF BLACK ROCKFISH CAUGHT ON JIGS FOR CLOSE TO 1 HOUR. HE WAS HOOKED ONCE, NOT TRAILING GEAR, AND STOLE 2-3 FISH BEFORE THEY GOT TO THE SURFACE.	NSI	P5C	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	5	12	HOOK AND LINE FISHERY	ORANGE	CA	SI	3 FISH HOOKS IN FACE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	5	16	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2009	5	16	SCIENTIFIC RESEARCH	ISLAND	WA	NSI	LIVE PUP IN TRAWL NET; PUP WAS ROLLED OUT OF NET AS NET WAS RETRIEVED; SWAM AWAY UNHARMED	NSI	P7B	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	5	17	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2009	5	22	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2009	5	24	HOOK AND LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOKS IN CHIN & RIGHT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	6	10	GILLNET FISHERY	SAN DIEGO	CA	SI	GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PNEUMONIA)	DEAD	P8A	NA	1	1
HARBOR SEAL	CALIFORNIA	2009	6	16	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2009	6	26	HOOK AND LINE FISHERY	SAN FRANCISCO	CA	SI	FISH HOOK WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	4	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2009	7	5	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2009	7	8	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	8	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	8	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	8	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	8	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	8	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	WA N INLAND WATERS	2009	7	9	NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT	DEAD	NA	NA	1	1
HARBOR SEAL	CALIFORNIA	2009	7	9	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. THREE HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	9	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. THREE HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	9	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. THREE HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	10	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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HARBOR SEAL	CALIFORNIA	2009	7	10	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	10	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	10	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	10	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	10	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS FOLLOWED VESSEL ALL DAY FEEDING FROM NET. SEAL BOMBS USED AT EVERY HAUL BACK.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	7	20	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
HARBOR SEAL	S PUGET SOUND	2009	7	31	DOG ATTACK	PIERCE	WA	SI	DOG GRABBED LIVE PUP AND TOOK OFF WITH IT	DEAD	P9	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2009	8	8	DOG ATTACK	KITSAP	WA	SI	LIVE ANIMAL ATTACKED BY DOGS; TAKEN INTO REHAB AND DIED DUE TO INFECTED PUNCTURE WOUNDS	DEAD	P9	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2009	8	10	GAFF INJURY	KITSAP	WA	DEAD	CARCASS; LEFT EYE PROPTOSED, SWELLING ON LEFT SIDE OF HEAD, CAUDAL SKULL FRACTURE, AND HEMATOMA; HOLE IN LEFT SIDE OF HEAD (THROUGH SKIN AND SKULL) MOST LIKELY CAUSED BY GAFF; BLEEDING FROM NOSTRILS	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2009	8	10	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	FISH HOOK WITH ATTACHED LINE IN CHIN/THROAT AREA, LINE WRAPPED AROUND BODY; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA	0	0
HARBOR SEAL	S PUGET SOUND	2009	8	11	HOOK AND LINE FISHERY	THURSTON	WA	NSI	REPORT OF LIVE ANIMAL WITH FISHING LINE AND HOOK STUCK IN LIP; ANIMAL DIED AND WASHED OFF LOG BOOMS BEFORE IT COULD BE EXAMINED	DEAD	P5B	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2009	8	13	NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT	DEAD	NA	NA	1	1
HARBOR SEAL	CALIFORNIA	2009	8	14	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS TRAILING VESSEL ENTIRE TRIP. 2-3 SEAL BOMBS USED EACH HAUL WHILE PULLING UP NET.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	8	14	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS TRAILING VESSEL ENTIRE TRIP. 2-3 SEAL BOMBS USED EACH HAUL WHILE PULLING UP NET.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	8	14	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS TRAILING VESSEL ENTIRE TRIP. 2-3 SEAL BOMBS USED EACH HAUL WHILE PULLING UP NET.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	8	14	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS TRAILING VESSEL ENTIRE TRIP. 2-3 SEAL BOMBS USED EACH HAUL WHILE PULLING UP NET.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	8	14	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS TRAILING VESSEL ENTIRE TRIP. 2-3 SEAL BOMBS USED EACH HAUL WHILE PULLING UP NET.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	8	14	OPEN ACCESS CA HALIBUT BOTTOM TRAWL	OFFSHORE	CA	NSI	DETERRENCE USED. SIX HARBOR SEALS TRAILING VESSEL ENTIRE TRIP. 2-3 SEAL BOMBS USED EACH HAUL WHILE PULLING UP NET.	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2009	8	18	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA COAST	2009	8	20	SHOOTING	CLATSOP	WA	DEAD	CARCASS; BULLET HOLES IN THORAX; TREMENDOUS BRUISING ACROSS BACK; SMASHED NOSE	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2009	9	1	HOOK AND LINE FISHERY	PIERCE	WA	SI	FISH HOOK IN MOUTH; HOOK REMOVED AND ANIMAL RELEASED	NSI	P5C	NA	0	0
HARBOR SEAL	WA N INLAND WATERS	2009	9	21	VESSEL STRIKE	WHATCOM	WA	DEAD	CARCASS; LARGE LACERATIONS ON FOREFLIPPER	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2009	9	30	VESSEL STRIKE	WHATCOM	WA	DEAD	CARCASS; SLASHES, GASHES, AND MARKS ALONG SIDE AND BACK	DEAD	NA	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	S PUGET SOUND	2009	10	3	HOOK AND LINE FISHERY	PIERCE	WA	DEAD	CARCASS; FISH HOOK LODGED IN STOMACH ATTACHED TO LINE THROUGHOUT GI TRACT	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2009	10	6	HOOK AND LINE FISHERY	SAN MATEO	CA	DEAD	FIELD EXAMINATION REVEALED FISH HOOK IN ESOPHAGUS; CARCASS EXAMINED BY CAS.	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA COAST	2009	10	27	SHOOTING	GRAYS HARBOR	WA	DEAD	CARCASS; BULLET FOUND IN CHEST CAVITY; ANIMAL APPEARED TO HAVE BEEN SHOT ABOVE RIGHT SHOULDER, THEN BULLET WENT THROUGH RIBCAGE AND PENETRATED HEART AND LUNGS	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2009	11	12	SALMON GILLNET FISHERY	KITSAP	WA	DEAD	CARCASS IN LOST/ABANDONED CHUM SALMON GILLNET (20-30 YEAR OLD NET) FOUND ON SEAFLOOR. GEAR HAD BEEN LOCATED WITH CAMERA AND DESIGNATED FOR DERELICT GEAR REMOVAL	DEAD	NA	NA	1	1
HARBOR SEAL	WA N INLAND WATERS	2009	11	14	NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT	DEAD	NA	NA	1	1
HARBOR SEAL	WA N INLAND WATERS	2009	12	1	GILLNET FISHERY	SAN JUAN	WA	DEAD	CARCASS; ONE OF 2 ANIMALS CAUGHT IN DERELICT GILLNET. FRESH DEAD.	DEAD	NA	NA	1	1
HARBOR SEAL	WA N INLAND WATERS	2009	12	1	GILLNET FISHERY	SAN JUAN	WA	DEAD	CARCASS; ONE OF 2 ANIMALS CAUGHT IN DERELICT GILLNET. MODERATE DECOMPOSITION.	DEAD	NA	NA	1	1
HARBOR SEAL	WA N INLAND WATERS	2009	12	15	NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT	DEAD	NA	NA	1	1
HARBOR SEAL	WA N INLAND WATERS	2009	12	15	NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT	DEAD	NA	NA	1	1
HARBOR SEAL	OR/WA COAST	2009	NA	NA	CA/OR/WA SABLEFISH POT FISHERY	OFFSHORE OR/WA	WA/OR	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
HARBOR SEAL	S PUGET SOUND	2010	1	17	SHOOTING	PIERCE	WA	DEAD	CARCASS; PENETRATING TRACKING WOUND IN NECK; LOTS OF HEMORRHAGING; BONE FRAGMENTS NEAR TRACKING WOUND; STOMACH FULL OF FISH	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2010	1	20	HOOK AND LINE FISHERY	MARIN	CA	DEAD	HOOK WITH 116 CENTIMETERS OF ATTACHED LINE & SINKERS IN PYLORUS; PERITONITIS; GASTRITIS	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2010	1	25	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2010	1	26	HUMAN-INDUCED ABANDONMENT	SAN DIEGO	CA	SI	PUP AND MOTHER SEPARATED DUE TO PUBLIC INTRUSION OF BEACH ROOKERY. ANIMAL RELEASED FROM REHAB.	NSI	P14	NA	0	0
HARBOR SEAL	WA N INLAND WATERS	2010	1	26	UNIDENTIFIED NET FISHERY	KITSAP	WA	DEAD	DEAD SEAL FOUND IN DERELICT NET	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2010	2	19	GILLNET FISHERY	KITSAP	WA	DEAD	MUMMIFIED/SKELETAL SEAL FOUND IN DERELICT GILLNET	DEAD	NA	NA	1	1
HARBOR SEAL	CALIFORNIA	2010	2	20	HUMAN-INDUCED ABANDONMENT	SAN DIEGO	CA	SI	PUP AND MOTHER SEPARATED DUE TO PUBLIC INTRUSION OF BEACH ROOKERY. ANIMAL EUTHANIZED IN REHAB.	DEAD	P14	NA	0	1
HARBOR SEAL	CALIFORNIA	2010	3	12	MARINE DEBRIS	ORANGE	CA	SI	VOMITED PLASTIC WRAPPER. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P2	NA	0	0
HARBOR SEAL	CALIFORNIA	2010	3	18	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2010	3	22	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	SI	ADULT WITH PUP FOUND IN COOLING STATION WATER SYSTEM, PUP RELEASED TO BEACH.	SI	P14	NA	0	1
HARBOR SEAL	CALIFORNIA	2010	3	22	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ADULT WAS GOING TO BE RELEASED, BUT DIED IN TRANSIT TO SAN ONOFRE BEACH.	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2010	3	22	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	IMMEDIATELY RELEASED AT SITE	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2010	3	22	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	IMMEDIATELY RELEASED AT SITE	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2010	3	30	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
HARBOR SEAL	CALIFORNIA	2010	4	5	HUMAN-INDUCED ABANDONMENT	SAN LUIS OBISPO	CA	SI	PUBLIC NETTED PUP. IN NET ALONGSIDE DOCK WHEN RESPONDERS ARRIVED. ANIMAL RELOCATED. UNKNOWN IF PUP REUNITED WITH MOTHER.	SI	P14	NA	0	1
HARBOR SEAL	CALIFORNIA	2010	4	8	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2010	4	9	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
HARBOR SEAL	CALIFORNIA	2010	4	14	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	NA	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	2010	4	14	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2010	4	17	HOOK AND LINE FISHERY	SAN DIEGO	CA	NSI	HARBOR SEAL HAD A FISHING LURE IN LEFT FLIPPER WITH MONOFILAMENT LINE, A PIECE OF A LOBSTER TRAP AND A HOLDFAST FROM KELP. ONCE THESE ITEMS WERE SUCCESSFULLY REMOVED THE ANIMAL WAS RELEASED ON SITE. THE ANIMAL WAS IN GOOD BODY CONDITION.	NSI	P5C	NA	0	0
HARBOR SEAL	CALIFORNIA	2010	4	19	HUMAN-INDUCED ABANDONMENT	MARIN	CA	SI	PUP SEPARATED FROM MOTHER,TRANSPORTED AWAY FROM BEACH BY MEMBERS OF PUBLIC, DIED DURING TRANSPORT BACK TO BEACH	DEAD	P14	NA	0	1
HARBOR SEAL	CALIFORNIA	2010	4	28	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM, IMMEDIATELY RELEASED ON SITE	NSI	P9	NA	0	0
HARBOR SEAL	OR/WA COAST	2010	5	1	HOOK AND LINE FISHERY	GRAYS HARBOR	WA	DEAD	CARCASS; FISH HOOK AT BASE OF STOMACH	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2010	6	5	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
HARBOR SEAL	CALIFORNIA	2010	6	30	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	DEAD	WOUNDS FROM LINE EMBEDDED IN NECK (LINE NOT PRESENT)	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2010	7	3	STAB WOUNDS	SANTA BARBARA	CA	DEAD	SHORT METAL SHANK SPEAR WAS LODGED SIDEWAYS IN THE ANIMAL WITH ABOUT 18" OF CABLE HANGING OUT OF THE ANIMAL	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2010	7	25	HOOK AND LINE FISHERY	KITSAP	WA	SI	LIVE PUP (ATTENDED BY FEMALE) WITH MONOFILAMENT LINE AROUND ITS NECK; ATTEMPTED TO CAPTURE USING SAFE BOAT BUT ANIMAL WENT INTO WATER.	SI	P8A	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2010	8	2	UNIDENTIFIED NET FISHERY	SAN JUAN	WA	DEAD	MUMMIFIED SKELETAL SEAL FOUND IN GHOST NET	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2010	8	16	VESSEL STRIKE	SAN JUAN	WA	DEAD	OBVIOUS PROPELLER WOUNDS ON FACE AND UPPER BODY, INCLUDING 3-CM LACERATION ON LEFT VENTRAL NECK AREA, 3.5 CM DEEP; 8.5-CM LACERATIONS THROUGH LOWER MANDIBLE, ACROSS ROSTRUM, AND INTO UPPER PALATE.	DEAD	NA	NA	0	1
HARBOR SEAL	S PUGET SOUND	2010	8	23	SHOOTING	MASON	WA	DEAD	BULLET FOUND IN SKULL; TRACK THROUGH RIGHT EYE SOCKET AND INTO NASAL CAVITY; BULLET FRAGMENTS SEEN IN RIGHT NASAL CAVITY VIA RADIOGRAPHS.	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2010	8	24	UNIDENTIFIED NET FISHERY	WHATCOM	WA	DEAD	FRESH DEAD PUP, BLEEDING FROM NOSE AND MOUTH, FOUND IN FISHING NET; DROWNED	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2010	8	29	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	NA	0	0
HARBOR SEAL	WA N INLAND WATERS	2010	9	1	HOOK AND LINE FISHERY	KING	WA	SI	FOUR FISH HOOKS IN ANIMAL (ONE ABOVE LEFT EYE, TWO IN LOWER LIP, AND ONE IN FORE FLIPPER) AND LACERATIONS ON HIND FLIPPERS; ANIMAL CAPTURED, HOOKS REMOVED, AND RELEASED; ALL HOOKS EASY TO REMOVE EXCEPT IN FLIPPER.	NSI	P5C	NA	0	0
HARBOR SEAL	CALIFORNIA	2010	9	2	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	NA	0	0
HARBOR SEAL	WA N INLAND WATERS	2010	9	7	SHOOTING	WHATCOM	WA	DEAD	CARCASS; TRACKING WOUND THROUGH SKULL	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA COAST	2010	9	10	NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	CLALLAM	WA	DEAD	TRIBAL OBSERVER PROGRAM	DEAD	NA	NA	1	1
HARBOR SEAL	OR/WA COAST	2010	9	10	NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	CLALLAM	WA	DEAD	TRIBAL OBSERVER PROGRAM	DEAD	NA	NA	1	1
HARBOR SEAL	OR/WA COAST	2010	9	10	NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	CLALLAM	WA	DEAD	TRIBAL OBSERVER PROGRAM	DEAD	NA	NA	1	1
HARBOR SEAL	CALIFORNIA	2010	9	15	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI	DEEP ENTANGLEMENT-LIKE LACERATIONS AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	OR/WA COAST	2010	9	28	SHOOTING	PACIFIC	WA	DEAD	ENTRY WOUND THROUGH RIGHT EYE; BULLET RETRIEVED FROM LEFT SIDE OF BACK OF SKULL, PROBABLE EXIT WOUND	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA COAST	2010	11	11	SHOOTING	TILLAMOOK	OR	SI	TWO CLEAR (BULLET) POINTS OF ENTRY INTO HEAD, EACH 0.4 CM IN DIAMETER, WITH ASSOCIATED TREMENDOUS HEMORRHAGE, CLOTTED BLOOD, AND BROKEN BONES (E.G. BULLA AND MASTOID PROCESS); EUTHANIZED AT SITE	DEAD	P9	NA	0	1
HARBOR SEAL	CALIFORNIA	2010	12	3	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2010	12	4	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	NA	0	0
HARBOR SEAL	S PUGET SOUND	2010	12	21	NON-FISHERY ENTANGLEMENT	THURSTON	WA	DEAD	REPORTED BY DIVE TEAM WHILE CUTTING PILINGS UNDERWATER AS PART OF THE DNR WOODARD BAY RESTORATION PROJECT. THE SEAL WAS ENTANGLED IN A LINE THAT WAS ATTACHED TO A BUOY MARKING A BROKEN PILE. THE BUOY AND LINE WERE ATTACHED.	DEAD	NA	NA	NA	1
HARBOR SEAL	CALIFORNIA	2010	12	28	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	NA	0	0
HARBOR SEAL	WA N INLAND WATERS	2011	3	22	MARINE DEBRIS	KITSAP	WA	SI	LIVE ANIMAL WITH ROPE OR LINE AROUND NECK AND TOP OF HEAD.	SI	P8A	NA	0	1
HARBOR SEAL	CALIFORNIA	2011	4	2	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	POWER PLANT ENTRAINMENT	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2011	4	21	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	POWER PLANT ENTRAINMENT, ANIMAL CAPTURED AND RELEASED	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2011	4	25	SHOOTING	MARIN	CA	DEAD	NECROPSY PERFORMED	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2011	4	29	HUMAN-INDUCED ABANDONMENT	MONTEREY	CA	SI	VERY YOUNG PUP (1-2 INCH UMBILICUS PRESENT) ILLEGALLY REMOVED FROM BEACH BY MEMBER OF THE PUBLIC. BROUGHT TO REHABILITATION CENTER.	SI	P14	NA	0	1
HARBOR SEAL	OR/WA COAST	2011	5	19	HOOK AND LINE FISHERY	LINCOLN	OR	SI	FISH HOOK IN MOUTH; ANIMAL CAPTURED; HOOK REMOVED, AND RELEASED	NSI	P5C	NA	0	0
HARBOR SEAL	CALIFORNIA	2011	5	29	HUMAN-INDUCED ABANDONMENT	MENDOCINO	CA	SI	DEPENDENT PUP ILLEGALLY REMOVED FROM BEACH. DIED DURING TRANSPORT BACK TO BEACH.	DEAD	P14	NA	0	1
HARBOR SEAL	OR/WA COAST	2011	5	30	HOOK AND LINE FISHERY	TILLAMOOK	OR	SI	TREMBLING NOTED INITIALLY; CONVULSIONS AND VOMITING REPORTED JUST PRIOR TO DEATH; FISH HOOK WITH LURE AND LINE HAD PERFORATED INTESTINES; SUBSTANTIAL HEMORRHAGE THROUGHOUT	DEAD	P2	NA	0	1
HARBOR SEAL	CALIFORNIA	2011	6	4	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER INTAKE AREA	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2011	6	7	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER INTAKE AREA	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2011	6	12	GILLNET FISHERY	VENTURA	CA	SI	SEAL ENTANGLED IN GREEN MONOFILAMENT GILLNET. LACERATIONS AROUND NECK. NETTING REMOVED AND ANIMAL SENT TO REHAB FACILITY. FINAL STATUS UNKNOWN.	SI	P8A	NA	1	1
HARBOR SEAL	CALIFORNIA	2011	7	4	HOOK AND LINE FISHERY	SAN DIEGO	CA	SI	EXTREMELY THIN AND LETHARGIC. UNABLE TO LIFT HEAD AND OFFERED NO RESISTANCE WHEN PICKED UP. XRAY SHOWED FISH HOOK IN LOWER GI TRACT. TAKEN TO REHAB FACILITY. FINAL STATUS UNKNOWN.	SI	P2	NA	0	1
HARBOR SEAL	OR/WA COAST	2011	7	9	VESSEL STRIKE	CLATSOP	OR	DEAD	CARCASS; EXCELLENT BODY CONDITION; PROPELLER CUTS AT LEFT AXILLA AND LEFT ANKLE; TREMENDOUS HEMORRHAGING AROUND NECK, PROPELLER CUTS, AND PELVIC AREA	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2011	7	15	HOOK AND LINE FISHERY	WHATCOM	WA	DEAD	CARCASS FOUND WITH HOOK THROUGH LIP	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2011	7	26	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN POWER PLANT COOLING WATER SYSTEM	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA COAST	2011	8	1	DOG ATTACK	LINCOLN	OR	SI	LIVE PUP REPORTEDLY ATTACKED BY THREE DOGS	DEAD	P9	NA	0	1
HARBOR SEAL	OR/WA COAST	2011	8	1	SCIENTIFIC RESEARCH	TILLAMOOK	OR	DEAD	CARCASS; CAUGHT ON HOOK OF IPHC (INTERNATIONAL PACIFIC HALIBUT COMMISSION) LONGLINE GEAR	DEAD	NA	NA	0	1

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HARBOR SEAL	WA N INLAND WATERS	2011	8	11	HOOK AND LINE FISHERY	KING	WA	DEAD	CARCASS; PIECE OF FISHING LINE AND REMNANT OF HOOK FOUND IN LARGE INTESTINES	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2011	8	29	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER PLANT STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2011	8	30	VESSEL STRIKE	SKAGIT	WA	DEAD	CARCASS; CRESCENT-SHAPED GASH IN LEFT SIDE BELOW RIBS WITH INTERNAL ORGANS PROTRUDING, AS WELL AS GASH ON SIDE OF HEAD CAUSED BY SMALL BOAT PROPELLER; LEFT EYE GONE	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2011	9	5	HOOK AND LINE FISHERY	KING	WA	NSI	FISH HOOK IN FACE	NSI	P5B	NA	0	0
HARBOR SEAL	WA N INLAND WATERS	2011	9	8	SHOOTING	ISLAND	WA	DEAD	CARCASS; GOOD BODY CONDITION; BULLET WOUND (30 MM X 20 MM) BEHIND LEFT EAR OPENING; EXIT WOUND (70 MM X 70 MM) 4.5 CM BELOW AND TO RIGHT OF RIGHT EAR; THIRD HOLE (40 MM) 27 MM DIRECTLY BELOW RIGHT EAR; NO BULLETS OR FRAGMENTS FOUND.	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2011	9	11	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER PLANT STATION COOLING WATER SYSTEM	NSI	P9	NA	0	0
HARBOR SEAL	S PUGET SOUND	2011	9	12	SHOOTING	THURSTON	WA	DEAD	CARCASS; TRACKING WOUND ON LEFT SIDE OF TOP OF SKULL WITH ASSOCIATED HEMORRHAGING; TOP OF SKULL SHATTERED AND HEMORRHAGING IN BRAIN TISSUE	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2011	9	14	UNIDENTIFIED FISHERY INTERACTION	SAN JUAN	WA	SI	PHOTO OF LIVE PUP SHOWED SOME FISHING GEAR ATTACHED TO ITS REAR FLIPPERS; ANIMAL NEVER LOCATED SO UNABLE TO EXAMINE. GEAR MAY IMPEDE ABILITY TO FEED AND TRAVEL.	SI	P6	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2011	9	19	GILLNET FISHERY, TRIBAL	KING	WA	NSI	LIVE ENTANGLEMENT IN TRIBAL FISHING NET; ANIMAL DISENTANGLED AND RELEASED	NSI	P7B	NA	0	0
HARBOR SEAL	OR/WA COAST	2011	9	23	PACIFIC WHITING TRAWL FISHERY	GRAYS HARBOR	WA	DEAD	CARCASS; BROUGHT IN WITH CARGO OF WHITING FISHING VESSEL; APPEARED TO HAVE DIED IN TRAWL NET OR IN CARGO HULL	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2011	9	25	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER PLANT STATION COOLING WATER SYSTEM	NSI	P9	NA	0	0
HARBOR SEAL	WA N INLAND WATERS	2011	9	29	GILLNET FISHERY	KITSAP	WA	DEAD	ENTRAINMENT INTO POWER PLANT STATION COOLING WATER SYSTEM	DEAD	NA	NA	1	1
HARBOR SEAL	CALIFORNIA	2011	10	14	GILLNET FISHERY	SAN DIEGO	CA	SI	ADULT HARBOR SEAL WITH FISHING NET DEEPLY CUTTING INTO NECK.	SI	P8A	NA	1	1
HARBOR SEAL	CALIFORNIA	2011	10	16	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	SI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM. CAPTURED AND DIED DURING TRANSPORT TO RELEASE SITE	DEAD	P9	NA	0	1
HARBOR SEAL	OR/WA COAST	2011	10	25	SHOOTING	PACIFIC	WA	DEAD	CARCASS; SMALL BULLET HOLE WITH ASSOCIATED HEMORRHAGING IN ABDOMEN; INTESTINES TIGHTLY TWISTED; LOTS OF FLUID IN ABDOMINAL AND THORACIC CAVITIES	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA COAST	2011	10	30	GILLNET FISHERY	GRAYS HARBOR	WA	DEAD	CARCASS; ENTANGLED IN MONOFILAMENT NET; CIRCULAR HOLE ON LEFT DORSAL SIDE OF THORACIC AREA (LIKELY GAFF RATHER THAN BULLET HOLE), WITH ABDOMEN CUT OPEN.	DEAD	NA	NA	1	1
HARBOR SEAL	OR/WA COAST	2011	11	1	GILLNET FISHERY	GRAYS HARBOR	WA	DEAD	CARCASS; ENTANGLED IN APPROXIMATELY 36-FT MONOFILAMENT NET WITH LEAD LINE ATTACHED AND TWINE THAT WAS USED TO REPAIR HOLES IN THE NET.	DEAD	NA	NA	1	1
HARBOR SEAL	CALIFORNIA	2011	11	11	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
HARBOR SEAL	HOOD CANAL	2011	11	20	GILLNET FISHERY, TRIBAL	MASON	WA	DEAD	REPORTED TO NOAA BY TRIBE AS KILLED IN GILLNET	DEAD	NA	NA	1	1
HARBOR SEAL	CALIFORNIA	2011	11	20	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	NA	0	0
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	NA	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	S PUGET SOUND	2012	1	6	SHOOTING	PIERCE	WA	DEAD	CARCASS; RADIOGRAPH SHOWED BULLET IN HEAD AND COMPOUND SKULL FRACTURE; MARKED HEMORRHAGE IN BRAIN CAVITY; STOMACH HAD PARTIALLY DIGESTED FISH	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2012	1	22	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
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	NA	0	1
HARBOR SEAL	OR/WA 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	NA	0	1
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	NA	0	1
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	NA	0	1
HARBOR SEAL	CALIFORNIA	2012	2	24	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2012	3	3	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA COAST	2012	3	10	SHOOTING	CLATSOP	OR	DEAD	CARCASS; BULLET HOLES AND TRACKS WITH ASSOCIATED HEMORRHAGING	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2012	4	1	HOOK AND LINE FISHERY	KING	WA	DEAD	CARCASS; ENTANGLED IN MONOFILAMENT LINE	DEAD	NA	NA	0	1
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	NA	0	0
HARBOR SEAL	CALIFORNIA	2012	4	5	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
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	NA	0	0
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	NA	0	1
HARBOR SEAL	OR/WA 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	NA	0	1
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	NA	0	0
HARBOR SEAL	CALIFORNIA	2012	4	24	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL FOUND IN POWER PLANT INTAKE SYSTEM	DEAD	NA	NA	0	1
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	NA	0	0
HARBOR SEAL	OR/WA 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	NA	0	1
HARBOR SEAL	OR/WA COAST	2012	5	21	CAR 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	NA	0	1
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	NA	0	1

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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 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	NA	0	0
HARBOR SEAL	CALIFORNIA	2012	6	15	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA 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	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2012	6	18	SHOOTING	ISLAND	WA	DEAD	CARCASS; GUNSHOT TO HEAD, JUST BEHIND EYES; BULLET EXITED ON OTHER SIDE	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA 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	NA	0	1
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	NA	0	0
HARBOR SEAL	WA N INLAND WATERS	2012	7	8	HUMAN-INDUCED ABANDONMENT	SKAGIT	WA	SI	PUBLIC USE OF BEACH SEPARATED MOTHER AND PUP; PUP DIED	DEAD	P14	NA	0	1
HARBOR SEAL	CALIFORNIA	2012	7	13	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
HARBOR SEAL	WA N 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	NA	1	1
HARBOR SEAL	OR/WA COAST	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	NA	0	1
HARBOR SEAL	WA N 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	NA	0	1
HARBOR SEAL	WA N 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	NA	0	1
HARBOR SEAL	WA N 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	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2012	8	12	SHOOTING	WHATCOM	WA	DEAD	CARCASS; ADULT FEMALE WITH MULTIPLE GUNSHOT WOUNDS.	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA COAST	2012	8	14	SHOOTING	PACIFIC	WA	DEAD	CARCASS; CLEAR ENTRANCE/EXIT BULLET HOLES IN BODY WITH ASSOCIATED HEMORRHAGE AND THREE BROKEN RIBS	DEAD	NA	NA	0	1
HARBOR SEAL	S PUGET SOUND	2012	8	18	GILLNET FISHERY, TRIBAL	THURSTON	WA	DEAD	CARCASS; ONE OF FOUR PUPS CAUGHT IN TRIBAL GILLNET	DEAD	NA	NA	1	1
HARBOR SEAL	S PUGET SOUND	2012	8	18	GILLNET FISHERY, TRIBAL	THURSTON	WA	DEAD	CARCASS; ONE OF FOUR PUPS CAUGHT IN TRIBAL GILLNET	DEAD	NA	NA	1	1
HARBOR SEAL	S PUGET SOUND	2012	8	18	GILLNET FISHERY, TRIBAL	THURSTON	WA	DEAD	CARCASS; ONE OF FOUR PUPS CAUGHT IN TRIBAL GILLNET	DEAD	NA	NA	1	1
HARBOR SEAL	S PUGET SOUND	2012	8	18	GILLNET FISHERY, TRIBAL	THURSTON	WA	DEAD	CARCASS; ONE OF FOUR PUPS CAUGHT IN TRIBAL GILLNET	DEAD	NA	NA	1	1
HARBOR SEAL	S 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	NA	0	1
HARBOR SEAL	S 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	NA	0	1
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	NA	0	1

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HARBOR SEAL	OR/WA 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	NA	0	1
HARBOR SEAL	WA N 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	NA	0	1
HARBOR SEAL	OR/WA COAST	2012	9	6	SHOOTING	PACIFIC	WA	DEAD	CARCASS; CLEAR BULLET HOLE IN NECK; SKULL SHATTERED	DEAD	NA	NA	0	1
HARBOR SEAL	WA N 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	NA	0	1
HARBOR SEAL	WA N 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	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2012	9	18	VESSEL STRIKE	PIERCE	WA	DEAD	DEAD PUP WITH CURVED WOUNDS AND IMPRESSIONS CONSISTENT WITH PROPELLER INJURIES	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2012	9	20	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	ANIMAL FOUND IN POWER PLANT INTAKE SYSTEM	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA COAST	2012	9	22	SHOOTING/HOOK AND LINE FISHERY	CLATSOP	OR	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	NA	0	1
HARBOR SEAL	CALIFORNIA	2012	9	24	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA COAST	2012	9	26	SHOOTING	PACIFIC	WA	DEAD	CARCASS; PENETRATING WOUND ON LEFT CHEEK, APPROXIMATELY 3 CM BELOW EYE, WITH TRACKING WOUND INTO UPPER CHEEK	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2012	10	4	GILLNET FISHERY	JEFFERSON	WA	DEAD	CARCASS; DIAMOND-SHAPED PATTERN IMPRINTED ON PELT; HISTOPATHOLOGY CONFIRMED PULMONARY HEMORRHAGE AND CONGESTION.	DEAD	NA	NA	1	1
HARBOR SEAL	OR/WA COAST	2012	10	15	HOOK AND LINE FISHERY	GRAYS HARBOR	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	NA	0	1
HARBOR SEAL	WA N 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	NA	1	1
HARBOR SEAL	WA N 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	NA	1	1
HARBOR SEAL	CALIFORNIA	2012	10	17	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM. RELEASED ALIVE TO BEACH.	NSI	P9	NA	0	0
HARBOR SEAL	WA N INLAND WATERS	2012	10	25	VESSEL STRIKE	WHATCOM	WA	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	NA	0	1
HARBOR SEAL	OR/WA COAST	2012	11	4	SHOOTING	LINCOLN	OR	DEAD	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	NA	0	1
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	NA	0	0
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	NA	0	0

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HARBOR SEAL	CALIFORNIA	2013	2	7	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2013	2	13	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM; NO INJURIES; RELEASED TO BEACH	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2013	2	25	HUMAN-INDUCED ABANDONMENT	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	NA	0	1
HARBOR SEAL	CALIFORNIA	2013	3	9	HUMAN-INDUCED ABANDONMENT	HUMBOLDT	CA	SI	MATERNAL SEPARATION; ILLEGAL PICK UP BY PUBLIC WHO KEPT IT IN BATHTUB FOR UNDISCLOSED AMOUNT OF TIME; FEVER, MALNOURISHED; VOLUNTEERS PUT PUP BACK WHERE IT WAS FOUND; WHEN MOTHER DID NOT RETURN, PUP WAS TRANSFERRED TO REHAB	SI	P14	NA	0	1
HARBOR SEAL	CALIFORNIA	2013	3	12	HUMAN-INDUCED ABANDONMENT	SAN DIEGO	CA	SI	MATERNAL SEPARATION; BROUGHT TO LIFEGUARDS; THIN, DEHYDRATED	SI	P14	NA	0	1
HARBOR SEAL	CALIFORNIA	2013	3	12	HUMAN-INDUCED ABANDONMENT	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	NA	0	1
HARBOR SEAL	OR/WA 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	NA	0	1
HARBOR SEAL	OR/WA 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	NA	0	1
HARBOR SEAL	OR/WA 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	NA	0	1
HARBOR SEAL	CALIFORNIA	2013	4	2	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2013	4	2	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
HARBOR SEAL	CALIFORNIA	2013	4	6	HUMAN-INDUCED ABANDONMENT	MONTEREY	CA	SI	ILLEGAL PICK UP; MATERNAL SEPARATION; HARASSED; PICKED UP BY PUBLIC, WRAPPED IN TOWEL, AND PLACED ELSEWHERE ON BEACH; EMACIATED	SI	P14	NA	0	1
HARBOR SEAL	CALIFORNIA	2013	4	6	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA 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	NA	0	1
HARBOR SEAL	OR/WA COAST	2013	4	17	SHOOTING	CLATSTOP	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	NA	0	1
HARBOR SEAL	OR/WA 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	NA	0	1

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HARBOR SEAL	OR/WA 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	NA	0	1
HARBOR SEAL	WA N 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	NA	0	0
HARBOR SEAL	S PUGET SOUND	2013	6	9	HARASSMENT	PIERCE	WA	NSI	HARASSMENT; REPORTS THAT MEMBERS OF PUBLIC WERE PUTTING PUP BACK IN WATER; NO SIGN OF FEMALE ATTENDING PUP; NUMEROUS PEOPLE AND DOGS PRESENT	NSI	P9	NA	0	0
HARBOR SEAL	CALIFORNIA	2013	6	25	DOG ATTACK	HUMBOLDT	CA	SI	DOG BITES, NO OTHER DETAILS PROVIDED.	SI	P9	NA	0	1
HARBOR SEAL	S 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	NA	1	1
HARBOR SEAL	S PUGET SOUND	2013	7	1	HUMAN-INDUCED ABANDONMENT	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	NA	0	1
HARBOR SEAL	HOOD CANAL	2013	7	1	HUMAN-INDUCED ABANDONMENT	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	NA	0	1
HARBOR SEAL	HOOD CANAL	2013	7	4	HUMAN-INDUCED ABANDONMENT	JEFFERSON	WA	SI	ILLEGAL PICKUP; MEMBERS OF PUBLIC REFUSED TO RETURN NEWBORN PUP TO BEACH; MATERNAL SEPARATION	SI	P14	NA	0	1
HARBOR SEAL	S 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	NA	0	0
HARBOR SEAL	WA N INLAND WATERS	2013	7	13	HARASSMENT	SAN JUAN	WA	NSI	HARASSMENT; MEMBER OF PUBLIC SEEN CLIMBING OUT TO TOUCH SEAL PUP	NSI	P9	NA	0	0
HARBOR SEAL	WA N 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	NA	0	0
HARBOR SEAL	WA N INLAND WATERS	2013	7	16	HUMAN-INDUCED ABANDONMENT	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	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2013	7	17	HUMAN-INDUCED ABANDONMENT	SAN JUAN	WA	SI	MATERNAL SEPARATION; REPORTS OF PUBLIC HARASSING PUP OVER 2.5 DAYS; RELOCATED TO REHAB	SI	P14	NA	0	1
HARBOR SEAL	HOOD CANAL	2013	7	21	HUMAN-INDUCED ABANDONMENT	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	NA	0	1
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	NA	0	0
HARBOR SEAL	S 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	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	S PUGET SOUND	2013	7	31	HUMAN-INDUCED ABANDONMENT	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	NA	0	1
HARBOR SEAL	CALIFORNIA	2013	8	2	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2013	8	3	HUMAN-INDUCED ABANDONMENT	KING COUNTY	WA	SI	MATERNAL SEPARATION; BOATERS HARASSED PUP; PUP WAS ABANDONED; ANIMAL TRANSFERRED TO REHAB; OUTCOME UNKNOWN.	SI	P14	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2013	8	3	HUMAN-INDUCED ABANDONMENT	KITSAP	WA	SI	PUP EUTHANIZED DUE TO ABANDONMENT AND INFECTION, BUT HARASSMENT MAY HAVE CONTRIBUTED TO ABANDONMENT	DEAD	P14	NA	0	1
HARBOR SEAL	S PUGET SOUND	2013	8	3	HUMAN-INDUCED ABANDONMENT	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	NA	0	1
HARBOR SEAL	OR/WA COAST	2013	8	3	SHOOTING	CLATSOP	OR	DEAD	EXCELLENT BODY CONDITION; BULLET HOLES; HEMORRHAGE; BROKEN BONES	DEAD	NA	NA	0	1
HARBOR SEAL	WA N 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	NA	1	1
HARBOR SEAL	WA N INLAND WATERS	2013	8	5	SHOOTING	WHATCOM	WA	DEAD	CARCASS; FRESH DEAD; APPEARED HEALTHY; FOUND BULLET HOLE BUT NO BULLET	DEAD	NA	NA	0	1
HARBOR SEAL	WA N 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	NA	0	0
HARBOR SEAL	S 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	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2013	8	9	HUMAN-INDUCED ABANDONMENT	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	NA	0	1
HARBOR SEAL	WA N 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	NA	0	1
HARBOR SEAL	S 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	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2013	8	30	HUMAN-INDUCED ABANDONMENT	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	NA	0	1
HARBOR SEAL	OR/WA COAST	2013	9	9	SHOOTING	DOUGLAS	OR	DEAD	ARROW RETRIEVED FROM CARCASS BY NOAA ENFORCEMENT AGENT	DEAD	NA	NA	0	1
HARBOR SEAL	WA N 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	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	WA N INLAND WATERS	2013	9	21	HUMAN-INDUCED ABANDONMENT	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	NA	0	1
HARBOR SEAL	WA N 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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
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 ASSOICATED 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	NA	0	1

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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	NA	0	1
HARBOR SEAL	WA N 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	NA	NA	0	0
HARBOR SEAL	WA N INLAND WATERS	2013	10	16	HARASSMENT/DOG ATTACK	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	NA	0	1
HARBOR SEAL	CALIFORNIA	2013	10	18	CAR COLLISION	MONTEREY	CA	DEAD	SECOND-HAND REPORT OF ANIMAL STRUCK BY CAR, PARTS COLLECTED.	DEAD	NA	NA	0	1
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	NA	0	0
HARBOR SEAL	OR/WA COAST	2013	11	22	SHOOTING	CURRY	OR	DEAD	WOUND TO FACE AND DAMAGE TO ORBIT STRONGLY SUGGEST GUNSHOT	DEAD	NA	NA	0	1
HARBOR SEAL	OR/WA COAST	2013	12	1	VESSEL STRIKE	LINCOLN	OR	DEAD	LIKELY VESSEL STRIKE OR SHOOTING; FIVE BROKEN RIBS WITH HEMORRHAGE	DEAD	NA	NA	0	1
HARBOR SEAL	WA N INLAND WATERS	2013	12	9	ENTRAPMENT	SNOHOMISH	WA	DEAD	FOUND IN TRIBAL HATCHERY CONTAINMENT AREA	DEAD	NA	NA	1	1
HARBOR SEAL	WA N 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	NA	0	1
HARBOR SEAL	S PUGET SOUND	2013	12	24	MARINE DEBRIS	THURSTON	WA	DEAD	FOUND WRAPPED IN ANCHOR LINE OF A BUOY.	DEAD	NA	NA	0	1
HUMPBACK WHALE	CA/OR/WA	2009	1	18	CA SWORDFISH DRIFT GILLNET FISHERY	SAN DIEGO	CA	SI (PRORATE)	ANIMAL ENTANGLED IN ACTIVE SWORDFISH DRIFT GILLNET; REPORT RECEIVED VIA MARINE MAMMAL AUTHORIZATION PROGRAM DATABASE; ANIMAL RELEASED FROM NET; UNDETERMINED AMOUNT OF TRAILING GEAR LEFT ON ANIMAL; FINAL STATUS UNKNOWN.	SI (PRORATE)	L10	0.75	1	1
HUMPBACK WHALE	CA/OR/WA	2009	8	14	UNIDENTIFIED FISHERY INTERACTION	HUMBOLDT	CA	DEAD	FLUKES MISSING; GROOVE IN SKIN ACROSS VENTRAL EDGE OF CAUDAL PEDUNCLE & PART WAY UP BOTH SIDES OF PEDUNCLE APPROXIMATELY 40 CENTIMETERS FROM SEVERED END, INDICATING ROPE ENTANGLEMENT; CARCASS EXAMINED BY HSU-VM.	DEAD	NA	NA	0	1
HUMPBACK WHALE	CA/OR/WA	2009	10	1	UNIDENTIFIED NET FISHERY	SANTA BARBARA	CA	SI	FREE-SWIMMING ANIMAL WITH BROWNISH NETTING WRAPPED AROUND LEFT PECTORAL FIN; REPORT RECEIVED VIA SWFSC ON SCENE DURING RESEARCH CRUISE; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN	SI (PRORATE)	L10	0.75	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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HUMPBACK WHALE	CA/OR/WA	2010	5	13	CRAB POT FISHERY	JEFFERSON	WA	SI	JUVENILE HUMPBACK WHALE ENTANGLED FROM HEAD TO FLUKES IN CRAB POT GEAR WITH ORANGE FLOATS SW OF DESTRUCTION ISLAND. VIDEO OF DISENTANGLEMENT ATTEMPT SHOWS WHALE TO BE RELATIVELY IMMOBILE AND UNABLE TO SWIM AND SURFACE NORMALLY, GEAR CONSTRICTING. DISENTANGLEMENT TEAM WAS ABLE TO REMOVE SOME GEAR FROM BODY AND FLUKES, BUT GEAR REMAINED ON FLIPPER. RADIO BEACON ATTACHED TO REMAINING GEAR TO ASSIST IN RELOCATING WHALE FOR ADDITIONAL DISENTANGLEMENT EFFORT. WHALE NOT RELOCATED. GEAR CONFIRMED BY WDFW AS WA COASTAL CRAB POT / TRAP GEAR.	SI	L2	1	1	1
HUMPBACK WHALE	CA/OR/WA	2010	6	19	CRAB POT FISHERY	CLALLAM	WA	SI (PRORATE)	35-40 FT. HUMPBACK WHALE WITH A YELLOW CRAB POT TRAILING BEHIND THE ANIMAL. ANIMAL OBSERVED FOR 15 MINUTES AND MOVING IN A NW DIRECTION AT 2 KNOTS.	SI (PRORATE)	L10	0.75	1	1
HUMPBACK WHALE	CA/OR/WA	2010	7	25	VESSEL STRIKE	MARIN	CA	DEAD	CARCASS WITH PROPELLER WOUNDS OBSERVED FLOATING.	DEAD	NA	NA	0	1
HUMPBACK WHALE	CA/OR/WA	2010	8	2	UNIDENTIFIED NET FISHERY	MONTEREY	CA	SI	GREEN FISH NETTING WRAPPED AROUND THE MID SECTION OF THE ANIMAL, CUTTING INTO THE FLESH. THE ENTANGLEMENT DID NOT SEEM TO BE AFFECTING THE WHALE'S ABILITY TO SWIM OR DIVE. NO RESPONSE EFFORT ATTEMPTED. EVIDENCE OF CONSTRICTING GEAR TIGHTLY WRAPPED AROUND ANIMAL.	SI	L2	1	0	1
HUMPBACK WHALE	CA/OR/WA	2010	8	16	CRAB POT FISHERY	LINCOLN	OR	DEAD	MULTIPLE CRAB BUOYS ATTACHED TO TAIL AND IT APPEARED TO BE ANCHORED BY THEM. CARCASS PHOTOGRAPHED	DEAD	NA	NA	1	1
HUMPBACK WHALE	CA/OR/WA	2010	8	17	CRAB POT FISHERY	MENDOCINO	CA	SI	LINES & BUOYS EXTENDING FROM CAUDAL PEDUNCLE; SIGHTING REPORTED BY U.S. COAST GUARD HELICOPTER CREW	SI (PRORATE)	L10	0.75	1	1
HUMPBACK WHALE	CA/OR/WA	2010	8	23	UNIDENTIFIED FISHERY INTERACTION	HUMBOLDT	CA	SI	ADULT HUMPBACK WHALE WITH AT LEAST 3 TIGHT WRAPS OF MODERATE GAUGE, GREEN LINE AROUND MIDBODY. NO BUOYS OR LINE SEEN TRAILING. ANIMAL HAS LINE SCAR FORWARD ACROSS BODY BEHIND BLOWHOLES. OVERALL CONDITION OF THE ANIMAL IS GOOD. NOT EMACIATED AND NO HEAVY CYAMID LOAD.	SI	L2	1	0	1
HUMPBACK WHALE	CA/OR/WA	2010	8	24	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	HUMPBACK WHALE TRAILING RED LINE SEEN DRAPED OVER ITS FLUKES. ENTANGLEMENT LIKELY ORIGINATES FROM MOUTH OR FLIPPER(S). NO BUOYS REPORTED.	SI (PRORATE)	L10	0.75	0	1
HUMPBACK WHALE	CA/OR/WA	2010	8	31	DUNGENESS CRAB POT FISHERY	COOS	OR	DEAD	CARCASS INITIALLY SEEN OFFSHORE, MULTIPLE YELLOW AND RED FLOATS ATTACHED. GEAR WAS IDENTIFIED AS OREGON DUNGENESS CRAB FISHERY GEAR FROM BUOY NUMBERS AFTER ANIMAL CAME ASHORE.	DEAD	NA	NA	1	1
HUMPBACK WHALE	CA/OR/WA	2011	5	8	VESSEL STRIKE	LOS ANGELES	CA	DEAD	ANIMAL STRUCK JUST FORWARD OF THE DORSAL FIN. ONLY 20 FT OF THE ANIMAL REMAINED AFTER THE PROPELLER CUT THE HEAD, PECTORAL FINS AND THORACIC CAVITY AWAY	DEAD	NA	NA	0	1
HUMPBACK WHALE	CA/OR/WA	2011	5	10	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MONTEREY	CA	SI (PRORATE)	3/8" GREEN LINE WRAPPED AROUND RIGHT PECTORAL FIN AT INSERTION; NO BODY WRAPS OBSERVED; 3 BUOYS INVOLVED IN ENTANGLEMENT; LINE TRAILS TO ~1 FT PAST FLUKES ENDING IN EITHER LOOP OR BITTER ENDS; GOOD BODY CONDITION (DARK SKIN, NO CYAMIDS); WHEEZY BLOWS; WITH OTHER ANIMALS; FEEDING, APPROACHING BOAT (CURIOUS); PARTIAL SELF-RELEASE; 2 BUOYS OBSERVED WITH 12-15 FT OF LINE FREE-FLOATING, NOT COLLECTED. NO CONFIRMATION THAT WHALE SHED ALL GEAR.	SI (PRORATE)	L10	0.75	1	1

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HUMPBACK WHALE	CA/OR/WA	2011	5	12	VESSEL STRIKE	CLATSOP	OR	NSI	A 38' SAILBOAT PARTICIPATING IN A RACE WAS STRUCK BY A BREACHING WHALE. RIGGING AND MAST WAS DAMAGED AND SKIN WAS LEFT BEHIND. SIZE OF WHALE ESTIMATED AT 30 FT. VESSEL WAS TRAVELLING APPROXIMATELY 9 KTS	NSI	L6C	0	0	0
HUMPBACK WHALE	CA/OR/WA	2011	7	16	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	SAN MATEO	CA	SI (PRORATE)	APPROX. 40' HUMPBACK WHALE WITH ROPES AND "CRAB POTS" WRAPPED AROUND THE FLUKES. ANIMAL ACTIVE AND SWIMMING NORTH, NO RESIGHT, NO RESPONSE	SI (PRORATE)	L10	0.75	1	1
HUMPBACK WHALE	CA/OR/WA	2011	8	14	CRAB POT FISHERY	GRAYS HARBOR	WA	SI	REPORTED TO USCG VIA WDFW SMALL WHALE ENTANGLED IN CRAB POTS WITH TWO OTHER WHALES SWIMMING AROUND. LAT 46 52 .417 LONG 124 32.453. JUVENILE TRAILING CRAB POTS - BELIEVED IT COULD NOT TRAVEL MUCH IF AT ALL. NO COLOR OF THE FLOATS OR WHERE ON THE BODY THEY WERE LOCATED. PHOTOS DO NOT SHOW GEAR BUT CONFIRM SPECIES.	SI	L2	1	1	1
HUMPBACK WHALE	CA/OR/WA	2011	8	25	CRAB POT FISHERY	SAN JUAN	WA	SI	ORIGINALLY SIGHTED IN BRITISH COLUMBIA ON JULY 31, 2011 WITH A RECREATIONAL CRAB POT GEAR LINE AND BUOY TRAILING 15-25 FEET BEHIND THE ANIMAL. HAD BEEN SEEN IN ACTIVE PASS AND OFF POINT ROBERTS BEFORE THIS SIGHTING. ANIMAL WAS REPORTED AS DETERIORATING IN CONDITION. SEEN ON AUGUST 25TH IN FALSE BAY OFF THE WEST SIDE OF SAN JUAN ISLAND. DISENTANGLEMENT EFFORT UNSUCCESSFUL. SERIOUS INJURY PRORATE VALUE OF 1 DUE TO DETERIORATING CONDITION.	SI	L10	1	1	1
HUMPBACK WHALE	CA/OR/WA	2011	10	1	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	SAN MATEO	CA	SI (PRORATE)	ENTANGLED IN "CRAB POTS"; ANIMAL HEADING SSE AT A FEW KNOTS; NO RESIGHTS, NO RESPONSE; FINAL OUTCOME UNKNOWN	SI (PRORATE)	L10	0.75	1	1
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	1	1
HUMPBACK WHALE	CA/OR/WA	2012	6	9	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	0	1
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	NA	0	1
MINKE WHALE	CA/OR/WA	2010	4	17	GILLNET FISHERY	MONTEREY	CA	SI (PRORATE)	ROPE & NETTING AROUND HEAD AREA	SI (PRORATE)	L10	0.75	1	1
MINKE WHALE	CA/OR/WA	2011	12	18	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	NSI	ANIMAL DISENTANGLED AND RELEASED WITHOUT TRAILING GEAR.	NSI	L3	NA	0	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	1	25	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	LIVE ANIMAL ON ESTABLISHED ELEPHANT SEAL ROOKERY; PACKING STRAP AROUND NECK; ADULT FEMALE WITH DEPENDENT PUP; UNABLE TO DISENTANGLE ADULT DUE TO PRESENCE OF THIS & OTHER PUPS; FINAL STATUS UNKNOWN	SI	P8A	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	2009	2	6	HOOK AND LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK WITH ATTACHED LINE & SINKERS IN LEFT REAR FLIPPER; ANOTHER FISH HOOK EMBEDDED JUST ABOVE RIGHT EYE; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = GASTROINTESTINAL PARASITISM)	DEAD	P5B	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	2	15	HOOK AND LINE FISHERY	MONTEREY	CA	SI	MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO INTRASPECIES TRAUMA & OSTEOMYELITIS IN REAR FLIPPER BONES; NECROPSY REVEALED FISH HOOK & ATTACHED LINE IN STOMACH)	DEAD	P2	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	3	10	LOBSTER TRAP ENTANGLEMENT	VENTURA	CA	SI	ANIMAL ENTANGLED IN LOBSTER TRAP GEAR; ROPE & BUOY WRAPPED AROUND ANIMAL'S NECK; 75 FEET OF ROPE EXTENDING FROM ANIMAL TO TRAP; GEAR TYPE CONFIRMED BY OWNER; NON-FATAL INJURY (ANIMAL DISENTANGLED ON SITE & RELEASED)	NSI	P7B	NA	1	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	3	27	MARINE DEBRIS	LOS ANGELES	CA	SI	PLASTIC TRASH BAG WRAPPED AROUND HEAD; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA	0	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	4	22	MARINE DEBRIS	LOS ANGELES	CA	NSI	FISH HOOK IN BACK; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED SEVERAL PIECES OF SMALL, IRREGULAR-SHAPED, HARD, WHITE, SHARP-EDGED FOREIGN SUBSTANCES SIMILAR TO HARD PLASTIC IN STOMACH)	DEAD	P2	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	5	13	MARINE DEBRIS	SAN DIEGO	CA	DEAD	MONOFILAMENT LINE-LIKE LINEAR LACERATION EXTENDING INTO MUSCLE ON VENTRUM NEAR FLIPPERS; CARCASS EXAMINED BY SWFSC.	DEAD	NA	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	5	16	POWER PLANT ENTRAINMENT	VENTURA	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	5	30	MARINE DEBRIS	SAN MATEO	CA	SI	GREEN PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA	0	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	6	14	HOOK AND LINE FISHERY	COOS	OR	SI	FISH HOOK WAS IN THE GUM ABOVE THE RIGHT CANINE TOOTH. TRANSPORTED TO CAPTIVE DISPLAY FACILITY.	NSI	P5C	NA	0	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	8	28	LIMITED ENTRY TRAWL BOTTOM TRAWL	OFFSHORE	OR	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	9	23	HOOK AND LINE FISHERY	KING	WA	NSI	ANIMAL HAULED OUT FROM 9/18-9/21. SHE IS A HEALTHY JUVENILE NES WITH NO FISHERY INTERACTION AT THAT TIME. ONE 9/23 SHE WAS REPORTED TO SEATTLE PD WITH A HOOK AND LINE WITH A FISH ON IT. WDFW RESPONDED AND REMOVED THE HOOK AND LINE WITH A CATCH POLE. ANIMAL WAS DEEMED HEALTHY AND IT WENT BACK INTO THE WATER LATER THAT EVENING.	NSI	P5C	NA	0	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	9	24	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	LIVE ANIMAL ON ESTABLISHED ELEPHANT SEAL ROOKERY; WHITE PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA	0	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	9	28	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	OR	DEAD	AT-SEA HAKE OBSERVER PROGRAM	DEAD	NA	NA	1	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	10	24	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	LIVE ANIMAL IN ESTABLISHED ELEPHANT SEAL ROOKERY; WHITE PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA	0	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2009	11	23	GILLNET FISHERY	MARIN	CA	SI	LIVE ANIMAL ON ESTABLISHED ELEPHANT SEAL ROOKERY; GILLNET FRAGMENT AROUND NECK; UNABLE TO RESCUE DUE TO PROXIMITY TO OTHER ANIMALS ON ROOKERY; FINAL STATUS UNKNOWN	SI	P8A	NA	1	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2010	2	2	SHOOTING	PACIFIC	WA	SI	SEAL REPORTED ALIVE ON THE BEACH IN DISTRESS ON 2/2/10. WDFW RESPONDED, BULLET FOUND IN LOWER BRAIN CAVITY.	DEAD	P9	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2010	2	2	SHOOTING	PACIFIC	WA	DEAD	BULLET FOUND IN BRAIN CAVITY	DEAD	NA	NA	0	1

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NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2010	2	28	HUMAN-INDUCED ABANDONMENT	SANTA CRUZ	CA	SI	ILLEGAL REMOVAL FROM BEACH. PUP FOUND IN A LAUNDRY ROOM ON A DOG BED, TAKEN INTO REHAB, TREATED AND RELEASED.	SI	P14	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2010	3	31	POWER PLANT ENTRAINMENT	VENTURA	CA	DEAD	FOUND IN POWER STATION'S INTAKE TAKE	DEAD	NA	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2010	5	8	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	CA	SI	TANGLED IN GROUNDLINE. STRUGGLED FREE AS ANIMAL NEARED THE SURFACE. SWAM AWAY SLOWLY, ANIMAL SEEN TO TAKE A BREATH AT THE SURFACE. SOME SCRATCHES ON THE TORSO FROM THE LINE. DESIGNATED AS SERIOUS INJURY AS AMOUNT OF TIME ENTANGLED UNDERWATER IS UNKNOWN.	SI	P7B	NA	1	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2010	5	9	MARINE DEBRIS	MONTEREY	CA	SI	PLASTIC LODGED IN THROAT. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	NA	0	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2010	8	26	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	OR	DEAD	AT-SEA HAKE OBSERVER PROGRAM	DEAD	NA	NA	1	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2010	10	6	MARINE DEBRIS	SAN MATEO	CA	SI	WIDE BLACK FLEXIBLE RUBBER BAND/BELT 1 1/4" WIDE X 32" LONG X 1/4 CM THICK) WRAPPED AROUND NECK. GOOD BODY CONDITION, ENTANGLEMENT WAS SLIPPED OVER HEAD WITHOUT CUTTING BAND. DISENTANGLED BY VETERINARIAN RESEARCH TEAM	NSI	P7B	NA	0	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2010	10	22	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	OR	DEAD	AT-SEA HAKE OBSERVER PROGRAM	DEAD	NA	NA	1	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2011	1	20	MARINE DEBRIS	MARIN	CA	SI	ANIMAL ENTANGLED IN 1/2" ROPE NETTING AROUND NECK. DISENTANGLED, IMMEDIATE RELEASE ON SITE.	NSI	P7B	NA	0	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2011	3	21	CATCH SHARES HOOK & LINE	OFFSHORE	OR	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2011	3	25	CATCH SHARES HOOK & LINE	OFFSHORE	OR	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2011	4	3	SCIENTIFIC RESEARCH	SAN MATEO	CA	DEAD	ANIMAL DIED UNDER ANAESTHESIA	DEAD	NA	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2011	4	8	TAR	ORANGE	CA	SI	UNDERWEIGHT ANIMAL WITH TAR ON MUZZLE AND EYE. TAKEN INTO REHAB CENTER FOR TREATMENT	SI	P9	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2011	6	26	CATCH SHARES BOTTOM TRAWL	OFFSHORE	WA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2011	7	19	SHORESIDE HAKE MIDWATER TRAWL	OFFSHORE	OR	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2011	11	8	MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	ENTANGLED WITH GREEN PACKING STRAP AROUND NECK, MILDLY UNDERWEIGHT. VETERINARY STAFF DISENTANGLED AND IMMEDIATELY RELEASED AT STRANDING SITE	SI	P1, P7B	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	1	1	SHOOTING	PACIFIC	WA	DEAD	A BULLET HOLE WITH ASSOC. HEMORRHAGE AT STERNUM.	DEAD	NA	NA	0	1
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	NA	0	0
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	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	3	26	TAR	ORANGE	CA	SI	MALNUTRITION, DEHYDRATION, TAR ON RIGHT SIDE OF FACE. TAKEN INTO REHAB, TREATED AND RELEASED. TAGGED WITH ROTOTAG #22335.	NSI	P9	NA	0	0
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	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	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	NA	0	0
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	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	9	6	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	CA	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2012	10	12	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	OR	DEAD	AT-SEA HAKE OBSERVER PROGRAM	DEAD	NA	NA	1	1
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.	NSI	P9	NA	0	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	2	10	MARINE DEBRIS	NA	CA	NSI	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	P7B	NA	0	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	2	28	HARASSMENT	MONTEREY	CA	NSI	HARASSMENT, MALNUTRITION.	NSI	P9	NA	0	0
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	3	21	HUMAN-INDUCED ABANDONMENT	MONTEREY	CA	SI	HARASSED BY PEOPLE AND DOGS, EMACIATED, MATERNAL SEPARATION.	SI	P14	NA	0	1
NORTHERN ELEPHANT SEAL	CALIFORNIA BREEDING	2013	3	27	HUMAN-INDUCED ABANDONMENT	SANTA CRUZ	CA	NSI	HARASSED BY PEOPLE AND DOGS, EMACIATED, MATERNAL SEPARATION.	SI	P14	NA	0	1
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	NA	0	0
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	NA	0	0
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	NA	0	0
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	NA	0	1
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	NA	0	0
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	NA	0	0
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	NA	0	0

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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	NA	0	0
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. STOPPED THE VESSEL AS SOON AS ANIMAL BECAME VISIBLE AND BROUGHT THE ANIMAL CLOSER TO THE BOAT TO GET A PHOTO AND ATTEMPT TO DEHOOK. ANIMAL WAS STRUGGLING AND FOR THE SAFETY OF THE VESSEL AND THE ANIMAL, WE CUT THE LINE. THE ENTIRE INTERACTION LASTED FOR 1-2 MINUTES. UNABLE TO DEHOOK FOR SAFETY REASONS. CUT THE LINE BELOW THE WEIGHT, LEAVING THE HOOK, APPROX. 9 M MONO WITH THE LIGHTSTICK ATTACHED. APPROX. 37 43 N AND 129 59 W.	SI	P5A	NA	1	1
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	NA	1	1
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	NA	0	1
NORTHERN FUR SEAL	CALIFORNIA	2009	2	1	UNIDENTIFIED NET FISHERY	CLATSOP	OR	DEAD	CARCASS; NET ENTANGLEMENT; EMACIATED, HEAVY BRUISING ON VENTRAL THORAX AND ABDOMEN.	DEAD	NA	NA	0	1
NORTHERN FUR SEAL	CALIFORNIA	2009	4	7	MARINE DEBRIS	LINCOLN	OR	DEAD	ONE OF THREE FUR SEALS FOUND IN BLUE LARGE MESH NET ON BEACH. NET IDENTIFIED AS BEING CHINESE IN ORIGIN.	DEAD	NA	NA	0	1
NORTHERN FUR SEAL	CALIFORNIA	2009	4	7	MARINE DEBRIS	LINCOLN	OR	DEAD	ONE OF THREE FUR SEALS FOUND IN BLUE LARGE MESH NET ON BEACH. NET IDENTIFIED AS BEING CHINESE IN ORIGIN.	DEAD	NA	NA	0	1
NORTHERN FUR SEAL	CALIFORNIA	2009	4	7	MARINE DEBRIS	LINCOLN	OR	DEAD	ONE OF THREE FUR SEALS FOUND IN BLUE LARGE MESH NET ON BEACH. NET IDENTIFIED AS BEING CHINESE IN ORIGIN.	DEAD	NA	NA	0	1
NORTHERN FUR SEAL	CALIFORNIA	2009	5	25	SCIENTIFIC RESEARCH	UNKNOWN	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA	0	1
NORTHERN FUR SEAL	CALIFORNIA	2011	4	8	TRAWL FISHERY (UNKNOWN)	LINCOLN	OR	DEAD	CARCASS; PLASTIC PACKING BAND CUTTING INTO NECK; OBVIOUS DAMAGE TO SKIN, BLUBBER, AND MUSCLE; ENTANGLED IN GREENISH TRAWL NET	DEAD	NA	NA	0	1
NORTHERN FUR SEAL	CALIFORNIA	2011	6	22	TRAWL FISHERY (UNKNOWN)	PACIFIC	WA	DEAD	CARCASS; GREEN MULTIFILAMENT NET (LIKELY FROM TRAWL NET) WRAPPED AROUND NECK	DEAD	NA	NA	0	1
NORTHERN FUR SEAL	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	NA	0	0
NORTHERN FUR SEAL	CALIFORNIA	2012	5	28	POWER PLANT ENTRAINMENT	SAN LUIS OBISPO	CA	DEAD	CARCASS DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA	0	1
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	NA	0	1
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	NA	0	0
NORTHERN RIGHT WHALE DOLPHIN	CA/OR/WA	2010	12	6	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
NORTHERN RIGHT WHALE DOLPHIN	CA/OR/WA	2011	10	27	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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 RIGHT WHALE DOLPHIN	CA/OR/WA	2012	1	8	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
NORTHERN RIGHT WHALE DOLPHIN	CA/OR/WA	2013	11	25	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
NORTHERN RIGHT WHALE DOLPHIN	CA/OR/WA	2013	11	25	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2009	5	1	SCIENTIFIC RESEARCH	LOS ANGELES	CA	SI	1 OF 3 ANIMALS THAT SWAM INTO COLLAPSED FRONT PORTION OF NET DURING HAULBACK; ANIMAL BECAME ENSNARED IN NET, BROUGHT ABOARD NMFS RESEARCH VESSEL, CUT OUT OF NET & RELEASED; LESS THAN 2 MINUTE TURN AROUND TIME FROM NET TO RELEASE	SI	S4	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2009	5	1	SCIENTIFIC RESEARCH	LOS ANGELES	CA	SI	1 OF 3 ANIMALS THAT SWAM INTO COLLAPSED FRONT PORTION OF NET DURING HAULBACK; ANIMAL BECAME ENSNARED IN NET, BROUGHT ABOARD NMFS RESEARCH VESSEL, CUT OUT OF NET & RELEASED; LESS THAN 2 MINUTE TURN AROUND TIME FROM NET TO RELEASE	SI	S4	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2009	5	1	SCIENTIFIC RESEARCH	LOS ANGELES	CA	SI	1 OF 3 ANIMALS THAT SWAM INTO COLLAPSED FRONT PORTION OF NET DURING HAULBACK; ANIMAL BECAME ENSNARED IN NET, BROUGHT ABOARD NMFS RESEARCH VESSEL, CUT OUT OF NET & RELEASED; LESS THAN 2 MINUTE TURN AROUND TIME FROM NET TO RELEASE	SI	S4	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2009	5	23	SCIENTIFIC RESEARCH	TILLAMOOK	OR	DEAD	ANIMAL CAUGHT IN RESEARCH TRAWL, CARCASS DISPOSED AT SEA	DEAD	NA	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2009	5	23	SCIENTIFIC RESEARCH	TILLAMOOK	OR	DEAD	ANIMAL CAUGHT IN RESEARCH TRAWL, CARCASS DISPOSED AT SEA	DEAD	NA	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2009	10	7	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2009	10	7	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2010	4	18	SCIENTIFIC RESEARCH	MONTEREY	CA	SI	ANIMAL CAUGHT IN RESEARCH TRAWL, TRAWL BROUGHT ON DECK, ANIMAL RELEASED AT SEA. SERIOUS INJURY S4 BECAUSE ANIMAL WAS REMOVED FROM WATER AND BROUGHT ON DECK.	SI	S4	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2010	4	25	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	ANIMAL CAUGHT IN RESEARCH TRAWL, CARCASS DISPOSED AT SEA	DEAD	NA	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2010	9	10	SCIENTIFIC RESEARCH	MENDOCINO	CA	DEAD	ANIMAL BECAME ENTANGLED IN COD END OF MID-WATER TRAWL AFTER THE SET WHEN THE NET WAS BEING BROUGHT ABOARD THE VESSEL	DEAD	NA	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2011	4	3	SCIENTIFIC RESEARCH	SANTA CRUZ	CA	DEAD	ANIMAL CAUGHT IN RESEARCH TRAWL, CARCASS DISPOSED AT SEA	DEAD	NA	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2011	9	10	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2011	9	10	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2011	9	10	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2011	9	10	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2011	9	10	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	NA	0	1
PACIFIC WHITE-SIDED DOLPHIN	CA/OR/WA	2011	9	10	SCIENTIFIC RESEARCH	OFFSHORE	CA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD	NA	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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	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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	1
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	NA	0	0
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	NA	0	0
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	NA	0	1
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	NA	0	1
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	NA	0	1
RISSO'S DOLPHIN	CA/OR/WA	2010	1	22	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	DEAD	MULTIPLE PARALLEL LACERATIONS	DEAD	NA	NA	0	1
RISSO'S DOLPHIN	CA/OR/WA	2011	9	29	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	0	1
SPERM WHALE	CA/OR/WA	2010	4	7	OPEN ACCESS FIXED GEAR HOOK & LINE	OFFSHORE	OR	NSI	ONE OF TWO SPERM WHALES FEEDING ON CATCH OFF THE GROUNDLINE OF AN OA SABLEFISH VESSEL. VESSEL USED AIR HORN TO TRY AND DETER. DETERRENCE WAS NOT SUCCESSFUL.	NSI	L3	NA	0	0
SPERM WHALE	CA/OR/WA	2010	4	7	OPEN ACCESS FIXED GEAR HOOK & LINE	OFFSHORE	OR	NSI	ONE OF TWO SPERM WHALES FEEDING ON CATCH OFF THE GROUNDLINE OF AN OA SABLEFISH VESSEL. VESSEL USED AIR HORN TO TRY AND DETER. DETERRENCE WAS NOT SUCCESSFUL.	NSI	L3	NA	0	0

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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SPERM WHALE	CA/OR/WA	2010	12	5	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	SI	ONE OF TWO WHALES ENTANGLED IN A SWORDFISH DRIFT GILLNET. ONE WHALE WAS DEAD. FISHERY OBSERVER INDICATED THAT THE SECOND WHALE WAS RELEASED WITH NETTING AND PHOTOS WERE TAKEN. PHOTOS OF THE INJURED WHALE SHOW AN ANIMAL ON ITS SIDE, NOT IN A NORMAL BREATHING OR SWIMMING POSTURE.	SI	L2	1	1	1
SPERM WHALE	CA/OR/WA	2010	12	5	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	ONE OF TWO WHALES ENTANGLED IN A SWORDFISH DRIFT GILLNET. ONE WHALE WAS DEAD. FISHERY OBSERVER INDICATED THAT THE SECOND WHALE WAS RELEASED WITH NETTING AND PHOTOS WERE TAKEN. PHOTOS OF THE INJURED WHALE SHOW AN ANIMAL ON ITS SIDE, NOT IN A NORMAL BREATHING OR SWIMMING POSTURE.	DEAD	NA	NA	1	1
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	NA	0	1
STRIPED DOLPHIN	CA/OR/WA	2011	3	12	UNIDENTIFIED FISHERY INTERACTION	LINCOLN	OR	DEAD	CARCASS CUT OPEN ALONG DORSUM, SMALL CUTS AT AXILLA AND PECTORAL FLIPPER	DEAD	NA	NA	0	1
COMMON DOLPHIN, UNIDENTIFIED	CA/OR/WA	2009	7	29	VESSEL STRIKE	SAN DIEGO	CA	DEAD	PROPELLER-LIKE 28 CENTIMETER LONG "S" SHAPED WOUND ALONG RIGHT DORSUM EXTENDING INTO BODY CAVITY, SEVERING SPINE & 11 RIBS; CARCASS EXAMINED BY SWFSC	DEAD	NA	NA	0	1
COMMON DOLPHIN, UNIDENTIFIED	CA/OR/WA	2009	10	25	UNIDENTIFIED NET FISHERY	SAN DIEGO	CA	DEAD	GAFF-LIKE 3 CENTIMETER LONG INCISION IN THROAT REGION; STOMACH FULL OF FISH; CARCASS EXAMINED BY SWFSC	DEAD	NA	NA	0	1
UNIDENTIFIED OTARIID	NA	2010	5	29	AT-SEA HAKE PELAGIC TRAWL	OFFSHORE	OR	DEAD	AT-SEA HAKE OBSERVER PROGRAM	DEAD	NA	NA	1	1
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	NA	0	1
UNIDENTIFIED PINNIPED	NA	2009	8	1	SHOOTING	NA	NA	SI	REPORT OF LIVE SEA LION SHOT IN THE HEAD WITH A .410 SLUG WHILE HAULED OUT ON A BUOY	SI	P9	NA	0	1
UNIDENTIFIED PINNIPED	NA	2009	9	18	GILLNET FISHERY, TRIBAL	NA	NA	DEAD	CARCASS; CAUGHT IN TRIBAL NET	DEAD	NA	NA	1	1
UNIDENTIFIED PINNIPED	NA	2010	1	16	MARINE DEBRIS	NA	NA	SI	LIVE ANIMAL ENTANGLED IN LIGHT COLORED ROPE	SI	P6	NA	0	1
UNIDENTIFIED PINNIPED	NA	2010	4	7	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	SHOTS FIRED NEAR PINNIPED TO DETER IT FROM FEEDING ON CATCH.	NSI	P9	NA	0	0
UNIDENTIFIED PINNIPED	NA	2010	6	11	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	ANIMAL ENTRAINED IN CIRCULATING WATER SCREEN BAY (ENTERED THROUGH INTAKE TUNNEL)	DEAD	NA	NA	0	1
UNIDENTIFIED PINNIPED	NA	2010	7	16	UNIDENTIFIED NET FISHERY	NA	NA	SI	REPORT OF LIVE ANIMAL WITH NET AROUND ITS HEAD AND NECK	SI	P8A	NA	0	1
UNIDENTIFIED PINNIPED	NA	2010	8	5	BLUNT FORCE TRAUMA	NA	NA	SI	SEA LION BLUDGEONED AT SEA BY RECREATIONAL FISHERMEN	SI	P9	NA	0	1
UNIDENTIFIED PINNIPED	NA	2010	9	2	UNIDENTIFIED NET FISHERY	NA	NA	SI	LIVE SEAL ENTANGLED IN NET; RELEASED BY PUBLIC BEFORE RESPONDERS ARRIVED	SI	P7B	NA	0	1
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	NA	0	1
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	NA	0	1
UNIDENTIFIED PINNIPED	NA	2012	8	24	CRAB POT FISHERY	LINCOLN	OR	SI	LIVE ANIMAL, SWIMMING JUST OFFSHORE, ENTANGLED IN CRAB GEAR (BUOY AND LINE VISIBLE)	SI	P6	NA	1	1
UNIDENTIFIED PORPOISE	NA	2009	7	15	CRAB POT FISHERY	NA	NA	DEAD	SKULL (POSSIBLY HARBOR PORPOISE) FOUND IN DERELICT CRAB GEAR	DEAD	NA	NA	1	1
UNIDENTIFIED SEA LION	NA	2010	6	5	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	DETERRENCE USED. THE CAPTAIN SPOTTED A SEA LION OFF THE STARBOARD SIDE OF THE VESSEL WHILE HAULING LONGLINE GEAR AND QUICKLY FIRED A SHOT AT IT TO SCARE IT AWAY. I BRIEFLY CAUGHT A GLIMPSE OF THE ANIMAL AS IT LEFT. I DID NOT COME BACK.	NSI	P9	NA	0	0
UNIDENTIFIED SEA LION	NA	2011	4	12	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	DEAD	NWFSC GROUNDFISH OBSERVER PROGRAM	DEAD	NA	NA	1	1

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UNIDENTIFIED SEA LION	NA	2011	5	2	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	CA	NSI	DETERRENCE USED. DURING HAULBACK OF SABLEFISH LONGLINE, ONE OF THE CREW SPOTTED A SEA LION AND FIRED A SHOT AT IT TO SCARE IT AWAY.	NSI	P9	NA	0	0
UNIDENTIFIED SEA LION	NA	2011	9	23	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	A SEA LION WAS FEEDING ON CATCH DURING RETRIEVAL OF LONGLINE GEAR. THE SKIPPER HAD ONE OF THE CREW THROW A BOMB AS A DETERRENCE. I ONLY BRIEFLY CAUGHT A GLIMPSE OF THE ANIMAL SWIMMING UNDERWATER AND COULD NOT TELL IF IT WAS A STELLER OR A CALIFORNIA SEA LION	NSI	P9	NA	0	0
UNIDENTIFIED SEA LION	NA	2011	9	23	LIMITED ENTRY SABLEFISH HOOK & LINE	OFFSHORE	OR	NSI	THE SKIPPER SAW A SEA LION FEEDING ON CATCH DURING RETRIEVAL OF LONGLINE GEAR. I DID NOT GET A GOOD LOOK AT THE ANIMAL. ONE OF THE CREW THREW A SEAL BOMB AT IT AS A DETERRENCE.	NSI	P9	NA	0	0
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	NA	0	0
UNIDENTIFIED SEAL	NA	2011	12	15	CATCH SHARES BOTTOM TRAWL	OFFSHORE	OR	SI	SEAL CAUGHT BY NET. CAME UP ALIVE AND BLEEDING FROM CHEST. CREW YELLED AT IT AND SCARED IT OFF. INJURIES UNKNOWN SEVERITY. DESIGNATED AS SERIOUS INJURY BECAUSE OF VISIBLE BLOOD LOSS.	SI	P3, P7B	NA	1	1
UNIDENTIFIED WHALE	NA	2009	3	19	UNIDENTIFIED FISHERY INTERACTION	MENDOCINO	CA	SI (PRORATE)	FREE-SWIMMING ANIMAL TOWING UNIDENTIFIED FISHING GEAR; REPORT RECEIVED VIA PRIVATE CITIZEN; ANIMAL DESCRIBED AS ENTANGLED IN BUOYS & NETS; USCG CONDUCTED AERIAL SURVEY OF AREA BUT COULD NOT LOCATE ENTANGLED ANIMAL; FINAL STATUS UNKNOWN	SI (PRORATE)	L10	0.75	0	1
UNIDENTIFIED WHALE	NA	2009	7	12	UNIDENTIFIED NET FISHERY	LOS ANGELES	CA	SI	FREE-SWIMMING ANIMAL TOWING UNIDENTIFIED NET GEAR & BUOYS; REPORT RECEIVED VIA USCG, ANIMAL DESCRIBED AS BLUE WHALE; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN	SI	L10	0.75	0	1
UNIDENTIFIED WHALE	NA	2010	3	24	UNIDENTIFIED FISHERY INTERACTION	SONOMA	CA	SI	TOWING 30 FEET OF TRAILING LINE & 2 GREEN & WHITE BUOYS; UNIDENTIFIED FISHERY. FREE-SWIMMING ENTANGLED WHALE REPORTED BY MEMBER OF PUBLIC; NO RESCUE EFFORT INITIATED; NO RESIGHTINGS REPORTED; FINAL STATUS UNKNOWN	SI	L10	0.75	0	1
UNIDENTIFIED WHALE	NA	2010	3	29	VESSEL STRIKE	LOS ANGELES	CA	SI	COMMERCIAL ISLAND PASSENGER TRANSPORT CATAMARAN VESSEL, 37 METERS LONG DOING 28 KNOTS, COLLIDED WITH FREE-SWIMMING ANIMAL; NO BLOOD OBSERVED IN WATER; COLLISION DISLODGED VESSEL'S STARBOARD T-FOIL; FINAL STATUS UNKNOWN	SI	L6A	1	0	1
UNIDENTIFIED WHALE	NA	2010	4	8	UNIDENTIFIED FISHERY INTERACTION	MARIN	CA	SI (PRORATE)	ROPE WRAPPED AROUND CAUDAL PEDUNCLE; UNIDENTIFIED FISHERY	SI (PRORATE)	L10	0.75	0	1
UNIDENTIFIED WHALE	NA	2010	5	2	UNIDENTIFIED FISHERY INTERACTION	SANTA BARBARA	CA	SI	ANIMAL ENTANGLED IN ROPE. ANIMAL THRASHING AT SURFACE; NO RESCUE EFFORT INITIATED; NO RESIGHTINGS REPORTED; FINAL STATUS UNKNOWN	SI	L10	0.75	0	1
UNIDENTIFIED WHALE	NA	2010	7	7	UNIDENTIFIED FISHERY INTERACTION	SANTA BARBARA	CA	SI	ANIMAL TOWING NET-LIKE MATERIAL; SIGHTING REPORTED BY OIL PLATFORM WORKERS, FREE-SWIMMING; NO RESCUE EFFORT INITIATED; NO RESIGHTINGS REPORTED; FINAL STATUS UNKNOWN	SI	L10	0.75	0	1
UNIDENTIFIED WHALE	NA	2010	10	13	UNIDENTIFIED FISHERY INTERACTION	SAN FRANCISCO	CA	SI	TOWING ORANGE BUOY. WHALE SIGHTED FROM SHORE USING BINOCULARS. APPEARED TO BE FREE-SWIMMING AND DIVING; NO RESIGHTS; FINAL STATUS UNKNOWN	SI	L10	0.75	0	1
UNIDENTIFIED WHALE	NA	2011	7	16	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI	FREE-SWIMMING ENTANGLED WHALE IN UNKNOWN GEAR	SI	L10	0.75	0	1
UNIDENTIFIED WHALE	NA	2011	8	20	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	SNOHOMISH	WA	SI (PRORATE)	WHALE TRAILING A RED AND WHITE BUOY OFF THE RIGHT SIDE. DID NOT SEE ANY LINES WRAPPED AROUND THE BODY.	SI (PRORATE)	L10	0.75	1	1

Appendix 4. Records of human-related injury and mortality, 2009-2013.

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
UNIDENTIFIED WHALE	NA	2011	9	5	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	LINCOLN	OR	SI	ENTANGLED LARGE WHALE ABOUT 6 NM NW OF YAQUINA BAY. IT WAS OBSERVED BY FISHERMAN WHO LOST SIGHT OF IT IN FOG AND INCREASINGLY CHOPPY SEAS; REPORTED SEEING A LARGE WHALE (FLUKES ABOUT 6-7 FEET WIDE) WITH TWO BUOYS ATTACHED TO IT: ONE RED AND WHITE NEAR ANIMAL'S MID-SECTION AND ONE WHITISH CLOSER TO THE TAIL OR DORSAL "RIDGE" AREA; ANIMAL WAS SEEN DIVING (WITH FLUKES UP) AND THEN REAPPEARING JUST BELOW THE SURFACE.	SI	L10	0.75	1	1
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	NA	0	1
UNIDENTIFIED WHALE	NA	2013	8	23	UNIDENTIFIED NET FISHERY OR UNIDENTIFIED POT/TRAP FISHERY	CURRY	OR	SI	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	L10	0.75	1	1