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JULY 2013

SOURCES OF HUMAN-RELATED INJURY AND MORTALITY FOR U. S. PACIFIC WEST COAST MARINE MAMMAL STOCK ASSESSMENTS, 2007-2011

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U. S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
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Sources of human-related injury and mortality for U.S. Pacific west coast marine mammal stock assessments, 2007-2011.

James V. Carretta¹, Sarah M. Wilkin², Marcia Muto³ and Kristin Wilkinson⁴

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 recognizing 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, which uses guidance from previous SI 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 (NOAA 2012, Moore *et al.* 2013).

This report contains records of human-caused injury and mortality to pinnipeds and cetaceans from 2007 to 2011, 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.* 2013). Mortality records, while included, were obviously not evaluated for SI/NSI status. Subsistence and directed takes are not reported here but are reported in SARs published by NMFS.

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 working in these same areas. 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.* This report covers the 5-year period of 2007 to 2011, which includes injury and mortality data used in preparation of draft 2013 Pacific marine mammal stock assessments. 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 and not included in this report (Allen and Angliss

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2013). Injury determinations for Pacific region species/stocks in the central Pacific from Hawaii westward are also included in separate reports.

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, which often involve examination of carcasses in challenging environments that makes thorough examination 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 unequivocal or probable 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 their records are included in NMFS stranding databases, bycatch reports (Breiwick *in prep.*, Carretta and Enriquez 2009a, 2009b, 2010, 2012a, 2012b), 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 2012 and Appendices 1-3). Injury determinations include 803 records for the period 2007 to 2011. Both *initial* and *final* injury determinations are given for each record. For example, a pinniped entangled in a 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 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 frequently are caught in marine debris or fishing nets, and some of these animals also show evidence of gunshot wounds. In cases where multiple causes of injury or death were 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 prorated’) 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 (NOAA 2012). 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 (NOAA 2012). 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 a SI prorated value of 1.0). An example of calculating annual human-caused SI and mortality for large whales as part of the SAR process might include 10 documented vessel strike lacerations of large whales of unknown severity, where the vessel’s size and speed are unknown. Ten large whales with lacerations of unknown severity are counted as $10 \times 0.52 = 5.2$ cases of SI. If one of these cases were confirmed as a deep laceration, then the calculation would be $9 \times 0.52 = 4.7 + 1.0 = 5.7$ cases of SI.

Results

A total of 1,488 human-related injury and mortality records are summarized by anthropogenic source in Table 1 and Appendix 4. Nearly 85% of all records represent opportunistic reports of animals stranded on beaches or at-sea sightings (Table 1 and Appendix 4). Only 229 records were derived from systematic observations, either fishery observer programs (n=153) or monitored research-related activities (n=76). Approximately 45% (n=684) of all records involved animals initially found dead (Table 2). Pinnipeds (n=1,207) were most commonly injured or killed by human-related activities, followed by small cetaceans (n=163) and large whales (n=118) (Tables 3-5, respectively). Live animals accounted for 804 records, which were evaluated and assigned SI/NSI determinations, including 714 pinnipeds, 80 large whales, and 10 small cetaceans.

The primary causes of pinniped injury and mortality were recreational hook and line fishery interactions (n=318), shootings (n=194), and entrainment into power plant water intakes (n=175) (Tables 3 and 6, Appendix 4). Excluding animals initially found dead, pinniped injury records included California sea lions (*Zalophus californianus*) (n=597), harbor seals (*Phoca vitulina*) (n=76), northern elephant seals (*Mirounga angustirostris*) (n=27), Guadalupe fur seals (*Arctocephalus townsendi*) (n=9), and northern fur seals (*Callorhinus ursinus*) (n=5) (Table 2). Most pinniped injury cases involved human intervention and treatment, either in the field or through capture and subsequent care at a rehabilitation facility. Many pinnipeds (n=264) were successfully treated and released from rehabilitation facilities, and it is assumed that they survived following treatment. Therefore their final injury assessments are NSI. 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=89), while others were sent to public display facilities (n=6) because their existing post-treatment condition made survival in the wild unlikely. Including the 89 euthanized pinnipeds, 265 died of their injuries. Pinniped records lacking detail regarding whether the animal was released following rehabilitation facility care

were determined to be seriously injured (n=24). Initial NSI determinations were made for 158 pinnipeds, of these, 24 (15%) later died (Table 7a), which reflects that some pinniped injuries are misclassified because the severity of injuries are not fully realized until post-mortem examination (see Discussion).

A total of 118 large whale injury and mortality records were reviewed (Table 4). Of these, 38 were dead and the remaining 80 records were assessed for NSI/SI. Vessel strikes were the most common form of injury to gray, blue (*Balaenoptera musculus*), and fin whales (*Balaenoptera physalus*), while entanglement in pot/trap fisheries was the most common source of injury to humpback whales (*Megaptera novaeangliae*) (Table 6). Injured large whales included humpback whales (n=27), gray whales (n=23), unidentified whales (n=20), fin whales (n=4), minke whales (*Balaenoptera acutorostrata*) (n=2), sperm whale (*Physeter macrocephalus*) (n=2), Bryde's whale (*Balaenoptera edeni*) (n=1) and blue whale (n=1) (Table 2), with vessel strikes and entanglement related injuries being the leading causes of SI and mortality (Table 6). Of 80 large whales evaluated for NSI/SI, 62 cases were fishery-related entanglements, 17 cases involved vessel strikes, and one involved entanglement in marine debris. Only a small fraction of the 62 entanglement cases (n=13) involved human intervention to remove gear. This reflects that many entangled whales are seen only once. Only one large whale record that was initially designated as SI resulted in a final injury status of NSI, as a result of successful disentanglement of the animal (a gray whale released from pot/trap gear). All other large whale records with initial SI designations retained final injury designations of SI (Table 7b). Two whales initially designated as SI were later found dead: a Bryde's whale with vessel strike injuries and a gray whale entangled in gillnet (Appendix 4). One gray whale seen in July of 2009 with constricting gillnet and rope cutting into its caudal peduncle was assigned a SI status and it was later learned that this animal has been resighted alive in 2010 and 2011, still entangled (Appendix 4). Given the initial sighting condition of this whale and evidence of protracted, lethal effects of entanglements on large whales in general (Cassoff *et al.* 2011), the SI determination was retained.

Small cetaceans were rarely assessed for SI (n=10) because most were initially reported as dead (n=153). Mortality in gillnets and unidentified net fisheries accounted for most small cetacean records (n=85), with approximately half of all records derived from gillnet observer programs (n=43). Small cetacean injury records included Pacific white-sided dolphin (*Lagenorhynchus obliquidens*) (n=5), harbor porpoise (*Phocoena phocoena*) (n=2), bottlenose dolphin (*Tursiops truncatus*) (n=2) and unidentified dolphin (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 resulting serious injuries and one harbor porpoise with entanglement related serious injuries died during transport from the beach. All other initial SI designations of small cetaceans resulted in final designations of SI (Table 7c).

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 unrepresentative 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 choose 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 injury and deaths.

Many serious injuries and deaths attributed to marine debris involve derelict fishing gear that cannot be associated with a particular fishery or in some cases originates outside of U.S. waters (3 northern fur seals were entangled dead in blue mesh netting of Chinese origin in 2009). Impacts of commercial fisheries that utilize nets, pots, and traps are likely to be greater than the number of observations because derelict gear can entangle animals for as long as it remains in the environment. Explicit examples include ghost netting that contained harbor seal carcasses of varying states of decomposition, demonstrating that the net had entangled animals over a long period of time.

A small percentage of pinniped records (15%) resulted in the death of the animal 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, which were not suspected during initial examination of the animal. California sea lions with apparent non-serious human-related injuries were also later diagnosed to have died from acute domoic acid toxicity, a condition resulting from a diatom neurotoxin found in sea lion prey items such as anchovy (Scholin *et al.* 2000, Gulland *et al.* 2002).

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Table 1. Number and percentages of documented cases of human-related injury or mortality by source for marine mammals from 2007 to 2011.

Source of human-related injury/mortality	Number	Percent of Total
HOOK & LINE FISHERY	319	21
SHOOTING	199	13
POWER PLANT ENTRAINMENT	175	12
GILLNET FISHERY	148	10
MARINE DEBRIS ENTANGLEMENT	99	6.7
CA SWORDFISH DRIFT GILLNET FISHERY	84	5.6
VESSEL STRIKE	83	5.5
CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	72	4.8
SCIENTIFIC RESEARCH TRAWL	60	4
UNIDENTIFIED FISHERY INTERACTION	44	3
UNIDENTIFIED NET FISHERY ENTANGLEMENT	43	2.9
CRAB POT FISHERY ENTANGLEMENT	14	0.94
MARINE DEBRIS INGESTION	13	0.87
UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	13	0.87
MARINE DEBRIS/UNIDENTIFIED NET FISHERY ENTANGLEMENT	9	0.61
GILLNET ENTANGLEMENT: TRIBAL FISHERY	8	0.54
RESEARCH ENTANGLEMENT	8	0.54
STAB WOUNDS	8	0.54
GILLNET FISHERY/MARINE DEBRIS ENTANGLEMENT	7	0.47
HUMAN-INDUCED ABANDONMENT	7	0.47
CAR COLLISION	6	0.4
DOG ATTACK	5	0.34
BLUNT FORCE TRAUMA: CLUBBING	4	0.27
UNDERWATER DETONATION EXERCISES	4	0.27
GAFF INJURY	3	0.2
HOOK & LINE FISHERY/MARINE DEBRIS ENTANGLEMENT	3	0.2
RESEARCH LONGLINE HOOKING	3	0.2
BAIT BARGE NET ENTANGLEMENT	2	0.13
DUNGENESS CRAB POT FISHERY ENTANGLEMENT	2	0.13
HARASSMENT	2	0.13
HOOK & LINE FISHERY/MARINE DEBRIS INGESTION	2	0.13
LOBSTER TRAP ENTANGLEMENT	2	0.13
MARINE DEBRIS ENTANGLEMENT/NET FISHERY ENTANGLEMENT	2	0.13
MARINE DEBRIS ENTANGLEMENT/RIVER SALMON GILLNET FISHERY	2	0.13
ROPE	2	0.13
SHOOTING/SPEARING	2	0.13
UNIDENTIFIED NET FISHERY ENTANGLEMENT/VESSEL STRIKE	2	0.13
COD POT FISHERY ENTANGLEMENT	1	0.067
CRAB POT FISHERY ENTANGLEMENT/HOOK & LINE FISHERY	1	0.067
ENTRAPMENT	1	0.067
FIXED GEAR SABLEFISH FISHERY OBSERVER REPORT	1	0.067
HARPOON	1	0.067
HOOK & LINE FISHERY AND STAB WOUNDS	1	0.067
KNIFE WOUNDS	1	0.067
LOBSTER TRAP ENTANGLEMENT	1	0.067
MARINE DEBRIS ENTANGLEMENT/HOOK & LINE FISHERY	1	0.067
MARINE DEBRIS ENTANGLEMENT/TRAWL NET FISHERY ENTANGLEMENT	1	0.067
NON-FISHERY ENTANGLEMENT	1	0.067
OIL SPILL	1	0.067
PACIFIC WHITING TRAWL FISHERY	1	0.067
RED KING CRAB POT FISHERY ENTANGLEMENT	1	0.067
RESEARCH	1	0.067
RESEARCH SCIENTIFIC LONGLINE	1	0.067
RESEARCH: SEA BOTTOM SURVEY EQUIPMENT	1	0.067
SALMON GILLNET FISHERY ENTANGLEMENT	1	0.067
SALMON RESEARCH TRAWL	1	0.067
SALMON/STURGEON SCIENTIFIC RESEARCH ENTRAPMENT	1	0.067
SEAL BOMB	1	0.067
SHOOTING/MARINE DEBRIS ENTANGLEMENT	1	0.067
SPRAY PAINTING	1	0.067
TAR	1	0.067
TRAWL FISHERY	1	0.067
UNIDENTIFIED FISHERY INTERACTION / MARINE DEBRIS ENTANGLEMENT	1	0.067
UNIDENTIFIED TRAWL FISHERY/MARINE DEBRIS ENTANGLEMENT	1	0.067

Table 2. Total number of human-related marine mammal injury and mortality records (n=1,488) by species and assessment category from 2007 to 2011. NSI=non-serious injury, SI=serious injury.

	DEAD	NSI	SI	SI (PRORATE)
BLUE WHALE	9	0	0	1
BOTTLENOSE DOLPHIN	2	0	2	0
BRYDE'S WHALE	0	0	1	0
CALIFORNIA SEA LION	334	128	469	0
FIN WHALE	7	0	3	1
GRAY WHALE	10	2	14	7
GUADALUPE FUR SEAL	6	0	9	0
HARBOR PORPOISE	27	1	1	0
HARBOR SEAL	119	27	49	0
HUMPBACK WHALE	7	2	15	10
LONG-BEAKED COMMON DOLPHIN	43	0	0	0
MINKE WHALE	0	1	0	1
NORTHERN ELEPHANT SEAL	16	2	25	0
NORTHERN FUR SEAL	12	1	4	0
NORTHERN RIGHT WHALE DOLPHIN	10	0	0	0
PACIFIC WHITE-SIDED DOLPHIN	35	1	4	0
RISSE'S DOLPHIN	4	0	0	0
SHORT-BEAKED COMMON DOLPHIN	26	0	0	0
SPERM WHALE	5	1	1	0
STRIPED DOLPHIN	1	0	0	0
UNIDENTIFIED COMMON DOLPHIN	4	0	0	0
UNIDENTIFIED DOLPHIN	1	1	0	0
UNIDENTIFIED PINNIPED	6	0	0	0
UNIDENTIFIED WHALE	0	1	13	6
ALL SPECIES	684	168	610	26

Table 3. Sources of human-caused injury or mortality for pinnipeds from 2007 to 2011.

Source of human-caused injury/mortality	Number of records
HOOK & LINE FISHERY	318
SHOOTING	194
POWER PLANT ENTRAINMENT	175
GILLNET FISHERY	120
MARINE DEBRIS ENTANGLEMENT	93
CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	71
CA SWORDFISH DRIFT GILLNET FISHERY	39
VESSEL STRIKE	34
SCIENTIFIC RESEARCH TRAWL	24
UNIDENTIFIED NET FISHERY ENTANGLEMENT	18
MARINE DEBRIS INGESTION	10
UNIDENTIFIED FISHERY INTERACTION	10
MARINE DEBRIS/UNIDENTIFIED NET FISHERY ENTANGLEMENT	9
STAB WOUNDS	8
GILLNET ENTANGLEMENT: TRIBAL FISHERY	7
GILLNET FISHERY/MARINE DEBRIS ENTANGLEMENT	7
HUMAN-INDUCED ABANDONMENT	7
RESEARCH ENTANGLEMENT	7
CAR COLLISION	6
DOG ATTACK	5
BLUNT FORCE TRAUMA: CLUBBING	4
GAFF INJURY	3
HOOK & LINE FISHERY/MARINE DEBRIS ENTANGLEMENT	3
RESEARCH LONGLINE HOOKING	3
BAIT BARGE NET ENTANGLEMENT	2
HARASSMENT	2
HOOK & LINE FISHERY/MARINE DEBRIS INGESTION	2
MARINE DEBRIS ENTANGLEMENT/NET FISHERY ENTANGLEMENT	2
ROPE	2
SHOOTING/SPEARING	2
CRAB POT FISHERY ENTANGLEMENT/HOOK & LINE FISHERY	1
ENTRAPMENT	1
HOOK & LINE FISHERY AND STAB WOUNDS	1
LOBSTER TRAP ENTANGLEMENT	1
MARINE DEBRIS ENTANGLEMENT/HOOK & LINE FISHERY	1
MARINE DEBRIS ENTANGLEMENT/TRAWL NET FISHERY ENTANGLEMENT	1
NON-FISHERY ENTANGLEMENT	1
OIL SPILL	1
PACIFIC WHITING TRAWL FISHERY	1
RESEARCH	1
RESEARCH SCIENTIFIC LONGLINE	1
SALMON RESEARCH TRAWL	1
SALMON/STURGEON SCIENTIFIC RESEARCH ENTRAPMENT	1
SEAL BOMB	1
SHOOTING/MARINE DEBRIS ENTANGLEMENT	1
SPRAY PAINTING	1
TAR	1
TRAWL FISHERY	1
UNIDENTIFIED FISHERY INTERACTION / MARINE DEBRIS ENTANGLEMENT	1
UNIDENTIFIED TRAWL FISHERY/MARINE DEBRIS ENTANGLEMENT	1

Table 4. Sources of human-caused injury and mortality for large whales from 2007 to 2011.

Source of human-caused injury/mortality	Number of records
VESSEL STRIKE	46
UNIDENTIFIED FISHERY INTERACTION	17
CRAB POT FISHERY ENTANGLEMENT	14
UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	13
GILLNET FISHERY	7
UNIDENTIFIED NET FISHERY ENTANGLEMENT	6
CA SWORDFISH DRIFT GILLNET FISHERY	4
DUNGENESS CRAB POT FISHERY ENTANGLEMENT	2
MARINE DEBRIS INGESTION	2
COD POT FISHERY ENTANGLEMENT	1
GILLNET ENTANGLEMENT: TRIBAL FISHERY	1
HARPOON	1
LOBSTER TRAP ENTANGLEMENT	1
MARINE DEBRIS ENTANGLEMENT	1
RED KING CRAB POT FISHERY ENTANGLEMENT	1
UNIDENTIFIED NET FISHERY ENTANGLEMENT/VESSEL STRIKE	1

Table 5. Sources of human-caused injury and mortality for small cetaceans from 2007 to 2011.

Source of human-caused injury/mortality	Number of records
CA SWORDFISH DRIFT GILLNET FISHERY	41
SCIENTIFIC RESEARCH TRAWL	36
GILLNET FISHERY	21
UNIDENTIFIED NET FISHERY ENTANGLEMENT	19
UNIDENTIFIED FISHERY INTERACTION	17
MARINE DEBRIS ENTANGLEMENT	5
SHOOTING	5
UNDERWATER DETONATION EXERCISES	4
VESSEL STRIKE	3
MARINE DEBRIS ENTANGLEMENT/RIVER SALMON GILLNET FISHERY	2
CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	1
FIXED GEAR SABLEFISH FISHERY OBSERVER REPORT	1
HOOK & LINE FISHERY	1
KNIFE WOUNDS	1
LOBSTER TRAP ENTANGLEMENT	1
MARINE DEBRIS INGESTION	1
RESEARCH ENTANGLEMENT	1
RESEARCH: SEA BOTTOM SURVEY EQUIPMENT	1
SALMON GILLNET FISHERY ENTANGLEMENT	1
UNIDENTIFIED NET FISHERY ENTANGLEMENT/VESSEL STRIKE	1

Table 6. Primary cause of injury or mortality by species/group from 2007 to 2011.

Species/Group	Cause	Number
ALL PINNIPEDS	HOOK AND LINE FISHERY	318
ALL LARGE WHALES	VESSEL STRIKE	46
ALL SMALL CETACEANS	CA SWORDFISH DRIFT GILLNET FISHERY	41
BLUE WHALE	VESSEL STRIKE	10
BOTTLENOSE DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	1
BRYDE'S WHALE	VESSEL STRIKE	1
CALIFORNIA SEA LION	HOOK & LINE FISHERY	283
FIN WHALE	VESSEL STRIKE	8
GRAY WHALE	VESSEL STRIKE	14
GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	9
HARBOR PORPOISE	UNIDENTIFIED FISHERY INTERACTION	9
HARBOR SEAL	POWER PLANT ENTRAINMENT	62
HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	10
LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	12
MINKE WHALE	CA SWORDFISH DRIFT GILLNET FISHERY	1
NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	15
NORTHERN FUR SEAL	MARINE DEBRIS ENTANGLEMENT	5
NORTHERN RIGHT WHALE DOLPHIN	SCIENTIFIC RESEARCH TRAWL	6
PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	30
RISSE'S DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	2
SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	23
SPERM WHALE	CA SWORDFISH DRIFT GILLNET FISHERY	2
STRIPED DOLPHIN	UNIDENTIFIED FISHERY INTERACTION	1
UNIDENTIFIED COMMON DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT	2
UNIDENTIFIED DOLPHIN	GILLNET FISHERY	2
UNIDENTIFIED PINNIPED	VESSEL STRIKE	3
UNIDENTIFIED WHALE	UNIDENTIFIED FISHERY INTERACTION	7

Table 7a. Matrix of initial and final injury determinations for all pinniped records (n=1,207). NSI=non-serious injury, SI=serious injury.

Pinnipeds		Final Injury Determination / Status			
Initial Determination	CAPTIVITY	DEAD	NSI	SI	
DEAD	0	493	0	0	
NSI	1	24	132	1	
SI	5	241	213	97	

Table 7b. Matrix of initial and final injury determinations for all large whale records (n=118). NSI=non-serious injury, SI=serious injury.

Large Whales		Final Injury Determination / Status			
Initial Determination	DEAD	NSI	SI	SI (PRORATE)	
DEAD	38	0	0	0	
NSI	0	7	0	0	
SI	2	1	39	5	
SI (PRORATE)	0	0	0	26	

Table 7c. Matrix of initial and final injury determinations for all small cetacean records (n=163). NSI=non-serious injury, SI=serious injury.

Small Cetaceans		Final Injury Determination / Status		
Initial Determination	DEAD	NSI	SI	
DEAD	153	0	0	
NSI	0	3	0	
SI	1	0	6	

TABLE 3: Summary of Pinniped¹ 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 only those criteria determined to be serious injuries or case specific based on expert opinion at the 2007 Workshop (Andersen *et al.*, 2008) and by pinniped experts on the NMFS Determination Staff working group. For the purposes of streamlining the information for the reader, criteria determined to be non-serious injuries are not included in this table.

³ SI = serious injury.

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

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

Appendix 1. Pinniped Injury Criteria (NOAA 2012)

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

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

⁷ NSI = non-serious injury.

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

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

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

Appendix 1. Pinniped Injury Criteria (NOAA 2012)

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

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

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

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

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

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

TABLE 1: Summary of Large Cetacean¹ Injury Categories and Criteria

Instructions: Each large cetacean injury event is recorded to the appropriate injury/information category using all available information and scientific judgment, as described in the Procedural Directive. Criteria L10 - L12 accommodate events that lack details necessary for assignment to a more specific category. For a single injury event to which several categories apply, the injury determination with the highest level of severity is assigned. More detailed information or extended observation on an individual case/animal may justify a determination differing from the guidance of this table. An animal that is fully disentangled would generally be considered not seriously injured, unless there is additional evidence of a serious injury. Any injury leading to apparent significant health decline (e.g., skin discoloration, lesions near the nares, fat loss, increased cyamid loads) is a serious injury.			
Category	Injury/ Information	Injury Determination	Criteria
L1	Ingested gear ² or hook(s)	SI ³	Swallowed, not simply draped through mouth
L2	Constricting wrap	SI	Tightly wrapped line anywhere on body that indents the skin or does not shift with whale's movement, or line that is likely to become constricting as the whale grows. Indication that a whale that is heavily weighted, anchored or has a discolored appendage is sufficient evidence of constricting gear
L3	Loose wrap, bridled or draped gear	NSI ⁴	Loosely wrapped gear that moves or shifts freely with whale's movement. Absence of constricting gear must be confirmed
L4	External hook	NSI	Fishing hook of any size on any part of the body (i.e., not ingested)
L5a	Deep laceration ⁵	SI	Laceration with the potential to affect major artery (e.g., laceration or severing at insertion of flipper/fluke), penetrating body cavity, or cutting bone
L5b	Superficial laceration	NSI	Laceration not deeper than blubber layer, does not affect major artery, or cut bone
L6a	Vessel much greater in size than whale or vessel $\geq 65'$ and >10 knots	SI	Struck by vessel much greater in size than the whale and traveling greater than 10 knots, or struck by vessel equal or greater than 65' and traveling greater than 10 knots, and no information on injury to the whale
L6b	Vessel smaller in size than whale or vessel $<65'$ and >10 knots	Prorate ⁶ : 0.20	Struck by vessel smaller in size than the whale and traveling greater than 10 knots, or struck by vessel less than 65' and traveling greater than 10 knots, and no information on injury to the whale. A strike to a calf by a vessel of any size and traveling greater than 10 knots will be considered a serious injury

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

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

³ SI = Serious Injury.

⁴ NSI = Non-Serious Injury.

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

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

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

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

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

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

TABLE 2: Summary of Small Cetacean¹ Injury Categories and Criteria

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

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

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

³ SI = serious injury.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2007	1	28	1/28/2007	BLUE WHALE	VESSEL STRIKE	TILLAMOOK	OR	DEAD	CONTAINER SHIP REPORTED STRIKING A WHALE	DEAD		
2007	9	8	9/8/2007	BLUE WHALE	VESSEL STRIKE	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN HARBOR	DEAD		
2007	9	13	9/13/2007	BLUE WHALE	VESSEL STRIKE	VENTURA	CA	DEAD	CARCASS; VERTEBRAL COLUMN SEVERED IN LUMBAR/CAUDAL REGION; LARGE HEMATOMA EXTENDING FROM DORSAL FIN TO PECTORAL FIN ON LEFT LATERAL SIDE	DEAD		
2007	9	19	9/19/2007	BLUE WHALE	VESSEL STRIKE	SANTA BARBARA	CA	DEAD	CARCASS; CRANIAL RIBS, THORACIC VERTEBRAE & CAUDAL SKULL FRACTURED	DEAD		
2007	11	30	11/30/2007	BLUE WHALE	VESSEL STRIKE	SANTA BARBARA	CA	DEAD	CARCASS; SEVERED RIGHT PECTORAL FIN	DEAD		
2009	10	12	10/12/2009	BLUE WHALE	VESSEL STRIKE	MONTEREY	CA	DEAD	DEAD STRANDING; 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		
2009	10	19	10/19/2009	BLUE WHALE	VESSEL STRIKE	MENDOCINO	CA	DEAD	HYDROGRAPHIC SURVEY VESSEL COLLIDED WITH FREE-SWIMMING ANIMAL; MORTALITY; CARCASS WASHED ASHORE SOUTH OF MENDOCINO COAST BOTANICAL GARDENS ON 20-OCT; TWO DEEP DIAGONAL PROPELLER-LIKE CUTS ACROSS BACK & EXTENDING INTO VERTEBRAE & INTERVERTEBRAL DISKS; TWO FRACTURED POSTERIOR VERTEBRAE; CARCASS EXAMINED BY HSU-VM PERSONNEL	DEAD		
2010	8	4	8/4/2010	BLUE WHALE	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
2010	8	25	8/25/2010	BLUE WHALE	VESSEL STRIKE	SANTA BARBARA	CA	DEAD	MULTIPLE FRAGMENTS OF VERTEBRAE AND RIBS IN ABDOMINAL CAVITY	DEAD		
2010	10	2	10/2/2010	BLUE WHALE	VESSEL STRIKE	SAN MATEO	CA	DEAD	BROKEN BONES AND HEMORRAGE CONSISTENT WITH VESSEL STRIKE	DEAD		
2008	2	17	2/17/2008	BOTTLENOSE DOLPHIN	LOBSTER TRAP ENTANGLEMENT	SAN DIEGO	CA	SI	FREE-SWIMMING ANIMAL ENTANGLED IN LOBSTER TRAP LINE; LINE WRAPPED AROUND BEAK 3X, THROUGH MOUTH & AROUND PECTORAL FIN. ANIMAL SWAM AWAY AFTER BEING DISENTANGLED BY LIFE GUARDS. ASSIGNED AS SERIOUS INJURY DUE TO IT BEING A SOCIAL ANIMAL SEPARATED FROM ITS GROUP AND NATURE OF ENTANGLEMENT (ANIMAL IMMOBILIZED FOR UNKNOWN TIME PERIOD).	SI	S14, S7B	
2010	11	13	11/13/2010	BOTTLENOSE DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2009	11	10	11/10/2009	BOTTLENOSE DOLPHIN	FIXED GEAR SABLEFISH FISHERY OBSERVER REPORT	OFFSHORE	WA	SI	OBSERVER REPORTED BUOY LINE WRAPPED AROUND ANIMAL'S CAUDAL PEDUNCLE AND FLUKES. ANIMAL FREED AND SWAM AWAY BUT OBSERVER NOTED THAT LINE RESULTED IN SEVERAL WOUNDS TO ANIMAL.	SI	S7B, S14	
2010	12	19	12/19/2010	BOTTLENOSE DOLPHIN	MARINE DEBRIS ENTANGLEMENT	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		
2010	11	25	11/25/2010	BRYDE'S WHALE	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	

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, S (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, S (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2007	1	1	1/1/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK WITH LINE ATTACHED IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = LEPTOSPIROSIS)	DEAD	P5A	
2007	1	2	1/2/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	NSI	LIVE STRANDING; FISH HOOK IN LEFT REAR FLIPPER; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	1	2	1/2/2007	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	BULLET COLLECTED FROM CARCASS	DEAD		
2007	1	9	1/9/2007	CALIFORNIA SEA LION	SHOOTING	THURSTON	WA	DEAD	NECROPSY PERFORMED	DEAD		
2007	1	17	1/17/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	1	19	1/19/2007	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	NECROPSY PERFORMED	DEAD		
2007	1	20	1/20/2007	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	1	20	1/20/2007	CALIFORNIA SEA LION	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; GREEN MONOFILAMENT NETTING WRAPPED AROUND NECK, CUTTING INTO BOTH SIDES OF MOUTH; NON-FATAL INJURY. ANIMAL TAKEN INTO REHAB, TREATED & RELEASED.	NSI	P7B	
2007	2	2	2/2/2007	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	MONTEREY	CA	SI	LIVE STRANDING; BLACK RUBBER BAND CUTTING INTO NECK, EXPOSED SKIN. ANIMAL DISENTANGLED & RELEASED ON SITE.	NSI	P7B	
2007	2	3	2/3/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	2	8	2/8/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	2	22	2/22/2007	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO BACK; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P9	
2007	2	26	2/26/2007	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK, CUTTING INTO SKIN & SUBCUTANEOUS TISSUE ON RIGHT SIDE; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	
2007	3	6	3/6/2007	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	TILLAMOOK	OR	SI	PACKING BAND OR LINE AROUND NECK	SI	P8A	
2007	3	6	3/6/2007	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	TILLAMOOK	OR	SI	PACKING BAND OR LINE AROUND NECK	SI	P8A	
2007	3	7	3/7/2007	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	TILLAMOOK	OR	SI	THIN LINE AROUND NECK	SI	P8A	
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Proration Value
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	10	3/10/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	12	3/12/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	12	3/12/2007	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	LOS ANGELES	CA	SI	LIVE STRANDING; FISHING LINE WRAPPED AROUND FRONT FLIPPER TAG; MORTALITY (ANIMAL EUTHANIZED IN REHAB. CAUSE OF DEATH = NEUROLOGICAL PROBLEM)	DEAD	P6
2007	3	12	3/12/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	
2007	3	16	3/16/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	
2007	3	16	3/16/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED FISHING LINE IN MOUTH; NON- FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5A
2007	3	21	3/21/2007	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	TILLAMOOK	OR	SI	THICK BLACK BAND AROUND NECK	SI	P8A
2007	3	25	3/25/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOK IN GUM; NON- FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C
2007	3	31	3/31/2007	CALIFORNIA SEA LION	VESSEL STRIKE	LOS ANGELES	CA	SI	LIVE STRANDING; SERIES OF LARGE, FRESH, PARALLEL LACERATIONS EXTENDING FROM FRONT FLIPPERS DOWN LEFT ABDOMEN TO REAR FLIPPERS. ANIMAL EUTHANIZED IN REHABILITATION.	DEAD	P15
2007	4	6	4/6/2007	CALIFORNIA SEA LION	VESSEL STRIKE	LOS ANGELES	CA	DEAD	CARCASS FLOATING OFFSHORE; PROPELLER- LIKE WOUNDS TO ABDOMINAL AREA; INTERNAL ORGANS EXPOSED	DEAD	
2007	4	9	4/9/2007	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO RIGHT CAUDAL LUMBAR AREA; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P9
2007	4	13	4/13/2007	CALIFORNIA SEA LION	SHOOTING	ORANGE	CA	DEAD	CARCASS; GUNSHOT WOUND TO BACK OF NECK	DEAD	
2007	4	17	4/17/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	
2007	4	18	4/18/2007	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	TILLAMOOK	OR	SI	LINE WRAPPED AROUND NECK	SI	P8A
2007	4	19	4/19/2007	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	TILLAMOOK	OR	SI	LINE WRAPPED AROUND NECK	SI	P8A
2007	4	20	4/20/2007	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	TILLAMOOK	OR	SI	LINE WRAPPED AROUND NECK	SI	P8A

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2007	4	21	4/21/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	4	21	4/21/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOK IN NOSTRIL; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	4	28	4/28/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK & FISHING LURE IN LEFT UPPER LIP; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	4	30	4/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; RESCUE TEAM UNABLE TO CAPTURE ANIMAL; FINAL STATUS UNKNOWN	SI	P8A	
2007	4	30	4/30/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK IN STOMACH; MORTALITY (CAUSE OF DEATH = FISH HOOK INGESTION RESULTING IN GASTRIC ULCERATION & BLEEDING)	DEAD	P2	
2007	5	1	5/1/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	1	5/1/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	6	5/6/2007	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	LIVE STRANDING; GILLNET FRAGMENT EMBEDDED IN NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	
2007	5	6	5/6/2007	CALIFORNIA SEA LION	GILLNET FISHERY	SAN FRANCISCO	CA	SI	LIVE STRANDING; PINK GILLNET FRAGMENT AROUND NECK; ANIMAL DISENTANGLED & RELEASED ON SITE	NSI	P7B	
2007	5	6	5/6/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	5	9	5/9/2007	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	LIVE STRANDING; GUNSHOT WOUNDS TO PELVIC AREA; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P12	
2007	5	11	5/11/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	11	5/11/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	12	5/12/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	5	13	5/13/2007	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; GREEN MONOFILAMENT NETTING AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	
2007	5	13	5/13/2007	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO BACK. ANIMAL EUTHANIZED IN REHAB.	DEAD	P9	
2007	5	14	5/14/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	5	16	5/16/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	5	17	5/17/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 4 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	17	5/17/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 4 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	17	5/17/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 4 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	17	5/17/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 4 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	19	5/19/2007	CALIFORNIA SEA LION	MARINE DEBRIS INGESTION	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK DEEPLY EMBEDDED IN RIGHT FRONT FLIPPER; 2 CIGARETTE BUTTS BLOCKING PYLORUS; MORTALITY (DIED IN REHAB, CAUSE OF DEATH RELATED TO MARINE DEBRIS INGESTION)	DEAD	P2	
2007	5	20	5/20/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	NSI	LIVE STRANDING; FISH HOOK IN LEFT SIDE OF BODY; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	5	20	5/20/2007	CALIFORNIA SEA LION	VESSEL STRIKE	MONTEREY	CA	DEAD	U.S. COAST GUARD VESSEL COLLIDED WITH FREE-SWIMMING ANIMAL; MORTALITY	DEAD		

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2007	5	21	5/21/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISHING LURE IN MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P2	
2007	5	22	5/22/2007	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD	DEAD		
2007	5	23	5/23/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	5	23	5/23/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 3 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	23	5/23/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 3 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	24	5/24/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	24	5/24/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	24	5/24/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LOWER LIP; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5B	
2007	5	25	5/25/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	5	26	5/26/2007	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	LIVE STRANDING; GUNSHOT WOUNDS TO FACE, RADIOGRAPHS SHOWED 8 BUCKSHOT PELLETS IN FACE. NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P9	
2007	5	26	5/26/2007	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO HEAD; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P9	
2007	5	26	5/26/2007	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI	LIVE STRANDING; GUNSHOT WOUNDS TO HEAD, RADIOGRAPHS SHOWED 4 BULLETS IN SKULL; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P9	
2007	5	26	5/26/2007	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	LIVE STRANDING; GILLNET FRAGMENT EMBEDDED IN NECK, 0.5 INCH DIAMETER OPEN WOUND AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	
2007	5	27	5/27/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	27	5/27/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	27	5/27/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	NSI	LIVE STRANDING; FISH HOOK IN LEFT FOREFLIPPER; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	5	28	5/28/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	28	5/28/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	5	28	5/28/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; MULTIPLE FISH HOOKS & ATTACHED LINE IN LIP AND BOTH FRONT FLIPPERS; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	5	28	5/28/2007	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	
2007	5	30	5/30/2007	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO CHEST; MORTALITY (ANIMAL DIED AT STRANDING SITE, BULLET RETRIEVED FROM CHEST DURING POST-MORTEM EXAM)	DEAD	P12	
2007	5	31	5/31/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	6	1	6/1/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	6	2	6/2/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	6	2	6/2/2007	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	DEAD	CARCASS; GUNSHOT WOUND TO BODY	DEAD		

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2007	6	2	6/2/2007	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD	DEAD		
2007	6	2	6/2/2007	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD	DEAD		
2007	6	2	6/2/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISHING LINE COMING FROM MOUTH, RADIOGRAPHS REVEALED 2 FISH HOOKS; SWIVEL & SINKER IN STOMACH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P2	
2007	6	2	6/2/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	LIVE STRANDING; 2 FISH HOOKS IN MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5A	
2007	6	3	6/3/2007	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	NSI	LIVE STRANDING; RADIOGRAPHS REVEALED 2 PELLETS IN LEFT & RIGHT LOWER CHEEKS; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P9	
2007	6	3	6/3/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK IN LIP; 2ND FISH HOOK WITH ATTACHED LINE COMING FROM MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5A	
2007	6	6	6/6/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	6	6	6/6/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	NSI	LIVE STRANDING; FISH HOOK IN FLIPPER; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = UNKNOWN)	DEAD	P6C	
2007	6	8	6/8/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	6	8	6/8/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	6	8	6/8/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	6	10	6/10/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	6	10	6/10/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISHING LINE COMING OUT OF MOUTH & WRAPPED AROUND FLIPPER TAG; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5A	
2007	6	11	6/11/2007	CALIFORNIA SEA LION	GILLNET FISHERY	CLATSOP	OR	SI	SEA LION WITH FISHING NET WRAPPED TIGHT AROUND NECK. NO DISENTANGLEMENT ATTEMPT.	SI	P8A	
2007	6	13	6/13/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	LIVE STRANDING; 2 FISH HOOKS IN LOWER JAW; 2 FISH HOOKS ON VENTRUM; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	6	13	6/13/2007	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	LINCOLN	OR	SI	WHITISH BAND WRAPPED TIGHTLY AROUND LOWER NECK; APPEARED TO BE CUTTING INTO SKIN AND BLUBBER ON DORSAL ASPECT; ACTIVELY SWIMMING	SI	P8A	
2007	6	14	6/14/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5A	
2007	6	14	6/14/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISHING LINE COMING FROM MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5A	
2007	6	16	6/16/2007	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	BACK OF SKULL BLOWN OUT, APPEARS TO HAVE BEEN SHOT	DEAD		
2007	6	18	6/18/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOKS IN BOTH CORNERS OF MOUTH & IN HINDQUARTERS; FISH HOOK IN STOMACH; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = STARVATION)	DEAD	P2	
2007	6	20	6/20/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE & SINKER EMBEDDED IN LEFT FRONT FLIPPER & HIP; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	6	20	6/20/2007	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	SKULL COLLECTED	DEAD		
2007	6	21	6/21/2007	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO CHEST; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P12	
2007	6	24	6/24/2007	CALIFORNIA SEA LION	STAB WOUNDS	LOS ANGELES	CA	DEAD	CARCASS; SPEAR FROM SPEAR GUN IN CHEST	DEAD		
2007	6	27	6/27/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2007	6	30	6/30/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	6	30	6/30/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOK IN RIGHT CHEEK; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = SEVERE PERITONITIS)	DEAD	P5B	
2007	7	3	7/3/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	7	3	7/3/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; FISH HOOKS IN LEFT FRONT & REAR FLIPPERS; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = ACUTE DOMOIC ACID TOXICITY)	DEAD	P5C	
2007	7	5	7/5/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	7	9	7/9/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	NSI	LIVE STRANDING; FISH HOOKS IN BODY; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	7	11	7/11/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	7	11	7/11/2007	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; THICK WHITE STRAND OF NYLON NETTING CUTTING INTO NECK; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO CHRONIC DOMOIC ACID TOXICITY)	DEAD	P8A	
2007	7	14	7/14/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	7	14	7/14/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	7	14	7/14/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	7	14	7/14/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	7	14	7/14/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	7	15	7/15/2007	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO JAW, RESULTING IN BROKEN JAW; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P10	
2007	7	20	7/20/2007	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	7	23	7/23/2007	CALIFORNIA SEA LION	CRAB POT FISHERY ENTANGLEMENT/HOOK & LINE FISHERY	MARIN	CA	SI	LIVE STRANDING; ANIMAL PULLED OUT OF CRAB POT BY PRIVATE CITIZEN; FISHING LURE IN LIP; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO DOMOIC ACID TOXICITY)	DEAD	P7B	
2007	7	24	7/24/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK IN FRONT FLIPPER; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	7	26	7/26/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	VENTURA	CA	SI	LIVE STRANDING; FISH HOOK IN LEFT CORNER OF MOUTH; 2 FISH HOOKS IN STOMACH; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = SEPTICEMIA)	DEAD	P2	
2007	7	26	7/26/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; FISH HOOKS IN MOUTH, LEFT FRONT FLIPPER, LEFT REAR FLIPPER & LEFT SIDE OF BODY; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	7	27	7/27/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY AND STAB WOUNDS	ORANGE	CA	SI	LIVE STRANDING; 2 FISH HOOKS IN LEFT FRONT FLIPPER; 1 FISH HOOK IN RIGHT FRONT FLIPPER; 2 FISH HOOKS IN RIGHT REAR FLIPPER; 1 FISH HOOK IN ESOPHAGUS WITH ATTACHED LINE EXTENDING INTO STOMACH; KNIFE WOUNDS TO CHEST; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO SEVERITY OF KNIFE WOUNDS)	DEAD	P12	
2007	7	30	7/30/2007	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	DEAD	CARCASS; SHOTGUN WAD EMBEDDED IN FLESH BEHIND EYEBALL	DEAD		
2007	7	30	7/30/2007	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO BACK; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P9	
2007	7	30	7/30/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2007	8	5	8/5/2007	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO HEAD; MORTALITY (ANIMAL DIED IN REHAB, .22 CALIBER BULLET EXTRACTED FROM BRAIN)	DEAD	P9	
2007	8	6	8/6/2007	CALIFORNIA SEA LION	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	
2007	8	6	8/6/2007	CALIFORNIA SEA LION	MARINE DEBRIS/UNIDENTIFIED NET FISHERY ENTANGLEMENT	CLATSOP	OR	SI	LIVE ENTANGLED SEA LION REPORTED ON DOCK; NO DISTENSANGLEMENT EFFORT.	SI	P6	
2007	8	8	8/8/2007	CALIFORNIA SEA LION	STAB WOUNDS	ORANGE	CA	SI	LIVE STRANDING; 3 INCH STAB WOUND TO RIGHT SHOULDER; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH RELATED TO STAB WOUND)	DEAD	P9	
2007	8	12	8/12/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT SIDE OF BODY; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	8	15	8/15/2007	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	
2007	8	17	8/17/2007	CALIFORNIA SEA LION	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI	LIVE STRANDING; BROKEN LOWER JAW; SUSPECTED 'SEAL BOMB' INJURY. MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P10	
2007	8	18	8/18/2007	CALIFORNIA SEA LION	MARINE DEBRIS/UNIDENTIFIED NET FISHERY ENTANGLEMENT	VENTURA	CA	DEAD	1 OF 7 CARCASSES IN ABANDONED NET THAT BECAME SNAGGED ON OIL PLATFORM	DEAD		
2007	8	18	8/18/2007	CALIFORNIA SEA LION	MARINE DEBRIS/UNIDENTIFIED NET FISHERY ENTANGLEMENT	VENTURA	CA	DEAD	1 OF 7 CARCASSES IN ABANDONED NET THAT BECAME SNAGGED ON OIL PLATFORM	DEAD		
2007	8	18	8/18/2007	CALIFORNIA SEA LION	MARINE DEBRIS/UNIDENTIFIED NET FISHERY ENTANGLEMENT	VENTURA	CA	DEAD	1 OF 7 CARCASSES IN ABANDONED NET THAT BECAME SNAGGED ON OIL PLATFORM	DEAD		
2007	8	18	8/18/2007	CALIFORNIA SEA LION	MARINE DEBRIS/UNIDENTIFIED NET FISHERY ENTANGLEMENT	VENTURA	CA	DEAD	1 OF 7 CARCASSES IN ABANDONED NET THAT BECAME SNAGGED ON OIL PLATFORM	DEAD		
2007	8	18	8/18/2007	CALIFORNIA SEA LION	MARINE DEBRIS/UNIDENTIFIED NET FISHERY ENTANGLEMENT	VENTURA	CA	DEAD	1 OF 7 CARCASSES IN ABANDONED NET THAT BECAME SNAGGED ON OIL PLATFORM	DEAD		
2007	8	18	8/18/2007	CALIFORNIA SEA LION	MARINE DEBRIS/UNIDENTIFIED NET FISHERY ENTANGLEMENT	VENTURA	CA	DEAD	1 OF 7 CARCASSES IN ABANDONED NET THAT BECAME SNAGGED ON OIL PLATFORM	DEAD		
2007	8	18	8/18/2007	CALIFORNIA SEA LION	MARINE DEBRIS/UNIDENTIFIED NET FISHERY ENTANGLEMENT	VENTURA	CA	DEAD	1 OF 7 CARCASSES IN ABANDONED NET THAT BECAME SNAGGED ON OIL PLATFORM	DEAD		
2007	8	20	8/20/2007	CALIFORNIA SEA LION	SHOOTING	CONTRA COSTA	CA	NSI	LIVE STRANDING; RADIOGRAPHS REVEALED 2 PELLETS IN SUBCUTANEOUS TISSUE ON BACK; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO CHRONIC DOMOIC ACID TOXICITY)	DEAD	P9	
2007	8	23	8/23/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; FISH HOOK IN BACK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	8	24	8/24/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	8	24	8/24/2007	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	NSI	LIVE STRANDING; MORTALITY (ANIMAL DIED ON BEACH, NECROPSY REVEALED PELLET IN SOFT TISSUE ON RIGHT SIDE OF FACE, CAUSE OF DEATH = ACUTE DOMOIC ACID TOXICITY)	DEAD	P9	
2007	8	31	8/31/2007	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD	DEAD		
2007	9	7	9/7/2007	CALIFORNIA SEA LION	SHOOTING	CONTRA COSTA	CA	DEAD	CARCASS; BACK OF SKULL BLOWN APART	DEAD		
2007	9	10	9/10/2007	CALIFORNIA SEA LION	SHOOTING	SONOMA	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO SHOULDER, FRACTURING SCAPULA; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P10	
2007	9	14	9/14/2007	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	DEAD	CARCASS; GUNSHOT WOUND TO BODY	DEAD		
2007	9	16	9/16/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT FRONT FLIPPER; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = OSTEOMYELITIS (BONE INFECTION))	DEAD	P5C	
2007	9	18	9/18/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	NSI	LIVE STRANDING; FISH HOOK IN LOWER LEFT GUM; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	9	26	9/26/2007	CALIFORNIA SEA LION	SHOOTING	VENTURA	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD	DEAD		

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2007	9	28	9/28/2007	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	TILLAMOOK	OR	DEAD	DEAD SEA LION IN RESEARCH TRAWL	DEAD		
2007	9	29	9/29/2007	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	SAN DIEGO	CA	SI	LIVE STRANDING; ANIMAL ENTANGLED IN MASS OF FISH HOOKS & LINE; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	
2007	10	1	10/1/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LINCOLN	OR	SI	LINE IS WRAPPED TIGHTLY AROUND NECK; SKIN IS BROKEN, PINK BLUBBER VISIBLE; ANIMAL OTHERWISE APPEARS ROBUST AND ALERT AND RESPONSIVE; REMOVAL OF LINE IS NOT DEEMED FEASIBLE AT THIS TIME	SI	P8A	
2007	10	3	10/3/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	ORANGE	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	10	3	10/3/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	10	3	10/3/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	10	7	10/7/2007	CALIFORNIA SEA LION	VESSEL STRIKE	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN LOS ANGELES HARBOR; PROPELLER WOUNDS TO VENTRUM	DEAD		
2007	10	7	10/7/2007	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	LOS ANGELES	CA	NSI	FISHING LINE WRAPPED AROUND FLIPPER TAG; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	
2007	10	8	10/8/2007	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	10	9	10/9/2007	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	10	10	10/10/2007	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	10	11	10/11/2007	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	10	12	10/12/2007	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	10	12	10/12/2007	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	10	12	10/12/2007	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; OPEN GILLNET-LIKE WOUND ACROSS BACK ABOVE BOTH FRONT FLIPPERS; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO CHRONIC DOMOIC ACID TOXICITY)	DEAD	P8A	
2007	10	23	10/23/2007	CALIFORNIA SEA LION	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; GREEN MONOFILAMENT GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P8A	
2007	10	25	10/25/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN LUIS OBISPO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	10	25	10/25/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOK & FISHING LURE IN LOWER LEFT SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P2	
2007	10	26	10/26/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	10	28	10/28/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; APPROXIMATELY 70 FISH HOOKS & FISHING LURES (COMBINED) IN MOUTH, ABDOMEN, ALL FLIPPERS, CHEST & EAR; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	10	28	10/28/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	LIVE STRANDING; FISH HOOKS IN MOUTH & RIGHT REAR FLIPPER; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	10	29	10/29/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	11	3	11/3/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	11	10	11/10/2007	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = UNKNOWN)	DEAD	P8A	
2007	11	11	11/11/2007	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	11	15	11/15/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	11	18	11/18/2007	CALIFORNIA SEA LION	BLUNT FORCE TRAUMA: CLUBBING	VENTURA	CA	DEAD	CARCASS; HEAD INJURY; ANIMAL SEEN ALIVE PREVIOUS EVENING; FOUND DEAD WITH BLOOD PRESENT ON RIGHT EAR & MOUTH; LARGE BLOOD-STAINED ROCK FOUND NEXT TO CARCASS	DEAD		

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2007	11	19	11/19/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISHING LURE IN MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P2	
2007	11	19	11/19/2007	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LINCOLN	OR	SI	MONOFILAMENT WRAPPED TIGHTLY AROUND NECK; ANIMAL NOT ACCESSIBLE FOR DISENTANGLEMENT	SI	P8A	
2007	11	27	11/27/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	12	17	12/17/2007	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	12	17	12/17/2007	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET-LIKE WOUNDS TO SHOULDER AREA; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P1	
2007	12	30	12/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	DEAD	1 OF 12 SEA LION CARCASSES ENTANGLED IN ACTIVE MONOFILAMENT GILLNET	DEAD		
2007	12	30	12/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	DEAD	1 OF 12 SEA LION CARCASSES ENTANGLED IN ACTIVE MONOFILAMENT GILLNET	DEAD		
2007	12	30	12/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	DEAD	1 OF 12 SEA LION CARCASSES ENTANGLED IN ACTIVE MONOFILAMENT GILLNET	DEAD		
2007	12	30	12/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	DEAD	1 OF 12 SEA LION CARCASSES ENTANGLED IN ACTIVE MONOFILAMENT GILLNET	DEAD		
2007	12	30	12/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	DEAD	1 OF 12 SEA LION CARCASSES ENTANGLED IN ACTIVE MONOFILAMENT GILLNET	DEAD		
2007	12	30	12/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	DEAD	1 OF 12 SEA LION CARCASSES ENTANGLED IN ACTIVE MONOFILAMENT GILLNET	DEAD		
2007	12	30	12/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	DEAD	1 OF 12 SEA LION CARCASSES ENTANGLED IN ACTIVE MONOFILAMENT GILLNET	DEAD		
2007	12	30	12/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	DEAD	1 OF 12 SEA LION CARCASSES ENTANGLED IN ACTIVE MONOFILAMENT GILLNET	DEAD		
2007	12	30	12/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	DEAD	1 OF 12 SEA LION CARCASSES ENTANGLED IN ACTIVE MONOFILAMENT GILLNET	DEAD		
2007	12	30	12/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	DEAD	1 OF 12 SEA LION CARCASSES ENTANGLED IN ACTIVE MONOFILAMENT GILLNET	DEAD		
2007	12	30	12/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	DEAD	1 OF 12 SEA LION CARCASSES ENTANGLED IN ACTIVE MONOFILAMENT GILLNET	DEAD		
2007	12	30	12/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	DEAD	1 OF 12 SEA LION CARCASSES ENTANGLED IN ACTIVE MONOFILAMENT GILLNET	DEAD		
2007	12	30	12/30/2007	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	DEAD	1 OF 12 SEA LION CARCASSES ENTANGLED IN ACTIVE MONOFILAMENT GILLNET	DEAD		
2008	1	3	1/3/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO MID DORSUM; MORTALITY (ANIMAL DIED IN REHAB, SINGLE BULLET EXTRACTED FROM SUBCUTANEOUS TISSUE IN THORAX DURING NECROPSY)	DEAD	P9	
2008	1	16	1/16/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY/MARINE DEBRIS INGESTION	SAN JOAQUIN	CA	SI	LIVE STRANDING; FISH HOOK IN STOMACH; ANIMAL REGURGITATED PLASTIC BAG & FOAM SPONGE; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P2	
2008	1	16	1/16/2008	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO MID DORSUM; MORTALITY (ANIMAL DIED IN REHAB, SINGLE BULLET EXTRACTED DORSAL TO THORACOLUMBAR VERETEBRAE DURING NECROPSY)	DEAD	P9	
2008	1	20	1/20/2008	CALIFORNIA SEA LION	BAIT BARGE NET ENTANGLEMENT	LOS ANGELES	CA	NSI	ANIMAL ENTANGLED IN PROTECTIVE NETTING ON BAIT BARGE; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	
2008	1	28	1/28/2008	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	SANTA BARBARA	CA	SI	LIVE STRANDING; INNER TUBE BAND CUTTING INTO SHOULDER; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	2	7	2/7/2008	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	3	16	3/16/2008	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO CHEST NEAR LEFT FRONT FLIPPER; RADIOGRAPHS REVEALED TWO BULLETS; ONE BULLET FRAGMENTED INTO FOUR PIECES (ONE SMALL FRAGMENT ABOVE LEFT HUMERUS, TWO SMALL FRAGMENTS ON LEFT SIDE OF CERVICAL VERTEBRAE, ONE LARGE FRAGMENT TO RIGHT OF CERVICAL VERTEBRAE); SECOND INTACT BULLET LOCATED TO LEFT OF CAUDAL THORACIC VERTEBRAE; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, INTACT BULLET EXTRACTED & ANIMAL RELEASED AFTER 30 DAYS OF REHAB)	NSI	P9	

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2008	3	28	3/28/2008	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	3	29	3/29/2008	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	SANTA BARBARA	CA	SI	LIVE STRANDING; PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	4	2	4/2/2008	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO LOWER BACK; MORTALITY (ANIMAL TAKEN INTO REHAB & EUTHANIZED DUE TO CHRONIC DOMOIC ACID TOXICITY; RADIOGRAPHS REVEALED BULLET DORSAL TO SPINE)	DEAD	P9	
2008	4	4	4/4/2008	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	4	7	4/7/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY/MARINE DEBRIS ENTANGLEMENT	SAN DIEGO	CA	NSI	LIVE STRANDING; ANIMAL WRAPPED IN FISHING LINE; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	
2008	4	10	4/10/2008	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO LOWER NECK; MORTALITY (ANIMAL TAKEN INTO REHAB, DIED DURING SURGERY; SINGLE BULLET TO LEFT OF CERVICAL VERTEBRAE EXTRACTED DURING NECROPSY)	DEAD	P9	
2008	4	12	4/12/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN RIGHT FRONT FLIPPER, IN RIGHT HIP AREA & ON ABDOMEN; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	4	14	4/14/2008	CALIFORNIA SEA LION	SALMON/STURGEON SCIENTIFIC RESEARCH ENTRAPMENT	YOLO	CA	DEAD	CARCASS RETRIEVED FROM CDFG FYKE TRAP	DEAD		
2008	4	16	4/16/2008	CALIFORNIA SEA LION	SHOOTING	SUTTER	CA	DEAD	CARCASS; GUNSHOT WOUND TO BACK; FIELD NECROPSY REVEALED EXTENSIVE BLUBBER BRUISING (RED SHOT SPOTS, POSSIBLE BIRD SHOT FROM 12 GAUGE SHOTGUN)	DEAD		
2008	4	17	4/17/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	4	18	4/18/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	4	20	4/20/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	4	25	4/25/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK IN LEFT SIDE OF FACE; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	4	26	4/26/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN RIGHT REAR FLIPPER; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	4	26	4/26/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO ABDOMEN; MORTALITY (DIED DURING TRANSPORT TO REHAB; 4 BULLETS EXTRACTED FROM ABDOMINAL FLUID, 1 BULLET EXTRACTED FROM LEFT KIDNEY, DURING NECROPSY; CAUSE OF DEATH = PERITONITIS DUE TO PERFORATING LESIONS CAUSED BY GUNSHOT)	DEAD	P12	
2008	4	27	4/27/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	5	9	5/9/2008	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET-LIKE WOUND TO NECK AREA; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P1	
2008	5	10	5/10/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; FISH HOOKS IN LEFT EYE & MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	5	11	5/11/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; 6 FISH HOOKS WITH ATTACHED LINE IN BODY; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2008	5	14	5/14/2008	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	5	14	5/14/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	DEAD	CARCASS; GUNSHOT WOUND TO BACK OF HEAD; RADIOGRAPHS REVEALED 3 SHOTGUN PELLETS IN SKULL	DEAD		
2008	5	16	5/16/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	5	17	5/17/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; NUMEROUS FISH HOOKS IN HIP AREA & OTHER PARTS OF BODY; MORTALITY (DIED IN REHAB, CAUSE OF DEATH = UNKNOWN)	DEAD	P5C	
2008	5	18	5/18/2008	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	5	21	5/21/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN MOUTH; MORTALITY (EUTHANIZED IN REHAB DUE TO UROGENITAL CARCINOMA)	DEAD	P5A	
2008	5	23	5/23/2008	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	5	24	5/24/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE EMBEDDED IN ESOPHAGUS AT LEVEL OF LUNGS; MORTALITY (EUTHANIZED IN REHAB DUE TO PERFORATION OF ESOPHAGUS BY FISH HOOK RESULTING IN SEVERE PYOTHORAX & PROBABLE SEPTICEMIA)	DEAD	P2	
2008	5	28	5/28/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY/MARINE DEBRIS ENTANGLEMENT	SAN DIEGO	CA	SI	LIVE STRANDING; FISHING LINES WRAPPED AROUND MOUTH & FLIPPERS; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = SEVERE BRONCHIOINTERSTITIAL PNEUMONIA)	DEAD	P6	
2008	5	28	5/28/2008	CALIFORNIA SEA LION	MARINE DEBRIS INGESTION	SANTA CRUZ	CA	SI	LIVE STRANDING; MORTALITY (EUTHANIZED IN REHAB DUE TO BLINDNESS, NECROPSY REVEALED SMALL BITS OF GREEN PLASTIC IN STOMACH)	DEAD	P9	
2008	5	30	5/30/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN THROAT; MORTALITY (DIED IN REHAB, CAUSE OF DEATH = PERFORATED ULCER & PERITONITIS; NECROPSY REVEALED MULTIPLE SINGLE & TREBLE HOOKS IN STOMACH)	DEAD	P2	
2008	6	1	6/1/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	SI	LIVE STRANDING; MULTIPLE FISH HOOKS IN MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	6	2	6/2/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISHING LURE HANGING FROM MOUTH; MORTALITY (DIED IN REHAB, CAUSE OF DEATH = PYOTHORAX, PNEUMONIA, MYOSITIS)	DEAD	P2	
2008	6	3	6/3/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	LIVE STRANDING; 3 FISH HOOKS IN MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	6	6	6/6/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH, FISH HOOK WOUNDS ON RIGHT FOREFLIPPER; MORTALITY (DIED IN REHAB, CAUSE OF DEATH = CHRONIC-ACTIVE BILATERAL PNEUMONIA)	DEAD	P5A	
2008	6	8	6/8/2008	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND NECK; NON-FATAL INJURY (ANIMAL CAPTURED, DISENTANGLED, & RELEASED ON SITE)	NSI	P7B	
2008	6	9	6/9/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; MULTIPLE FISH HOOKS IN BODY; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	6	11	6/11/2008	CALIFORNIA SEA LION	MARINE DEBRIS INGESTION	SAN MATEO	CA	DEAD	CARCASS; FIELD NECROPSY REVEALED PLASTIC ITEMS BLOCKING INTESTINE	DEAD		
2008	6	13	6/13/2008	CALIFORNIA SEA LION	SHOOTING	ORANGE	CA	DEAD	CARCASS; NECROPSY REVEALED GUNSHOT WOUND TO LEFT CERVICAL AREA WITH SECONDARY JUGULAR VEIN LACERATION & TERMINAL HEMORRHAGE	DEAD		

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, S (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2008	6	14	6/14/2008	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND NECK; NON-FATAL INJURY (ANIMAL CAPTURED, DISENTANGLED & RELEASED ON SITE)	NSI	P7B	
2008	6	14	6/14/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	NSI	LIVE STRANDING; FISH HOOKS IN RIGHT FRONT FLIPPER & BOTH REAR FLIPPERS; MORTALITY (DIED IN REHAB, CAUSE OF DEATH = ACUTE GASTRIC MUCOSAL NECROSIS)	DEAD	P5C	
2008	6	14	6/14/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOKS IN RIGHT REAR FLIPPER & LEFT LOWER LIP; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	6	14	6/14/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	NSI	LIVE STRANDING; FISH HOOKS IN THROAT & REAR FLIPPER; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P2	
2008	6	14	6/14/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; FISHING LURE WITH ATTACHED LINE IN LEFT REAR FLIPPER; NON-FATAL INJURY (ANIMAL EVADED CAPTURE, LURE & LINE FELL OFF ANIMAL DURING CAPTURE ATTEMPT)	NSI	P5C	
2008	6	15	6/15/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	SI	LIVE ANIMAL RETRIEVED FROM NMFS RESEARCH VESSEL TRAWL & RELEASED; FINAL STATUS UNKNOWN	SI	P4	
2008	6	15	6/15/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	SI	LIVE ANIMAL RETRIEVED FROM NMFS RESEARCH VESSEL TRAWL & RELEASED; FINAL STATUS UNKNOWN	SI	P4	
2008	6	15	6/15/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	LIVE ANIMAL RETRIEVED FROM NMFS RESEARCH VESSEL TRAWL & RELEASED; FINAL STATUS UNKNOWN	DEAD		
2008	6	17	6/17/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; MULTIPLE FISH HOOKS IN MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	6	20	6/20/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB, RADIOGRAPHS REVEALED SINGLE SHOTGUN PELLET IN SOFT TISSUE OF MUZZLE WITH NO SIGNIFICANT ASSOCIATED TRAUMA, CAUSE OF DEATH = SEVERE PNEUMONIA & PYOTHORAX OF UNKNOWN ETIOLOGY)	DEAD	P9	
2008	6	21	6/21/2008	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	6	21	6/21/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; MORTALITY (DIED IN REHAB, NECROPSY REVEALED FISH HOOK & FISHING LINE IN STOMACH, CAUSE OF DEATH = SEPTICEMIA)	DEAD	P2	
2008	6	22	6/22/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN MATEO	CA	DEAD	CARCASS; FIELD NECROPSY REVEALED FISHING LURE ATTACHED TO STOMACH WALL	DEAD		
2008	7	5	7/5/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	VENTURA	CA	NSI	LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN BOTH FRONT FLIPPERS; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	7	7	7/7/2008	CALIFORNIA SEA LION	SHOOTING	SANTA CLARA	CA	NSI	LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO CHRONIC DOMOIC ACID TOXICITY, NECROPSY REVEALED SINGLE SHOTGUN PELLET IN NECK)	DEAD	P9	
2008	7	9	7/9/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	7	12	7/12/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISHING LINE PROTRUDING FROM MOUTH; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK LODGED IN PYLORUS; CAUSE OF DEATH = HOOK INGESTION WITH PERFORATION & SEPTIC PERITONITIS)	DEAD	P2	
2008	7	13	7/13/2008	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO MUZZLE; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO GUNSHOT WOUND)	DEAD	P9	
2008	7	15	7/15/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	VENTURA	CA	DEAD	CARCASS; FISH HOOK IN RIGHT EYE; CAUSE OF DEATH = UNKNOWN	DEAD	P5B	

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2008	7	19	7/19/2008	CALIFORNIA SEA LION	SHOOTING	SAN FRANCISCO	CA	NSI	LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO LEPTOSPIROSIS, NECROPSY REVEALED SEVERAL SHOTGUN PELLETS IN RIGHT SUBCUTIS AREA WITHIN BLUBBER LAYER AT BASE OF NECK)	DEAD	P9	
2008	7	22	7/22/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; FISH HOOK IN RIGHT CORNER OF MOUTH; NON-FATAL INJURY (ANIMAL CAPTURED, HOOK REMOVED & ANIMAL RELOCATED)	NSI	P5C	
2008	7	28	7/28/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	HUMBOLDT	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	7	29	7/29/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN MOUTH; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO TRAUMA TO RIGHT HIND FLIPPER, ORIGIN OF TRAUMA UNKNOWN)	DEAD	P5A	
2008	8	2	8/2/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = SHARK BITE, LEPTOSPIROSIS)	DEAD	P5A	
2008	8	4	8/4/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED SINGLE BULLET IN SUBCUTANEOUS TISSUE ON LEFT SIDE OF ABDOMEN; CAUSE OF DEATH = OCULAR TRAUMA OF UNKNOWN ORIGIN, BOTH EYES RUPTURED)	DEAD	P12	
2008	8	7	8/7/2008	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	DEAD	CARCASS; GUNSHOT WOUNDS TO NECK & BACK	DEAD		
2008	8	9	8/9/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK IN RIGHT AXILLARY AREA; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = PNEUMONIA, GASTROINTESTINAL PARASITISM)	DEAD	P5C	
2008	8	12	8/12/2008	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	LIVE STRANDING; GILLNET-LIKE LACERATION AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P1	
2008	8	14	8/14/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	14	8/14/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	14	8/14/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	14	8/14/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	14	8/14/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	14	8/14/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	14	8/14/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	14	8/14/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	15	8/15/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE & SINKER IN BODY; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	8	21	8/21/2008	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; MORTALITY (NECROPSY REVEALED GUNSHOT PELLETS IN ORAL MUCOSA)	DEAD	P9	
2008	8	28	8/28/2008	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND HEAD & UPPER JAW; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	8	31	8/31/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK IN NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	9	2	9/2/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN FLIPPER; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	9	3	9/3/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN FRANCISCO	CA	SI	LIVE STRANDING; FISH HOOK IN RIGHT SIDE OF LOWER JAW; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO PNEUMONIA & OSTEOMYELITIS; NECROPSY REVEALED FISH HOOK IN STOMACH)	DEAD	P2	

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2008	9	6	9/6/2008	CALIFORNIA SEA LION	RESEARCH SCIENTIFIC LONGLINE	VENTURA	CA	NSI	LIVE ANIMAL HOOKED THROUGH LIP DURING NMFS LONGLINE RESEARCH CRUISE; ANIMAL RELEASED ALIVE BY CUTTING LEADER APPROXIMATELY 1 FOOT ABOVE HOOK; FINAL STATUS OF ANIMAL UNKNOWN	NSI	P5B	
2008	9	12	9/12/2008	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO HEAD; MORTALITY (ANIMAL EUTHANIZED IN REHAB; RADIOGRAPHS INDICATED LEAD FRAGMENTS IN HEAD)	DEAD	P9	
2008	9	15	9/15/2008	CALIFORNIA SEA LION	RESEARCH SCIENTIFIC LONGLINE	ORANGE	CA	NSI	LIVE ANIMAL HOOKED THROUGH LIP DURING NMFS LONGLINE RESEARCH CRUISE; ANIMAL RELEASED ALIVE BY CUTTING LEADER APPROXIMATELY 1 FOOT ABOVE HOOK; FINAL STATUS OF ANIMAL UNKNOWN	NSI	P5B	
2008	9	16	9/16/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	DEAD	CARCASS; FISH HOOK IN FLIPPER	DEAD	P5D	
2008	9	16	9/16/2008	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO JAW; MORTALITY (ANIMAL EUTHANIZED IN REHAB, NECROPSY REVEALED BULLET FRAGMENTS IN RIGHT SIDE OF JAW)	DEAD	P9	
2008	9	21	9/21/2008	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	DEAD	CARCASS; GUNSHOT WOUND TO LEFT FLIPPER AXILLARY AREA; FIELD NECROPSY REVEALED TWO BROKEN RIBS, BULLET LODGED IN RIB ON RIGHT SIDE OF BODY	DEAD		
2008	9	21	9/21/2008	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	DEAD	CARCASS; GUNSHOT WOUND TO SIDE; FIELD NECROPSY REVEALED RIB WITH HOLE IN IT	DEAD		
2008	9	22	9/22/2008	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	SI	LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND CHEST & FLIPPERS; NON- FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	9	28	9/28/2008	CALIFORNIA SEA LION	SHOOTING	SONOMA	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO RIGHT EYE; MORTALITY (ANIMAL EUTHANIZED IN REHAB, RADIOGRAPHS SHOWED BULLET IN RIGHT EYE)	DEAD	P9	
2008	10	3	10/3/2008	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	SI	LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	10	6	10/6/2008	CALIFORNIA SEA LION	SHOOTING	MARIN	CA	DEAD	CARCASS; SHOTGUN-LIKE WOUNDS TO NECK & BACK	DEAD		
2008	10	7	10/7/2008	CALIFORNIA SEA LION	SHOOTING	MARIN	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED ON BEACH, SHOTGUN-LIKE WOUND TO BACK)	DEAD	P9	
2008	10	16	10/16/2008	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	10	23	10/23/2008	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	MONTEREY	CA	SI	LIVE STRANDING; PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	10	25	10/25/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO BLINDNESS; NECROPSY REVEALED FISH HOOK WITH ATTACHED LINE EMBEDDED IN TISSUE BEHIND ESOPHAGUS)	DEAD	P2	
2008	10	26	10/26/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED SUBCUTANEOUS HEMORRHAGE & BRUISING IN TEMPORALIS MUSCLE ON RIGHT SIDE OF SKULL; CAUSE OF DEATH PROBABLY RELATED TO SKULL TRAUMA OF UNKNOWN ORIGIN)	DEAD	P5A	
2008	11	2	11/2/2008	CALIFORNIA SEA LION	SHOOTING	SAN FRANCISCO	CA	DEAD	CARCASS; SHOTGUN WOUND TO HEAD	DEAD		
2008	11	5	11/5/2008	CALIFORNIA SEA LION	SHOOTING	ORANGE	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO LEFT EYE; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO UROGENITAL CARCINOMA, BULLET EXTRACTED FROM EYE DURING NECROPSY)	DEAD	P9	
2008	11	6	11/6/2008	CALIFORNIA SEA LION	SHOOTING/MARINE DEBRIS ENTANGLEMENT	SAN DIEGO	CA	SI	LIVE STRANDING; FISHING LINE WRAPPED AROUND NMFS TAG; GUNSHOT WOUNDS TO HEAD & NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P9	
2008	11	7	11/7/2008	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		

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2008	11	7	11/7/2008	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	11	8	11/8/2008	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	11	8	11/8/2008	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	11	9	11/9/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO HEAD; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED BULLET IN RIGHT TEMPORALIS MUSCLE, SKULL FRAGMENT IN BRAIN)	DEAD	P9	
2008	11	11	11/11/2008	CALIFORNIA SEA LION	SHOOTING	LINCOLN	OR	DEAD	SHOTGUN PELLETS COLLECTED	DEAD		
2008	11	23	11/23/2008	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	11	23	11/23/2008	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED ON SITE & RELEASED)	NSI	P7B	
2008	11	23	11/23/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK IN REAR FLIPPER; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = INTERSTITIAL NEPHRITIS)	DEAD	P5D	
2008	11	25	11/25/2008	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	12	10	12/10/2008	CALIFORNIA SEA LION	STAB WOUNDS	SAN DIEGO	CA	SI	LIVE ANIMAL HAULED OUT ON DOCK WITH KNIFE BLADE PROTRUDING FROM BACK; NON-FATAL INJURY (RESCUE PERSONNEL IMMOBILIZED ANIMAL, REMOVED KNIFE BLADE & TREATED ANIMAL ON SITE)	SI	P9	
2008	12	13	12/13/2008	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB, RADIOGRAPHS REVEALED BULLET TRACT ACROSS CRANIUM)	DEAD	P9	
2008	12	19	12/19/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; GUNSHOT WOUNDS TO CHEST; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P12	
2008	12	19	12/19/2008	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED DURING TRANSPORT TO REHAB; COPPER-COVERED LARGE CALIBER BULLET FRAGMENT RETRIEVED FROM RIGHT MANDIBLE DURING NECROPSY)	DEAD	P9	
2008	12	23	12/23/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	NSI	LIVE STRANDING; FISH HOOK IN EYELID; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	12	27	12/27/2008	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2008	12	31	12/31/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK IN LOWER LIP; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = VERMINOUS PNEUMONIA)	DEAD	P5C	
2009	1	2	1/2/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK WITH LINE ATTACHED IN MOUTH, SOME BLOOD INSIDE MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	1	4	1/4/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOK IN TONGUE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	1	8	1/8/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	1	15	1/15/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK IN LEFT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	1	17	1/17/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	NSI	LIVE STRANDING; FISH HOOK IN RIGHT REAR FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	1	18	1/18/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; 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	
2009	1	18	1/18/2009	CALIFORNIA SEA LION	GILLNET FISHERY/MARINE DEBRIS ENTANGLEMENT	SANTA BARBARA	CA	SI	LIVE STRANDING; OLD ENTANGLEMENT WOUND ON NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2009	1	19	1/19/2009	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO LEFT SIDE OF FACE; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO SEPTIC DEGENERATION FROM GUNSHOT)	DEAD	P9	
2009	1	21	1/21/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; 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	
2009	1	26	1/26/2009	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; 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	
2009	1	26	1/26/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; 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	
2009	1	26	1/26/2009	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK CAUSING 3 CENTIMETER DEEP LACERATION; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = UNKNOWN)	DEAD	P8A	
2009	2	3	2/3/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; 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	
2009	2	4	2/4/2009	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; OLD GILLNET WOUND ON DORSAL SIDE OF NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	
2009	2	6	2/6/2009	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	LIVE STRANDING; 2 GUNSHOT WOUNDS TO BACK OF HEAD; MORTALITY (ANIMAL DIED IN REHAB; SMALL BULLET FRAGMENT REMOVED DURING NECROPSY; NECROPSY REVEALED HEMOTHORAX, PULMONARY HEMORRHAGE & SIMPLE TRAUMATIC RIB FRACTURE)	DEAD	P9	
2009	2	6	2/6/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	NSI	LIVE STRANDING; FISH HOOK IN NOSTRIL; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	2	8	2/8/2009	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	NSI	LIVE STRANDING; OLD GILLNET WOUND AROUND NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	
2009	2	8	2/8/2009	CALIFORNIA SEA LION	SHOOTING	SANTA BARBARA	CA	DEAD	DEAD STRANDING; GUNSHOT WOUND TO BACK OF HEAD; CARCASS EXAMINED BY COAL OIL POINT RESERVE PERSONNEL	DEAD		
2009	2	8	2/8/2009	CALIFORNIA SEA LION	SHOOTING	SANTA BARBARA	CA	SI	LIVE STRANDING; SHOTGUN WOUND TO HEAD; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	
2009	2	15	2/15/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MARIN	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND HEAD & JAW; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	2	19	2/19/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; 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	

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2009	2	20	2/20/2009	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	VENTURA	CA	SI	LIVE STRANDING; FAN BELT AROUND HEAD/NECK AREA; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	2	20	2/20/2009	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO HINDFLIPPER; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO GUNSHOT; .22 CALIBER BULLET REMOVED FROM LEFT OF TIBIA MEDIAL CONDYLE	DEAD	P9	
2009	2	23	2/23/2009	CALIFORNIA SEA LION	BAIT BARGE NET ENTANGLEMENT	SAN DIEGO	CA	DEAD	DEAD ANIMAL DISCOVERED INSIDE U.S. NAVY MARINE MAMMAL PROGRAM BAIT PEN	DEAD		
2009	2	28	2/28/2009	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = UNKNOWN)	DEAD	P8A	
2009	3	1	3/1/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK IN LOWER RIGHT JAW; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	3	3	3/3/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	NSI	LIVE STRANDING; FISH HOOKS IN FRONT & REAR FLIPPERS; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	3	14	3/14/2009	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	MONTEREY	CA	SI	LIVE STRANDING; PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	
2009	3	14	3/14/2009	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	MONTEREY	CA	SI	LIVE STRANDING; HARD PLASTIC GASKET AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	
2009	3	18	3/18/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	KING	WA	SI	SEA LION HAULED OUT ON BUOY WITH MONOFILAMENT FISHING LINE AROUND NECK	SI	P8A	
2009	3	19	3/19/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	NSI	LIVE STRANDING; FISH HOOK IN LEFT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	3	22	3/22/2009	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	MONTEREY	CA	SI	LIVE STRANDING; BLACK RUBBER BELT (FAN BELT?) AROUND LOWER NECK, CUTTING INTO SHOULDERS, WOUND BLEEDING ; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P8A	
2009	3	26	3/26/2009	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; OLD GILLNET WOUND AROUND NECK, TISSUE NECROTIC & INFECTED, NO GEAR ON ANIMAL; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P1	
2009	4	1	4/1/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	NSI	LIVE STRANDING; FISH HOOK IN FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	4	12	4/12/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	4	13	4/13/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	LIVE STRANDING; 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	
2009	4	18	4/18/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN FLIPPER; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO SEVERE HYPOGLYCEMIA)	DEAD	P9	
2009	4	19	4/19/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	4	24	4/24/2009	CALIFORNIA SEA LION	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	
2009	4	25	4/25/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	4	26	4/26/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	LIVE STRANDING; ANIMAL WRAPPED IN FISHING LINE WITH MULTIPLE FISH HOOKS IN BACK & MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	4	30	4/30/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	4	30	4/30/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	1	5/1/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		

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2009	5	2	5/2/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISHING LURE IN LEFT CHEEK, ATTACHED FISHING LINE WRAPPED AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	3	5/3/2009	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	MONTEREY	CA	SI	LIVE STRANDING; THICK TAN CANVAS WRAPPED AROUND LOWER NECK; MORTALITY (ANIMAL DIED IN REHAB WHILE UNDER ANESTHESIA)	DEAD	P8A	
2009	5	5	5/5/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	NSI	LIVE STRANDING; FISH HOOK IN RIGHT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	5	5/5/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	5	8	5/8/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	NSI	LIVE STRANDING; FISH HOOK IN VENTRUM; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	8	5/8/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK IN LOWER RIGHT LIP; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	9	5/9/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	9	5/9/2009	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	MONTEREY	CA	SI	LIVE STRANDING; PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	5	10	5/10/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	NSI	LIVE STRANDING; BARBED FLY HOOK IN LEFT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	11	5/11/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	NSI	LIVE STRANDING; FISH HOOK IN RIGHT FOREFLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	13	5/13/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	14	5/14/2009	CALIFORNIA SEA LION	STAB WOUNDS	LOS ANGELES	CA	DEAD	DEAD STRANDING; 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 PERSONNEL	DEAD		
2009	5	14	5/14/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	DEAD	DEAD STRANDING; 12 INCHES OF FISHING LINE EXTENDING FROM MOUTH; NECROPSY REVEALED PENETRATION OF ESOPHAGEAL WALL BY FISH HOOK	DEAD		
2009	5	14	5/14/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN MATEO	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P8A	
2009	5	16	5/16/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	NSI	LIVE STRANDING; FISH HOOK IN HINDFLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	17	5/17/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	18	5/18/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; 2 FISH HOOKS IN RIGHT FRONT FLIPPER; MORTALITY (EUTHANIZED IN REHAB DUE TO SEVERE EMACIATION)	DEAD	P1	
2009	5	19	5/19/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	19	5/19/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	DEAD	DEAD STRANDING; 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		
2009	5	20	5/20/2009	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	MONTEREY	CA	SI	LIVE STRANDING; BLACK RUBBER GASKET AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	
2009	5	23	5/23/2009	CALIFORNIA SEA LION	CAR COLLISION	ALAMEDA	CA	DEAD	DEAD STRANDING; NECROPSY REVEALED FRACTURED SKULL, BROKEN RIBS, THORACIC HEMORRHAGE & ABDOMINAL ORGANS PUSHED UP INTO CHEST CAVITY	DEAD		

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2009	5	23	5/23/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	23	5/23/2009	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO LEFT SIDE OF BODY; MORTALITY (ANIMAL EUTHANIZED IN REHAB; BULLET RETRIEVED FROM SOFT TISSUE OF LEFT LATERAL THORAX)	DEAD	P12	
2009	5	24	5/24/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; 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; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = UNKNOWN)	DEAD	P5A	
2009	5	24	5/24/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; FISH HOOK IN LOWER LIP; NON-FATAL INJURY (HOOK REMOVED ON SITE, ANIMAL RELOCATED & RELEASED)	NSI	P5C	
2009	5	25	5/25/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	VENTURA	CA	SI	LIVE STRANDING; FISH HOOKS IN LEFT FRONT FLIPPER & IN CORNER OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	25	5/25/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	NSI	LIVE STRANDING; FISH HOOK IN LEFT FOREFLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	26	5/26/2009	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	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	
2009	5	26	5/26/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOKS IN RIGHT REAR FLIPPER & RIGHT LOWER LIP; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & PARASITISM)	DEAD	P5A	
2009	5	26	5/26/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; 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	
2009	5	27	5/27/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	27	5/27/2009	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	SANTA CRUZ	CA	SI	LIVE STRANDING; STRING AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	
2009	5	28	5/28/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	28	5/28/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOKS IN FLIPPERS; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	29	5/29/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK IN FACE; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = UNKNOWN)	DEAD	P5B	
2009	5	29	5/29/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	NSI	LIVE STRANDING; FISH HOOK IN FACE ABOVE RIGHT EYE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	30	5/30/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	30	5/30/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISHING LURE IN LEFT SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	SI	P2	
2009	5	30	5/30/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOKS IN RIGHT FRONT FLIPPER, LEFT FRONT FLIPPER, & IN FACE ABOVE RIGHT EYE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	31	5/31/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	VENTURA	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	31	5/31/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	VENTURA	CA	SI	LIVE STRANDING; FISHING LURE WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	SI	P2	
2009	5	31	5/31/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	NSI	LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN BACK & JUST ABOVE RIGHT EYE; NON-FATAL INJURY (HOOKS REMOVED & ANIMAL RELEASED ON SITE)	NSI	P5C	

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2009	6	2	6/2/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	4	6/4/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN SHOULDER; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & SEPTICEMIA)	DEAD	P1	
2009	6	6	6/6/2009	CALIFORNIA SEA LION	SHOOTING	ORANGE	CA	SI	LIVE STRANDING; 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	
2009	6	6	6/6/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK IN UPPER LIP; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	7	6/7/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	VENTURA	CA	SI	LIVE STRANDING; 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	
2009	6	7	6/7/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	VENTURA	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	7	6/7/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & PNEUMONIA)	DEAD	P5A	
2009	6	7	6/7/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	NSI	LIVE STRANDING; FISH HOOK IN HINDFLIPPER; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P1	
2009	6	8	6/8/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN LEFT FRONT FLIPPER & IN TONGUE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	8	6/8/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	VENTURA	CA	NSI	LIVE STRANDING; FISH HOOK IN HEAD BEHIND RIGHT EAR; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	8	6/8/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; FISH HOOK IN LOWER LEFT EYELID, FISH HOOK IN LOWER LIP; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P5A	
2009	6	8	6/8/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN THROAT; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P5A	
2009	6	9	6/9/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT FRONT FLIPPER; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PERFORATED ULCER & MALNUTRITION)	DEAD	P1	
2009	6	9	6/9/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; FISH HOOKS IN RIGHT FRONT FLIPPER & LEFT & RIGHT REAR FLIPPERS; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P1	
2009	6	10	6/10/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; FISH HOOK IN LEFT VENTRAL SHOULDER AREA; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	10	6/10/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; FISH HOOK IN BOTH LIPS; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	10	6/10/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; MORTALITY (NECROPSY REVEALED FISHING LURE IN STOMACH; CAUSE OF DEATH = MALNUTRITION & LYMPH NODE ABSCESS)	DEAD	P2	
2009	6	12	6/12/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK IN LOWER LEFT JAW; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	12	6/12/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	6	13	6/13/2009	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	DEAD	DEAD STRANDING; GILLNET FRAGMENT AROUND NECK; CARCASS EXAMINED BY CHANNEL ISLANDS MARINE & WILDLIFE INSTITUTE PERSONNEL	DEAD	P8A	

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2009	6	13	6/13/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	VENTURA	CA	SI	LIVE STRANDING; FISH HOOK WITH LINE ATTACHED IN LEFT SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	13	6/13/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; 10 FISH HOOKS WITH ATTACHED LINE & 3 POUND WEIGHT IN & WRAPPED AROUND FLIPPERS, CHEST & BACK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	13	6/13/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; TREBLE FISH HOOK IN RIGHT CHEEK; NON-FATAL INJURY (HOOK REMOVED & ANIMAL RELEASED ON SITE)	NSI	P5C	
2009	6	14	6/14/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P8A	
2009	6	15	6/15/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	15	6/15/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	SI	LIVE STRANDING; FISH HOOKS IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	16	6/16/2009	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; 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	
2009	6	19	6/19/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	6	19	6/19/2009	CALIFORNIA SEA LION	HOOK & 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	
2009	6	19	6/19/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE & SINKER IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & PNEUMONIA)	DEAD	P5A	
2009	6	19	6/19/2009	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	SANTA BARBARA	CA	SI	LIVE STRANDING; PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	6	20	6/20/2009	CALIFORNIA SEA LION	SHOOTING/SPEARING	SAN DIEGO	CA	DEAD	DEAD STRANDING; 3 CENTIMETER DIAMETER HOLE IN VENTRAL THORAX EXTENDING 7 CENTIMETERS, PENETRATING LUNG; HEMMORRHAGE IN MUSCLE SURROUNDING WOUND; CARCASS EXAMINED BY SWFSC PERSONNEL	DEAD		
2009	6	20	6/20/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; 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	
2009	6	20	6/20/2009	CALIFORNIA SEA LION	SHOOTING	VENTURA	CA	DEAD	DEAD STRANDING; METAL DETECTOR SCANNED POSITIVE; CARCASS EXAMINED BY CHANNEL ISLANDS MARINE & WILDLIFE INSTITUTE PERSONNEL	DEAD		
2009	6	20	6/20/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN MATEO	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PERFORATED ULCER, PERITONITIS & MALNUTRITION)	DEAD	P8A	
2009	6	21	6/21/2009	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	6	21	6/21/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN MATEO	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	6	21	6/21/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK & IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION, PERFORATED ULCER & SEPTICEMIA)	DEAD	P8A	
2009	6	21	6/21/2009	CALIFORNIA SEA LION	GILLNET FISHERY/MARINE DEBRIS ENTANGLEMENT	SANTA BARBARA	CA	NSI	LIVE STRANDING; OLD ENTANGLEMENT WOUND ON NECK. NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	
2009	6	21	6/21/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	

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2009	6	24	6/24/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; 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	
2009	6	25	6/25/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & VERMINOUS PNEUMONIA)	DEAD	P5A	
2009	6	26	6/26/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; 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	
2009	6	26	6/26/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN FRANCISCO	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED SINKER IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	26	6/26/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK & FISHING LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	
2009	6	27	6/27/2009	CALIFORNIA SEA LION	BLUNT FORCE TRAUMA: CLUBBING	LOS ANGELES	CA	SI	LIVE STRANDING; 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 & MEDIALY & 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	
2009	6	27	6/27/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; BLUE FLASHER FISHING LURE IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & VERMINOUS PNEUMONIA)	DEAD	P2	
2009	6	27	6/27/2009	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	LIVE STRANDING; 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	
2009	6	27	6/27/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MARIN	CA	NSI	LIVE STRANDING; FISH HOOK IN BACK; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION, ABSCESS & PNEUMONIA)	DEAD	P9	
2009	6	28	6/28/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	LIVE STRANDING; 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	
2009	6	28	6/28/2009	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	NSI	LIVE STRANDING; OLD HEALED GILLNET WOUND ON NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL CAPTURED & RELOCATED TO LESS POPULATED BEACH)	NSI	P1	
2009	6	28	6/28/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; 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	
2009	6	28	6/28/2009	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	SAN FRANCISCO	CA	SI	LIVE STRANDING; THIN BLACK RUBBER CORD AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PERITONITIS & PERFORATED ULCER)	DEAD	P8A	
2009	6	28	6/28/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	NSI	LIVE STRANDING; FISH HOOK IN LOWER LIP; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	

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2009	6	29	6/29/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; 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	
2009	6	29	6/29/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	VENTURA	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	29	6/29/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	NSI	LIVE STRANDING; FISH HOOK IN UPPER LIP, TWO FISH HOOKS IN LEFT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	1	7/1/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN FRANCISCO	CA	SI	LIVE STRANDING; FISHING LURE WITH ATTACHED LINE IN RIGHT SIDE OF MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	
2009	7	1	7/1/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	NSI	LIVE STRANDING; FISH HOOK IN LEFT REAR FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	2	7/2/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	2	7/2/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO MASSIVE SHARK BITE WOUND TO ABDOMEN)	DEAD	P9	
2009	7	2	7/2/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK & FISHING LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	
2009	7	2	7/2/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; MULTIPLE FISH HOOKS IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	3	7/3/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; MULTIPLE FISH HOOKS IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PNEUMONIA)	DEAD	P5A	
2009	7	3	7/3/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; FISH HOOKS IN MOUTH, CHEEK & REAR FLIPPERS; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P5A	
2009	7	3	7/3/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	4	7/4/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; FISHING LURE WITH ATTACHED LINE IN LEFT UPPER LIP; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	
2009	7	4	7/4/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; 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	
2009	7	4	7/4/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; 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	
2009	7	5	7/5/2009	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET FRAGMENT EMBEDDED IN HEAD; NON-FATAL INJURY (ANIMAL PERMANENTLY TRANSFERRED TO U.S. NAVY MARINE MAMMAL PROGRAM)	CAPTIVITY	P8A	
2009	7	5	7/5/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK & FISHING LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	
2009	7	5	7/5/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN LUIS OBISPO	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT SIDE OF BODY; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = VERMINOUS PNEUMONIA & MALNUTRITION)	DEAD	P9	

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2009	7	5	7/5/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; 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	
2009	7	6	7/6/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	6	7/6/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK IN LOWER LEFT LIP; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	6	7/6/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN LUIS OBISPO	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN RIGHT REAR HIP AREA; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	6	7/6/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN LUIS OBISPO	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN RIGHT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	7	7/7/2009	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	7	7	7/7/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	NSI	LIVE STRANDING; SMALL FISH HOOK IN RIGHT SIDE OF BODY; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	7	7/7/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK IN LEFT EYELID; MORTALITY (ANIMAL DIED IN REHAB FROM PERFORATED EYE CAUSED BY ABRASION FROM FISH HOOK & RESULTING INFECTION)	DEAD	P5B	
2009	7	7	7/7/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; 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	
2009	7	8	7/8/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; 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		
2009	7	8	7/8/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; 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	
2009	7	8	7/8/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; SMALL GOLD FISH HOOKS IN RIGHT EYELID, LEFT SIDE OF MOUTH & LEFT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	8	7/8/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN MATEO	CA	SI	LIVE STRANDING; 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	
2009	7	8	7/8/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; RUBBER FISHING LURE WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	SI	P2	
2009	7	8	7/8/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN MATEO	CA	SI	LIVE STRANDING; 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	
2009	7	8	7/8/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK WITH ATTACHED LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	
2009	7	10	7/10/2009	CALIFORNIA SEA LION	MARINE DEBRIS INGESTION	SAN FRANCISCO	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED ELASTIC BAND IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2009	7	12	7/12/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	LIVE STRANDING; LIGHT GREEN GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	7	12	7/12/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	LIVE STRANDING; PINK GILLNET FRAGMENT AROUND NECK, CUTTING INTO TRACHEA; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P8A	
2009	7	12	7/12/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; MULTIPLE FISH HOOKS WITH ATTACHED LINE IN MOUTH, SHOULDER & FLIPPERS; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	13	7/13/2009	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	NSI	LIVE STRANDING; RADIOGRAPHS REVEALED 4 BULLET FRAGMENTS IN SHOULDER REGION; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB WITH BULLET FRAGMENTS INTACT)	NSI	P9	
2009	7	13	7/13/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MARIN	CA	SI	LIVE STRANDING; FISHING LINE HANGING FROM MOUTH, THREE FISH HOOKS REMOVED FROM INSIDE THROAT THROUGH ENDOSCOPY; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = UNKNOWN)	DEAD	P2	
2009	7	14	7/14/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; 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	
2009	7	15	7/15/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SONOMA	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	15	7/15/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; 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	
2009	7	15	7/15/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	NSI	LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN NOSE & BACK, FISHING LINE WOUND LOOSELY AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	16	7/16/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	NSI	LIVE STRANDING; 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	
2009	7	17	7/17/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED ADDITIONAL FISH HOOKS IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	
2009	7	18	7/18/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN LUIS OBISPO	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT REAR FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	18	7/18/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; FISH HOOK IN NOSE; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PNEUMONIA & MALNUTRITION)	DEAD	P5B	
2009	7	19	7/19/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	7	19	7/19/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK IN CORNER OF MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & SEVERE PULMONARY & GASTROINTESTINAL PARASITISM)	DEAD	P5A	
2009	7	19	7/19/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN MATEO	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN REAR FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	19	7/19/2009	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	MONTEREY	CA	SI	LIVE STRANDING; THIN WHITE PACKING STRAP AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P8A	
2009	7	19	7/19/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2009	7	20	7/20/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; FISHING LURE WITH ATTACHED LINE IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	
2009	7	20	7/20/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	20	7/20/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; PINK GILLNET FRAGMENT AROUND NECK & EARS; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P8A	
2009	7	21	7/21/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	21	7/21/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN RIGHT SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	24	7/24/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE & SWIVEL IN OUTER LIP; NON-FATAL INJURY (FISHING GEAR REMOVED & ANIMAL RELEASED ON SITE)	NSI	P5C	
2009	7	25	7/25/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; FISH HOOK IN LEFT DORSUM; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	26	7/26/2009	CALIFORNIA SEA LION	SHOOTING	HUMBOLDT	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO LEFT FRONT FLIPPER; MORTALITY (EUTHANIZED IN REHAB DUE TO GUNSHOT WOUND)	DEAD	P9	
2009	7	26	7/26/2009	CALIFORNIA SEA LION	SHOOTING/SPEARING	LOS ANGELES	CA	SI	LIVE STRANDING; 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	
2009	7	26	7/26/2009	CALIFORNIA SEA LION	CAR COLLISION	HUMBOLDT	CA	DEAD	CARCASS IN MIDDLE OF ROAD; CARCASS EXAMINED BY HSU-VM PERSONNEL	DEAD		
2009	7	26	7/26/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO VERMINOUS PNEUMONIA; NECROPSY REVEALED FISH HOOK & FISHING LINE IN STOMACH)	DEAD	P2	
2009	7	26	7/26/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK & LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	
2009	7	26	7/26/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL DIED DURING TRANSPORT TO REHAB; PRIMARY CAUSE OF DEATH = PNEUMONIA, SECONDARY CAUSE OF DEATH = ENTANGLEMENT)	DEAD	P8A	
2009	7	28	7/28/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; SMALL GOLD FISH HOOK IN TOP OF NOSE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	28	7/28/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; FISH HOOKS IN MOUTH & LEFT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	30	7/30/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY/MARINE DEBRIS ENTANGLEMENT	SAN FRANCISCO	CA	NSI	LIVE STRANDING; 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	
2009	7	31	7/31/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN MATEO	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LIP; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	8	1	8/1/2009	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	LIVE STRANDING; 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	

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2009	8	2	8/2/2009	CALIFORNIA SEA LION	SHOOTING	VENTURA	CA	DEAD	DEAD STRANDING; METAL DETECTOR SCANNED POSITIVE; CARCASS EXAMINED BY CHANNEL ISLANDS MARINE & WILDLIFE INSTITUTE PERSONNEL	DEAD		
2009	8	2	8/2/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN FRANCISCO	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK WITH ATTACHED LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION & SEPTICEMIA)	DEAD	P2	
2009	8	3	8/3/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK IN RIGHT CORNER OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	8	3	8/3/2009	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI	LIVE STRANDING; 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)	NSI	P9	
2009	8	4	8/4/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	DEL NORTE	CA	NSI	LIVE STRANDING; FISH HOOK IN RIGHT EAR; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	8	4	8/4/2009	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	DEAD	DEAD STRANDING; GUNSHOT WOUNDS TO JAW & HEAD (BULLET HOLE IN MAXILLA, BULLET HOLE IN CRANIUM); CARCASS EXAMINED BY CAS PERSONNEL	DEAD		
2009	8	6	8/6/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; RUBBER FISH-SHAPED FISHING LURE WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	SI	P2	
2009	8	7	8/7/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; FISH HOOK IN NECK; NON- FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	8	9	8/9/2009	CALIFORNIA SEA LION	SHOOTING	SAN FRANCISCO	CA	SI	LIVE STRANDING; 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	
2009	8	9	8/9/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	SI	LIVE STRANDING; FISH HOOKS IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	8	10	8/10/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; 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	
2009	8	10	8/10/2009	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED PELLETS IN LEFT THORAX; CAUSE OF DEATH = MALNUTRITION & VERMINOUS PNEUMONIA)	DEAD	P12	
2009	8	11	8/11/2009	CALIFORNIA SEA LION	SHOOTING	MARIN	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; RADIOGRAPHS REVEALED PELLETS UNDER SKIN IN CHEST & IN RIGHT REAR FLIPPER; CAUSE OF DEATH = VERMINOUS PNEUMONIA & MALNUTRITION)	DEAD	P12	
2009	8	12	8/12/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	DEAD	DEAD STRANDING; GUNSHOT-LIKE WOUND TO ABDOMEN; REPORT RECEIVED VIA PRIVATE CITIZEN	DEAD		
2009	8	12	8/12/2009	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	MONTEREY	CA	SI	LIVE STRANDING; PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	8	14	8/14/2009	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	DEAD	DEAD STRANDING; GUNSHOT WOUNDS TO HEAD (BULLET HOLES IN CRANIUM); CARCASS EXAMINED BY CAS PERSONNEL	DEAD		
2009	8	14	8/14/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	NSI	LIVE STRANDING; FISH HOOK IN LEFT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	8	14	8/14/2009	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO UPPER PALATE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2009	8	15	8/15/2009	CALIFORNIA SEA LION	GILLNET FISHERY/MARINE DEBRIS ENTANGLEMENT	MONTEREY	CA	NSI	LIVE STRANDING; OLD ENTANGLEMENT SCAR ON NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED ON SITE)	NSI	P7B	
2009	8	15	8/15/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	
2009	8	15	8/15/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; 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	
2009	8	16	8/16/2009	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED BIRD SHOT IN THORAX AREA; CAUSE OF DEATH = MALNUTRITION & INFECTION FROM LEFT FRONT FLIPPER ABSCESS)	DEAD	P9	
2009	8	18	8/18/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN MATEO	CA	SI	LIVE STRANDING; FISHING LINE COMING FROM MOUTH; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK IN STOMACH; CAUSE OF DEATH = UNKNOWN)	DEAD	P2	
2009	8	19	8/19/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN RIGHT LOWER LIP; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & VERMINOUS PNEUMONIA)	DEAD	P5B	
2009	8	22	8/22/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MARIN	CA	SI	LIVE STRANDING; TREBLE HOOK WITH LINE ATTACHED IN MOUTH, FISHING LINE WRAPPED AROUND REAR FLIPPERS; NON- FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	8	23	8/23/2009	CALIFORNIA SEA LION	GILLNET FISHERY/MARINE DEBRIS ENTANGLEMENT	SAN LUIS OBISPO	CA	NSI	LIVE STRANDING; 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	
2009	8	23	8/23/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	LIVE STRANDING; FISHING LINE COMING FROM MOUTH; RADIOGRAPHS REVEALED FISH HOOK IN STOMACH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	SI	P2	
2009	8	24	8/24/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; LEFT REAR LIMB PARALYSIS; MORTALITY (ANIMAL EUTHANIZED IN REHAB; RADIOGRAPHS REVEALED BULLET ADJACENT TO SPINE)	DEAD	P9	
2009	8	25	8/25/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	8	26	8/26/2009	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO LEFT FRONT FLIPPER ABSCESS; NECROPSY REVEALED PELLET IN LEFT SHOULDER)	DEAD	P9	
2009	8	30	8/30/2009	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	DEAD	DEAD STRANDING; GUNSHOT WOUNDS TO DORSAL HIND END & CHEST; BULLET HOLE IN RIB; LARGE AMOUNT OF BLOOD INSIDE THORACIC & ABDOMINAL CAVITIES; CARCASS EXAMINED BY CAS PERSONNEL	DEAD		
2009	9	1	9/1/2009	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	LIVE STRANDING; RADIOGRAPHS REVEALED TWO PELLETS IN CHEST; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PERFORATED ULCER & PERITONITIS)	DEAD	P9	
2009	9	5	9/5/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; BLUE GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	9	7	9/7/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN MATEO	CA	NSI	LIVE STRANDING; FISH HOOK IN RIGHT REAR FLIPPER; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO SHARK BITE WOUND TO HINDQUARTERS)	DEAD	P9	
2009	9	8	9/8/2009	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	LIVE STRANDING; 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	

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2009	9	12	9/12/2009	CALIFORNIA SEA LION	MARINE DEBRIS INGESTION	MONTEREY	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO CHRONIC DOMOIC ACID TOXICITY; NECROPSY REVEALED SINGLE PIECE OF BLACK PLASTIC IN STOMACH)	DEAD	P2	
2009	9	18	9/18/2009	CALIFORNIA SEA LION	RESEARCH SCIENTIFIC LONGLINE	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	
2009	9	20	9/20/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; RADIOGRAPHS REVEALED PELLETS IN SKULL & RIGHT FRONT FLIPPER; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = DROWNING)	DEAD	P9	
2009	9	21	9/21/2009	CALIFORNIA SEA LION	VESSEL STRIKE	LINCOLN	OR	SI	SEVERE INJURY TO RIGHT HIP AREA; ANIMAL CONTINUED TO SWIM AND HAUL OUT ON FLOATING DOCK; WAS OBSERVED FOR OVER TWO WEEKS. UNKNOWN WHETHER HE SURVIVED OR NOT BUT INJURY APPEARED TO BE LIFE THREATENING; ANIMAL LEFT THE SITE	SI	P15	
2009	9	22	9/22/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	9	22	9/22/2009	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	LIVE STRANDING; GUNSHOT WOUNDS TO LEFT EYE & HEAD; RADIOGRAPHS REVEALED PELLETS IN HEAD; NON-FATAL INJURY (ANIMAL TRANSFERRED TO CLEVELAND ZOO FOR PERMANENT PUBLIC DISPLAY)	CAPTIVITY	P9	
2009	9	22	9/22/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MARIN	CA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO INFECTION FROM FACE ABSCESS)	DEAD	P5A	
2009	9	29	9/29/2009	CALIFORNIA SEA LION	MARINE DEBRIS INGESTION	MARIN	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO BLINDNESS; NECROPSY REVEALED PLASTIC BAG & FRACTURED RIB IN STOMACH)	DEAD	P2	
2009	9	30	9/30/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MARIN	CA	DEAD	DEAD STRANDING; GILLNET FRAGMENT AROUND NECK; CARCASS EXAMINED BY CAS PERSONNEL	DEAD	P8A	
2009	10	2	10/2/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LIP; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	10	2	10/2/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN LUIS OBISPO	CA	NSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT AXILLARY REGION; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO DOMOIC ACID TOXICITY)	DEAD	P9	
2009	10	4	10/4/2009	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO LEFT EYE. PELLETT EXTRACTED; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = DOMOIC ACID TOXICITY)	DEAD	P9	
2009	10	9	10/9/2009	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	NSI	LIVE STRANDING; OLD GILLNET WOUND ON NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	
2009	10	10	10/10/2009	CALIFORNIA SEA LION	BLUNT FORCE TRAUMA: CLUBBING	LOS ANGELES	CA	SI	LIVE STRANDING; BILATERAL FRACTURE OF MANDIBLE; NECROTIC MANDIBLE BONE FRAGMENTS; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P9	
2009	10	10	10/10/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN DIEGO	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	
2009	10	12	10/12/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; FISH HOOK IN CHIN; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	10	13	10/13/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	LIVE STRANDING; OLD GILLNET SCAR ON NECK, NO GEAR ON ANIMAL; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = UNKNOWN)	DEAD	P8A	

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2009	10	14	10/14/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	LIVE STRANDING; 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	
2009	10	19	10/19/2009	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	MENDOCINO	CA	SI	LIVE STRANDING; 3-4 LAYERS OF DUCT TAPE AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	10	20	10/20/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	10	20	10/20/2009	CALIFORNIA SEA LION	SHOOTING	MASON	WA	DEAD	BULLET IN HEAD	DEAD		
2009	10	23	10/23/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN LUIS OBISPO	CA	NSI	LIVE STRANDING; 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 LONGS MARINE LABORATORY FOR PERMANENT INCORPORATION INTO THEIR LIVE ANIMAL COLLECTION	CAPTIVITY	P5C	
2009	10	24	10/24/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	LIVE STRANDING; 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	
2009	10	24	10/24/2009	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO REPEATED SEZURES LINKED TO DOMOIC ACID TOXICITY)	DEAD	P8A	
2009	10	24	10/24/2009	CALIFORNIA SEA LION	ROPE	MARIN	CA	DEAD	DEAD STRANDING; 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 PERSONNEL	DEAD		
2009	10	26	10/26/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK IN ESOPHAGEAL WALL; CAUSE OF DEATH = SEVERE PNEUMONIA)	DEAD	P2	
2009	10	26	10/26/2009	CALIFORNIA SEA LION	SHOOTING	MARIN	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO RIGHT EYE, RADIOGRAPHS REVEALED SINGLE BULLET IN EYE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB, BULLET WAS NOT EXTRACTED)	NSI	P9	
2009	10	28	10/28/2009	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	10	31	10/31/2009	CALIFORNIA SEA LION	SPRAY PAINTING	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; ORANGE SPRAY PAINT ON RIGHT SIDE OF HEAD, RIGHT FLIPPER & RIGHT FLANK; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO DOMOIC ACID TOXICITY)	DEAD	P9	
2009	11	3	11/3/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB; PRIMARY CAUSE OF DEATH = MALNUTRITION, SECONDARY CAUSE OF DEATH = ENTANGLEMENT)	DEAD	P8A	
2009	11	4	11/4/2009	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	

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2009	11	5	11/5/2009	CALIFORNIA SEA LION	ROPE	MARIN	CA	DEAD	DEAD STRANDING; 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 PERSONNEL	DEAD		
2009	11	7	11/7/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN FRANCISCO	CA	DEAD	LIVE STRANDING; 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 PERSONNEL	DEAD		
2009	11	10	11/10/2009	CALIFORNIA SEA LION	SHOOTING	YOLO	CA	SI	LIVE STRANDING; GUNSHOT WOUNDS TO FACE & NOSE; RADIOGRAPHS REVEALED NUMEROUS PELLETS & LEAD FRAGMENTS IN HEAD BUT NONE ENTERING BRAIN CAVITY; NON-FATAL INJURY (ANIMAL TRANSFERRED TO SIX FLAGS DISCOVERY KINGDOM IN VALLEJO FOR PERMANENT PUBLIC DISPLAY)	CAPTIVITY	P9	
2009	11	15	11/15/2009	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2009	11	20	11/20/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	11	23	11/23/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	11	23	11/23/2009	CALIFORNIA SEA LION	VESSEL STRIKE	DEL NORTE	CA	SI	LIVE STRANDING; SEVERE PROPELLER WOUNDS TO RIGHT FRONT FLIPPER & SHOULDER; MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P9	
2009	12	4	12/4/2009	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2009	12	5	12/5/2009	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2009	12	6	12/6/2009	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2009	12	9	12/9/2009	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	12	10	12/10/2009	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2009	12	11	12/11/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	DEAD	LIVE STRANDING; 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		
2010	1	4	1/4/2010	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	BULLET FRAGMENTS IN SKULL	DEAD		
2010	1	6	1/6/2010	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	BULLETS FOUND DURING NECROPSY	DEAD		
2010	1	9	1/9/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2010	1	12	1/12/2010	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	LINCOLN	OR	SI	PACKING BAND OR MONOFILAMENT WRAPPED AROUND LOWER NECK	SI	P8A	
2010	1	12	1/12/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2010	1	23	1/23/2010	CALIFORNIA SEA LION	VESSEL STRIKE	SAN DIEGO	CA	SI	BOAT COLLISION, MULTIPLE LACERATIONS, BROKEN BONES, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P15	
2010	1	24	1/24/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	MONTEREY	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	1	27	1/27/2010	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	BULLET HOLE IN HEAD	DEAD		
2010	2	7	2/7/2010	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	BULLET FOUND DURING NECROPSY	DEAD		
2010	2	8	2/8/2010	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	SI	GILLNET ENTANGLEMENT, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	2	9	2/9/2010	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	BULLET FOUND IN BRAIN CAVITY	DEAD		
2010	2	10	2/10/2010	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	BULLETS FOUND IN DORSAL MUSCLE	DEAD		
2010	2	11	2/11/2010	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	ORANGE	CA	SI	RUBBER BAND AROUND NECK, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	2	13	2/13/2010	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	BULLET FRAGMENTS FOUND IN MUSCLE	DEAD		
2010	2	14	2/14/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	LOS ANGELES	CA	SI	GILLNET-LIKE LACERATIONS AROUND CIRCUMFERENCE OF ANIMAL, DIED IN REHAB	DEAD		
2010	2	14	2/14/2010	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	BULLETS FOUND IN BRAIN	DEAD		
2010	2	15	2/15/2010	CALIFORNIA SEA LION	VESSEL STRIKE	DEL NORTE	CA	SI	PROPELLOR WOUNDS ON ANIMAL, TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P15	

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, S (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2010	2	18	2/18/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	ANIMAL DIED IN REHAB	DEAD		
2010	2	22	2/22/2010	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	BULLETS CONFIRMED VIA RADIOGRAPH	DEAD		
2010	2	23	2/23/2010	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	BULLET HOLE AND SHRAPNEL FOUND	DEAD		
2010	3	8	3/8/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE AROUND NECK, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	3	12	3/12/2010	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	BULLET FRAGMENT IN BRAIN CAVITY	DEAD		
2010	3	17	3/17/2010	CALIFORNIA SEA LION	VESSEL STRIKE	SANTA BARBARA	CA	DEAD	VESSEL CREW FELT THE IMPACT OF THE SEA LION AND OBSERVED THE SINKING CARCASS	DEAD		
2010	3	23	3/23/2010	CALIFORNIA SEA LION	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	SI	ANIMAL DIED IN REHAB	DEAD		
2010	3	24	3/24/2010	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	SHRAPNEL FOUND ON RADIOGRAPH	DEAD		
2010	3	25	3/25/2010	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	LINCOLN	OR	SI	PACKING BAND ENTANGLEMENT AROUND NECK, CUTTING INTO BLUBBER AND MUSCLE; OBSERVED SEVERAL TIMES BETWEEN MAY AND JULY	SI	P8A	
2010	3	25	3/25/2010	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	GILLNET AROUND HEAD THROUGH CORNERS OF MOUTH, ANIMAL EUTHANIZED IN REHAB	DEAD		
2010	3	25	3/25/2010	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI	BULLET TIP FOUND IN ABCESS ON LEFT CHEEK. SMALL HOLE IN FOREHEAD. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	
2010	3	26	3/26/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	3	28	3/28/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	FISHING LINE IN MOUTH. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	
2010	3	29	3/29/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN BACK. ANIMAL DIED IN REHAB	DEAD		
2010	3	30	3/30/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	3	30	3/30/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	3	31	3/31/2010	CALIFORNIA SEA LION	CAR COLLISION	SAN DIEGO	CA	SI	EYE WITNESS ACCOUNT, ANIMAL EUTHANIZED IN REHAB	DEAD		
2010	3	31	3/31/2010	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	GILLNET AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	3	31	3/31/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2010	4	1	4/1/2010	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	MULTIPLE PELLETS IN SKULL, LEFT EYE. ANIMAL EUTHANIZED IN REHAB	DEAD		
2010	4	3	4/3/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK. RIGHT REAR FLIPPER. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	
2010	4	3	4/3/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2010	4	3	4/3/2010	CALIFORNIA SEA LION	MARINE DEBRIS INGESTION	ORANGE	CA	SI	VOMITED UP PLASTIC MATERIAL	SI	P2	
2010	4	7	4/7/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	8	4/8/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	8	4/8/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	8	4/8/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	9	4/9/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	9	4/9/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY				ENTANGLEMENT WOUNDS AROUND CIRCUMFERENCE OF ANIMAL	DEAD		
2010	4	9	4/9/2010	CALIFORNIA SEA LION	ENTANGLEMENT	LOS ANGELES	CA	DEAD	FRESH DEAD, ENTERED SCREEN BAY	DEAD		
2010	4	9	4/9/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	FISH HOOKS IN LOWER LIP AND LEFT FRONT FLIPPER. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	
2010	4	10	4/10/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2010	4	12	4/12/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD		DEAD		
2010	4	13	4/13/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOK IN RIGHT FRONT FLIPPER. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2010	4	17	4/17/2010	CALIFORNIA SEA LION	GILLNET FISHERY	SAN DIEGO	CA	SI	GREEN NET ENTANGLED AROUND NECK WITH SEVERAL FEET OF NET TRAILING. ANIMAL EUTHANIZED IN REHAB	DEAD		
2010	4	17	4/17/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN RIGHT SIDE OF MOUTH. ANIMAL EUTHANIZED IN REHAB	DEAD		
2010	4	18	4/18/2010	CALIFORNIA SEA LION	VESSEL STRIKE	KING	WA	SI	ANIMAL DIED DURING OVERNIGHT OBSERVATION. BLUNT FORCE TRAUMA, CRUSHED STERNUM	DEAD	P15	
2010	4	20	4/20/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LINCOLN	OR	SI	SILVER COLORED FISHING LURE STUCK IN MOUTH WITH LONG LEADER ATTACHED	SI	P2	
2010	4	21	4/21/2010	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	SAN DIEGO	CA	SI	PLASTIC PACKAGING STRAP, ANIMAL DIED IN REHAB	DEAD		
2010	4	21	4/21/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN MOUTH. ANIMAL DIED IN REHAB	DEAD		
2010	4	23	4/23/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	23	4/23/2010	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET FRAGMENT EMBEDDED IN NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	4	25	4/25/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	25	4/25/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	25	4/25/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	26	4/26/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	26	4/26/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	26	4/26/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	MONTEREY	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	4	28	4/28/2010	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	LOS ANGELES	CA	SI	ANIMAL DIED DURING TRANSPORTATION TO REHAB	DEAD		
2010	5	2	5/2/2010	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	OBVIOUS BULLET HOLE IN ABDOMENT	DEAD		
2010	5	4	5/4/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT MARINE DEBRIS	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2010	5	5	5/5/2010	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	LINE WRAPPED AROUND NECK.	SI	P8A	
2010	5	6	5/6/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	
2010	5	6	5/6/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2010	5	6	5/6/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	NSI	FLY FISH HOOK RIGHT SIDE OF BODY. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	
2010	5	6	5/6/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2010	5	6	5/6/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2010	5	8	5/8/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	MONTEREY	CA	SI	FISHING LINE AROUND NECK AND LACERATIONS FROM ENTANGLEMENT. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	5	9	5/9/2010	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	GREEN GILLNET AROUND NECK, CUTTING INTO SKIN 1 CM DEEP. ANIMAL DISENTANGLED, RELOCATED	NSI	P7B	
2010	5	10	5/10/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LINCOLN	OR	SI	OBSERVED SWIMMING WITH 12" ORANGE AND SILVER SALMON FLASHER HANGING FROM MOUTH	SI	P2	
2010	5	10	5/10/2010	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI	BULLET FRAGMENT IN CHEST. ANIMAL DIED IN REHAB	DEAD		
2010	5	11	5/11/2010	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	BULLET LODGED IN VERTEBRAL COLUMN. ANIMAL EUTHANIZED IN REHAB	DEAD		
2010	5	11	5/11/2010	CALIFORNIA SEA LION	DOG ATTACK	SANTA BARBARA	CA	DEAD	NO DETAILS	DEAD		
2010	5	12	5/12/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	MONTEREY	CA	SI	ANIMAL DISENTANGLED, RELOCATED	NSI	P7B	
2010	5	12	5/12/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	MONTEREY	CA	SI	ANIMAL DISENTANGLED, RELOCATED	NSI	P7B	
2010	5	14	5/14/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	FRESH DEAD	DEAD		
2010	5	14	5/14/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	MULTIPLE FISH HOOKS ON BODY AND FLIPPERS. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2010	5	14	5/14/2010	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	SAN MATEO	CA	SI	THICK BLACK RUBBER BAND AROUND NECK. ANIMAL DIED IN REHAB	DEAD		
2010	5	14	5/14/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	FISHING LINE AROUND NECK RESULTING IN DEEP LACERATION. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	5	15	5/15/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	MONTEREY	CA	SI	GREEN MONOFILAMENT NETTING WRAPPED AROUND NECK 2X AND THROUGH MOUTH. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	5	15	5/15/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN LUIS OBISPO	CA	SI	FISHING LINE AROUND NECK, CUTTING INTO TISSUE. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	5	15	5/15/2010	CALIFORNIA SEA LION	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI	GREEN MONOFILAMENT CUTTING INTO NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	5	18	5/18/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	8 FISHHOOKS ON BODY AND FLIPPERS. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	
2010	5	20	5/20/2010	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	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	SI	P1	
2010	5	21	5/21/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN MATEO	CA	SI	MONOFILAMENT NET/LINE EMBEDDED IN NECK. ANIMAL DIED IN REHAB	DEAD		
2010	5	25	5/25/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SANTA CRUZ	CA	SI	MONOFILAMENT NET/LINE AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	5	26	5/26/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK IN MOUTH. 3 FISH HOOKS IN ESOPHAGUS. ANIMAL DIED IN REHAB	DEAD		
2010	5	29	5/29/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	5	29	5/29/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM FISH HOOKS IN FRONT AND REAR FLIPPERS. LURE AND WEIGHT HANGING FROM MOUTH. ANIMAL DIED IN REHAB	DEAD		
2010	5	30	5/30/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK IN TONGUE WITH LINE ATTACHED. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	
2010	5	31	5/31/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	FISHING LINE, HOOK, AND WEIGHT IN MOUTH. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	
2010	5	31	5/31/2010	CALIFORNIA SEA LION	SHOOTING	TILLAMOOK	OR	DEAD	BUCKSHOT PELLETS RECOVERED	DEAD		
2010	6	2	6/2/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	6	2	6/2/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	6	2	6/2/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	6	2	6/2/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	6	4	6/4/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	6	5	6/5/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	6	6	6/6/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	HOOBS AND LINE WRAPPED AROUND REAR FLIPPERS. ANIMAL DISENTANGLED, RELEASED AT SITE	NSI	P5C	
2010	6	8	6/8/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN RIGHT SIDE OF MOUTH. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	
2010	6	8	6/8/2010	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	SAN DIEGO	CA	DEAD	ROPE AROUND NECK	DEAD		
2010	6	9	6/9/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	MONTEREY	CA	SI	GREEN NET ENTANGLED AROUND NECK AND HEAD. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	6	9	6/9/2010	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	BULLET FRAGMENT COLLECTED, SKULL BLOWN AWAY	DEAD		

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2010	6	10	6/10/2010	CALIFORNIA SEA LION	STAB WOUNDS	LOS ANGELES	CA	SI	ANIMAL EUTHANIZED IN REHAB. KNIFE LACERATION.	DEAD		
2010	6	10	6/10/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK IN MOUTH. ANIMAL DIED IN REHAB	DEAD		
2010	6	11	6/11/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2010	6	11	6/11/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2010	6	12	6/12/2010	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	XRAY. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	SI	P9	
2010	6	12	6/12/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	
2010	6	12	6/12/2010	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	HOLE IN ANIMAL, ASSOCIATED HEMORRHAGING	DEAD		
2010	6	13	6/13/2010	CALIFORNIA SEA LION	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI	RELEASED AT SITE	SI	P8A	
2010	6	14	6/14/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	FISHING LINE, ANIMAL DIED IN REHAB	DEAD		
2010	6	15	6/15/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	NSI	FISH HOOK IN UPPER CHEST. DISENTANGLED, RELEASED AT SITE	NSI	P5C	
2010	6	15	6/15/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	
2010	6	15	6/15/2010	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	BULLET HOLE RIGHT SIDE OF NECK, FISH HOOK AND LINE IN MOUTH	DEAD		
2010	6	18	6/18/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOKS ON LEFT SIDE OF FACE. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	
2010	6	18	6/18/2010	CALIFORNIA SEA LION	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	6	19	6/19/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	NSI	FISH HOOK IN LEFT FLANK, RELEASED AT SITE	NSI	P5C	
2010	6	24	6/24/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LINCOLN	OR	SI	LARGE SALMON FLASHER REPORTEDLY HANGING FROM MOUTH	SI	P2	
2010	6	25	6/25/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	FISH HOOKS. ANIMAL DIED IN REHAB	DEAD		
2010	6	26	6/26/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	FISH HOOKS IN FRONT AND REAR FLIPPERS.	NSI	P5C	
2010	6	28	6/28/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	FISHING LINE AROUND NECK AND IN MOUTH. ANIMAL DIED IN REHAB	DEAD		
2010	7	2	7/2/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	
2010	7	3	7/3/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	CLATSOP	OR	SI	FISHING LURE ATTACHED TO HEAD, THROAT	SI	P5B	
2010	7	11	7/11/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOK IN MOUTH, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	
2010	7	12	7/12/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE GOING DOWN THROAT. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	
2010	7	16	7/16/2010	CALIFORNIA SEA LION	VESSEL STRIKE	MONTEREY	CA	DEAD	EYE WITNESSES SAW BOAT HIT SEA LION	DEAD		
2010	7	20	7/20/2010	CALIFORNIA SEA LION	HOOK & 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	
2010	7	21	7/21/2010	CALIFORNIA SEA LION	BLUNT FORCE TRAUMA: CLUBBING	LOS ANGELES	CA	SI	ANIMAL EUTHANIZED IN REHAB	DEAD		
2010	7	25	7/25/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	NSI	HOOK IN LEFT HIND FLIPPER, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	
2010	8	4	8/4/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	FISHING LINE & HOOKS: RIGHT LOWER LIP, ANIMAL DIED IN REHAB	DEAD		
2010	8	5	8/5/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	ANIMAL DIED IN REHAB. CAUSE OF DEATH, FISH HOOK PERFORATION OF ESOPHAGUS.	DEAD		
2010	8	5	8/5/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	FISHING HOOK, LURE & LINE IN MOUTH. ANIMAL DIED IN REHAB	DEAD		
2010	8	20	8/20/2010	CALIFORNIA SEA LION	SHOOTING	SONOMA	CA	DEAD	SHOT FOUND AT BASE OF SKULL	DEAD		
2010	8	20	8/20/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	SI	ENTRAINMENT INTO POWER GENERATING STATION	DEAD		
2010	8	25	8/25/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	SI	ENTRAINMENT INTO POWER GENERATING STATION	DEAD		
2010	8	30	8/30/2010	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	
2010	9	9	9/9/2010	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI	GUNSHOT/PELLET IN MUSCLE AROUND SPINE. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	
2010	9	15	9/15/2010	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	ANIMAL EUTHANIZED IN REHAB	DEAD		
2010	9	15	9/15/2010	CALIFORNIA SEA LION	HARASSMENT	SAN FRANCISCO	CA	SI	-8" DART EMBEDDED IN FOREHEAD, NOT CAPTURED	SI	P9	
2010	9	18	9/18/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY OFFSHORE	CA	DEAD		OBSERVER PROGRAM	DEAD		

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2010	9	20	9/20/2010	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	BULLET HOLE IN NECK	DEAD		
2010	9	26	9/26/2010	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	ANIMAL EUTHANIZED IN REHAB	DEAD		
2010	9	29	9/29/2010	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	BULLET FOUND IN MESENTERY; APPEARS TO BE A .22 GAUGE, ANIMAL EUTHANIZED IN REHAB	DEAD		
2010	10	1	10/1/2010	CALIFORNIA SEA LION	STAB WOUNDS	SAN DIEGO	CA	SI	WOUNDS FROM A FISHING GAFF INJURY. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	
2010	10	3	10/3/2010	CALIFORNIA SEA LION	SHOOTING	MARIN	CA	SI	FOREIGN OBJECT VENTRAL TO C4-C5 VERTEBRAE ON RADIOGRAPHS, NOT REMOVED. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	
2010	10	5	10/5/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION	DEAD		
2010	10	6	10/6/2010	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	SAN MATEO	CA	SI	WIDE BLACK STIFF RUBBER BELT AROUND NECK. DISENTANGLED, ANIMAL RELEASED AT SITE	NSI	P7B	
2010	10	10	10/10/2010	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	HUMBOLDT	CA	SI	PLASTIC BAND 21.5 IN LONG AND 1/8 IN WIDE AROUND NECK. ANIMAL DIED IN REHAB.	DEAD		
2010	10	11	10/11/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	10	11	10/11/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	10	12	10/12/2010	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	SI	SMALL BULLET HOLES (POSSIBLY FROM A .22 GUN) WITH ASSOCIATED HEMORRHAGING ON RIGHT ABDOMEN; THORACIC AREA HEMORRHAGE.	SI	P12	
2010	10	12	10/12/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	LOS ANGELES	CA	SI	GILLNET PRESENT AROUND NECK AND MISCELLANEOUS MONOFILAMENT PRESENT	DEAD		
2010	10	12	10/12/2010	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	ANIMAL DIED IN REHAB.	DEAD		
2010	10	14	10/14/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	SMALL BULLET HOLES IN ABDOMEN	DEAD		
2010	10	14	10/14/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM, RELEASED AT SITE	NSI	P9	
2010	10	26	10/26/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	ENTERED SCREEN BAY THROUGH INTAKE TUNNEL	DEAD		
2010	11	3	11/3/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	MONTEREY	CA	SI	GREEN MONOFILAMENT NETTING AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED.	NSI	P7B	
2010	11	5	11/5/2010	CALIFORNIA SEA LION	SHOOTING	TILLAMOOK	OR	DEAD	BULLET WOUNDS	DEAD		
2010	11	6	11/6/2010	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	BULLET WOUNDS	DEAD		
2010	11	11	11/11/2010	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	BULLET WOUNDS	DEAD		
2010	11	19	11/19/2010	CALIFORNIA SEA LION	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		
2010	11	21	11/21/2010	CALIFORNIA SEA LION	SHOOTING	MARIN	CA	DEAD	MULTIPLE PELLETS AND A LARGE CALIBER BULLET FRAGMENT WERE FOUND IN HEAD DURING NECROPSY	DEAD		
2010	11	23	11/23/2010	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	BULLET WOUNDS	DEAD		
2010	11	24	11/24/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET FISHERY ENTANGLEMENT	VENTURA	CA	SI	GREEN MONOFILAMENT NETTING AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED.	NSI	P7B	
2010	11	24	11/24/2010	CALIFORNIA SEA LION	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		
2010	11	25	11/25/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM, ANIMAL EUTHANIZED IN REHAB.	DEAD		
2010	11	26	11/26/2010	CALIFORNIA SEA LION	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	
2010	11	26	11/26/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	NSI	FISHING HOOK IN LOWER RIGHT LIP. ANIMAL TAKEN TO REHAB, TREATED AND RELEASED.	NSI	P5C	
2010	11	27	11/27/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM, RELEASED AT SITE	NSI	P9	
2010	12	8	12/8/2010	CALIFORNIA SEA LION	SHOOTING	MARIN	CA	SI	GUNSHOT - HEAD, LEFT SIDE OF FACE AND MUZZLE. ANIMAL TRANSFERRED TO PUBLIC DISPLAY.	CAPTIVITY	P9	
2010	12	23	12/23/2010	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	MARIN	CA	SI	NYLON LINE EMBEDDED IN LIP; SOURCE (FISHERY/DEBRIS?) UNKNOWN	SI	P8A	

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2010	12	29	12/29/2010	CALIFORNIA SEA LION	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	SI	MONOFILAMENT LINE AROUND NECK. ANIMAL DIED IN REHAB	DEAD		
2011	2	24	2/24/2011	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	LINCOLN	OR	SI	HAD WHAT LOOKED LIKE A PLASTIC BAND WRAPPED TIGHTLY AROUND NECK AND CUTTING DEEPLY INTO TISSUE; ANIMAL MAY HAVE BEEN SHOWING DIFFICULTY BREATHING; ANIMAL WENT BACK INTO WATER AFTER BEING APPROACHED CLOSELY BY PASSERS-BY	SI	P8A	
2011	2	25	2/25/2011	CALIFORNIA SEA LION	SEAL BOMB	LOS ANGELES	CA	SI	DISLOCATED LOWER JAW. ANIMAL TAKEN INTO REHABILITATION. FINAL STATUS UNKNOWN	SI		P9
2011	2	28	2/28/2011	CALIFORNIA SEA LION	GILLNET FISHERY UNIDENTIFIED NET FISHERY	SAN DIEGO	CA	SI	MONOFILAMENT GILLNET AROUND NECK, CONSTRICTING. ANIMAL LETHARGIC. TRANSFERRED TO REHABILITATION. FINAL STATUS UNKNOWN.	SI		P8A
2011	3	12	3/12/2011	CALIFORNIA SEA LION	ENTANGLEMENT	SANTA BARBARA	CA	SI	YELLOW 'POLY' FISHING NET AROUND NECK	SI		P8A
2011	3	13	3/13/2011	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	MONOFILAMENT NETTING AROUND NECK	SI		P8A
2011	3	13	3/13/2011	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	FISHING LINE AROUND NECK	SI		P8A
2011	3	17	3/17/2011	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	3	21	3/21/2011	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	GILLNET EMBEDDED IN NECK, TRANSFERRED TO REHABILITATION CENTER	SI		P8A
2011	4	3	4/3/2011	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	UNDERWEIGHT ANIMAL WITH HOOK IN NOSTRIL. ANIMAL TAKEN INTO REHABILITATION FACILITY	SI		P5B
2011	4	10	4/10/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL RELEASED FROM COOLING WATER SYSTEM	NSI		P9
2011	4	12	4/12/2011	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	BULLET WOUNDS	DEAD		
2011	4	16	4/16/2011	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	SI	HUGE LURE IN MOUTH, BROKEN JAW.	SI		P5A, P10
2011	4	17	4/17/2011	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	THIN ANIMAL. FISHING LINE REMOVED FROM NECK	SI		P8A
2011	4	18	4/18/2011	CALIFORNIA SEA LION	HOOK & 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
2011	4	18	4/18/2011	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	GILLNET, ANIMAL TAKEN INTO REHAB, FINAL STATUS UNKNOWN	SI		P8A
2011	4	20	4/20/2011	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	4	21	4/21/2011	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	4	21	4/21/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	SAN ONOFRE	DEAD		
2011	4	21	4/21/2011	CALIFORNIA SEA LION	VESSEL STRIKE	MONTEREY	CA	DEAD	HIT BY CAR	DEAD		
2011	4	24	4/24/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2011	5	1	5/1/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FROM COOLING WATER SYSTEM OF POWER PLANT	DEAD		
2011	5	2	5/2/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	NSI	LIVE ANIMAL RELEASED FROM COOLING WATER INTAKE	NSI		P9
2011	5	4	5/4/2011	CALIFORNIA SEA LION	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
2011	5	8	5/8/2011	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	LINCOLN	OR	SI	PLASTIC PACKING BAND CUTTING INTO NECK	SI		P8A
2011	5	10	5/10/2011	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	5	14	5/14/2011	CALIFORNIA SEA LION	SHOOTING	ALAMEDA	CA	SI	RADIOGRAPHS DURING POST-MORTEM EXAMINATION SHOWED ~30 PELLETS OF DIFFERENT SIZES IN THE HEAD.	DEAD		P9
2011	5	16	5/16/2011	CALIFORNIA SEA LION	HOOK & 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
2011	5	29	5/29/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SANTA CRUZ	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION. ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM.	DEAD		
2011	5	31	5/31/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER INTAKE AREA	NSI		P9

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2011	5	31	5/31/2011	CALIFORNIA SEA LION	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	
2011	6	3	6/3/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER INTAKE AREA	NSI	P9	
2011	6	7	6/7/2011	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	MALNUTRITION, GILLNET LACERATION AROUND NECK	SI	P8A	
2011	6	10	6/10/2011	CALIFORNIA SEA LION	HOOK & LINE FISHERY	COOS	OR	SI	ORANGE/SILVER FLASHER WITH 1.5 FEET OF LINE ATTACHED TO MOUTH	SI	P2	
2011	6	13	6/13/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER INTAKE AREA	NSI	P9	
2011	6	13	6/13/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER INTAKE AREA	NSI	P9	
2011	6	14	6/14/2011	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	NSI	FISHING LURE IN BACK. ANIMAL SENT TO REHAB FACILITY	NSI	P5C	
2011	6	15	6/15/2011	CALIFORNIA SEA LION	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	
2011	6	17	6/17/2011	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	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	
2011	6	17	6/17/2011	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	HEAD BLOWN AWAY	DEAD		
2011	6	20	6/20/2011	CALIFORNIA SEA LION	GILLNET FISHERY/MARINE DEBRIS ENTANGLEMENT	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		
2011	6	21	6/21/2011	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	ANIMAL DIED IN REHAB DUE TO GUNSHOT WOUND INJURIES	DEAD	P9	
2011	6	27	6/27/2011	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	6	27	6/27/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	ANIMAL CAUGHT IN SCREEN BAY AT POWER PLANT	DEAD		
2011	6	27	6/27/2011	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET. ANIMAL TRANSFERRED TO REHABILITATION. FINAL STATUS UNKNOWN.	SI	P8A	
2011	6	28	6/28/2011	CALIFORNIA SEA LION	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	
2011	6	29	6/29/2011	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	MONOFILAMENT GILLNET AROUND NECK. ANIMAL SENT TO REHAB, FINAL STATUS UNKNOWN.	SI	P8A	
2011	7	6	7/6/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	
2011	7	8	7/8/2011	CALIFORNIA SEA LION	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	
2011	7	9	7/9/2011	CALIFORNIA SEA LION	MARINE DEBRIS INGESTION	CLALLAM	WA	DEAD	SIGNS OF HUMAN INTERACTION OBSERVED ; CAN OF SPRAY ARESOL FOUND IN THROAT OF SEA LION, APPEARED TO HAVE HOLES/POSSIBLE BITE MARKS AND BE CRUSHED INWARDS AS IF BITTEN. BASED ON DEPTH IN THROAT AND CONDITION OF CAN SUSPECT ANIMAL FOR HUMAN INTERACTION.	DEAD		
2011	7	14	7/14/2011	CALIFORNIA SEA LION	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	
2011	7	17	7/17/2011	CALIFORNIA SEA LION	SHOOTING	GRAY'S HARBOR	WA	DEAD	BULLET FRAGMENT FOUND ON RADIOGRAPH	DEAD		
2011	7	20	7/20/2011	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	SI	ANIMAL RELEASED ALIVE FROM GILLNET, NO TRAILING GEAR	NSI	P7B	

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2011	7	25	7/25/2011	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	VENTURA	CA	SI	ANIMAL DISENTANGLED FROM 'NETTING', TAKEN TO REHAB CENTER	NSI	P7B	
2011	7	28	7/28/2011	CALIFORNIA SEA LION	TRAWL FISHERY	CLALLAM	WA	DEAD	TRIBAL FISHERY	DEAD		
2011	8	2	8/2/2011	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LINCOLN	OR	SI	LARGE SILVER SALMON FLASHER STUCK TO MOUTH; ANIMAL APPEARS SOMEWHAT THIN, FLOATING GENERALLY MOTIONLESS AT SURFACE	SI	P2	
2011	8	3	8/3/2011	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	NECROPSY RESULTS FOUND MULTIPLE GUNSHOTS; REMOVED 2 BULLETS AND 1 PELLET.	DEAD	P12	
2011	8	8	8/8/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	
2011	8	9	8/9/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2011	8	16	8/16/2011	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	DEAD	ENTANGLED IN PINK MONOFILAMENT GILL NET AROUND NECK AND BODY.	DEAD		
2011	8	16	8/16/2011	CALIFORNIA SEA LION	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	
2011	8	17	8/17/2011	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	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 OBF DOCK	SI	P8A	
2011	8	17	8/17/2011	CALIFORNIA SEA LION	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	SI	P12	
2011	8	22	8/22/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2011	9	1	9/1/2011	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	GUNSHOT RIGHT SHOULDER. RED WAXY PAINT OR GREASE MARKER ON ABDOMEN; RESPIRATION LABORED AND INCREASED; ABDOMEN DISTENDED; NOT USING REAR FLIPPERS. FINAL OUTCOME UNKNOWN.	SI	P9	
2011	9	4	9/4/2011	CALIFORNIA SEA LION	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	
2011	9	9	9/9/2011	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	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 ITS HEAD AND WALKING BUT IS VERY ACTIVE; WAS GONE NEXT DAY	SI	P8A	
2011	9	9	9/9/2011	CALIFORNIA SEA LION	RESEARCH ENTANGLEMENT	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		
2011	9	11	9/11/2011	CALIFORNIA SEA LION	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	GREEN MONOFILAMENT NETTING AROUND NECK, BLEEDING, EMACIATED	SI	P1 AND P8A	
2011	9	12	9/12/2011	CALIFORNIA SEA LION	RESEARCH ENTANGLEMENT	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	
2011	9	15	9/15/2011	CALIFORNIA SEA LION	RESEARCH ENTANGLEMENT	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	

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2011	9	15	9/15/2011	CALIFORNIA SEA LION	RESEARCH ENTANGLEMENT	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	
2011	9	15	9/15/2011	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	BOTH EYES MISSING; THIN METAL FRAGMENTS IN EYE SOCKET SUGGEST GUNSHOT TRAUMA	DEAD	P9	
2011	9	18	9/18/2011	CALIFORNIA SEA LION	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	
2011	9	20	9/20/2011	CALIFORNIA SEA LION	RESEARCH ENTANGLEMENT	SOLANO	CA	DEAD	DROWNED IN SCIENTIFIC RESEARCH NET	DEAD		
2011	9	21	9/21/2011	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	SONOMA	CA	SI	EMACIATED, LETHARGIC, SUSPECTED FORMER ENTANGLEMENT AROUND NECK; EUTHANIZED IN REHAB, LEPTOSPIROSIS, CHRONIC DOMOIC ACID	DEAD	P8A	
2011	9	25	9/25/2011	CALIFORNIA SEA LION	VESSEL STRIKE	MONTEREY	CA	SI	HIT BY A CAR AROUND MIDNIGHT. HEAD TRAUMA, JAW INJURY, BLEEDING FROM MOUTH AND GURGLING. EUTHANIZED.	DEAD	P9	
2011	9	25	9/25/2011	CALIFORNIA SEA LION	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.	DEAD	P9	
2011	9	28	9/28/2011	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	CLATSOP	OR	DEAD	A COUPLE OF SUPERFICIAL ROPE-LIKE MARKS ON FOREFLIPPER AND VENTRAL ABDOMEN. ANIMAL WAS EMACIATED; MUSCLE SIGNIFICANTLY REDUCED; BOTH LUNGS "MEATY", FLATTENED, AND VERY CONGESTED; HEART SEEMED SMALL WITH ENLARGED AURICLES; PULMONARY ARTERY VERY ENLARGED; KIDNEY VESSELS ENGORGED WITH BLOOD	DEAD		
2011	9	28	9/28/2011	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	APPEARS TO BE BLIND IN RIGHT EYE; 4 SHOTS BETWEEN EYES, ONE CLOSE TO RIGHT EYE, TWO OVER NOSE. SCRAPED ON UNDERSIDE OF RIGHT FRONT FLIPPER TIP; RAW EDGE ON RIGHT REAR FLIPPER	DEAD	P9	
2011	10	1	10/1/2011	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	BULLET BEHIND LEFT EYE, UNALIGNED JAW, AND GOOD BODY CONDITION	DEAD	P9	
2011	10	4	10/4/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	
2011	10	4	10/4/2011	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	LETHARGIC, GOOD BODY CONDITION, MULTIPLE SMALL ROUND WOUNDS ON FACE. RADIOGRAPHS SHOWED GUNSHOT TO THE HEAD, PELLETT 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	
2011	10	7	10/7/2011	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	EMACIATED; SEVERE CUT UNDER JAW FROM GILL NET; LEFT EYE INJURED; BREATHING THROUGH LACERATION	SI	P1	
2011	10	7	10/7/2011	CALIFORNIA SEA LION	VESSEL STRIKE	MONTEREY	CA	DEAD	MIDDLE OF ROAD, HIT BY CAR, DEAD WHEN RESCUE TEAM ARRIVED	DEAD		
2011	10	13	10/13/2011	CALIFORNIA SEA LION	GILLNET FISHERY	SAN DIEGO	CA	SI	ACTIVE SUB-ADULT WITH FISHING NET DEEPLY CUTTING INTO NECK	SI	P8A	
2011	10	14	10/14/2011	CALIFORNIA SEA LION	VESSEL STRIKE	CLATSOP	OR	DEAD	VERTEBRA DISLOCATED WITH ASSOCIATED NECROSIS	DEAD		
2011	10	14	10/14/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	
2011	10	23	10/23/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	23	10/23/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	23	10/23/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	25	10/25/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		

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2011	10	25	10/25/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	25	10/25/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	25	10/25/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	25	10/25/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	25	10/25/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	25	10/25/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	25	10/25/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	27	10/27/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	27	10/27/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	27	10/27/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	27	10/27/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	27	10/27/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	29	10/29/2011	CALIFORNIA SEA LION	VESSEL STRIKE	CLATSOP	OR	DEAD	TREMENDOUS HEMORRHAGING	DEAD		
2011	10	31	10/31/2011	CALIFORNIA SEA LION	SHOOTING	SAN FRANCISCO	CA	SI	SEIZURES, GOOD BODY WEIGHT, GUNSHOT TO SPINE, EUTHANIZED. NECROPSY PERFORMED.	DEAD	P9	
2011	11	8	11/8/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	11	13	11/13/2011	CALIFORNIA SEA LION	HOOK & LINE FISHERY	MONTEREY	CA	SI	LOOSE FISHING LINE ENTANGLEMENT AROUND THE NECK NOT CUTTING INTO SKIN, LETHARGIC, COUGHING, MILDLY UNDERWEIGHT	SI	P1	
2011	11	15	11/15/2011	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	CLATSOP	OR	DEAD	ROPE LIKE MARKS ON LEFT VENTRAL PELVIC REGION	DEAD		
2011	11	17	11/17/2011	CALIFORNIA SEA LION	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	
2011	11	19	11/19/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2011	11	26	11/26/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2011	11	26	11/26/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	
2011	12	5	12/5/2011	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	MONTEREY	CA	DEAD	OLD ENTANGLEMENT SCAR AROUND NECK. PINK SCAR ON FLIPPER. ANIMAL LEFT ON BEACH, FINAL OUTCOME UNKNOWN.	DEAD		
2011	12	17	12/17/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	12	18	12/18/2011	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	BULLET FOUND IN SKULL	DEAD		
2011	12	19	12/19/2011	CALIFORNIA SEA LION	VESSEL STRIKE	PACIFIC	WA	DEAD	PROPELLER MARKS	DEAD		
2011	12	30	12/30/2011	CALIFORNIA SEA LION	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	10	19	10/19/2008	FIN WHALE	VESSEL STRIKE	LOS ANGELES	CA	DEAD	CARCASS BROUGHT INTO HARBOR ON BOW OF FREIGHTER	DEAD		
2009	1	13	1/13/2009	FIN WHALE	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

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2009	2	2	2/2/2009	FIN WHALE	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 PERSONNEL)	DEAD		
2009	4	10	4/10/2009	FIN WHALE	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 PERSONNEL	DEAD		
2009	5	6	5/6/2009	FIN WHALE	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 PERSONNEL; PRESUMED MORTALITY. VESSEL SIZE = 567 FT. VESSEL SPEED = 16 KTS.	SI	L6A	1
2009	6	8	6/8/2009	FIN WHALE	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI	FREE-SWIMMING ANIMAL TOWING 300 FEET OF POLYPROPYLENE LINE & LIGHT-COLORED BUOY FROM CAUDAL PEDUNCLE; REPORT RECEIVED VIA U.S. NAVY PERSONNEL ON SCENE; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN; MAY BE A RESIGHT OF ANIMAL FROM 13-JAN. ASSIGNED AS L2 BECAUSE OF LENGTH OF GEAR TRAILING ANIMAL. IMPLIES GREAT DRAG.	SI	L2	1
2009	8	7	8/7/2009	FIN WHALE	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. SEE ATTACHED REPORT FOR MORE INFORMATION.	DEAD		
2010	9	16	9/16/2010	FIN WHALE	VESSEL STRIKE	ALAMEDA	CA	DEAD	ANIMAL BROUGHT INTO PORT OF OAKLAND IMPINGED ON BOW OF SHIP	DEAD		
2010	9	20	9/20/2010	FIN WHALE	VESSEL STRIKE	SAN FRANCISCO	CA	DEAD	BROKEN VERTEBRAE; LINEAR LACERATION	DEAD		
2011	7	31	7/31/2011	FIN WHALE	UNIDENTIFIED FISHERY INTERACTION	MARIN	CA	SI	ORANGE/REDDISH LINE WRAPPED IN SEVERAL LAYERS BEHIND THE BLOWHOLE THAT HAD CUT DEEP INTO THE FLESH. FROM SIGHT THE 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; TRAVELING WITH ANOTHER FIN WHALE, EST 20 M LONG, "MEANDERING IN THE AREA"; NO RESIGHTS, NO RELEASE, FINAL OUTCOME UNKNOWN	SI	L2	1
2011	11	19	11/19/2011	FIN WHALE	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		
2007	4	2	4/2/2007	GRAY WHALE	GILLNET FISHERY	LOS ANGELES	CA	NSI	FREE-SWIMMING ANIMAL TOWING 3-5 FEET OF SMALL MESH BLUE/GREEN MONOFILAMENT NETTING FROM AROUND TAIL STOCK; RESCUE EFFORT INITIATED; MOST OF NETTING CUT AWAY, SMALL AMOUNT OF LOOSE NETTING REMAINING AROUND TAIL STOCK; FINAL STATUS UNKNOWN	NSI	L3	0

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2007	4	20	4/20/2007	GRAY WHALE	CRAB POT FISHERY ENTANGLEMENT	LINCOLN	OR	SI	ENTANGLED IN CRAB GEAR. SKIPPER OF NEARBY VESSEL REMOVED 8 POTS BEFORE HE HAD TO RETURN TO PORT DUE TO DARKNESS WHALE STILL HAD 8 BUOYS AND SEVERAL WRAPS OF LINE AROUND MID- SECTION, LEFT PECTORAL FLIPPER, AND THROUGH MOUTH	SI	L2	1
2007	6	1	6/1/2007	GRAY WHALE	VESSEL STRIKE	MARIN	CA	DEAD	CARCASS; 4 PROPELLER-LIKE WOUNDS TO BODY	DEAD		
2007	12	7	12/7/2007	GRAY WHALE	RED KING CRAB POT FISHERY ENTANGLEMENT	OFFSHORE BERING SEA	AK	SI	WHALE WAS SIGHTED IN HUMBOLDT BAY TRAILING GEAR ON APRIL 12, 2008, APPX. 4 MONTHS AFTER BECOMING ENTANGLED IN THE GEAR IN DECEMBER IN THE BERING SEA. THE ANIMAL WAS TRAILING 40-50 FEET OF LINE WITH THREE BUOYS ATTACHED. THEY BUOYS WERE REMOVED BUT APPX. 20-30' OF LINE REMAIN ATTACHED TO THE WHALE. THE WHALE APPEARED SEVERLY MALNOURISHED AND HAS AN S-SHAPED SPINE.	SI	L2	1
2008	2	7	2/7/2008	GRAY WHALE	VESSEL STRIKE	ORANGE	CA	DEAD	CARCASS; PROPELLER-LIKE WOUNDS TO LEFT DORSUM FROM MID-BODY TO CAUDAL PEDUNCLE; DEEP EXTERNAL BRUISING ON RIGHT SIDE OF HEAD; FIELD NECROPSY REVEALED MULTIPLE CRANIAL FRACTURES	DEAD		
2008	3	1	3/1/2008	GRAY WHALE	VESSEL STRIKE	MEXICO	CA	DEAD	CARCASS BROUGHT INTO PORT ON BOW OF CRUISE SHIP; COLLISION OCCURRED BETWEEN PORTS OF SAN DIEGO & CABO SAN LUCAS BETWEEN 5:00 P.M. ON 2/28 & 7:20 A.M. ON 3/1	DEAD		
2009	1	31	1/31/2009	GRAY WHALE	UNIDENTIFIED POT/TRAP FISHERY 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
2009	3	25	3/25/2009	GRAY WHALE	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
2009	4	4	4/4/2009	GRAY WHALE	VESSEL STRIKE	PACIFIC	WA	DEAD	NECROPSIED, BROKEN BONES IN SKULL; EXTENSIVE HEMORRHAGE HEAD AND THORAX; SUB-ADULT MALE	DEAD		
2009	4	5	4/5/2009	GRAY WHALE	VESSEL STRIKE	ORANGE	CA	DEAD	DEAD STRANDING; 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 PERSONNEL	DEAD		
2009	4	9	4/9/2009	GRAY WHALE	MARINE DEBRIS ENTANGLEMENT	SITKA	AK	SI	THICK BLACK LINE WRAPPED TWICE AROUND WHALE'S BODY POSTERIOR TO THE EYES. PRIVATE CITIZEN CUT AND PULLED AWAY THE LINES. ANIMAL SWAM AWAY AND DOVE.	SI	L10	0.75
2009	4	27	4/27/2009	GRAY WHALE	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		
2009	5	1	5/1/2009	GRAY WHALE	VESSEL STRIKE	LOS ANGELES	CA	SI	CATALINA ISLAND TRANSPORT VESSEL COLLIDED WITH FREE-SWIMMING CALF ACCOMPANIED BY ADULT ANIMAL; 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

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2009	6	24	6/24/2009	GRAY WHALE	GILLNET ENTANGLEMENT: TRIBAL 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 BREATHE, BUT COULD NOT FREELY SWIM AND WAS STATIONARY WITHIN NET. RIGHT PECTORAL FIN AND HEAD WERE WELL WRAPPED IN NET WEBBINGS. 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
2009	7	21	7/21/2009	GRAY WHALE	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.	SI	L2	1
2009	9	9	9/9/2009	GRAY WHALE	VESSEL STRIKE	CLALLAM	WA	SI (PRORATE)	USCG VESSEL REPORTED TO BE 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
2010	2	1	2/1/2010	GRAY WHALE	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		
2010	2	16	2/16/2010	GRAY WHALE	VESSEL STRIKE	SAN DIEGO	CA	SI (PRORATE)	FREE-SWIMMING ANIMAL WITH PROPELLER-LIKE WOUNDS TO DORSUM	SI (PRORATE)	L11	0.52
2010	3	5	3/5/2010	GRAY WHALE	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI	TOWING ORANGE/WHITE BUOY; UNIDENTIFIED FISHERY. NO RESCUE EFFORT INITIATED; NO RESIGHTINGS REPORTED; FINAL STATUS UNKNOWN	SI	L10	0.75
2010	3	12	3/12/2010	GRAY WHALE	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
2010	4	16	4/16/2010	GRAY WHALE	CRAB POT FISHERY ENTANGLEMENT	CLATSOP	OR	DEAD	ENTANGLED IN CRAB POT LINES	DEAD		
2010	5	7	5/7/2010	GRAY WHALE	CRAB POT FISHERY ENTANGLEMENT	LINCOLN	OR	SI (PRORATE)	ENTANGLED IN 3 CRAB POTS, WHALE NOT RELOCATED	SI (PRORATE)	L10	0.75
2010	5	11	5/11/2010	GRAY WHALE	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 DOHERTY STATE BEACH BEFORE WASHING UP DEAD ON BEACH	DEAD		
2010	8	17	8/17/2010	GRAY WHALE	CRAB POT FISHERY ENTANGLEMENT	MENDOCINO	CA	SI	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	SI	L2	1

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2011	1	22	1/22/2011	GRAY WHALE	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
2011	2	12	2/12/2011	GRAY WHALE	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
2011	4	18	4/18/2011	GRAY WHALE	VESSEL STRIKE	SAN FRANCISCO	CA	DEAD	CRUSHED MANDIBLE	DEAD		
2011	6	11	6/11/2011	GRAY WHALE	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		
2011	7	13	7/13/2011	GRAY WHALE	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
2011	7	27	7/27/2011	GRAY WHALE	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
2011	8	25	8/25/2011	GRAY WHALE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	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. (APPARENT HEALTH DECLINE DUE TO CONSTRICTING AND WEIGHTED ENTANGLEMENT)	SI	L2	1
2011	8	25	8/25/2011	GRAY WHALE	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	SI	L2	1

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2011	9	27	9/27/2011	GRAY WHALE	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	
2007	6	10	6/10/2007	GUADALUPE FUR SEAL	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; GREEN MONOFILAMENT GILLNET FRAGMENT WRAPPED AROUND LOWER PART OF NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	
2007	8	6	8/6/2007	GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	DEL NORTE	CA	SI	LIVE STRANDING; BALLOON RIBBON AROUND SHOULDERS; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	
2008	2	7	2/7/2008	GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	SANTA CRUZ	CA	SI	LIVE STRANDING; WHITE STRING AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	
2009	3	29	3/29/2009	GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	SAN MATEO	CA	SI	LIVE STRANDING; BALLOON STRING WRAPPED AROUND SHOULDERS; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	5	4	5/4/2009	GUADALUPE FUR SEAL	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	
2009	6	15	6/15/2009	GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	SAN MATEO	CA	DEAD	DEAD STRANDING; GREEN NYLON NETTING AROUND NECK; STRETCHED NET MESH DIAMETER = 4 INCHES; CARCASS EXAMINED BY CAS PERSONNEL	DEAD		
2009	11	22	11/22/2009	GUADALUPE FUR SEAL	GILLNET FISHERY	COOS	OR	DEAD	ENTANGLED IN GREEN NETTING	DEAD		
2010	1	16	1/16/2010	GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	LOS ANGELES	CA	SI	ANIMAL DIED IN REHAB	DEAD		
2010	6	14	6/14/2010	GUADALUPE FUR SEAL	GILLNET FISHERY	PACIFIC	WA	DEAD	HEAD ENTANGLED IN NETTING	DEAD		
2011	1	25	1/25/2011	GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	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	
2011	5	6	5/6/2011	GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	SAN MATEO	CA	DEAD	ENTANGLED AROUND SHOULDERS WITH BALLOON RIBBON, ADVANCED DECOMPOSITION - RIBBON DID NOT PENETRATE SKIN	DEAD		
2011	6	9	6/9/2011	GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	SAN LUIS OBISPO	CA	SI	WHITE BALLOON STRING AROUND NECK. ANIMAL DIED IN REHAB	DEAD	P8A	
2011	6	18	6/18/2011	GUADALUPE FUR SEAL	GILLNET FISHERY/MARINE DEBRIS ENTANGLEMENT	SAN MATEO	CA	SI	ANIMAL ENTANGLED IN GREEN TWINE / NETTING. NETTING HAD BARNACLES ON IT, INDICATIVE OF GHOST NETTING / MARINE DEBRIS	SI	P8A	
2011	7	1	7/1/2011	GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	GRAY'S HARBOR	WA	DEAD		DEAD		
2011	7	18	7/18/2011	GUADALUPE FUR SEAL	GILLNET FISHERY	JEFFERSON	WA	DEAD	CUTS ON ANIMAL SUGGESTIVE OF ENTANGLING NET FISHERY INTERACTION	DEAD		
2007	7	6	7/6/2007	HARBOR PORPOISE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	DEL NORTE	CA	DEAD	CARCASS; LINE/ROPE LACERATIONS ENCIRCLING CAUDAL PEDUNCLE	DEAD		
2007	8	5	8/5/2007	HARBOR PORPOISE	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	CARCASS; ROPE MARKS, HEMORRHAGE AND BRUISING AROUND HEAD, NEAR DORSAL FIN AND ON TAIL STOCK	DEAD		
2007	8	27	8/27/2007	HARBOR PORPOISE	MARINE DEBRIS ENTANGLEMENT/RIVER SALMON GILLNET FISHERY	HUMBOLDT	CA	DEAD	1 OF 2 CARCASSES ENTANGLED IN LOST RIVER NET THAT PROBABLY DRIFTED OUT TO SEA	DEAD		
2007	8	27	8/27/2007	HARBOR PORPOISE	MARINE DEBRIS ENTANGLEMENT/RIVER SALMON GILLNET FISHERY	HUMBOLDT	CA	DEAD	1 OF 2 CARCASSES ENTANGLED IN LOST RIVER NET THAT PROBABLY DRIFTED OUT TO SEA	DEAD		
2007	10	19	10/19/2007	HARBOR PORPOISE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	CLATSOP	OR	DEAD	CARCASS; CUTS POSTERIOR TO DORSAL FIN IN TAIL STOCK; NET INDENTATIONS; FOAM IN TRACHEA	DEAD		

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2007	10	29	10/29/2007	HARBOR PORPOISE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	PIERCE	WA	DEAD	SINGLE LINE IMPRESSION AROUND HEAD ON LOWER JAW JUST BEHIND EYE; POTENTIAL ENTANGLEMENT SCARRING AT TIP OF ROSTRUM ON BOTH SIDES OF LOWER JAW; HEMORRHAGE IN MOUTH; FISH PARTS IN ESOPHAGUS AND STOMACH	DEAD		
2008	5	24	5/24/2008	HARBOR PORPOISE	GILLNET FISHERY	GRAYS HARBOR	WA	DEAD	CARCASS: APPEARS TO BE MONOFILAMENT NET SCARRING ALONG TAILSTOCK, WITH ASSOCIATED HEMORRHAGING IN BLUBBER UNDER SURFACE MARKINGS	DEAD		
2008	8	26	8/26/2008	HARBOR PORPOISE	GILLNET FISHERY	SAN LUIS OBISPO	CA	DEAD	CARCASS: GILLNET-LIKE IMPRINT ON CAUDAL PEDUNCLE	DEAD		
2009	3	23	3/23/2009	HARBOR PORPOISE	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	DEAD	PATTERNS OF HEMORRHAGE; BLOOD IN THORAX AND ABDOMEN; FOAM IN LUNGS AND RIB MARKS ON RIGHT AND LEFT LUNGS	DEAD		
2009	4	9	4/9/2009	HARBOR PORPOISE	UNIDENTIFIED FISHERY INTERACTION	CLATSOP	OR	DEAD	CARCASS: LINE MARKS, CUTS, EXTENSIVE HEMORRHAGE, AND BRUISING; BLOODY FOAM IN TRACHEA; RIB MARKS ON LUNGS	DEAD		
2009	4	26	4/26/2009	HARBOR PORPOISE	MARINE DEBRIS ENTANGLEMENT	KING	WA	DEAD	CARCASS: WIDE INDENTATION ON TAILSTOCK (LOOKS LIKE WIDE (5/8") ROPE), 6 CM POSTERIOR TO ANUS, EXTENDING HALFWAY UP LEFT SIDE; ASSOCIATED HEMORRHAGE IN BLUBBER UNDERNEATH	DEAD		
2009	8	11	8/11/2009	HARBOR PORPOISE	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	CARCASS: EXTENSIVE BRUISING; FOAM IN TRACHEA; CUTS AROUND HEAD; RIGHT FLUKE AND FLIPPER CUT OFF	DEAD		
2009	8	26	8/26/2009	HARBOR PORPOISE	MARINE DEBRIS ENTANGLEMENT	KITSAP	WA	SI	REPEATED LIVE STANDINGS; NO SIGNS OF ENTANGLEMENT AROUND MOUTH/FLIPPERS/DORSAL FIN; SIGNS OF ENTANGLEMENT ON TAILSTOCK; DIED DURING TRANSPORT	DEAD	S1	
2009	10	20	10/20/2009	HARBOR PORPOISE	GILLNET FISHERY	KITSAP	WA	DEAD	MARKS CONSISTENT WITH MONOFILAMENT LINE AROUND MOUTH	DEAD		
2009	10	20	10/20/2009	HARBOR PORPOISE	GILLNET FISHERY	KITSAP	WA	DEAD	CARCASS: NON-TRIBAL PURSE SEINES AND TRIBAL GILLNETS IN AREA; EVIDENCE OF FRESH MONOFILAMENT INJURIES	DEAD		
2009	10	22	10/22/2009	HARBOR PORPOISE	SALMON GILLNET FISHERY ENTANGLEMENT	JEFFERSON	WA	DEAD	MONOFILAMENT IMPRESSIONS ON ROSTRUM, PECTORAL FINS, TAILSTOCK, FLUKES	DEAD		
2010	1	4	1/4/2010	HARBOR PORPOISE	UNIDENTIFIED FISHERY INTERACTION	CLALLAM	WA	DEAD	CARCASS: POSSIBLE ENTANGLEMENT INJURIES ON LOWER JAW WITH CORRESPONDING HEMORRHAGE; INTERNAL EVIDENCE OF DROWNING	DEAD		
2010	2	23	2/23/2010	HARBOR PORPOISE	MARINE DEBRIS ENTANGLEMENT	GRAYS HARBOR	WA	DEAD	CARCASS: TWO ENTANGLEMENT SCARS ON TAILSTOCK WITH HEMORRHAGE UNDERNEATH	DEAD		
2010	7	4	7/4/2010	HARBOR PORPOISE	MARINE DEBRIS ENTANGLEMENT	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		
2010	7	10	7/10/2010	HARBOR PORPOISE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	CLATSOP	OR	DEAD	CARCASS: FISHING LINE/NET MARKS ON FIN AND FLUKE EDGES; BLOOD IN PERICARDIUM AND THORACIC AND ABDOMINAL CAVITIES	DEAD		
2010	10	21	10/21/2010	HARBOR PORPOISE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	KITSAP	WA	DEAD	CARCASS: NUMEROUS ENTANGLEMENT SCARS, IMPRESSIONS AND LACERATIONS, WITH ASSOCIATED HEMORRHAGE	DEAD		
2011	1	2	1/2/2011	HARBOR PORPOISE	VESSEL STRIKE	LINCOLN	OR	DEAD	CARCASS: RIGHT LOBE OF FLUKE CUT OFF CLEANLY; OTHER LACERATIONS INDICATE PROPELLER WOUNDS	DEAD		
2011	1	27	1/27/2011	HARBOR PORPOISE	RESEARCH ENTANGLEMENT	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	
2011	5	5	5/5/2011	HARBOR PORPOISE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	PACIFIC	WA	DEAD	CARCASS: SUBSTANTIAL FOAM IN TRACHEA; SEROUS FLUID IN PLEURAL CAVITY; THORACIC ORGANS BRUISED; EXTERNAL MARKS (NET?) AND RUBBED AREAS	DEAD		
2011	5	14	5/14/2011	HARBOR PORPOISE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	PACIFIC	WA	DEAD	CARCASS: SUBSTANTIAL BLOODY FOAM FROM BLOWHOLE AND IN TRACHEA; INDENTATIONS ALONG PEDUNCLE AND MARKS NEAR FLIPPERS	DEAD		

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2011	5	27	5/27/2011	HARBOR PORPOISE	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	MANY PARALLEL CUTS ACROSS ANIMAL, TREMENDOUS HEMORRHAGING. UPPER JAW TIP BROKEN	DEAD		
2011	6	3	6/3/2011	HARBOR PORPOISE	UNIDENTIFIED FISHERY INTERACTION	PACIFIC	WA	DEAD	MANY PARALLEL CUTS ACROSS ANIMAL, TREMENDOUS HEMORRHAGING	DEAD		
2011	9	8	9/8/2011	HARBOR PORPOISE	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		
2011	9	19	9/19/2011	HARBOR PORPOISE	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		
2007	2	1	2/1/2007	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	ISLAND	WA	DEAD	ONE OF 4 HARBOR SEALS FOUND DEAD IN APPROXIMATELY 500 FT OF NETTING	DEAD		
2007	2	1	2/1/2007	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	ISLAND	WA	DEAD	ONE OF 4 HARBOR SEALS FOUND DEAD IN APPROXIMATELY 500 FT OF NETTING	DEAD		
2007	2	1	2/1/2007	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	ISLAND	WA	DEAD	ONE OF 4 HARBOR SEALS FOUND DEAD IN APPROXIMATELY 500 FT OF NETTING	DEAD		
2007	2	1	2/1/2007	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	ISLAND	WA	DEAD	ONE OF 4 HARBOR SEALS FOUND DEAD IN APPROXIMATELY 500 FT OF NETTING	DEAD		
2007	2	8	2/8/2007	HARBOR SEAL	GILLNET FISHERY	VENTURA	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK, OPEN WOUND SHOWING; ANIMAL HAULED OUT ON HARBOR SEAL ROOKERY IN VICINITY OF OTHER ANIMALS; FINAL STATUS UNKNOWN	SI	P8A	
2007	2	20	2/20/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	3	1	3/1/2007	HARBOR SEAL	VESSEL STRIKE	VENTURA	CA	SI	LIVE STRANDING; 12 INCH PROPELLER-LIKE WOUND ON BACK; ANIMAL HAULED OUT AMONGST 100 OTHER SEALS ON HARBOR SEAL ROOKERY; FINAL STATUS UNKNOWN	SI	P9 AND P15	
2007	3	6	3/6/2007	HARBOR SEAL	SHOOTING	GRAYS HARBOR	WA	SI	LIVE STRANDING; SECRETING MUCOUS FROM NOSE; DEAD NEXT DAY; TWO BULLET HOLES SEEN EXTERNALLY, CONFIRMED BY RADIOGRAPHS; SHRAPNEL FOUND IN BRAIN CAVITY	DEAD	P9	
2007	3	26	3/26/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	4	4	4/4/2007	HARBOR SEAL	VESSEL STRIKE	ISLAND	WA	DEAD	FRESH DEAD SEAL WITH PART OF HEAD MISSING AND CUT ON NOSE	DEAD		
2007	4	6	4/6/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	4	7	4/7/2007	HARBOR SEAL	VESSEL STRIKE	ISLAND	WA	DEAD	FRESH DEAD SEAL WITH TOP OF HEAD MISSING.	DEAD		
2007	4	9	4/9/2007	HARBOR SEAL	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOK IN RIGHT FRONT FLIPPER; MORTALITY (ANIMAL DIED IN REHAB. CAUSE OF DEATH = GASTROENTERITIS)	DEAD	P5C	
2007	4	11	4/11/2007	HARBOR SEAL	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	4	23	4/23/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	4	24	4/24/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	4	25	4/25/2007	HARBOR SEAL	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	5	1	5/1/2007	HARBOR SEAL	HOOK & LINE FISHERY	SANTA BARBARA	CA	NSI	LIVE STRANDING; FISH HOOK & FISHING LURE IN BODY; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	5	5	5/5/2007	HARBOR SEAL	SHOOTING	MARIN	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD	DEAD		
2007	5	23	5/23/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 3 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	6	3	6/3/2007	HARBOR SEAL	GILLNET FISHERY	SAN DIEGO	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	
2007	6	23	6/23/2007	HARBOR SEAL	GILLNET FISHERY	ORANGE	CA	SI	LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2007	6	28	6/28/2007	HARBOR SEAL	HOOK & LINE FISHERY	SAN DIEGO	CA	NSI	LIVE STRANDING; 3 FISH HOOKS & FISHING LURE IN BODY; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2007	7	17	7/17/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	7	19	7/19/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	7	29	7/29/2007	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT/NET FISHERY ENTANGLEMENT	SKAGIT	WA	SI	LIVE PUP WITH FLIPPER CAUGHT IN NETTING; PUP WAS FREED AND SWAM AWAY (A DEAD PUP WAS ALSO CAUGHT IN THE SAME NETTING)	NSI	P7B	
2007	7	29	7/29/2007	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT/NET FISHERY ENTANGLEMENT	SKAGIT	WA	DEAD	DEAD PUP FOUND IN SAME NETTING AS LIVE PUP THAT WAS RELEASED.	DEAD		
2007	8	1	8/1/2007	HARBOR SEAL	DOG ATTACK	SKAGIT	WA	SI	PUP ATTACKED BY DOG; FOUR PUNCTURE WOUNDS ON BACK; DIED FROM INJURIES	DEAD	P9	
2007	8	6	8/6/2007	HARBOR SEAL	VESSEL STRIKE	SAN JUAN	WA	DEAD	CARCASS; ADULT FEMALE WITH PROPELLER WOUNDS ACROSS BACK.	DEAD		
2007	8	23	8/23/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS; TRACKING WOUND (WITH HEMORRHAGE) THROUGH NECK, PASSING BETWEEN TRACHEA AND VERTEBRAL COLUMN; RIGHT UPPER JAW AND LOWER RIGHT PORTION OF CRANIUM SHATTERED; NO BULLETS RECOVERED	DEAD		
2007	9	18	9/18/2007	HARBOR SEAL	SHOOTING	THURSTON	WA	DEAD	CARCASS; MULTIPLE SMALL HOLES INTO BLUBBER ON LEFT AND VENTRAL SIDE OF NECK; SMALL PIECE OF WHAT APPEARED TO BE SHRAPNEL PULLED OUT OF ONE OF THE SITES	DEAD		
2007	9	21	9/21/2007	HARBOR SEAL	SHOOTING	THURSTON	WA	DEAD	CARCASS; BULLET RECOVERED FROM TISSUE ON TOP OF HEAD, ANOTHER BULLET HOLE FOUND ABOVE LEFT EYE; SKULL RADIOGRAPHED AND SECOND BULLET FOUND EMBEDDED IN BRAIN	DEAD		
2007	9	23	9/23/2007	HARBOR SEAL	HOOK & LINE FISHERY	KING	WA	NSI	LIVE STRANDING WITH FISH HOOK IN LIP; TRANSPORTED TO REHAB FOR HOOK REMOVAL AND ASSESSMENT; DIED OVERNIGHT	DEAD	P5C	
2007	9	25	9/25/2007	HARBOR SEAL	SHOOTING	WHATCOM	WA	DEAD	CARCASS; ENTRY WOUND ON TOP OF CRANIUM, SLIGHTLY POSTERIOR OF ORBITS, PROBABLY FROM SMALL-CALIBER BULLET; APPEARS THAT BULLET LODGED IN OR PASSED THROUGH LEFT ORBIT, CAUSING MASSIVE HEMORRHAGING ACROSS ENTIRE CRANIUM AND BRUISING EXTENDING 15-20 CM POSTERIOR OF ENTRY POINT; NO BULLET RECOVERED	DEAD		
2007	9	27	9/27/2007	HARBOR SEAL	VESSEL STRIKE	JEFFERSON	WA	DEAD	CARCASS; SEAL WAS SEVERELY DISEMBOWELED, MOST LIKELY FROM BEING STRUCK BY A BOAT PROPELLER	DEAD		
2007	10	3	10/3/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL; 1 OF 2 ANIMALS FOUND AT THIS SITE ON THIS DATE	DEAD		
2007	10	23	10/23/2007	HARBOR SEAL	GAFF INJURY	KING	WA	SI	LIVE STRANDING; VERY DEEP HUMAN-CAUSED PUNCTURE INJURY (CONSISTENT WITH A SHARP GAFF WOUND) IN FLIPPER; NO BITE MARKS; PUP TAKEN INTO REHAB; STRUGGLED WITH LUNG CONGESTION AND WOUND INFRACTION; WOUND WAS HEALING, BUT PUP NEVER GAINED WEIGHT AND LUNGS WERE VERY CONGESTED; DIED IN REHAB	DEAD	P9	
2007	10	29	10/29/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	11	6	11/6/2007	HARBOR SEAL	SHOOTING	SANTA CLARA	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD	DEAD		
2007	11	12	11/12/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	11	24	11/24/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2007	12	5	12/5/2007	HARBOR SEAL	HOOK & LINE FISHERY	PIERCE	WA	DEAD	CARCASS; DOUBLE FISH HOOK JUST BEFORE COLON PERFORATED SMALL INTESTINES AND CAUSED PERITONITIS AND INTESTINAL TORSION; MOUTH ULCERATION, POSSIBLY WHERE FISH HOOK WAS INITIALLY STUCK	DEAD		

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2007	12	29	12/29/2007	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2008	3	4	3/4/2008	HARBOR SEAL	SHOOTING	SAN JUAN	WA	DEAD	CARCASS; RECOVERED ONE 00 BUCKSHOT BB UNDER SKIN; 5 OR 6 ADDITIONAL HOLES IN BACK AND SIDE	DEAD		
2008	3	5	3/5/2008	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	SAN FRANCISCO	CA	SI	LIVE ANIMAL ON HARBOR SEAL ROOKERY; PLASTIC STRAP AROUND NECK; NO RESCUE EFFORT INITIATED DUE TO PRESENCE OF OTHER ANIMALS; FINAL STATUS UNKNOWN	SI	P8A	
2008	4	4	4/4/2008	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	MONTEREY	CA	SI	LIVE ANIMAL HAULED OUT ON OFFSHORE ROCK; PACKING STRAP AROUND NECK; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN	SI	P8A	
2008	4	12	4/12/2008	HARBOR SEAL	HARASSMENT	MONTEREY	CA	SI	LIVE STRANDING; FRACTURED SCAPULA; PRIVATE CITIZEN GRABBED ANIMAL BY REAR FLIPPERS, PULLED IT FROM ROCKY AREA & ATTEMPTED TO THROW IT BACK INTO WATER; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	SI	P10	
2008	4	15	4/15/2008	HARBOR SEAL	GILLNET FISHERY	SANTA BARBARA	CA	SI	LIVE ANIMAL ON HARBOR SEAL ROOKERY; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL CAPTURED, DISENTANGLED & RELEASED ON SITE)	NSI	P7B	
2008	4	15	4/15/2008	HARBOR SEAL	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	LIVE ANIMAL ON HARBOR SEAL ROOKERY; FISHING LURE IN CHIN; NO RESCUE EFFORT INITIATED DUE TO PRESENCE OF OTHER ANIMALS; FINAL STATUS UNKNOWN	SI	P5B	
2008	4	17	4/17/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2008	4	17	4/17/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2008	4	27	4/27/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2008	5	5	5/5/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2008	5	5	5/5/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2008	5	5	5/5/2008	HARBOR SEAL	GILLNET FISHERY	SAN DIEGO	CA	SI	LIVE ANIMAL ON HARBOR SEAL ROOKERY; GILLNET FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL CAPTURED, DISENTANGLED & RELEASED ON SITE)	NSI	P7B	
2008	5	10	5/10/2008	HARBOR SEAL	VESSEL STRIKE	MARIN	CA	DEAD	CARCASS; PROPELLER-LIKE WOUNDS TO BODY	DEAD		
2008	5	15	5/15/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2008	5	19	5/19/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2008	5	19	5/19/2008	HARBOR SEAL	OIL SPILL	ORANGE	CA	SI	LIVE STRANDING; 80% OF BODY COVERED WITH BUNKER TAR; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P9	
2008	5	23	5/23/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2008	5	27	5/27/2008	HARBOR SEAL	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOKS IN REAR FLIPPERS & THROUGH NOSE; MORTALITY (EUTHANIZED IN REHAB DUE TO FISH HOOK WOUNDS)	DEAD	P5B	
2008	5	28	5/28/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2008	5	31	5/31/2008	HARBOR SEAL	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; FISH HOOKS IN LEFT LOWER CORNER OF MOUTH & UPPER LIP; MORTALITY (DIED IN REHAB, CAUSE OF DEATH = STARVATION, NECROPSY REVEALED NUMEROUS FISH HOOKS IN STOMACH (MUCOSA))	DEAD	P2	
2008	6	3	6/3/2008	HARBOR SEAL	GILLNET FISHERY/MARINE DEBRIS ENTANGLEMENT	SANTA BARBARA	CA	DEAD	CARCASS FLOATING IN KELP BED WRAPPED IN GILLNET MASS	DEAD		
2008	6	4	6/4/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2008	6	19	6/19/2008	HARBOR SEAL	GAFF INJURY	SANTA BARBARA	CA	SI	LIVE STRANDING; GAFF HOOK IN BODY; MORTALITY (ANIMAL DIED DURING TRANSPORT TO REHAB)	DEAD	P12	
2008	6	28	6/28/2008	HARBOR SEAL	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE ANIMAL REELED IN TO JETTY BY FISHERMAN, LINE SNAPPED CAUSING SUPERFICIAL CUT TO RIGHT SIDE OF FACE; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	

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2008	7	27	7/27/2008	HARBOR SEAL	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	LIVE ANIMAL ON ROOKERY; FISH HOOK IN MOUTH WITH ATTACHED FISHING LINE WRAPPED AROUND & CUTTING INTO ANIMAL'S NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	
2008	7	28	7/28/2008	HARBOR SEAL	GILLNET ENTANGLEMENT: TRIBAL FISHERY	CLALLAM	WA	DEAD	FOUND DEAD IN TRIBAL GILLNET FISHERY.	DEAD		
2008	8	4	8/4/2008	HARBOR SEAL	SHOOTING	SAN JUAN	WA	DEAD	CARCASS; APPEARED TO HAVE BEEN SHOT; X-RAY DETECTED METAL PIECES IN HEAD; SOME METAL FRAGMENTS WERE EXTRACTED	DEAD		
2008	8	14	8/14/2008	HARBOR SEAL	SHOOTING	SKAGIT	WA	DEAD	CARCASS; APPEARED TO BE SMALL CALIBER BULLET HOLE IN REAR LEFT LATERAL NECK REGION; DISCRETE 2-MM PUNCTURE HOLE OFF LEFT LATERAL NECK; MOUTH FULL OF CLOTTED BLOOD AND EXTENSIVE HEMORRHAGING IN INTERNAL NECK AREA AND BASE OF SKULL; NO BALLISTICS FOUND	DEAD		
2008	8	22	8/22/2008	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	PIERCE	WA	DEAD	PUP WAS REMOVED FROM DERELICT NET	DEAD		
2008	8	24	8/24/2008	HARBOR SEAL	GILLNET ENTANGLEMENT: TRIBAL FISHERY	THURSTON	WA	SI	LIVE ANIMAL CAUGHT IN TRIBAL GILL NETTING; NETS WERE TIGHT AROUND ITS NECK AND IT WAS STRUGGLING	SI	P8A	
2008	8	24	8/24/2008	HARBOR SEAL	GILLNET ENTANGLEMENT: TRIBAL FISHERY	THURSTON	WA	DEAD	CARCASS; CAUGHT IN TRIBAL FISHING GEAR	DEAD		
2008	8	24	8/24/2008	HARBOR SEAL	GILLNET ENTANGLEMENT: TRIBAL FISHERY	THURSTON	WA	DEAD	CARCASS; CAUGHT IN TRIBAL FISHING GEAR SEAL PULLED OUT OF SET GILLNET THAT WAS UNATTENDED FOR AT LEAST 48 HRS	DEAD		
2008	8	25	8/25/2008	HARBOR SEAL	GILLNET FISHERY	PIERCE	WA	DEAD	LIVE PUP REPORTED ON STUART ISLAND ON AUG 22 WITH WOUNDS CONSISTENT WITH PROPELLER WOUNDS: EVENLY SPACED, CLEAN, DEEP CUTS. PUP FOUND DEAD ON BEACH 28 AUG.	DEAD	P15	
2008	9	2	9/2/2008	HARBOR SEAL	RESEARCH ENTANGLEMENT	SOLANO	CA	DEAD	CARCASS RETRIEVED FROM CDFG STURGEON RESEARCH TRAMMEL NET	DEAD		
2008	9	12	9/12/2008	HARBOR SEAL	RESEARCH ENTANGLEMENT	PIERCE	WA	DEAD	DIED IN RESEARCH NET	DEAD		
2008	10	5	10/5/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2008	11	4	11/4/2008	HARBOR SEAL	GILLNET FISHERY	ISLAND	WA	DEAD	CAUGHT IN DRIFT GILLNET	DEAD		
2008	11	4	11/4/2008	HARBOR SEAL	VESSEL STRIKE	LINCOLN	OR	DEAD	CARCASS; HEAD CRACKED OPEN CAUDALLY, BRAIN EXPOSED; PROPELLER INJURY; PARALLEL AREAS OF FUR LOSS AND LACERATIONS ON DORSUM	DEAD		
2008	11	20	11/20/2008	HARBOR SEAL	GILLNET ENTANGLEMENT: TRIBAL FISHERY	PIERCE	WA	DEAD	PULLED FROM TRIBAL NET	DEAD		
2008	11	22	11/22/2008	HARBOR SEAL	SHOOTING	WHATCOM	WA	DEAD	CARCASS; SMALL CALIBER HIGH VELOCITY GUN WOUND; ENTRANCE ON RIGHT SIDE, HIGH ON SKULL; EXIT ON LEFT SIDE, HIGH ON SKULL	DEAD		
2008	11	28	11/28/2008	HARBOR SEAL	SHOOTING	SAN JUAN	WA	DEAD	CARCASS; X-RAYS SHOWED AT LEAST 4 PELLETS IN ABDOMEN AREA	DEAD		
2008	12	15	12/15/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	1	13	1/13/2009	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	3	10	3/10/2009	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	12	5/12/2009	HARBOR SEAL	HOOK & LINE FISHERY	ORANGE	CA	SI	LIVE STRANDING; 3 FISH HOOKS IN FACE; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	5	16	5/16/2009	HARBOR SEAL	SALMON RESEARCH TRAWL	OFFSHORE	WA	NSI	LIVE PUP IN TRAWL NET; PUP WAS ROLLED OUT OF NET AS NET WAS RETRIEVED; SWAM AWAY UNHARMED	NSI	P7B	
2009	5	16	5/16/2009	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	17	5/17/2009	HARBOR SEAL	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	22	5/22/2009	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	24	5/24/2009	HARBOR SEAL	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; FISH HOOKS IN CHIN & RIGHT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	6	10	6/10/2009	HARBOR SEAL	GILLNET FISHERY	SAN DIEGO	CA	SI	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = PNEUMONIA)	DEAD	P8A	

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2009	6	16	6/16/2009	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	6	26	6/26/2009	HARBOR SEAL	HOOK & LINE FISHERY	SAN FRANCISCO	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	7	4	7/4/2009	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	7	5	7/5/2009	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	7	20	7/20/2009	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	7	31	7/31/2009	HARBOR SEAL	DOG ATTACK	PIERCE	WA	SI	DOG GRABBED LIVE PUP AND TOOK OFF WITH IT	DEAD	P9	
2009	8	8	8/8/2009	HARBOR SEAL	DOG ATTACK	KITSAP	WA	SI	LIVE ANIMAL ATTACKED BY DOGS; TAKEN INTO REHAB AND DIED DUE TO INFECTED PUNCTURE WOUNDS	DEAD	P9	
2009	8	10	8/10/2009	HARBOR SEAL	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN CHIN/THROAT AREA, LINE WRAPPED AROUND BODY; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	
2009	8	10	8/10/2009	HARBOR SEAL	GAFF INJURY	KITSAP	WA	DEAD	CARCASS; LEFT EYE PROPTOSED AND SWELLING ON LEFT SIDE OF HEAD; HOLE IN LEFT SIDE OF HEAD (SKIN AND SKULL) MOST LIKELY CAUSED BY GAFF; BLEEDING FROM NOSTRILS; SWELLING ON LEFT SIDE OF HEAD, CAUDAL SKULL FRACTURE, AND HEMATOMA	DEAD		
2009	8	18	8/18/2009	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS; FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	8	20	8/20/2009	HARBOR SEAL	SHOOTING	CLATSOP	WA	DEAD	CARCASS; BULLET HOLES IN THORAX; TREMENDOUS BRUISING ACROSS BACK; SMASHED NOSE	DEAD		
2009	9	1	9/1/2009	HARBOR SEAL	HOOK & LINE FISHERY	PIERCE	WA	SI	LIVE STRANDING; FISH HOOK IN MOUTH; HOOK REMOVED AND ANIMAL RELEASED	NSI	P5C	
2009	9	21	9/21/2009	HARBOR SEAL	VESSEL STRIKE	WHATCOM	WA	DEAD	LARGE LACERATIONS ON FOREFLIPPER	DEAD		
2009	9	30	9/30/2009	HARBOR SEAL	VESSEL STRIKE	WHATCOM	WA	DEAD	CARCASS; SLASHES, GASHES, AND MARKS ALONG SIDE AND BACK	DEAD		
2009	10	3	10/3/2009	HARBOR SEAL	HOOK & LINE FISHERY	PIERCE	WA	DEAD	CARCASS; FISH HOOK LODGED IN STOMACH ATTACHED TO LINE THROUGHOUT GI TRACT	DEAD		
2009	10	6	10/6/2009	HARBOR SEAL	HOOK & LINE FISHERY	SAN MATEO	CA	DEAD	DEAD STRANDING; FIELD EXAMINATION REVEALED FISH HOOK IN ESPOHAGUS; CARCASS EXAMINED BY CAS PERSONNEL	DEAD		
2009	10	27	10/27/2009	HARBOR SEAL	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		
2009	11	12	11/12/2009	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	KITSAP	WA	DEAD	CARCASS; CAUGHT 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		
2009	12	1	12/1/2009	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	SAN JUAN	WA	DEAD	ONE OF 2 ANIMALS CAUGHT IN DERELICT GILLNET. FRESH DEAD.	DEAD		
2009	12	1	12/1/2009	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	SAN JUAN	WA	DEAD	ONE OF 2 ANIMALS CAUGHT IN DERELICT GILLNET. MODERATE DECOMPOSITION.	DEAD		
2010	1	17	1/17/2010	HARBOR SEAL	SHOOTING	PIERCE	WA	DEAD	CARCASS; PENETRATING TRACKING WOUND IN NECK; LOTS OF HEMORRHAGING; BONE FRAGMENTS NEAR TRACKING WOUND; STOMACH FULL OF FISH	DEAD		
2010	1	20	1/20/2010	HARBOR SEAL	HOOK & LINE FISHERY	MARIN	CA	DEAD	HOOK WITH 116 CENTIMETERS OF ATTACHED LINE & SINKERS IN PYLORUS; PERITONITIS;	DEAD		
2010	1	25	1/25/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	GASTRITIS	DEAD		
2010	1	26	1/26/2010	HARBOR SEAL	HUMAN-INDUCED ABANDONMENT	SAN DIEGO	CA	SI	PUP AND MOTHER SEPARATED DUE TO PUBLIC INTRUSION OF BEACH ROOKERY. ANIMAL RELEASED FROM REHAB.	NSI	P14	
2010	1	26	1/26/2010	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	KITSAP	WA	DEAD	DEAD SEAL FOUND IN DERELICT NET	DEAD		
2010	2	19	2/19/2010	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	KITSAP	WA	DEAD	MUMMIFIED/SKELETAL SEAL FOUND IN DERELICT GILLNET	DEAD		
2010	2	20	2/20/2010	HARBOR SEAL	HUMAN-INDUCED ABANDONMENT	SAN DIEGO	CA	SI	PUP AND MOTHER SEPARATED DUE TO PUBLIC INTRUSION OF BEACH ROOKERY. ANIMAL EUTHANIZED IN REHAB.	DEAD		

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2010	3	12	3/12/2010	HARBOR SEAL	MARINE DEBRIS INGESTION	ORANGE	CA	SI	VOMITED PLASTIC WRAPPER. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P2	
2010	3	18	3/18/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT	DEAD		
2010	3	22	3/22/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	SI	2 ANIMALS FOUND AT THIS SITE ON THIS DATE ADULT WITH PUP FOUND IN COOLING STATION WATER SYSTEM, PUP RELEASED TO BEACH	SI	P14	
2010	3	22	3/22/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	IMMEDIATELY RELEASED AT SITE	NSI	P9	
2010	3	22	3/22/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	IMMEDIATELY RELEASED AT SITE	NSI	P9	
2010	3	22	3/22/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	2 ANIMALS FOUND AT THIS SITE ON THIS DATE ADULT WAS GOING TO BE RELEASED, BUT DIED IN TRANSIT TO SAN ONOFRE BEACH	DEAD		
2010	3	30	3/30/2010	HARBOR SEAL	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	5	4/5/2010	HARBOR SEAL	HUMAN-INDUCED ABANDONMENT	SAN LUIS OBISPO	CA	SI	PUBLIC NETTED PUP. IN NET ALONGSIDE DOCK WHEN RESPONDERS ARRIVED. ANIMAL RELOCATED	SI	P14	
2010	4	8	4/8/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	
2010	4	9	4/9/2010	HARBOR SEAL	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	14	4/14/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	
2010	4	14	4/14/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	
2010	4	17	4/17/2010	HARBOR SEAL	HOOK & LINE FISHERY	SAN DIEGO	CA	NSI	HARBOR SEAL HAD A FISHING LURE IN IT'S 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	
2010	4	19	4/19/2010	HARBOR SEAL	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		
2010	4	28	4/28/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AT SAN ONOFRE, IMMEDIATELY RELEASED ON SITE	NSI	P9	
2010	5	1	5/1/2010	HARBOR SEAL	HOOK & LINE FISHERY	GRAYS HARBOR	WA	DEAD	CARCASS; FISH HOOK AT BASE OF STOMACH	DEAD		
2010	6	5	6/5/2010	HARBOR SEAL	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	6	30	6/30/2010	HARBOR SEAL	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	DEAD	WOUNDS FROM LINE EMBEDDED IN NECK (LINE NOT PRESENT)	DEAD		
2010	7	3	7/3/2010	HARBOR SEAL	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		
2010	7	25	7/25/2010	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT/HOOK & 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	
2010	8	2	8/2/2010	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	SAN JUAN	WA	DEAD	CARCASS FOUND IN DERELICT GILLNET	DEAD		
2010	8	16	8/16/2010	HARBOR SEAL	VESSEL STRIKE	SAN JUAN	WA	DEAD	CARCASS; OBVIOUS PROP WOUNDS ON FACE AND UPPER BODY, INCLUDING 3-CM LACERATION ON LEFT VENTRAL NECK AREA, 3.5 CM DEEP; MANDIBLE HAD 8.5-CM LACERATIONS THROUGH LOWER MANDIBLE, ACROSS ROSTRUM, AND INTO UPPER PALLET	DEAD		
2010	8	23	8/23/2010	HARBOR SEAL	SHOOTING	MASON	WA	DEAD	CARCASS; BULLET FOUND IN SKULL; TRACK THROUGH RIGHT EYE SOCKET AND INTO NASAL CAVITY; BULLET FRAGMENTS SEEN IN RIGHT NASAL CAVITY VIA RADIOGRAPHS	DEAD		
2010	8	24	8/24/2010	HARBOR SEAL	UNIDENTIFIED NET FISHERY ENTANGLEMENT	WHATCOM	WA	DEAD	CARCASS; PUP FOUND DEAD IN FISHING NET WITH FRESH BLOOD COMING FROM NOSE AND MOUTH; DROWNED	DEAD		
2010	8	29	8/29/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	

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2010	9	1	9/1/2010	HARBOR SEAL	HOOK & LINE FISHERY	KING	WA	SI	LIVE STRANDING; FOUR FISH HOOKS (MAYBE SIZE FOUR) 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	
2010	9	2	9/2/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	
2010	9	7	9/7/2010	HARBOR SEAL	SHOOTING	WHATCOM	WA	DEAD	CARCASS; PROBE PASSED EASILY INTO HEAD WOUND, THROUGH SKULL, AND OUT EXIT WOUND	DEAD		
2010	9	15	9/15/2010	HARBOR SEAL	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	SI	DEEP ENTANGLEMENT-LIKE LACERATIONS AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	
2010	9	28	9/28/2010	HARBOR SEAL	SHOOTING	PACIFIC	WA	DEAD	CARCASS; BULLET RETRIEVED FROM LEFT SIDE OF BACK OF SKULL, PROBABLE EXIT WOUND; ENTRY WOUND THROUGH RIGHT EYE	DEAD		
2010	11	11	11/11/2010	HARBOR SEAL	SHOOTING	TILLAMOOK	OR	SI	LIVE STRANDING; TWO CLEAR (BULLET) POINTS OF ENTRY INTO HEAD, EACH 0.4 CM DIAMETER, WITH ASSOCIATED TREMENDOUS HEMORRHAGE, CLOTTED BLOOD, AND BROKEN BONES (E.G. BULLA AND MASTOID PROCESS); EUTHANIZED AT SITE	DEAD	P9	
2010	12	3	12/3/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	
2010	12	4	12/4/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	
2010	12	21	12/21/2010	HARBOR SEAL	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		
2010	12	28	12/28/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL RELEASED ON SITE	NSI	P9	
2011	3	22	3/22/2011	HARBOR SEAL	MARINE DEBRIS ENTANGLEMENT	KITSAP	WA	SI	ANIMAL WITH ROPE OR LINE AROUND NECK AND TOP OF HEAD REPORTED IN OR NEAR POULSBORO HARBOR	SI	P8A	
2011	4	2	4/2/2011	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	SAN ONOFRE POWER PLANT ENTRAINMENT	DEAD		
2011	4	21	4/21/2011	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINED ANIMAL CAPTURED AND RELEASED	NSI	P9	
2011	4	25	4/25/2011	HARBOR SEAL	SHOOTING	MARIN	CA	DEAD	NECROPSY PERFORMED	DEAD		
2011	4	29	4/29/2011	HARBOR SEAL	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	
2011	5	19	5/19/2011	HARBOR SEAL	HOOK & LINE FISHERY	LINCOLN	OR	SI	LIVE STRANDING; FISH HOOK IN MOUTH; ANIMAL CAPTURED; HOOK REMOVED, AND RELEASED	NSI	P5C	
2011	5	29	5/29/2011	HARBOR SEAL	HUMAN-INDUCED ABANDONMENT	MENDOCINO	CA	SI	DEPENDENT PUP ILLEGALLY REMOVED FROM BEACH. DIED DURING TRANSPORT BACK TO BEACH.	DEAD	P14	
2011	5	30	5/30/2011	HARBOR SEAL	HOOK & LINE FISHERY	TILLAMOOK	OR	SI	LIVE STRANDING; 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	
2011	6	4	6/4/2011	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER INTAKE AREA	NSI	P9	
2011	6	7	6/7/2011	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER INTAKE AREA	NSI	P9	
2011	6	12	6/12/2011	HARBOR SEAL	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	
2011	7	4	7/4/2011	HARBOR SEAL	HOOK & 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	

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2011	7	9	7/9/2011	HARBOR SEAL	VESSEL STRIKE	CLATSOP	OR	DEAD	CARCASS; PROPELLER CUTS AT LEFT AXILLA AND LEFT ANKLE; TREMENDOUS HEMORRHAGING AROUND NECK, PROPELLER CUTS, AND PELVIC AREA	DEAD		
2011	7	15	7/15/2011	HARBOR SEAL	HOOK & LINE FISHERY	WHATCOM	WA	DEAD	CARCASS FOUND WITH HOOK THROUGH LIP	DEAD		
2011	7	26	7/26/2011	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2011	8	1	8/1/2011	HARBOR SEAL	DOG ATTACK	LINCOLN	OR	SI	LIVE PUP REPORTEDLY ATTACKED BY THREE DOGS	DEAD	P9	
2011	8	1	8/1/2011	HARBOR SEAL	RESEARCH SCIENTIFIC LONGLINE	TILLAMOOK	OR	DEAD	CARCASS; CAUGHT ON HOOK OF IPHC (INTERNATIONAL PACIFIC HALIBUT COMMISSION) LONGLINE GEAR	DEAD		
2011	8	11	8/11/2011	HARBOR SEAL	HOOK & LINE FISHERY	KING	WA	DEAD	CARCASS; PIECE OF FISHING LINE AND REMNANT OF HOOK FOUND IN LARGE INTESTINES	DEAD		
2011	8	29	8/29/2011	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2011	8	30	8/30/2011	HARBOR SEAL	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; SOME BLOOD IN MOUTH, BUT APPEARED THAT REST OF CARCASS HAD BLED OUT	DEAD		
2011	9	5	9/5/2011	HARBOR SEAL	HOOK & LINE FISHERY	KING	WA	NSI	LIVE STRANDING; FISH HOOK IN FACE	NSI	P5B	
2011	9	8	9/8/2011	HARBOR SEAL	SHOOTING	ISLAND	WA	DEAD	CARCASS; 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 FRAGMENT'S FOUND	DEAD		
2011	9	11	9/11/2011	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	
2011	9	12	9/12/2011	HARBOR SEAL	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; ANIMAL SHOT AND EVIDENCE OF BLUNT-FORCE TRAUMA TO HEAD	DEAD		
2011	9	14	9/14/2011	HARBOR SEAL	UNIDENTIFIED FISHERY INTERACTION	SAN JUAN	WA	SI	LIVE ANIMAL; PHOTO SHOWED PUP HAD SOME FISHING GEAR ATTACHED TO ITS REAR FLIPPERS; ANIMAL NEVER LOCATED SO UNABLE TO EXAMINE	SI	P6	
2011	9	19	9/19/2011	HARBOR SEAL	GILLNET ENTANGLEMENT: TRIBAL FISHERY	KING	WA	NSI	LIVE ENTANGLEMENT IN TRIBAL FISHING NET; ANIMAL DISENTANGLED AND RELEASED	NSI	P7B	
2011	9	23	9/23/2011	HARBOR SEAL	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		
2011	9	25	9/25/2011	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	
2011	9	29	9/29/2011	HARBOR SEAL	GILLNET FISHERY	KITSAP	WA	DEAD	CARCASS; LINEAR IMPRESSION ON BOTH EYES AND LINEAR HEMORRHAGE AT JAW; COMPOUND FRACTURE AND HEMORRHAGE INTO BRAIN AND SURROUNDING AREA; MULTIPLE SMALL CUTS AND KNICKS ON HIND FLIPPERS; CLOTTED BLOOD ON RIGHT SIDE OF HEAD; LEFT SIDE OF SKULL SMASHED WITH ASSOCIATED CREPITUS; PUNCTURE WOUNDS ON FORE FLIPPER	DEAD		
2011	10	14	10/14/2011	HARBOR SEAL	GILLNET FISHERY	SAN DIEGO	CA	SI	ADULT HARBOR SEAL WITH FISHING NET DEEPLY CUTTING INTO NECK, BAR.	SI	P8A	
2011	10	16	10/16/2011	HARBOR SEAL	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	
2011	10	25	10/25/2011	HARBOR SEAL	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		

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2011	10	30	10/30/2011	HARBOR SEAL	GILLNET FISHERY	GRAYS HARBOR	WA	DEAD	CARCASS; ENTANGLED IN MONOFILAMENT NET; CIRCULAR HOLE ON DORSAL LEFT SIDE OF THORACIC AREA (LIKELY GAFF RATHER THAN BULLET HOLE) WITH ABDOMEN CUT OPEN	DEAD		
2011	11	1	11/1/2011	HARBOR SEAL	GILLNET FISHERY	GRAYS HARBOR	WA	DEAD	CARCASS; ENTANGLED IN ~36-FT MONOFILAMENT NET WITH LEAD LINE ATTACHED AND TWINE THAT WAS USED TO REPAIR HOLES IN NET; ACTIVE TRIBAL FISHERY AREA	DEAD		
2011	11	11	11/11/2011	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD		
2011	11	20	11/20/2011	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM AND RELEASED	NSI	P9	
2011	11	20	11/20/2011	HARBOR SEAL	GILLNET ENTANGLEMENT: TRIBAL FISHERY	UNKNOWN	WA	DEAD	REPORTED TO NOAA BY TRIBE AS KILLED IN GILLNET	DEAD		
2007	5	9	5/9/2007	HUMPBACK WHALE	VESSEL STRIKE	SACRAMENTO	CA	SI	THE CALF'S WOUND IS A LATERAL (ON ITS SIDE) LACERATION THAT IS ABOUT 2/3 OF THE WAY DOWN THE BODY. IT HAS ONLY BEEN SEEN INFREQUENTLY, BECAUSE THAT PART OF THE ANIMAL TYPICALLY REMAINS UNDERWATER, EXCEPT WHEN THE ANIMAL STRONGLY ARCHES ITS BACK. THIS CUT APPEARS TO BE DEEPER, AND IS BELIEVED TO EXTEND INTO THE MUSCLE LAYER AND MAY BE BLEEDING.	SI	L11	0.52
2007	5	9	5/9/2007	HUMPBACK WHALE	VESSEL STRIKE	SACRAMENTO	CA	NSI	THE ADULT COW HAS A STRAIGHT LACERATION ON HER DORSAL SURFACE THAT IS ESTIMATED TO BE 2-3' LONG AND 6" DEEP. THE CUT DOES NOT EXTEND INTO THE MUSCLE LAYER, AND NO BLOOD HAS BEEN SEEN FROM THIS WOUND. A SECOND SUPERFICIAL CUT CAN BE SEEN JUST BEFORE THE DORSAL FIN. VETERINARIANS DO NOT BELIEVE THAT THIS ANIMAL IS IN ANY IMMEDIATE DANGER FROM THIS WOUND.	NSI	L5B	0
2007	5	10	5/10/2007	HUMPBACK WHALE	GILLNET FISHERY	ORANGE	CA	SI	FREE-SWIMMING ANIMAL WITH PINK MONOFILAMENT GILLNET DRAPED OVER BACK; ANIMAL RESIGHTED OFF PALOS VERDES BAY CLUB LATER IN DAY; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN, NET IDENTIFIED AS HALIBUT SET GILLNET GEAR FROM PHOTOS.	SI	L10	0.75
2007	7	10	7/10/2007	HUMPBACK WHALE	LOBSTER TRAP ENTANGLEMENT	ORANGE	CA	SI	FREE-SWIMMING ANIMAL TOWING LOBSTER TRAP GEAR; NO RESCUE EFFORT INITIATED; NO RESIGHTINGS; FINAL STATUS UNKNOWN	SI	L10	0.75
2007	8	16	8/16/2007	HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	LINCOLN	OR	SI	LIVE HUMPBACK SIGHTED WITH CRAB GEAR WRAPPED AROUND RIGHT PECTORAL FLIPPER; OSU ATTEMPTS TO DISENTANGLE WHALE FAILED AS IT WAS TOO ACTIVE TO APPROACH CLOSELY ENOUGH.	SI	L10	0.75
2007	10	13	10/13/2007	HUMPBACK WHALE	VESSEL STRIKE	MARIN	CA	DEAD	CARCASS; FRACTURED SKULL	DEAD		
2007	10	16	10/16/2007	HUMPBACK WHALE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN MATEO	CA	SI (PRORATE)	FREE-SWIMMING ANIMAL; YELLOW ROPE WRAPPED AROUND TAIL STOCK; NO RESCUE EFFORT INITIATED; NO RESIGHTINGS; FINAL STATUS UNKNOWN	SI (PRORATE)	L10	0.75
2007	10	29	10/29/2007	HUMPBACK WHALE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN FRANCISCO	CA	SI	FREE-SWIMMING ANIMAL WITH 3 INDIVIDUAL ROPES DRAPED ACROSS DORSAL FIN & EXTENDING TO & AROUND FLUKES; ROPES = 0.5 INCHES IN DIAMETER, TWISTED; 3-STRAND, BLUE-GREEN IN COLOR; LINE LENGTH IN EXCESS OF 100 FEET; MULTIPLE LOOPS, SEVERAL BALLS OF ROPE (RATS-NEST-LIKE); NO RESCUE EFFORT INITIATED; NO RESIGHTINGS; FINAL STATUS UNKNOWN	SI	L2	1
2008	5	10	5/10/2008	HUMPBACK WHALE	DUNGENESS CRAB POT FISHERY ENTANGLEMENT	MONTEREY	CA	SI (PRORATE)	LIVE ANIMAL TOWING CRAB POT GEAR (BUOYS & LINE) FROM CHIN AREA; GEAR TYPE CONFIRMED BY OWNER OF GEAR; NON-FATAL INJURY (RESCUE EFFORT INITIATED, GEAR LEFT ON ANIMAL)	SI (PRORATE)	L10	0.75
2008	5	18	5/18/2008	HUMPBACK WHALE	VESSEL STRIKE	VANCOUVER ISLAND	B.C. CANADA	SI (PRORATE)	DRAGGER STRUCK WHALE IN THE FOG. SNAPPED STABILIZER ON BOAT.	SI (PRORATE)	L12	0.36

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Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2008	5	31	5/31/2008	HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	VANCOUVER ISLAND	BRITISH COLUMBI A	SI (PRORATE)	HUMPBACK ENTANGLED IN CRAB GEAR OFF VANCOUVER ISLAND, BC ON 5/31/2008. THE ANIMAL WAS A 24 FT. 1-2 YEAR OLD. 6 OF THE 7 FLOATS WERE SUCCESSFULLY REMOVED. FIVE FLOATS WERE RECOVERED, ALONG WITH 318 FEET OF LINE. ALL OF THE GEAR WAS DOCUMENTED AND INVESTIGATED TO TRACK THE ORIGINATING LOCATION. 2 FLOATS WERE USED IN FISHING OPERATIONS AT THE MOUTH OF THE COLUMBIA RIVER, AND THE OTHER 3 WERE FROM FISHING EFFORTS OFF OF WILLAPA BAY, WA.	SI (PRORATE)	L10	0.75
2008	6	12	6/12/2008	HUMPBACK WHALE	VESSEL STRIKE	CLALLAM	WA	DEAD	RELATIVELY GOOD BODY CONDITION AND STOMACH CONTAINED PARTIALLY DIGESTED KRILL. UPPER LEFT JAW BROKEN IN SEVERAL PLACES. DEEP CLEAN CUT NEAR GAPE ON SAME SIDE.	DEAD		
2008	7	5	7/5/2008	HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	CLALLAM	WA	SI	CALF-SIZED ANIMAL (BUT NO MOTHER PRESENT) HAD MULTIPLE CRAB LINES ATTACHED AROUND THE PECTORAL FIN, MOUTH AND TRAILING BACK TO THE FLUKE. SCARS INDICATE IT HAD BEEN ENTANGLED FOR QUITE SOME TIME	SI	L2	1
2008	8	5	8/5/2008	HUMPBACK WHALE	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	SANTA BARBARA	CA	SI (PRORATE)	LIVE ANIMAL TOWING POT/TRAP GEAR; NO RESIGHTINGS REPORTED; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN	SI (PRORATE)	L10	0.75
2008	8	10	8/10/2008	HUMPBACK WHALE	UNIDENTIFIED NET FISHERY ENTANGLEMENT/VESSEL STRIKE	MONTEREY	CA	SI	FREE-SWIMMING ANIMAL; NECROTIC FLUKES, FLUKES HANGING FROM CAUDAL PEDUNCLE BY CONNECTIVE TISSUE; ANIMAL APPEARS TO BE VERY WEAK; FINAL STATUS UNKNOWN	SI	L5A	1
2009	1	18	1/18/2009	HUMPBACK WHALE	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
2009	8	14	8/14/2009	HUMPBACK WHALE	UNIDENTIFIED FISHERY INTERACTION	HUMBOLDT	CA	DEAD	DEAD STRANDING; 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 PERSONNEL	DEAD		
2009	10	1	10/1/2009	HUMPBACK WHALE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	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
2010	5	13	5/13/2010	HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	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
2010	6	19	6/19/2010	HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	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
2010	7	25	7/25/2010	HUMPBACK WHALE	VESSEL STRIKE	MARIN	CA	DEAD	CARCASS OBSERVED FLOATING; PROPELLER WOUNDS OBSERVED	DEAD		

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2010	8	2	8/2/2010	HUMPBACK WHALE	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI	GREEN ROPES WRAPPED AROUND MID-SECTION, CUTTING INTO SKIN ON RIGHT SIDE; SIGHTING ORIGINALLY REPORTED BY LOCAL DIVE BOAT OPERATOR	SI	L2	1
2010	8	16	8/16/2010	HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	LINCOLN	OR	DEAD	MULTIPLE CRAB BUOYS ATTACHED TO ITS TAIL AND IT APPEARED TO BE ANCHORED BY THEM. CARCASS PHOTOGRAPHED	DEAD		
2010	8	17	8/17/2010	HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	MENDOCINO	CA	SI	LINES & BUOY'S EXTENDING FROM CAUDAL PEDUNCLE; SIGHTING REPORTED BY U.S. COAST GUARD HELICOPTER CREW	SI (PRORATE)	L10	0.75
2010	8	23	8/23/2010	HUMPBACK WHALE	UNIDENTIFIED FISHERY INTERACTION	HUMBOLDT	CA	SI	3 GREEN ROPES WRAPPED AROUND MID-BODY. ANIMAL DIVING AND BREACHING	SI (PRORATE)	L10	0.75
2010	8	24	8/24/2010	HUMPBACK WHALE	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI	10 FEET OF RED ROPE TRAILING FROM FLUKES	SI (PRORATE)	L10	0.75
2010	8	31	8/31/2010	HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	COOS	OR	DEAD	CARCASS INITIALLY SEEN OFFSHORE, MULTIPLE YELLOW AND RED FLOATS ATTACHED TO ANIMAL. GEAR WAS IDENTIFIED AS OREGON DUNGENESS CRAB FISHERY GEAR FROM BUOY NUMBERS AFTER ANIMAL CAME ASHORE.	DEAD		
2011	5	8	5/8/2011	HUMPBACK WHALE	VESSEL STRIKE	LOS ANGELES	CA	DEAD	ANIMAL STRUCK JUST FORWARD OF THE DORSAL FIN. ONLY 20 FT OF THE ANIMAL REMAINED AFTER THE PROPELLOR CUT THE HEAD, PECTORAL FINS AND THORACIC CAVITY AWAY	DEAD		
2011	5	10	5/10/2011	HUMPBACK WHALE	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
2011	5	12	5/12/2011	HUMPBACK WHALE	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
2011	7	16	7/16/2011	HUMPBACK WHALE	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
2011	8	14	8/14/2011	HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	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
2011	8	25	8/25/2011	HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	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
2011	10	1	10/1/2011	HUMPBACK WHALE	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
2007	5	28	5/28/2007	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN DIEGO	CA	DEAD	CARCASS; LACERATION AT VENTRAL INSERTION OF FLUKE; STRAIGHT LINE MARKS ON PECTORAL FIN	DEAD		

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2007	5	30	5/30/2007	LONG-BEAKED COMMON DOLPHIN	SHOOTING	SAN DIEGO	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD, BULLET RECOVERED FROM HEAD	DEAD		
2007	5	31	5/31/2007	LONG-BEAKED COMMON DOLPHIN	SHOOTING	SAN DIEGO	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD; 3 CENTIMETER LONG STRAIGHT CUTS IN BLUBBER ALONG ABDOMEN IN VARIOUS ORIENTATIONS; VERTICAL LACERATIONS ALONG TAIL STOCK	DEAD		
2007	6	2	6/2/2007	LONG-BEAKED COMMON DOLPHIN	SHOOTING	SAN DIEGO	CA	DEAD	CARCASS; MULTIPLE GUNSHOT WOUNDS; BULLET EXTRACTED FROM MUSCLE TISSUE POSTERIOR TO BASE OF SKULL; 1.5 CENTIMETER HOLE IN SUPRAOCCIPITAL BONE, BONE CRACKED IN REGION ABOVE HOLE	DEAD		
2007	6	5	6/5/2007	LONG-BEAKED COMMON DOLPHIN	SHOOTING	SAN DIEGO	CA	DEAD	CARCASS; 2 GUNSHOT WOUNDS TO DORSUM; 1 BULLET LODGED IN BLUBBER/MUSCLE INTERFACE NEAR HYOID COMPLEX, APPROXIMATELY 15 CENTIMETERS VENTRAL & DIAGONAL TO CRANIAL BULLET WOUND	DEAD		
2007	9	26	9/26/2007	LONG-BEAKED COMMON DOLPHIN	SHOOTING	VENTURA	CA	DEAD	CARCASS; 1 CENTIMETER GUNSHOT ENTRY WOUND IN RIGHT SIDE OF CAUDAL PEDUNCLE; 3-4 LUMBAR VERTEBRAE WITH BROKEN LATERAL PROCESSES; HEAVILY DAMAGED LIVER; LACERATED RIGHT LUNG	DEAD		
2007	11	24	11/24/2007	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN DIEGO	CA	DEAD	CARCASS; GOOD BODY CONDITION; FULL STOMACH; ROPE MARKS AROUND CAUDAL PEDUNCLE	DEAD		
2007	12	21	12/21/2007	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN DIEGO	CA	DEAD	CARCASS; LINE IMPRESSION FROM MULTI-FILAMENT LINE AROUND BODY AT ANTERIOR INSERTION POINT OF DORSAL & PECTORAL FINS & AROUND ROSTRUM; FROTH IN LUNGS	DEAD		
2008	1	28	1/28/2008	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN DIEGO	CA	DEAD	CARCASS; NET-LIKE SCARS ON CAUDAL PEDUNCLE, FLANK, ABDOMEN & PECTORAL FIN	DEAD		
2008	6	14	6/14/2008	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT	VENTURA	CA	DEAD	CARCASS; FLUKES CLEANLY CUT OFF	DEAD		
2008	8	22	8/22/2008	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN DIEGO	CA	DEAD	LIVE STRANDING; ANIMAL PUSHED BACK OUT TO SEA BY PRIVATE CITIZENS, LATER WASHED IN DEAD; LINEAR WHITE SCARS ACROSS DORSAL CAUDAL PEDUNCLE & MALFORMATION OF DORSAL FIN INDICATE OLD ENTANGLEMENT; CAUSE OF DEATH = UNKNOWN	DEAD		
2008	11	7	11/7/2008	LONG-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2009	4	9	4/9/2009	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN DIEGO	CA	DEAD	DEAD STRANDING; BRUISING ON VENTRUM; 0.5 CENTIMETER WIDE ROPE IMPRESSIONS ACROSS FLANK & CAUDAL PEDUNCLE; CARCASS EXAMINED BY SWFSC PERSONNEL	DEAD		
2009	5	18	5/18/2009	LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	SAN DIEGO	CA	DEAD	DEAD STRANDING; TAIL STOCK CUT OFF; CARCASS EXAMINED BY SWFSC PERSONNEL	DEAD		
2009	5	25	5/25/2009	LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	VENTURA	CA	DEAD	DEAD STRANDING; FLUKES MISSING; GAFF-LIKE MARKS ON VENTRUM; CARCASS EXAMINED BY SBMNH PERSONNEL	DEAD		
2009	6	3	6/3/2009	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN DIEGO	CA	DEAD	DEAD STRANDING; 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 PERSONNEL	DEAD		
2009	12	27	12/27/2009	LONG-BEAKED COMMON DOLPHIN	HOOK & LINE FISHERY	ORANGE	CA	DEAD	DEAD STRANDING; FISH HOOK WITH ATTACHED LINE WRAPPED AROUND ROSTRUM; CARCASS EXAMINED BY PACIFIC MARINE MAMMAL CENTER PERSONNEL	DEAD		
2010	1	18	1/18/2010	LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	LOS ANGELES	CA	DEAD	FLUKES CUT OFF	DEAD		
2010	1	20	1/20/2010	LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	LOS ANGELES	CA	DEAD	MISSING FLUKE, CUT OFF, POSSIBLY POST-MORTEM	DEAD		
2010	2	18	2/18/2010	LONG-BEAKED COMMON DOLPHIN	VESSEL STRIKE	LOS ANGELES	CA	DEAD	10 EVENLY-SPACED DIAGONAL SCARS ON LEFT SIDE, CUTTING SLIGHTLY INTO BLUBBER	DEAD		
2010	2	19	2/19/2010	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	DEAD	FLUKE MISSING	DEAD		

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2010	4	16	4/16/2010	LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	SAN DIEGO	CA	DEAD	TAIL STOCK CUT OFF	DEAD		
2010	6	21	6/21/2010	LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	VENTURA	CA	DEAD	PEDUNCLE CLEANLY CUT	DEAD		
2010	7	17	7/17/2010	LONG-BEAKED COMMON DOLPHIN	KNIFE WOUNDS	VENTURA	CA	DEAD	SEVERAL KNIFE SLASHES ON BODY CROSS-HATCH INDENTATIONS ALONG RIGHT AND LEFT LATERAL ASPECTS OF BODY. LINE INDENTATIONS ALONG THE DORSAL FIN. BROKEN TEETH IN THE JAW.	DEAD		
2010	7	19	7/19/2010	LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	SAN DIEGO	CA	DEAD		DEAD		
2010	9	5	9/5/2010	LONG-BEAKED COMMON DOLPHIN	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	11	19	11/19/2010	LONG-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	1	11	1/11/2011	LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	SAN DIEGO	CA	DEAD	NET AND ROPE IMPRESSIONS AROUND HEAD, JAWS, AND PEDUNCLE.	DEAD		
2011	3	4	3/4/2011	LONG-BEAKED COMMON DOLPHIN	UNDERWATER DETONATION EXERCISES	SAN DIEGO	CA	DEAD	SEE DANIL AND ST LEGER 2011	DEAD		
2011	3	4	3/4/2011	LONG-BEAKED COMMON DOLPHIN	UNDERWATER DETONATION EXERCISES	SAN DIEGO	CA	DEAD	SEE DANIL AND ST LEGER 2011	DEAD		
2011	3	4	3/4/2011	LONG-BEAKED COMMON DOLPHIN	UNDERWATER DETONATION EXERCISES	SAN DIEGO	CA	DEAD	SEE DANIL AND ST LEGER 2011	DEAD		
2011	3	7	3/7/2011	LONG-BEAKED COMMON DOLPHIN	UNDERWATER DETONATION EXERCISES	SAN DIEGO	CA	DEAD	SEE DANIL AND ST LEGER 2011	DEAD		
2011	4	10	4/10/2011	LONG-BEAKED COMMON DOLPHIN	MARINE DEBRIS INGESTION	SAN DIEGO	CA	DEAD	CHEETOS BAG LODGED IN ESOPHAGUS	DEAD		
2011	5	12	5/12/2011	LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	ORANGE	CA	DEAD	ENTANGLED IN 8.5 INCH MESH NET FLUKES WERE CLEANLY CUT OFF. CUT ON TAIL END APPEARS TO BE FROM NETTING (ENTANGLEMENT).	DEAD		
2011	6	11	6/11/2011	LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	VENTURA	CA	DEAD	FRESH DEAD, GAFF MARK IN CORNER OF MOUTH	DEAD		
2011	7	8	7/8/2011	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	CUT HALF WAY THROUGH DORSAL FIN	DEAD		
2011	7	14	7/14/2011	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	RED ROPE TIED AROUND BASE OF FLUKE MIRROR IMAGE LACERATIONS ON BOTH SIDES ON CAUDAL PEDUNCLE INDICATE ENTANGLEMENT	DEAD		
2011	9	1	9/1/2011	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED FISHERY INTERACTION	SAN DIEGO	CA	DEAD	PUNCTURES & GOUGES ON HEAD, RED BLUBBER/MISSING SKIN ON SIDES OF PEDUNCLE. CLEAN CUT ACROSS PEDUNCLE ANTERIOR TO FLUKES	DEAD		
2011	9	9	9/9/2011	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED FISHERY INTERACTION	VENTURA	CA	DEAD	FLUKES CLEANLY CUT OFF	DEAD		
2011	9	17	9/17/2011	LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	VENTURA	CA	DEAD	FLUKES CLEANLY CUT OFF	DEAD		
2011	9	28	9/28/2011	LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	VENTURA	CA	DEAD	FLUKES CLEANLY CUT OFF	DEAD		
2011	11	4	11/4/2011	LONG-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	17	4/17/2010	MINKE WHALE	GILLNET FISHERY	MONTEREY	CA	SI (PRORATE)	ROPE & NETTING AROUND HEAD AREA	SI (PRORATE)	L10	0.75
2011	12	18	12/18/2011	MINKE WHALE	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	NSI	ANIMAL DISENTANGLED AND RELEASED WITHOUT TRAILING GEAR.	NSI	L3	
2007	1	28	1/28/2007	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; RED PACKING STRAP CUTTING DEEP INTO NECK; ANIMAL HAULED OUT ON NORTHERN ELEPHANT SEAL ROOKERY IN VICINITY OF OTHER ANIMALS; FINAL STATUS UNKNOWN	SI	P8A	
2007	3	27	3/27/2007	NORTHERN ELEPHANT SEAL	SHOOTING	CLALLAM	WA	DEAD	ANIMAL APPEARED TO HAVE BEEN SHOT IN RIGHT SIDE OF HEAD	DEAD		
2007	6	2	6/2/2007	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	LOS ANGELES	CA	SI	LIVE STRANDING; PLASTIC FRAGMENTS AROUND HEAD & NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P7B	
2007	6	13	6/13/2007	NORTHERN ELEPHANT SEAL	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK IN ESOPHAGUS, ATTACHED FISHING LINE DOWN THROAT; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH = HEAVY GASTRIC AND PULMONARY PARASITISM)	DEAD	P2	
2007	7	13	7/13/2007	NORTHERN ELEPHANT SEAL	ENTRAPMENT	VENTURA	CA	DEAD	CARCASS DISCOVERED UNDER INVERTED TRASH CAN. IT IS BELIEVED THAT THE ANIMAL HAULED OUT ALIVE THE PREVIOUS EVENING & THAT A PRIVATE CITIZEN PLACED THE INVERTED TRASH CAN OVER THE ANIMAL; CAUSE OF DEATH = SUFFOCATION OR HEAT PROSTRATION	DEAD		
2007	10	26	10/26/2007	NORTHERN ELEPHANT SEAL	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2007	11	15	11/15/2007	NORTHERN ELEPHANT SEAL	STAB WOUNDS	DEL NORTE	CA	SI	LIVE STRANDING; ANIMAL HAULED OUT IN HARBOR, STABBED IN LEFT EYE WITH SHARP OBJECT BY UNKNOWN PERSON ON 10TH DAY OF HAULOUT; MORTALITY (ANIMAL DIED IN REHAB FROM COMPLICATIONS FROM EYE INJURY)	DEAD	P9	
2007	12	20	12/20/2007	NORTHERN ELEPHANT SEAL	CAR COLLISION	SAN MATEO	CA	DEAD	CARCASS REMOVED FROM SHOULDER OF HIGHWAY 1; NECROPSY REVEALED INTERNAL INJURIES CONSISTENT WITH CAR COLLISION	DEAD		
2007	12	30	12/30/2007	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; SUBADULT ANIMAL HAULED OUT ON ELEPHANT SEAL ROOKERY; SINGLE LOOP OF 3- STRAND ROPE EMBEDDED IN NECK; NO RESCUE INITIATED; FINAL STATUS OF ANIMAL UNKNOWN	SI	P8A	
2007	12	31	12/31/2007	NORTHERN ELEPHANT SEAL	CAR COLLISION	SAN LUIS OBISPO	CA	DEAD	CARCASS REMOVED FROM HIGHWAY 1 BY CALTRANS PERSONNEL; SUSPECTED CAR COLLISION	DEAD		
2008	4	16	4/16/2008	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	SAN LUIS OBISPO	CA	SI	LIVE ANIMAL ON ELEPHANT SEAL ROOKERY; ROPE FRAGMENT AROUND NECK; NO RESCUE EFFORT INITIATED DUE TO PRESENCE OF OTHER ANIMALS; FINAL STATUS UNKNOWN	SI	P8A	
2008	5	3	5/3/2008	NORTHERN ELEPHANT SEAL	SHOOTING	SAN LUIS OBISPO	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD	DEAD		
2008	5	3	5/3/2008	NORTHERN ELEPHANT SEAL	SHOOTING	SAN LUIS OBISPO	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD	DEAD		
2008	5	3	5/3/2008	NORTHERN ELEPHANT SEAL	SHOOTING	SAN LUIS OBISPO	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD	DEAD		
2008	5	10	5/10/2008	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	SAN LUIS OBISPO	CA	SI	LIVE ANIMAL ON ELEPHANT SEAL ROOKERY; PACKING STRAP AROUND NECK; NO RESCUE EFFORT INITIATED DUE TO PRESENCE OF OTHER ANIMALS; FINAL STATUS UNKNOWN	SI	P8A	
2008	5	27	5/27/2008	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	MARIN	CA	SI	LIVE ANIMAL; PLASTIC STRAP AROUND NECK; ANIMAL CONTINUOUSLY IN & OUT OF WATER; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN	SI	P8A	
2008	6	1	6/1/2008	NORTHERN ELEPHANT SEAL	VESSEL STRIKE	LOS ANGELES	CA	DEAD	CARCASS; HEALED PROPELLER WOUNDS DOWN LENGTH OF BACK; CAUSE OF DEATH = UNKNOWN	DEAD		
2008	7	17	7/17/2008	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	SAN DIEGO	CA	DEAD	CARCASS; ROPE TIGHTLY WOUND AROUND NECK	DEAD		
2008	10	30	10/30/2008	NORTHERN ELEPHANT SEAL	CAR COLLISION	ALAMEDA	CA	DEAD	LIVE ANIMAL IN MIDDLE OF ROAD, HIT BY CAR; MORTALITY	DEAD		
2009	1	25	1/25/2009	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	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	
2009	2	6	2/6/2009	NORTHERN ELEPHANT SEAL	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; 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	
2009	2	15	2/15/2009	NORTHERN ELEPHANT SEAL	HOOK & LINE FISHERY	MONTEREY	CA	SI	LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO INTRASPECIES TRAUMA & OSTEOMYELITIS IN REAR FLIPPER BONES; NECROPSY REVEALED FISH HOOK & ATTACHED LINE IN STOMACH)	DEAD	P2	
2009	3	10	3/10/2009	NORTHERN ELEPHANT SEAL	LOBSTER TRAP ENTANGLEMENT	VENTURA	CA	SI	LIVE STRANDING; 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 OF GEAR; NON-FATAL INJURY (ANIMAL DISENTANGLED ON SITE & RELEASED)	NSI	P7B	
2009	3	27	3/27/2009	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	LOS ANGELES	CA	SI	LIVE STRANDING; PLASTIC TRASH BAG WRAPPED AROUND HEAD; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	

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2009	4	22	4/22/2009	NORTHERN ELEPHANT SEAL	HOOK & LINE FISHERY/MARINE DEBRIS INGESTION	LOS ANGELES	CA	NSI	LIVE STRANDING; 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	
2009	5	13	5/13/2009	NORTHERN ELEPHANT SEAL	UNIDENTIFIED FISHERY INTERACTION / MARINE DEBRIS ENTANGLEMENT	SAN DIEGO	CA	DEAD	DEAD STRANDING; MONOFILAMENT LINE-LIKE LINEAR LACERATION EXTENDING INTO MUSCLE ON VENTRUM NEAR FLIPPERS; CARCASS EXAMINED BY SWFSC PERSONNEL	DEAD		
2009	5	16	5/16/2009	NORTHERN ELEPHANT SEAL	POWER PLANT ENTRAINMENT	VENTURA	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD		
2009	5	30	5/30/2009	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	SAN MATEO	CA	SI	LIVE STRANDING; GREEN PACKING STRAP AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	
2009	6	14	6/14/2009	NORTHERN ELEPHANT SEAL	HOOK & LINE FISHERY	COOS	OR	SI	FISH HOOK WAS IN THE GUM ABOVE THE RIGHT CANINE TOOTH. TRANSPORTED TO OREGON COAST AQUARIUM.	NSI	P5C	
2009	9	23	9/23/2009	NORTHERN ELEPHANT SEAL	HOOK & LINE FISHERY	KING	WA	NSI	THIS ANIMAL WAS HAULED OUT ON PRIVATE PROPERTY 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	
2009	9	24	9/24/2009	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	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	
2009	10	24	10/24/2009	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	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	
2009	11	23	11/23/2009	NORTHERN ELEPHANT SEAL	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	
2010	2	2	2/2/2010	NORTHERN ELEPHANT SEAL	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	
2010	2	2	2/2/2010	NORTHERN ELEPHANT SEAL	SHOOTING	PACIFIC	WA	DEAD	BULLET FOUND IN BRAIN CAVITY	DEAD		
2010	2	28	2/28/2010	NORTHERN ELEPHANT SEAL	HUMAN-INDUCED ABANDONMENT	SANTA CRUZ	CA	SI	PUP FOUND IN A LAUNDRY ROOM ON A DOG BED, TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P14	
2010	3	31	3/31/2010	NORTHERN ELEPHANT SEAL	POWER PLANT ENTRAINMENT	VENTURA	CA	DEAD	FOUND IN POWER STATION'S INTAKE TAKE	DEAD		
2010	5	9	5/9/2010	NORTHERN ELEPHANT SEAL	MARINE DEBRIS INGESTION	MONTEREY	CA	SI	PLASTIC LODGED IN THROAT. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	
2010	10	6	10/6/2010	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	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	
2011	1	20	1/20/2011	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	MARIN	CA	SI	ANIMAL ENTANGLED IN 1/2" ROPE NETTING AROUND NECK. DISENTANGLED, IMMEDIATE RELEASE ON SITE.	NSI	P7B	
2011	4	3	4/3/2011	NORTHERN ELEPHANT SEAL	RESEARCH	SAN MATEO	CA	DEAD	RESEARCH ANIMAL DIED UNDER ANAESTHESIA	DEAD		
2011	4	8	4/8/2011	NORTHERN ELEPHANT SEAL	TAR	ORANGE	CA	SI	UNDERWEIGHT ANIMAL WITH TAR ON MUZZLE AND EYE. TAKEN INTO REHAB CENTER FOR TREATMENT	SI	P9	

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2011	11	8	11/8/2011	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	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	
2007	4	28	4/28/2007	NORTHERN FUR SEAL	SCIENTIFIC RESEARCH TRAWL	MONTEREY	CA	DEAD	CARCASS; SCIENTIFIC SARDINE SURFACE TRAWL ENTANGLEMENT	DEAD		
2007	8	9	8/9/2007	NORTHERN FUR SEAL	SHOOTING	SONOMA	CA	SI	LIVE STRANDING; GUNSHOT WOUND TO RIGHT SIDE OF HEAD, BULLET FRAGMENTS RECOVERED; ANIMAL EUTHANIZED IN REHAB	DEAD	P9	
2007	11	9	11/9/2007	NORTHERN FUR SEAL	HOOK & LINE FISHERY	SAN JOAQUIN	CA	NSI	LIVE STRANDING; FISHING LURE IN UPPER LIP; ANIMAL TAKEN INTO REHAB, TREATED, AND RELEASED	NSI	P5B	
2007	11	9	11/9/2007	NORTHERN FUR SEAL	HOOK & LINE FISHERY	SAN JOAQUIN	CA	NSI	LIVE STRANDING; FISHING LURE IN UPPER LIP; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5B	
2008	4	26	4/26/2008	NORTHERN FUR SEAL	SCIENTIFIC RESEARCH TRAWL	OFFSHORE SAN FRANCISCO	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	6	11	6/11/2008	NORTHERN FUR SEAL	MARINE DEBRIS ENTANGLEMENT	ORANGE	CA	SI	LIVE ANIMAL SWIMMING OFFSHORE ENTANGLED IN 3.5 POUNDS OF NETTING, MONOFILAMENT FISHING LINE, FISHING LURES, AND FISH HOOKS; ANIMAL BARELY ABLE TO STAY AFLOAT; ANIMAL CAPTURED, TAKEN INTO REHAB, DISENTANGLED, TREATED, AND RELEASED	NSI	P7B	
2008	7	9	7/9/2008	NORTHERN FUR SEAL	MARINE DEBRIS ENTANGLEMENT	LOS ANGELES	CA	DEAD	CARCASS; PLASTIC BAND AROUND NECK	DEAD		
2008	7	31	7/31/2008	NORTHERN FUR SEAL	SCIENTIFIC RESEARCH TRAWL	MENDOCINO	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	2	8/2/2008	NORTHERN FUR SEAL	SCIENTIFIC RESEARCH TRAWL	SAN FRANCISCO	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	10	19	10/19/2008	NORTHERN FUR SEAL	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN BACK OF TONGUE; ANIMAL TAKEN INTO REHAB, TREATED, AND RELEASED	NSI	P5C	
2009	2	1	2/1/2009	NORTHERN FUR SEAL	UNIDENTIFIED NET FISHERY ENTANGLEMENT	CLATSOP	OR	DEAD	CARCASS; NET ENTANGLEMENT; EMACIATED, HEAVY BRUISING ON VENTRAL THORAX AND ABDOMEN	DEAD		
2009	4	7	4/7/2009	NORTHERN FUR SEAL	MARINE DEBRIS ENTANGLEMENT	LINCOLN	OR	DEAD	ONE OF THREE FUR SEALS FOUND IN BLUE LARGE MESH NET ON BEACH. NET IDENTIFIED AS BEING CHINESE IN ORIGIN.	DEAD		
2009	4	7	4/7/2009	NORTHERN FUR SEAL	MARINE DEBRIS ENTANGLEMENT	LINCOLN	OR	DEAD	ONE OF THREE FUR SEALS FOUND IN BLUE LARGE MESH NET ON BEACH. NET IDENTIFIED AS BEING CHINESE IN ORIGIN.	DEAD		
2009	4	7	4/7/2009	NORTHERN FUR SEAL	MARINE DEBRIS ENTANGLEMENT	LINCOLN	OR	DEAD	ONE OF THREE FUR SEALS FOUND IN BLUE LARGE MESH NET ON BEACH. NET IDENTIFIED AS BEING CHINESE IN ORIGIN.	DEAD		
2009	5	25	5/25/2009	NORTHERN FUR SEAL	SCIENTIFIC RESEARCH TRAWL	UNKNOWN	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2011	4	8	4/8/2011	NORTHERN FUR SEAL	MARINE DEBRIS ENTANGLEMENT/TRAWL NET FISHERY ENTANGLEMENT	LINCOLN	OR	DEAD	CARCASS; PLASTIC PACKING BAND CUTTING INTO NECK; OBVIOUS DAMAGE TO SKIN, BLUBBER, AND MUSCLE; ENTANGLED IN GREENISH TRAWL NET	DEAD		
2011	6	22	6/22/2011	NORTHERN FUR SEAL	UNIDENTIFIED TRAWL FISHERY/MARINE DEBRIS ENTANGLEMENT	PACIFIC	WA	DEAD	CARCASS; GREEN MULTIFILAMENT NET (LIKELY FROM TRAWL NET) WRAPPED AROUND NECK; DUE TO DECOMPOSITION AND SCAVENGING NOT ABLE TO DETERMINE IF NET WAS CAUSE OF DEATH OR IF IT CONTRIBUTED TO DEATH	DEAD		
2007	12	14	12/14/2007	NORTHERN RIGHT WHALE DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	8	8	8/8/2008	NORTHERN RIGHT WHALE DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	8	8/8/2008	NORTHERN RIGHT WHALE DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	8	8/8/2008	NORTHERN RIGHT WHALE DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	8	8/8/2008	NORTHERN RIGHT WHALE DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	8	8/8/2008	NORTHERN RIGHT WHALE DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	8	8	8/8/2008	NORTHERN RIGHT WHALE DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD		
2008	12	8	12/8/2008	NORTHERN RIGHT WHALE DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	12	6	12/6/2010	NORTHERN RIGHT WHALE DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		

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2009	10	7	10/7/2009	PACIFIC WHITE-SIDED DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2009	10	7	10/7/2009	PACIFIC WHITE-SIDED DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	4	18	4/18/2010	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	MONTEREY	CA	SI	ANIMAL CAUGHT IN RESEARCH TRAWL, RELEASED AT SEA	SI	S4	
2010	4	25	4/25/2010	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	ANIMAL CAUGHT IN RESEARCH TRAWL, RELEASED AT SEA	DEAD		
2010	9	10	9/10/2010	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	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		
2011	4	3	4/3/2011	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	SANTA CRUZ	CA	DEAD	ANIMAL CAUGHT IN RESEARCH TRAWL, CARCASS DISPOSED AT SEA	DEAD		
2011	9	10	9/10/2011	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD		
2011	9	10	9/10/2011	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD		
2011	9	10	9/10/2011	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD		
2011	9	10	9/10/2011	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD		
2011	9	10	9/10/2011	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD		
2011	9	10	9/10/2011	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD		
2011	9	10	9/10/2011	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A SURFACE TRAWL	DEAD		
2007	6	25	6/25/2007	RISSO'S DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT/VESSEL STRIKE	ORANGE	CA	DEAD	CARCASS; ABDOMEN CUT OPEN FROM STERNUM TO GENITAL SLIT; FLUKES HANGING FROM TAIL STOCK; BROKEN SKULL & RIBS	DEAD		
2008	10	18	10/18/2008	RISSO'S DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	1	22	1/22/2010	RISSO'S DOLPHIN	UNIDENTIFIED FISHERY INTERACTION	LOS ANGELES	CA	DEAD	MULTIPLE PARALLEL LACERATIONS	DEAD		
2011	9	29	9/29/2011	RISSO'S DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	1	18	1/18/2007	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	6	5	6/5/2007	SHORT-BEAKED COMMON DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN DIEGO	CA	DEAD	CARCASS; POSSIBLE TWISTED ROPE IMPRESSION & INDENTATION ON TAIL STOCK	DEAD		
2007	7	14	7/14/2007	SHORT-BEAKED COMMON DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN MATEO	CA	DEAD	CARCASS; 0.75 INCH X 0.5 INCH HOLE AT BASE OF CRANIUM; PROBABLE GAFF WOUND	DEAD		
2007	10	18	10/18/2007	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	11	5	11/5/2007	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	11	7	11/7/2007	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	11	7	11/7/2007	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	11	17	11/17/2007	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	12	3	12/3/2007	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	12	15	12/15/2007	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	12	17	12/17/2007	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	10	17	10/17/2008	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	10	25	10/25/2008	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	10	26	10/26/2008	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	10	26	10/26/2008	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	10	26	10/26/2008	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	11	12	11/12/2008	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	11	23	11/23/2008	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	12	20	12/20/2008	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2009	12	4	12/4/2009	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2009	12	17	12/17/2009	SHORT-BEAKED COMMON DOLPHIN	GILLNET FISHERY	SAN DIEGO	CA	DEAD	DEAD STRANDING; 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 PERSONNEL	DEAD		
2010	9	18	9/18/2010	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	9	18	9/18/2010	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2010	12	5	12/5/2010	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	10	14	10/14/2011	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	12	4	12/4/2011	SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2007	2	21	2/21/2007	SPERM WHALE	VESSEL STRIKE	LANE	OR	DEAD	OBVIOUS EVIDENCE OF PROPELLER TRAUMA; DEEP GASH ON DORSAL SIDE, CAUDAL END OF BODY CUT OFF AT PEDUNCLE	DEAD		
2007	8	15	8/15/2007	SPERM WHALE	VESSEL STRIKE	OFFSHORE	WA	NSI	58 FOOT SABLEFISH LONGLINE VESSEL HIT WHALE AT IDLE SPEED. OBSERVER REPORTED NO EVIDENCE OF INJURY TO THE WHALE. DAY OF OBSERVATION WAS NOT PROVIDED BY OBSERVER PROGRAM, THUS, 'DAY' IS REPORTED AS '15TH', OR MIDPOINT OF MONTH	NSI	L6C	
2008	2	1	2/1/2008	SPERM WHALE	MARINE DEBRIS INGESTION	DEL NORTE	CA	DEAD	CARCASS; STOMACH CRAMMED WITH NETS OF DIFFERING TYPE	DEAD		
2008	3	14	3/14/2008	SPERM WHALE	GILLNET FISHERY	PACIFIC	WA	DEAD	APPEARED TO HAVE ENTANGLEMENT SCARS	DEAD		
2008	3	15	3/15/2008	SPERM WHALE	MARINE DEBRIS INGESTION	MARIN	CA	DEAD	CARCASS; STOMACH CRAMMED WITH NETS OF DIFFERING TYPE & SEVERAL PLASTIC TARPS; ROPE MARKS ON PECTORAL FLIPPER	DEAD		
2010	12	5	12/5/2010	SPERM WHALE	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
2010	12	5	12/5/2010	SPERM WHALE	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2011	3	12	3/12/2011	STRIPED DOLPHIN	UNIDENTIFIED FISHERY INTERACTION	LINCOLN	OR	DEAD	CARCASS CUT OPEN ALONG DORSUM. SMALL CUTS AT AXILLA AND PECTORAL FLIPPER	DEAD		
2008	3	2	3/2/2008	UNIDENTIFIED COMMON DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN DIEGO	CA	DEAD	CARCASS; HEAD, FLUKES, RIGHT PECTORAL FIN & DORSAL FIN SEVERED; ABDOMEN SLICED OPEN	DEAD		
2008	4	7	4/7/2008	UNIDENTIFIED COMMON DOLPHIN	GILLNET FISHERY	ORANGE	CA	DEAD	CARCASS; ABDOMEN CUT OPEN; FLUKES MISSING; NET-LIKE MARKS ANTERIOR & POSTERIOR TO EYE	DEAD		
2009	7	29	7/29/2009	UNIDENTIFIED COMMON DOLPHIN	VESSEL STRIKE	SAN DIEGO	CA	DEAD	DEAD STRANDING; PROPELLER-LIKE 28 CENTIMETER LONG "S" SHAPED WOUND ALONG RIGHT DORSUM EXTENDING INTO BODY CAVITY, SEVERING SPINE & 11 RIBS; CARCASS EXAMINED BY SWFSC PERSONNEL	DEAD		
2009	10	25	10/25/2009	UNIDENTIFIED COMMON DOLPHIN	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN DIEGO	CA	DEAD	DEAD STRANDING; GAFF-LIKE 3 CENTIMETER LONG INCISION IN THROAT REGION; STOMACH FULL OF FISH; CARCASS EXAMINED BY SWFSC PERSONNEL	DEAD		
2007	3	24	3/24/2007	UNIDENTIFIED DOLPHIN	GILLNET FISHERY	LOS ANGELES	CA	DEAD	CARCASS; 1 OF 2 ANIMALS FOUND ENTANGLED IN FISHING NET	DEAD		
2007	3	24	3/24/2007	UNIDENTIFIED DOLPHIN	GILLNET FISHERY	LOS ANGELES	CA	NSI	LIVE STRANDING; 1 OF 2 ANIMALS FOUND ENTANGLED IN FISHING NET; NON-FATAL INJURY (ANIMAL FREED FROM NET BY LIFEGUARDS & SWAM OFF IN NO APPARENT DISTRESS)	NSI	S7B	
2007	6	18	6/18/2007	UNIDENTIFIED PINNIPED	VESSEL STRIKE	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN BAY; PROPELLER-LIKE WOUNDS TO BODY	DEAD		
2007	8	7	8/7/2007	UNIDENTIFIED PINNIPED	VESSEL STRIKE	SAN DIEGO	CA	DEAD	CARCASS; PROPELLER-LIKE WOUNDS TO BODY	DEAD		

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2007	8	8	8/8/2007	UNIDENTIFIED PINNIPED	CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD		
2008	5	19	5/19/2008	UNIDENTIFIED PINNIPED	MARINE DEBRIS/UNIDENTIFIED NET FISHERY ENTANGLEMENT	LOS ANGELES	CA	DEAD	CARCASS; ROPE AROUND NECK	DEAD		
2008	5	24	5/24/2008	UNIDENTIFIED PINNIPED	VESSEL STRIKE	ORANGE	CA	DEAD	CARCASS; PROPELLER-LIKE WOUNDS TO BODY	DEAD		
2010	6	11	6/11/2010	UNIDENTIFIED PINNIPED	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	ANIMAL ENTRAINED IN CIRCULATING WATER SCREEN BAY (ENTERED THROUGH INTAKE TUNNEL)	DEAD		
2007	4	7	4/7/2007	UNIDENTIFIED WHALE	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	SAN MATEO	CA	SI	FREE-SWIMMING ANIMAL TOWING POT/TRAP GEAR; NO RESCUE EFFORT INITIATED; NO RESIGHTINGS; FINAL STATUS UNKNOWN	SI	L10	0.75
2007	6	14	6/14/2007	UNIDENTIFIED WHALE	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	SANTA CRUZ	CA	SI	FREE-SWIMMING ANIMAL WITH 3 WRAPS OF POT/TRAP GEAR AROUND TAIL STOCK, TOWING 3 BUOYS; ACCOMPANIED BY SMALLER NON-ENTANGLED ANIMAL; NO RESCUE EFFORT INITIATED; NO RESIGHTINGS; FINAL STATUS UNKNOWN	SI	L2	1
2007	6	27	6/27/2007	UNIDENTIFIED WHALE	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MONTEREY	CA	SI	FREE-SWIMMING ANIMAL TOWING 2 POT/TRAP BUOYS FROM TAIL STOCK; NO RESCUE EFFORT INITIATED; NO RESIGHTINGS; FINAL STATUS UNKNOWN	SI	L10	0.75
2007	7	3	7/3/2007	UNIDENTIFIED WHALE	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MENDOCINO	CA	NSI	FREE-SWIMMING ANIMAL TOWING POT/TRAP GEAR; NO RESCUE EFFORT INITIATED; NON-FATAL INJURY (USCG REPORTED THAT ANIMAL FREED ITSELF FROM GEAR)	NSI	L3	0
2008	1	2	1/2/2008	UNIDENTIFIED WHALE	VESSEL STRIKE	SAN FRANCISCO	CA	SI	TUGBOAT COLLIDED WITH FREE-SWIMMING WHALE; FINAL STATUS OF ANIMAL UNKNOWN	SI	L12	0.36
2008	8	18	8/18/2008	UNIDENTIFIED WHALE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SAN FRANCISCO	CA	SI (PRORATE)	LIVE ANIMAL TOWING UNIDENTIFIED NETTING; NO RESIGHTINGS REPORTED; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN	SI (PRORATE)	L10	0.75
2008	8	26	8/26/2008	UNIDENTIFIED WHALE	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	SAN MATEO	CA	SI (PRORATE)	LIVE ANIMAL TOWING TEN FEET OF POT/TRAP GEAR; NO RESIGHTINGS REPORTED; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN	SI (PRORATE)	L10	0.75
2008	9	1	9/1/2008	UNIDENTIFIED WHALE	DUNGENESS CRAB POT FISHERY ENTANGLEMENT	VENTURA	CA	SI (PRORATE)	LIVE ANIMAL TOWING 100 FEET OF LINE WITH BUOY; GEAR TYPE CONFIRMED BY OWNER OF GEAR; NO RESIGHTINGS REPORTED; NO RESCUE EFFORT INITIATED; NON-FATAL INJURY. APPROXIMATELY 6 HOURS FOLLOWING THE FIRST REPORT OF THE ENTANGLEMENT, THE GEAR WASHED UP ON THE BEACH; IT IS ASSUMED THAT THE ANIMAL FREED ITSELF FROM THE GEAR. CANNOT CONFIRM THAT WHALE FREED ITSELF FROM ALL GEAR.	SI (PRORATE)	L10	0.75
2008	12	7	12/7/2008	UNIDENTIFIED WHALE	VESSEL STRIKE	LOS ANGELES	CA	SI	CATALINA EXPRESS (TRANSPORT VESSEL, 97 FEET LONG, TRAVELING AT 25 KNOTS) COLLIDED WITH FREE-SWIMMING WHALE; NO BLOOD OBSERVED IN WATER; ANIMAL APPEARED TO SWIM AWAY IN NORMAL FASHION; FINAL STATUS UNKNOWN	SI	L6A	1
2009	3	19	3/19/2009	UNIDENTIFIED WHALE	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
2009	7	12	7/12/2009	UNIDENTIFIED WHALE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	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
2010	3	24	3/24/2010	UNIDENTIFIED WHALE	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

Appendix 4. Human-related injury and mortality records, 2007 to 2011. Records are sorted by common name and date.

Year	Month	Day	Date	Species	Interaction Type	County/Locale	STATE	Initial Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	Comments	Final Injury Assessment: NSI, SI, SI (PRORATE), DEAD, CAPTIVITY.	SI Criteria Supporting Assessment	SI Proration Value
2010	3	29	3/29/2010	UNIDENTIFIED WHALE	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
2010	4	8	4/8/2010	UNIDENTIFIED WHALE	UNIDENTIFIED FISHERY INTERACTION	MARIN	CA	SI (PRORATE)	ROPE WRAPPED AROUND CAUDAL PEDUNCLE; UNIDENTIFIED FISHERY	SI (PRORATE)	L10	0.75
2010	5	2	5/2/2010	UNIDENTIFIED WHALE	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
2010	7	7	7/7/2010	UNIDENTIFIED WHALE	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
2010	10	13	10/13/2010	UNIDENTIFIED WHALE	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
2011	7	16	7/16/2011	UNIDENTIFIED WHALE	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI	FREE-SWIMMING ENTANGLED WHALE IN UNKNOWN GEAR	SI	L10	0.75
2011	8	20	8/20/2011	UNIDENTIFIED WHALE	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	SNOHOMISH	WA	SI (PRORATE)	WHALE TRAILING A RED AND WHITE BOUY OFF THE RIGHT SIDE. DID NOT SEE ANY LINES WRAPPED AROUND THE BODY.	SI (PRORATE)	L10	0.75
2011	9	5	9/5/2011	UNIDENTIFIED WHALE	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

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M.S. LOWRY, J. BARLOW, J. BAKER, B. HANSON, D. LYNCH,
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- 506 Probability of taking a western North Pacific gray whale during the
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J. E. MOORE, and D. W. WELLER
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- 507 Report of the National Marine Fisheries Service gray whale stock
identification workshop.
D. W. WELLER, S. BETTRIDGE, R. L. BROWNELL JR., J. L. LAAKE, J. E.
MOORE, P. E. ROSEL, B. L. TAYLOR, and P. R. WADE
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- 508 Inferring trackline detection probabilities from differences in apparent
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J. BARLOW
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RANKIN, S., BARLOW, J. BARKLEY, Y. and VALTIERRA, R.
(May 2013)
- 512 The Sacramento Index (*SI*).
O'FARRELL, M. R., M. S. MOHR, M. L. PALMER-ZWAHLEN, and A. M.
GROVER
(June 2013)
- 513 Sample size recommendations for estimating stock composition using
genetic stock identification (GSI).
ALLEN, S. D., W. H. SATTERTHWAITTE, and M. S. MOHR
(June 2013)