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SOURCES OF HUMAN-RELATED INJURY AND MORTALITY FOR U.S. PACIFIC WEST COAST MARINE MAMMAL STOCK ASSESSMENTS: 2008-2012

James V. Carretta¹, Sarah M. Wilkin², Marcia M. Muto³, Kristin Wilkinson⁴, and Jeremy Rusin¹

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U.S. DEPARTMENT OF COMMERCE

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Summary

The Marine Mammal Protection Act (MMPA) requires the National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS), to document human-caused mortality, non-serious injury (NSI), and serious injury (SI) of marine mammals as part of assessing marine mammal stocks and to evaluate human-caused injury and mortality levels in the context of potential biological removal (PBR) levels calculated under the MMPA (Wade 1998). NMFS defines SI as "any injury that will likely result in mortality." While documenting mortality is straightforward, distinguishing NSI from SI requires reliable data on injury severity and animal condition, often in challenging environments where thorough examination of injuries is not possible. NMFS updated its SI designation and reporting process, 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 (NMFS 2012a, 2012b; NOAA 2012; Moore et al. 2013).

This report contains updated records of human-caused injury and mortality to pinnipeds and cetaceans from 2008 to 2012, for marine mammal populations that occur in U.S. west coast waters <u>and</u> which are evaluated in Pacific region marine mammal stock assessment reports (SARs) (Carretta et al. 2013a, 2013b). Mortality records, while included in this report, were not evaluated for SI/NSI status. Subsistence and directed takes (i.e., gray whales taken by Russian natives) are not reported here but are reported in SARs published by NMFS. Previous records, including cases from 2007 reported in Carretta et al. (2013a), are archived online together with 2008-2012 records from the current report. These are available at swfsc.noaa.gov/Bycatch.aspx.

Sources of injury data include strandings, disentanglement networks, and fishery observer programs. Stranding network data includes records of injured marine mammals at sea and ashore reported by the public, as well as researchers. Injury sources include, but are not limited to, vessel strikes, gillnet entanglement, pot and trap gear entanglement, shootings, marine debris entanglement, research-related injuries/deaths, hook and line fishery interactions, and power plant water intake entrainment. This report covers the 5-year period from 2008 to 2012, which includes injury and mortality data used in preparation of 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 are not included in this report (Allen and Angliss 2013). Injury determinations for Pacific region species/stocks in the central Pacific from Hawaii westward are also included in separate reports.

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Methods

The assessment of marine mammals for signs of human interaction, whether alive or dead, requires application of systematic forensic protocols, combined with expertise in diagnosing trauma (Moore et al. 2013). Stranding network personnel may have varying regional standards for assessing the causes of death and injury in marine mammals, 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 humanrelated 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 (Carretta and Enriquez 2009a, 2009b, 2010, 2012a, 2012b; Jannot et al. 2011; Breiwick 2013), human-caused mortality sections of SARs, and Appendix 4 of this report. Different criteria for injury assessment are used for three taxonomic groups: pinnipeds, large whales, and small cetaceans (NMFS 2012b and Appendices 1-3). Injury determinations include 846 records for the period from 2008 to 2012. Both initial and final injury determinations are given for each record. For example, a pinniped entangled in gillnet that is constricting or impeding movement is considered seriously injured. This animal may be captured, taken to a rehabilitation center, treated for injuries, and released back into the wild without serious injuries. In the context of categorizing commercial fisheries (based on levels of SI and mortality) for the NMFS List of Fisheries (LOF), this pinniped is considered seriously injured. This allows evaluation of fishery-specific risk to marine mammals, even though the pinniped was released back into the wild with non-serious injuries. Similar cases involve large whales entangled in fishing gear and subsequent disentanglement efforts. The whale's injuries may initially be considered serious, especially if the entanglement restricts movement. Successful disentanglement of all gear from a whale without lingering evidence of an entanglement-related health decline or SI may be designated as a NSI. For purposes of the LOF, initial injury assessments are used in evaluating individual fisheries. In the context of assessing SI and mortality against PBR levels, the *final* injury assessment or condition is used. Special cases involve injured pinnipeds transferred to public display facilities (aquaria) or U.S. Navy marine mammal programs following treatment, because their survival in the wild is questionable. In these cases, the final injury determination is termed 'captivity', as the animal is permanently removed from the wild population. This is equivalent to a SI for the purposes of evaluating injuries against PBR.

Most records contain a single anthropogenic source as the cause of injury or death, but animals may show signs of trauma from multiple sources. For example, injured pinnipeds may be entangled in gillnets and also show evidence of gunshot wounds. Where multiple causes of injury or death are reported by stranding coordinators and the primary cause of death (i.e., gunshot or gillnet entanglement) is unknown, we have reported a combined cause in tabular and descriptive summaries.

Prorating of serious injuries (large whales only)

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

laceration (superficial versus deep) is unknown and the vessel's size and speed are unknown. For these cases, SI is prorated by 0.52 to reflect the known outcomes of the 25 cases with vesselstrike lacerations. For cases where sufficient detail is available on the severity of the vesselstrike laceration, other SI codes are applied. If a laceration is superficial and does not extend below the blubber layer, this is considered a NSI. If the laceration extends below the blubber layer (deep), the whale is considered seriously injured (equivalent to an SI prorate value of 1.0). An example of calculating annual human-caused SI and mortality for large whales as part of the SAR process might include 10 documented vessel-strike lacerations of large whales of unknown severity, where the vessel's size and speed are unknown. Ten large whales with lacerations of unknown severity are counted as $10 \times 0.52 = 5.2$ 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 1,501 human-related injury and mortality records are summarized by anthropogenic source in Table 1 and Appendix 4. Approximately 80% of all records represent opportunistic reports of animals stranded on beaches or at-sea sightings. Only 273 records were derived from systematic observations, either fishery observer programs (n=136), monitored research-related activities (n=83), or removals of pinnipeds from the Bonneville Dam area under MMPA Section 120 (n=54). Approximately 60% of all records involved animals initially found dead (Table 2). Pinnipeds (n=1,211) were most commonly injured or killed by human-related activities, followed by large whales (n=117) and small cetaceans (n=173) (Tables 3-5). The primary cause of documented serious injury or mortality for pinnipeds was hook and line fishery interactions (Table 6). Large whale serious injury and mortality was most commonly linked to vessel strikes (Table 6). Serious injury and mortality of small cetaceans was documented most frequently in scientific research trawls (Table 6). Live animals accounted for 843 records, which were evaluated and assigned SI/NSI determinations, including 750 pinnipeds, 82 large whales, and 11 small cetaceans (Tables 7a-c).

The primary causes of pinniped injury and mortality were hook and line fishery interactions (n=297), shootings (n=212), and entrainment into power plant water intakes (n=142) (Tables 3 and 6, Appendix 4). Pinniped injury and mortality records included California sea lions (Zalophus californianus) (n=891), harbor seals (Phoca vitulina) (n=230), northern elephant seals (Mirounga angustirostris) (n=40). Guadalupe fur seals (Arctocephalus townsendi) (n=20). northern fur seals (Callorhinus ursinus) (n=17), and unidentified pinnipeds (n=13) (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=245) were successfully treated and released from rehabilitation facilities, and it is assumed that they Therefore their final injury assessments were NSI. survived following treatment. 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=81), while others were sent to public display facilities (n=17) because their existing post-treatment condition made survival in the wild unlikely or they were individuals targeted for removal to protect endangered salmon. Including the 81 euthanized pinnipeds, 290 died of their injuries and another 98 were released with serious injuries. Pinniped records lacking detail regarding whether the animal was released following rehabilitation facility care were determined to be seriously injured. Initial NSI determinations were made for 154 pinnipeds; of these, 19 (12%) 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 117 large whale injury and mortality records were reviewed (Tables 2 and 4). Of these, 35 were dead and the remaining 82 records were assessed for NSI/SI (Table 7b). Vessel strikes were the most common form of injury to gray, blue (*Balaenoptera musculus*), and

fin (Balaenoptera physalus) whales, 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=22), gray whales (n=31), unidentified whales (n=17), fin whales (n=4), minke whales (Balaenoptera acutorostrata) (n=2), sperm whales (Physeter macrocephalus) (n=1), and blue whales (n=1) (Table 2), with vessel strikes and entanglement-related injuries as the most common causes of SI and mortality (Table 6). Of 82 large whales evaluated for NSI/SI, 65 cases were fishery-related entanglements, 15 cases involved vessel strikes, and 2 cases involved entanglement in marine debris. Only a small fraction of the large whale injury cases (n=17) involved human intervention to remove gear. This reflects that many entangled whales are seen only once or that weather conditions prevent safe disentanglement attempts. Four large whale records that were initially designated as SI resulted in a final injury status of NSI, as a result of successful disentanglement efforts or the animal becoming free of gear over time. Thirty-seven other large whale records with initial SI designations retained final injury designations of SI and three whales were later found dead (Table 7b). One gray whale initially seen in July 2009 with constricting gillnet and rope cutting into its caudal peduncle was assigned an SI status and was resignted in 2010 and 2011, still entangled. This whale was resighted in 2013, free of gear and in apparent good health, thus the final injury determination for this case was non-serious.

Small cetaceans were rarely assessed for SI (n=11) because most were initially reported as dead (n=162). Mortality in gillnets and unidentified net fisheries accounted for approximately half of the small cetacean records (n=82), with about half of all entanglement records derived from fishery observer programs (n=38). Research-related entanglements in scientific trawls or nets accounted for 46 small cetacean records. Small cetaceans assessed for injury severity included Pacific white-sided dolphins (Lagenorhynchus obliquidens) (n=6), bottlenose dolphins (Tursiops truncatus) (n=2), harbor porpoise (Phocoena phocoena) (n=2) and long-beaked common dolphin (Delphinus capensis) (n=1). (Table 2). Entanglement-related injuries were responsible for all small cetacean injuries, with research-related activities accounting for all the Pacific white-sided dolphin injuries. Human intervention resulted in one Pacific white-sided dolphin being freed from survey equipment without serious injuries, and one harbor porpoise was released from a research net without serious injuries. Of the 11 small cetacean records assessed for injuries, 2 animals died, 2 were considered non-serious injuries, and the remaining 7 records were determined to be serious injuries (Table 7c). Four deaths of long-beaked common dolphins were documented in 2011, as a result of exposure to underwater detonation exercises (Danil and St. Leger 2011).

Discussion

Most records of human-related marine mammal injuries and deaths represent opportunistic reports obtained through stranding networks and at-sea sightings. Stranding network data should be considered as a minimum measure of human-related injury and mortality because not all carcasses come ashore or are detected. Where evaluated, estimates of detection rates of cetacean carcasses are consistently quite low across different regions and species (<1% to 17%), highlighting that observed numbers are not representative of true impacts (Kraus et al. 2005, Perrin et al. 2011, Williams et al. 2011, Prado et al. 2013). Not all human-related impacts are considered here, such as military sonars and other anthropogenic sounds that may impact beaked whales and whose effects would be difficult to recognize unless affected animals stranded (Cox et al. 2006).

Variability in the assessment and determination of human-related injuries and mortality by responder or region is an unavoidable situation because data-recording standards may differ and the ability to thoroughly examine animals may be compromised by weather or accessibility to carcasses (Moore et al. 2013). We have made an effort to 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 injuries and deaths.

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

A small percentage of pinnipeds (12%) died after an initial injury assessment of NSI. Nearly all of these animals died during treatment in rehabilitation facilities, with hook-related injuries that appeared superficial (hooks in flippers and/or lip). Post-mortem examinations often revealed causes of death that were unrelated to the visible injury. For example, a California sea lion with a hook in its back was found during necropsy to have sharp fragments of plastic in its stomach. Other cases involved embedded bullets found post-mortem or hooks in the esophagus/stomach, which were not suspected during initial examination of the animal.

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References

- Allen, B. M., and R. P. Angliss. 2013. Alaska marine mammal stock assessments, 2012. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-245, 282 p.
- Andersen, M. S., K. A. Forney, T. V. N. Cole, T. Eagle, R. Angliss, K. Long, L. Barre, L. Van Atta, D. Borggaard, T. Rowles, B. Norberg, J. Whaley, and L. Engleby. 2008. Differentiating serious and non-serious injury of marine mammals: report of the serious injury technical workshop, 10-13 September 2007, Seattle, Washington. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-OPR-39, 94 p.
- Angliss, R. P., and D. P. DeMaster. 1998. Differentiating serious and non-serious injury of marine mammals taken incidental to commercial fishing operations. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-OPR-13, 48 p.
- Breiwick, J. M. 2013. North Pacific marine mammal bycatch estimation methodology and results, 2007-2011. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-AFSC-260, 40 p.
- Carretta, J. V., and L. Enriquez. 2009a. Marine mammal bycatch in the California/Oregon swordfish and thresher shark drift gillnet fishery in 2008. Southwest Fisheries Science Center, NOAA Fisheries Administrative Report LJ-09-03, 10 p.
- Carretta, J. V., and L. Enriquez. 2009b. Marine mammal and seabird bycatch observed in California commercial fisheries in 2007. Southwest Fisheries Science Center, NOAA Fisheries Administrative Report LJ-09-01, 12 p.
- Carretta, J. V., and L. Enriquez. 2010. Marine mammal and sea turtle bycatch in the California/Oregon swordfish and thresher shark drift gillnet fishery in 2009. Southwest Fisheries Science Center, NOAA Fisheries Administrative Report LJ-10-03, 11 p.
- Carretta, J. V., and L. Enriquez. 2012a. Marine mammal and seabird bycatch in California gillnet fisheries in 2010. Southwest Fisheries Science Center, NOAA Fisheries Administrative Report LJ-12-01, 14 p.

- Carretta, J. V., and L. Enriquez. 2012b. Marine mammal and seabird bycatch in California gillnet fisheries in 2011. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SWFSC-500, 14 p.
- Carretta, J. V., S. M. Wilkin, M. M. Muto, and K. Wilkinson. 2013a. Sources of human-related injury and mortality for U.S. Pacific west coast marine mammal stock assessments, 2007-2011. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SWFSC-514, 83 p.
- Carretta, J. V., E. Oleson, D. W. Weller, A. R. Lang, K. A. Forney, J. Baker, B. Hanson, K. Martien, M. M. Muto, M. S. Lowry, J. Barlow, D. Lynch, L. Carswell, R. L. Brownell Jr., D. K. Mattila, and M. C. Hill. 2013b. U.S. Pacific marine mammal stock assessments: 2012. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SWFSC-504, 378 p.
- Cox, T. M., T. J. Ragen, A. J. Read, E. Vos, R. W. Baird, K. Balcomb, J. Barlow, J. Caldwell, T. Cranford, L. Crum, A. D'Amico, G. D'Spain, A. Fernández, J. Finneran, R. Gentry, W. Gerth, F. Gulland, J. Hildebrand, D. Houser, T. Hullar, P. D. Jepson, D. Ketten, C. D. MacLeod, P. Miller, S. Moore, D. C. Mountain, D. Palka, P. Ponganis, S. Rommel, T. Rowles, B. Taylor, P. Tyack, D. Wartzok, R. Gisiner, J. Mead, and L. Benner. 2006. Understanding the impacts of anthropogenic sound on beaked whales. Journal of Cetacean Research and Management 7: 177–187.
- Danil, K., and J. A. St. Leger. 2011. Seabird and dolphin mortality associated with underwater detonation exercises. Marine Technology Society Journal 45: 89-95.
- Jannot, J., E. Heery, M. A. Bellman, and J. Majewski. 2011. Estimated bycatch of marine mammals, seabirds, and sea turtles in the US west coast commercial groundfish fishery, 2002-2009. West Coast Groundfish Observer Program. Unpublished Report. 104 pp. http://www.nwfsc.noaa.gov/research/divisions/fram/observer/pdf/mmsbt_report02-09.pdf
- Kraus, S. D., M. W. Brown, H. Caswell, C. W. Clark, M. Fujiwara, P. K. Hamilton, R. D. Kenney, A. R. Knowlton, S. Landry, C. A. Mayo, W. A. McLellan, M. J. Moore, D. P. Nowacek, D. A. Pabst, A. J. Read, and R. M. Rolland. 2005. North Atlantic right whales in crisis. Science 309: 561-562.
- Moore, M. J., J. van der Hoop, S. G. Barco, A. M. Costidis, F. M. Gulland, P. D. Jepson, K. T. Moore, S. Raverty, and W. A. McLellan. 2013. Criteria and case definitions for serious injury and death of pinnipeds and cetaceans caused by anthropogenic trauma. Diseases of Aquatic Organisms 103(3): 229-264.
- National Marine Fisheries Service. 2012a. National Marine Fisheries Service Policy Directive 02-238. Process for distinguishing serious from non-serious injury of marine mammals. 4 p. http://www.nmfs.noaa.gov/op/pds/documents/02/02-238.pdf
- National Marine Fisheries Service. 2012b. National Marine Fisheries Service Instruction 02-238-01. Process for injury determinations. 42 p. http://www.nmfs.noaa.gov/op/pds/documents/02/238/02-238-01.pdf
- NOAA. 2012. Federal Register 77:3233. National Policy for Distinguishing Serious From Non-Serious Injuries of Marine Mammals. http://www.gpo.gov/fdsys/pkg/FR-2012-01-23/pdf/2012-1261.pdf
- Perrin, W. F., J. L. Thieleking, W. A. Walker, F. A. Archer, and K. M. Robertson. 2011. Common bottlenose dolphins (*Tursiops truncatus*) in California waters: cranial differentiation of coastal and offshore ecotypes. Marine Mammal Science 27(4): 769–792.
- Prado, J. H. F., E. R. Secchi, and P. G. Kinas. 2013. Mark-recapture of the endangered franciscana dolphin (*Pontoporia blainvillei*) killed in gillnet fisheries to estimate past bycatch from time series of stranded carcasses in southern Brazil. Ecological Indicators 32: 35–41.
- Wade, P. R. 1998. Calculating limits to the allowable human-caused mortality of cetaceans and pinnipeds. Marine Mammal Science 14: 1-37.

Williams, R., S. Gero, L. Bejder, J. Calambokidis, S. D. Kraus, D. Lusseau, A. J. Read, and J. Robbins. 2011. Underestimating the damage: interpreting cetacean carcass recoveries in the context of the Deepwater Horizon/BP incident. Conservation Letters 4: 228-233.

Table 1. Number and percentages of documented cases of human-related injury or mortality by source, 2008-2012.

SOURCE OF HUMAN-CAUSED SERIOUS INJURY OR MORTALITY	NUMBER	PERCENT OF TOTAL
HOOK & LINE FISHERY	300	20
SHOOTING	212	14
POWER PLANT ENTRAINMENT	142	9.5
GILLNET FISHERY	139	9.3
MARINE DEBRIS ENTANGLEMENT VESSEL STRIKE	90 77	<u>6</u> 5.1
CA SWORDFISH DRIFT GILLNET FISHERY	76	5.1
SCIENTIFIC RESEARCH TRAWL	65	4.3
UNIDENTIFIED FISHERY INTERACTION	54	3.6
CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	53	3.5
AUTHORIZED REMOVAL	51	3.4
UNIDENTIFIED NET FISHERY ENTANGLEMENT	29	1.9
UNIDENTIFIED NET FISHERY	21	1.4
NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	16	1.1
MARINE DEBRIS INGESTION	14	0.93
CRAB POT FISHERY ENTANGLEMENT	13	0.87
GILLNET FISHERY, TRIBAL	12	0.8
HARASSMENT PEGEA DOLL ENTANGLEMENT	10	0.67
RESEARCH ENTANGLEMENT	9	0.6 0.6
UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT HUMAN-INDUCED ABANDONMENT	<u>9</u> 8	0.53
DOG ATTACK	7	0.47
UNKNOWN FISHERY INTERACTION	7	0.47
GILLNET FISHERY/MARINE DEBRIS ENTANGLEMENT	5	0.33
STAB WOUNDS	5	0.33
BLUNT FORCE TRAUMA	4	0.27
CAR COLLISION	4	0.27
DUNGENESS CRAB POT FISHERY ENTANGLEMENT	4	0.27
RESEARCH SCIENTIFIC LONGLINE	4	0.27
UNDERWATER DETONATION EXERCISES	4	0.27
LOBSTER TRAP ENTANGLEMENT	3	0.2
TRAWL FISHERY (UNKNOWN)	3	0.2
UNAUTHORIZED REMOVAL	3	0.2
BAIT BARGE NET ENTANGLEMENT COD POT FISHERY ENTANGLEMENT	2	0.13 0.13
GAFF INJURY	2	0.13
HOOK & LINE FISHERY/MARINE DEBRIS INGESTION	2	0.13
NON-FISHERY ENTANGLEMENT	2	0.13
NORTHERN WASHINGTON MARINE DRIFT GILLNET FISHERY, TRIBAL	2	0.13
ROPE	2	0.13
SALMON GILLNET FISHERY	2	0.13
SHOOTING/HOOK & LINE FISHERY	2	0.13
TAR	2	0.13
WEST COAST GROUNDFISH NEARSHORE FIXED GEAR FISHERY	2	0.13
WEST COAST GROUNDFISH TRAWL (PACIFIC HAKE AT-SEA PROCESSING COMPONENT) FISHERY	2	0.13
BLUNT FORCE TRAUMA: CLUBBING CA/OR/WA SABLEFISH POT FISHERY	<u> </u>	0.067
CRAB POT FISHERY	<u></u> 1	0.067 0.067
FIXED GEAR SABLEFISH FISHERY OBSERVER REPORT	1	0.067
HARPOON	1	0.067
KNIFE WOUNDS	<u>.</u> 1	0.067
MARINE DEBRIS	1	0.067
NORTHERN WASHINGTON OCEAN TROLL FISHERY, TRIBAL	1	0.067
OIL SPILL	1	0.067
PACIFIC WHITING TRAWL FISHERY	1	0.067
PUBLIC RESCUE	1	0.067
RESEARCH	1	0.067
RESEARCH ENTRAPMENT SALMON/STURGEON SCIENTIFIC TRAP	1	0.067
RESEARCH LONGLINE HOOKING	1 1	0.067
RESEARCH: SEA BOTTOM SURVEY EQUIPMENT	<u> </u>	0.067 0.067
SALMON RESEARCH TRAWL SEAL BOMB	1 1	0.067
SHOOTING / GILLNET FISHERY	1 1	0.067
SHOOTING/SPEARING	<u>'</u> 1	0.067
SPRAY PAINTING	1	0.067
UNIDENTIFIED FISHERY INTERACTION / MARINE DEBRIS ENTANGLEMENT	1	0.067
UNIDENTIFIED NET FISHERY ENTANGLEMENT/VESSEL STRIKE	1	0.067
UNIDENTIFIED NET FISHERY/SHOOTING	1	0.067
VEHICLE COLLISION	1	0.067
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Table 2. Total number of human-related marine mammal injury and mortality records (n=1,501) by species and assessment category from 2008 to 2012. NSI=non-serious injury, SI=serious injury. Records represent final injury determinations.

	CAPTIVITY	DEAD	NSI	SI	SI (PRORATE)
BLUE WHALE	0	4	0	0	1
BOTTLENOSE DOLPHIN	0	4	0	2	0
BRYDE'S WHALE	0	1	0	0	0
CALIFORNIA SEA LION	17	533	277	64	0
FIN WHALE	0	9	0	3	1
GRAY WHALE	0	14	5	14	12
GUADALUPE FUR SEAL	0	12	5	3	0
HARBOR PORPOISE	0	40	1	0	0
HARBOR SEAL	0	170	46	14	0
HUMPBACK WHALE	0	6	1	7	14
LONG-BEAKED COMMON DOLPHIN	0	42	0	0	0
MINKE WHALE	0	0	1	0	1
NORTHERN ELEPHANT SEAL	0	19	13	8	0
NORTHERN FUR SEAL	0	13	4	0	0
NORTHERN RIGHT WHALE DOLPHIN	0	10	0	0	0
PACIFIC WHITE-SIDED DOLPHIN	0	39	1	5	0
RISSO'S DOLPHIN	0	3	0	0	0
SHORT-BEAKED COMMON DOLPHIN	0	20	0	0	0
SPERM WHALE	0	5	0	1	0
STRIPED DOLPHIN	0	1	0	0	0
UNIDENTIFIED COMMON DOLPHIN	0	4	0	0	0
UNIDENTIFIED PINNIPED	0	4	0	9	0
UNIDENTIFIED PORPOISE	0	1	0	0	0
UNIDENTIFIED WHALE	0	0	0	11	6

SOURCE OF HUMAN-CAUSED SERIOUS INJURY OR MORTALITY	NUMBER	CUMULATIVE PERCENT OF TOTAL
HOOK & LINE FISHERY	297	25
SHOOTING	212	42
POWER PLANT ENTRAINMENT	142	54
GILLNET FISHERY	107	63
MARINE DEBRIS ENTANGLEMENT	82	69
CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	52	74
AUTHORIZED REMOVAL	51	78
CA SWORDFISH DRIFT GILLNET FISHERY	36	81
VESSEL STRIKE	35	84
SCIENTIFIC RESEARCH TRAWL	22	86
UNIDENTIFIED NET FISHERY ENTANGLEMENT	17	87
NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	14	88
UNIDENTIFIED FISHERY INTERACTION	13	89
GILLNET FISHERY, TRIBAL	11	90
MARINE DEBRIS INGESTION	11	91
HARASSMENT	10	92
UNIDENTIFIED NET FISHERY	10	93
HUMAN-INDUCED ABANDONMENT	8	93
DOG ATTACK	7	94
RESEARCH ENTANGLEMENT	7	94
GILLNET FISHERY/MARINE DEBRIS ENTANGLEMENT	5	95
STAB WOUNDS	5	95
BLUNT FORCE TRAUMA	4	96
CAR COLLISION	4	96
RESEARCH SCIENTIFIC LONGLINE	4	96
TRAWL FISHERY (UNKNOWN)	3	97
UNAUTHORIZED REMOVAL	3	97
BAIT BARGE NET ENTANGLEMENT	2	97
GAFF INJURY	2	97
HOOK & LINE FISHERY/MARINE DEBRIS INGESTION	2	97
ROPE	2	97
SHOOTING/HOOK & LINE FISHERY	2	98
TAR	2	98
WEST COAST GROUNDFISH NEARSHORE FIXED GEAR FISHERY	2	98
WEST COAST GROUNDFISH TRAWL (PACIFIC HAKE AT-SEA PROCESSING COMPONENT) FISHERY	2	98
BLUNT FORCE TRAUMA: CLUBBING	1	98
CA/OR/WA SABLEFISH POT FISHERY	1	98
CRAB POT FISHERY	1	98
LOBSTER TRAP ENTANGLEMENT	1	98
MARINE DEBRIS	1	99
NON-FISHERY ENTANGLEMENT	1	99
NORTHERN WASHINGTON MARINE DRIFT GILLNET FISHERY, TRIBAL	1	99
NORTHERN WASHINGTON OCEAN TROLL FISHERY, TRIBAL	1	99
OIL SPILL	1	99
PACIFIC WHITING TRAWL FISHERY	1	99
PUBLIC RESCUE	1	99
RESEARCH	1	99
RESEARCH ENTRAPMENT SALMON/STURGEON SCIENTIFIC TRAP	1	99
RESEARCH LONGLINE HOOKING	1	99
SALMON GILLNET FISHERY	1	99
SALMON RESEARCH TRAWL	1	99
SEAL BOMB	1	100
SHOOTING / GILLNET FISHERY	1	100
SHOOTING/SPEARING	1	100
SPRAY PAINTING	. 1	100
UNIDENTIFIED FISHERY INTERACTION / MARINE DEBRIS ENTANGLEMENT	<u>·</u>	100
UNIDENTIFIED NET FISHERY/SHOOTING	<u> </u>	100
VEHICLE COLLISION	 1	100
	•	***

Table 4. Sources of human-caused injury and mortality for large whales from 2008 to 2012.

SOURCE OF HUMAN-CAUSED SERIOUS INJURY OR MORTALITY	NUMBER	CUMULATIVE PERCENT OF TOTAL
VESSEL STRIKE	39	33
UNIDENTIFIED FISHERY INTERACTION	21	51
CRAB POT FISHERY ENTANGLEMENT	12	62
GILLNET FISHERY	9	69
UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	9	77
UNIDENTIFIED NET FISHERY ENTANGLEMENT	5	81
CA SWORDFISH DRIFT GILLNET FISHERY	4	85
DUNGENESS CRAB POT FISHERY ENTANGLEMENT	4	88
MARINE DEBRIS ENTANGLEMENT	3	91
UNKNOWN FISHERY INTERACTION	3	93
COD POT FISHERY ENTANGLEMENT	2	95
MARINE DEBRIS INGESTION	2	97
GILLNET FISHERY, TRIBAL	1	97
HARPOON	1	98
LOBSTER TRAP ENTANGLEMENT	1	99
UNIDENTIFIED NET FISHERY ENTANGLEMENT/VESSEL STRIKE	1	100

Table 5. Sources of human-caused injury and mortality for small cetaceans from 2008 to 2012.

SOURCE OF HUMAN-CAUSED INJURY/MORTALITY	NUMBER OF RECORDS	CUMULATIVE PERCENT OF TOTAL
SCIENTIFIC RESEARCH TRAWL	43	25
CA SWORDFISH DRIFT GILLNET FISHERY	36	46
GILLNET FISHERY	23	59
UNIDENTIFIED FISHERY INTERACTION	20	71
UNIDENTIFIED NET FISHERY	11	77
UNIDENTIFIED NET FISHERY ENTANGLEMENT	7	81
MARINE DEBRIS ENTANGLEMENT	5	84
UNDERWATER DETONATION EXERCISES	4	86
UNKNOWN FISHERY INTERACTION	4	88
HOOK & LINE FISHERY	3	90
VESSEL STRIKE	3	92
NORTHERN WASHINGTON MARINE SET GILLNET FISHERY, TRIBAL	2	93
RESEARCH ENTANGLEMENT	2	94
CA HALIBUT AND WHITE SEABASS SET GILLNET FISHERY	1	95
CRAB POT FISHERY ENTANGLEMENT	1	95
FIXED GEAR SABLEFISH FISHERY OBSERVER REPORT	1	96
KNIFE WOUNDS	1	97
LOBSTER TRAP ENTANGLEMENT	1	97
MARINE DEBRIS INGESTION	1	98
NON-FISHERY ENTANGLEMENT	1	98
NORTHERN WASHINGTON MARINE DRIFT GILLNET FISHERY, TRIBAL	1	99
RESEARCH: SEA BOTTOM SURVEY EQUIPMENT	1	99
SALMON GILLNET FISHERY	1	100

Table 6. Primary cause of injury or mortality by species/group from 2008 to 2012.

SPECIES	SOURCE OF INJURY/MORTALITY	NUMBER OF RECORDS
ALL PINNIPEDS	HOOK & LINE FISHERY	297
ALL SMALL CETACEANS	SCIENTIFIC RESEARCH TRAWL	43
ALL LARGE WHALES	VESSEL STRIKE	39
BLUE WHALE	VESSEL STRIKE	5
BOTTLENOSE DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	1
BRYDE'S WHALE	VESSEL STRIKE	1
CALIFORNIA SEA LION	HOOK & LINE FISHERY	263
FIN WHALE	VESSEL STRIKE	10
GRAY WHALE	VESSEL STRIKE	13
GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	9
HARBOR PORPOISE	UNIDENTIFIED FISHERY INTERACTION	12
HARBOR SEAL	POWER PLANT ENTRAINMENT	62
HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	9
LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	13
MINKE WHALE	CA SWORDFISH DRIFT GILLNET FISHERY	1
NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	13
NORTHERN FUR SEAL	MARINE DEBRIS ENTANGLEMENT	4
NORTHERN RIGHT WHALE DOLPHIN	SCIENTIFIC RESEARCH TRAWL	6
PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	37
RISSO'S DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	2
SHORT-BEAKED COMMON DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	19
SPERM WHALE	CA SWORDFISH DRIFT GILLNET FISHERY	2
STRIPED DOLPHIN	UNIDENTIFIED FISHERY INTERACTION	1
UNIDENTIFIED COMMON DOLPHIN	JNIDENTIFIED NET FISHERY ENTANGLEMENT	2
UNIDENTIFIED PINNIPED	MARINE DEBRIS ENTANGLEMENT	3
UNIDENTIFIED PORPOISE	CRAB POT FISHERY ENTANGLEMENT	1
UNIDENTIFIED WHALE	UNIDENTIFIED FISHERY INTERACTION	7

Table 7a. Matrix of initial and final injury determinations for all pinniped records (n=1,211). NSI=non-serious injury, SI=serious injury. Records with initial determinations of 'ALIVE' include individual California sea lions targeted for removal to protect endangered salmon under authority of the MMPA under Section 120.

Pinnipeds

Final Injury Determination / Status

Initial Determination	CAPTIVITY	DEAD	NSI	SI
ALIVE	11	39	0	0
DEAD	0	461	0	0
NSI	1	19	133	1
SI	5	232	212	97

Table 7b. Matrix of initial and final injury determinations for all large whale records (n=117). NSI=non-serious injury, SI=serious injury.

Large Whales

Final Injury Determination / Status

Initial Determination	DEAD	NSI	SI	SI (PRORATE)
DEAD	35	0	0	0
NSI	0	3	0	0
SI	3	4	34	3
SI (PRORATE)	1	0	2	32

Table 7c. Matrix of initial and final injury determinations for all small cetacean records (n=173). NSI=non-serious injury, SI=serious injury.

Small Cetaceans

Final Injury Determination / Status

Initial Determination	DEAD	NSI	SI
DEAD	162	0	0
NSI	0	2	0
SI	2	0	7

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	
Р3	Visible blood loss	Case specific ⁵	Amount of blood, location of the bleeding injury, duration of bleeding
P4	Animal brought on vessel deck following entanglement/entrapment (excluding scientific research targeting marine mammals and authorized as such under a NMFS scientific research permit, where the animal is brought on and placed on the vessel deck in a controlled manner)	Case specific	Manner in which animal is brought on deck, length of time animal is on deck, environmental conditions (e.g., temperature)
P5a	Hook(s) in mouth (excluding criterion P5b), regardless of the presence of gear	SI	
P5b	Hook(s) confirmed in head (excluding criterion P5a), or in lip only (external tissue outside of teeth), no trailing gear	Case specific	Location on head (e.g., eye), depth of penetration, type of hook, prolonged restraint or struggle that could lead to capture myopathy, size of hook, impairing ability to feed
P5c	Hook(s) in any body part, but hook(s) is removed or pulls out	Case specific	Prolonged restraint or struggle that could lead to capture myopathy, location of hooking on the body, depth of hook, hook pulls out cleanly vs. causes further injury during dehooking, method used to remove hook, length of time hooked

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

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

³ SI = serious injury.

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

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

Appendix 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 oto: 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 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 injurycausing interaction (e.g., listlessness)
- Reproductive status (e.g., pregnant, lactating, has dependent 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

TABLE 1: Summary of Large Cetacean Injury Categories and Criteria

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

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

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

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

³ SI = Serious Injury.

⁴ NSI = Non-Serious Injury.

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

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

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

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

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 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
- 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 injurycausing interaction (e.g., dorsal arching, listlessness)
- Reproductive status (e.g., pregnant, lactating, has dependent calf)
- Natural history (e.g., indigenous, migratory)
- Location of injury (e.g., mouth, head, body, fin, tail, internal)

- Size of injury
- Duration of injury (e.g., single event, repeated, chronic)
- Depth of injury (e.g., superficial or to the bone, penetrating muscle or organs)
- Cleanliness of injury (e.g., compression, tearing)
- Environmental condition (e.g., individuals out of their normal habitat, climate stressors)
- Social stressors (e.g., social structure of species, separation of social individuals from the group, cow/calf separation)
- Cumulative effects of repeated exposures

- Compounding effects of multiple injuries obtained during a single event
- Availability of data on multiple sequential events involving the same individual over time
- Susceptibility of the species to capture myopathy (spinner dolphins and porpoises notoriously sensitive; bottlenose dolphins robust; many others fall in between, with some unknown)
- Ability of rehabilitated animal to be released
- Relative effect of blood loss on different species

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

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

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

								Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year 1	Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
									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			
2009	10	12	10/12/2009	BLUE WHALE	VESSEL STRIKE	MONTEREY	CA	DEAD	LABORATORIES, THE MARINE MAMMAL CENTER & OTHERS	DEAD	NA	NA
									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			
2009	10	19	10/19/2009	BLUE WHALE	VESSEL STRIKE	MENDOCINO	CA	DEAD	VERTEBRAE; CARCASS EXAMINED BY HSU-VM PERSONNEL	DEAD	NA	NA
									DEDON'T FROM CARTAIN OF STRUCKS A MILLS			
									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			
2010	8	4	8/4/2010	BLUE WHALE	VESSEL STRIKE	MONTEREY	CA	SI (PRORATE)	OF 65 FT. AND SPEED UNKNOWN.	SI (PRORATE)	L7A	0.56
2010	0	4	8/4/2010	BLUE WHALE	VESSEL STRIKE	WIONTERET	CA	31 (FRORATE)	MULTIPLE FRAGMENTS OF VERTEBRAE AND RIBS IN	31 (PRORATE)	L/A	0.30
2010	8	25	8/25/2010	BLUE WHALE	VESSEL STRIKE	SANTA BARBARA	CA	DEAD	ABDOMINAL CAVITY	DEAD	NA	NA
			0, -0, -0-0						BROKEN BONES AND HEMORRHAGE CONSISTENT WITH			
2010	10	2	10/2/2010	BLUE WHALE	VESSEL STRIKE	SAN MATEO	CA	DEAD	VESSEL STRIKE	DEAD	NA	NA
									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 LIFEGUARDS. ASSIGNED AS			
									SERIOUS INJURY DUE TO IT BEING A SOCIAL ANIMAL			
									SEPARATED FROM ITS GROUP AND NATURE OF			
					LOBSTER TRAP				ENTANGLEMENT (ANIMAL IMMOBILIZED FOR UNKNOWN			
2008	2	17	2/17/2008	BOTTLENOSE DOLPHIN	ENTANGLEMENT	SAN DIEGO	CA	SI	TIME PERIOD).	SI	S14, S7B	NA
					FIVED CEAR				ODCEDVED DEDOOTED DUOVLINE WOADDED ADQUIND			
					FIXED GEAR				OBSERVER REPORTED BUOY LINE WRAPPED AROUND			
					SABLEFISH FISHERY				ANIMAL'S CAUDAL PEDUNCLE AND FLUKES. ANIMAL FREED AND SWAM AWAY BUT OBSERVER NOTED THAT LINE			
2009	11	10	11/10/2009	BOTTLENOSE DOLPHIN		OFFSHORE	WA	SI	RESULTED IN SEVERAL WOUNDS TO ANIMAL.	SI	S7B, S14	NA
2003	11	10	11/10/2009	BOTTLENOSE DOLPHIN	CA SWORDFISH	OFFSHORE	VVA	31	RESOLIED IN SEVERAL WOONDS TO ANIIVIAL.	31	376, 314	INA
					DRIFT GILLNET							
2010	11	13	11/13/2010	BOTTLENOSE DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
									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			
					MARINE DEBRIS				LINE/ROPE. IDENTIFIED AS COASTAL STOCK ANIMAL VIA			
2010	12	19	12/19/2010	BOTTLENOSE DOLPHIN	ENTANGLEMENT	SAN DIEGO	CA	DEAD	GENETICS.	DEAD	NA	NA
									DOLPHIN WAS FOUND FLOATING UNDER U.S. NAVY			
									MARINE MAMMAL PROGRAM'S DOLPHIN PEN DOCK,			
									OUTSIDE OF THEIR DOLPHIN ENCLOSURES. IT IS THOUGHT			
									THAT THE ANIMAL MAY HAVE BECOME ENTRAPPED, EITHER			
									INITIALLY ENTANGLED OR COULD NOT FIND ITS WAY OUT			
					NON-FISHERY				OF NET CURTAIN. IDENTIFIED AS COASTAL STOCK ANIMAL			
2012	2	22	2/22/2012	BOTTLENOSE DOLPHIN	ENTANGLEMENT	SAN DIEGO	CA	DEAD	VIA GENETICS.	DEAD	NA	NA
2042	10	4.5	10/10/1001	DOTTI EN OCE DO DE SU	RESEARCH	CAN DISCO	C :	D5.5	ANUMANI CALICUT IN CEA OTTER RESEARCH NET	DEAD		
2012	10	16	10/16/2012	BOTTLENOSE DOLPHIN	ENTANGLEMENT	SAN DIEGO	CA	DEAD	ANIMAL CAUGHT IN SEA OTTER RESEARCH NET	DEAD	NA	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	n Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								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			
2010 11	25	11/25/2010	BRYDE'S WHALE	VESSEL STRIKE	MASON	WA	SI	ONE OR MORE VESSEL STRIKES.	DEAD	L11	NA
								LIVE STRANDING; GUNSHOT WOUND TO MID DORSUM; MORTALITY (ANIMAL DIED IN REHAB, SINGLE BULLET EXTRACTED FROM SUBCUTANEOUS TISSUE IN THORAX			
2008 1	3	1/3/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	DURING NECROPSY)	DEAD	P9	NA
				HOOK & LINE FISHERY/MARINE				LIVE STRANDING; FISH HOOK IN STOMACH; ANIMAL REGURGITATED PLASTIC BAG & FOAM SPONGE; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED &			
2008 1	16	1/16/2008	CALIFORNIA SEA LION	DEBRIS INGESTION	SAN JOAQUIN	CA	SI	RELEASED) LIVE STRANDING; GUNSHOT WOUND TO MID DORSUM;	NSI	P2	NA
2008 1	16	1/16/2008	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	MORTALITY (ANIMAL DIED IN REHAB, SINGLE BULLET EXTRACTED DORSAL TO THORACOLUMBAR VERETEBRAE DURING NECROPSY)	DEAD	Р9	NA
2000 1	10	1/10/2000	CALIFORNIA SEA EIGIV	3110011110	SAIV DIEGO	CA	31	ANIMAL ENTANGLED IN PROTECTIVE NETTING ON BAIT	DEAD	13	14/4
				BAIT BARGE NET				BARGE; NON-FATAL INJURY (ANIMAL DISENTANGLED &			
2008 1	20	1/20/2008	CALIFORNIA SEA LION	ENTANGLEMENT	LOS ANGELES	CA	NSI	RELEASED ON SITE) .	NSI	P7B	NA
				MARINE DEBRIS				LIVE STRANDING; INNER TUBE BAND CUTTING INTO SHOULDER; NON-FATAL INJURY (ANIMAL TAKEN INTO			
2008 1	28	1/28/2008	CALIFORNIA SEA LION	ENTANGLEMENT	SANTA BARBARA	CA	SI	REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	NA
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	Р7В	NA
								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			
2008 3	16	3/16/2008	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	RELEASED AFTER 30 DAYS OF REHAB)	NSI	Р9	NA
								LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2008 3	28	3/28/2008	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED) LIVE STRANDING; PACKING STRAP AROUND NECK; NON-	NSI	Р7В	NA
2000 2	20	2/20/2000	CALIFORNIA CEA LION	MARINE DEBRIS	CANTA DADDADA	C4	CI.	FATAL INJURY (ANIMAL TAKEN INTO REHAB,	NCI	070	***
2008 3	29	3/29/2008	CALIFORNIA SEA LION	ENTANGLEMENT	SANTA BARBARA	CA	SI	DISENTANGLED, TREATED & RELEASED)	NSI	P7B	NA
								LIVE STRANDING; GUNSHOT WOUND TO LOWER BACK; MORTALITY (ANIMAL TAKEN INTO REHAB & EUTHANIZED DUE TO CHRONIC DOMOIC ACID TOXICITY; RADIOGRAPHS			
2008 4	2	4/2/2008	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	REVEALED BULLET DORSAL TO SPINE)	DEAD	P9	NA
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	NA
2000 4	4	4/4/2000	CALII ONINIA JEA LION	JILLINET FISHERT	IVIOINTERET	CH.	31	LIVE STRANDING; ANIMAL WRAPPED IN FISHING LINE; NON-	ICVI	r/D	IVM
2008 4	7	4/7/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	NSI	FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	Р7В	NA
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	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Dav	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
Tear Month	Duy	Juce	Species	HOOK & LINE	edunity i zocure	511112	riscisment	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	rissessment	, oscisiinene	Turac
2008 4	12	4/12/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	& RELEASED)	NSI	P5C	NA
				RESEARCH ENTRAPMENT SALMON/STURGE ON SCIENTIFIC							
2008 4	14	4/14/2008	CALIFORNIA SEA LION	TRAP	YOLO	CA	DEAD	CARCASS RETRIEVED FROM CDFG FYKE TRAP	DEAD	NA	NA
								CARCASS; GUNSHOT WOUND TO BACK; FIELD NECROPSY REVEALED EXTENSIVE BLUBBER BRUISING (RED SHOT			
2008 4	16	4/16/2008	CALIFORNIA SEA LION	SHOOTING	SUTTER	CA	DEAD	SPOTS, POSSIBLE BIRD SHOT FROM 12 GAUGE SHOTGUN)	DEAD	NA	NA
2008 4	17	4/17/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
				SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 4	18	4/18/2008	CALIFORNIA SEA LION		OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
2008 4	20	4/20/2008	CALIFORNIA SEA LION	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
				AUTHORIZED				REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
2008 4	24	4/24/2008	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	120. ANIMAL TRANSFERRED TO SEA WORLD.	CAPTIVITY	NA	NA
2008 4	24	4/24/2008	CALIFORNIA SEA LION	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL TRANSFERRED TO SEA WORLD.	CAPTIVITY	NA	NA
2008 4	24	4/24/2008	CALIFORNIA SEA LION	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL TRANSFERRED TO SEA WORLD.	CAPTIVITY	NA	NA
2008 4	28	4/28/2008	CALIFORNIA SEA LION	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL TRANSFERRED TO SEA WORLD.	CAPTIVITY	NA	NA
2008 4	28	4/28/2008	CALIFORNIA SEA LION	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL TRANSFERRED TO SEA WORLD.	CAPTIVITY	NA	NA
				AUTHORIZED				REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
2008 4	28	4/28/2008	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	120. ANIMAL TRANSFERRED TO SEA WORLD. REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	CAPTIVITY	NA NA	NA
				AUTHORIZED				IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL DIED UNDER ANESTHESIA PRIOR TO			
2008 4	28	4/28/2008	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	TRANSFER TO CAPTIVE FACILITY. LIVE STRANDING; FISH HOOK IN LEFT SIDE OF FACE; NON-	DEAD	NA	NA
2008 4	25	4/25/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED) LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN	NSI	P5C	NA
2008 4	26	4/26/2008	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	NSI	RIGHT REAR FLIPPER; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Mont	h Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								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			
2008 4	26	4/26/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	CAUSED BY GUNSHOT)	DEAD	P12	NA
				SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 4	27	4/27/2008	CALIFORNIA SEA LION		OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
				AUTHORIZED				ANIMAL DIED ON THE TRAP USED TO REMOVE CA SEA			
2008 5	4	5/4/2008	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	DEAD	LIONS PREYING ON ENDANGERED SALMON	DEAD	NA	NA
								ANIMAL DIED ON THE TRAP USED TO REMOVE CA SEA			
								LIONS PREYING ON ENDANGERED SALMON. ANIMAL WAS			
	_	- / - /		UNAUTHORIZED				NOT AN INDIVIDUAL PREVIOUSLY IDENTIFIED AS PREYING			
2008 5	4	5/4/2008	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	DEAD	ON ENDANGERED SALMON.	DEAD	NA	NA
								ANIMAL DIED ON THE TRAP USED TO REMOVE CA SEA			
								LIONS PREYING ON ENDANGERED SALMON. ANIMAL WAS			
	_	- / - /		UNAUTHORIZED				NOT AN INDIVIDUAL PREVIOUSLY IDENTIFIED AS PREYING			
2008 5	4	5/4/2008	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	DEAD	ON ENDANGERED SALMON.	DEAD	NA	NA
								ANIMAL DIED ON THE TRAP USED TO REMOVE CA SEA			
				LINALITUODIZED				LIONS PREYING ON ENDANGERED SALMON. ANIMAL WAS			
2000 5		= / • / 2 0000		UNAUTHORIZED			2512	NOT AN INDIVIDUAL PREVIOUSLY IDENTIFIED AS PREYING	5545		
2008 5	4	5/4/2008	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	DEAD	ON ENDANGERED SALMON.	DEAD	NA	NA
								LIVE STRANDING; GILLNET-LIKE WOUND TO NECK AREA;			
2000 5		F (0 (2000						NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED			
2008 5	9	5/9/2008	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	& RELEASED)	NSI	P1	NA
				LICOK O LINE				LIVE STRANDING; FISH HOOKS IN LEFT EYE & MOUTH; NON-			
2000 5	40	F /40 /2000		HOOK & LINE				FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED &	NG	250	
2008 5	10	5/10/2008	CALIFORNIA SEA LION	FISHERY	SAN LUIS OBISPO	CA	SI	RELEASED)	NSI	P5C	NA
				HOOK & LINE				LIVE STRANDING; 6 FISH HOOKS WITH ATTACHED LINE IN			
2000 5		E /44 /2000	CALIFORNIA CEA LIONI	HOOK & LINE	LOC ANGELES	64	NCI	BODY; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB,	NCI	DEC	NA
2008 5	11	5/11/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	TREATED & RELEASED)	NSI	P5C	NA
								LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2008 5	14	5/14/2008	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	FATAL INJURY (ANIMAL TAKEN INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	NA
2006 3	14	3/14/2006	CALIFORNIA SEA LION	GILLINET FISHERT	WIGNTERET	CA	31	DISENTANGLED, TREATED & RELEASED	INSI	F/D	INA
								CARCASS; GUNSHOT WOUND TO BACK OF HEAD;			
2008 5	14	5/14/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	DEAD	RADIOGRAPHS REVEALED 3 SHOTGUN PELLETS IN SKULL	DEAD	NA	NA
2006 3	14	3/14/2006	CALIFORNIA SEA LION	SHOOTING	LO3 ANGELES	CA	DEAD	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN	DEAD	INA	INA
				HOOK & LINE				MOUTH; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB,			
2008 5	16	5/16/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	TREATED & RELEASED)	NSI	P5C	NA
2000 3	10	3/ 10/ 2008	CALII OMNIA SEA LIUN	LISHERI	LOS ANGELES	CA	JI	LIVE STRANDING; NUMEROUS FISH HOOKS IN HIP AREA &	ICVI	rJC	INA
				HOOK & LINE				OTHER PARTS OF BODY; MORTALITY (DIED IN REHAB,			
2008 5	17	5/17/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	CAUSE OF DEATH = UNKNOWN)	DEAD	P5C	NA
2000 3	1/	3/11/2000	CALII ONNIA JEA LION	HJHENI	LOS ANGLES	CA	IVJI	LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND	DLAD	FJC	INA
								NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB,			
2008 5	18	5/18/2008	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	DISENTANGLED, TREATED & RELEASED)	NSI	P7B	NA
_000 3	10	3/ 10/ 2000	CALII OMNIA JEA LION	SIEGRET HOHERT	LOS MINULLES	CA.	JI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN	1431	1 / U	14/1
				HOOK & LINE				MOUTH; MORTALITY (EUTHANIZED IN REHAB DUE TO			
2008 5	21	5/21/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	UROGENITAL CARCINOMA)	DEAD	P5A	NA
		5, 22, 2008	J. L.I. S.I. IA SEA LION	. ISHERI	2007100000		31	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-	DEAD	. 30	.46
								FATAL INJURY (ANIMAL TAKEN INTO REHAB,			
2008 5	23	5/23/2008	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	DISENTANGLED, TREATED & RELEASED)	NSI	P7B	NA
	25	5, 25, 2008	J. L.I. S.I. IA SEA LION	J.EE.T. I TOTALINI	2007100000		31	The state of the s		. 70	.46
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE			
								EMBEDDED IN ESOPHAGUS AT LEVEL OF LUNGS;			
								MORTALITY (EUTHANIZED IN REHAB DUE TO PERFORATION			
				HOOK & LINE				OF ESOPHAGUS BY FISH HOOK RESULTING IN SEVERE			
2008 5	24	5/24/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	PYOTHORAX & PROBABLE SEPTICEMIA)	DEAD	P2	NA
		-,, 50			,					· -	

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Dav	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
	,		0,000.00			•		LIVE STRANDING; FISHING LINES WRAPPED AROUND			
								MOUTH & FLIPPERS; MORTALITY (ANIMAL DIED IN REHAB,			
				HOOK & LINE				CAUSE OF DEATH = SEVERE BRONCHOINTERSTITIAL			
2008 5	28	5/28/2008	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	SI	PNEUMONIA)	DEAD	P6	NA
		0, 20, 2000						LIVE STRANDING; MORTALITY (EUTHANIZED IN REHAB DUE			
				MARINE DEBRIS				TO BLINDNESS, NECROPSY REVEALED SMALL BITS OF GREEN			
2008 5	28	5/28/2008	CALIFORNIA SEA LION	INGESTION	SANTA CRUZ	CA	SI	PLASTIC IN STOMACH)	DEAD	Р9	NA
2000 5		3/20/2000	CALL CHANCE CALL		5711171 61162	C/ (<u> </u>	The first of the f	52,15	.,	
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
								THROAT; MORTALITY (DIED IN REHAB, CAUSE OF DEATH =			
				HOOK & LINE				PERFORATED ULCER & PERITONITIS; NECROPSY REVEALED			
2008 5	30	5/30/2008	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	MULTIPLE SINGLE & TREBLE HOOKS IN STOMACH)	DEAD	P2	NA
2000 3	30	3/30/2000	CALIFORNIA SEA EIGIT	HISHERT	WONTENET	CA	31	LIVE STRANDING; MULTIPLE FISH HOOKS IN MOUTH; NON-	DEAD	12	14/4
				HOOK & LINE				FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED &			
2000 6	1	C /1 /2000	CALIFORNIA CEA LION		CANTA DADDADA	CA	CI	RELEASED)	NCI	DEC	NIA
2008 6	1	6/1/2008	CALIFORNIA SEA LION	FISHERY	SANTA BARBARA	CA	SI	LIVE STRANDING; FISHING LURE HANGING FROM MOUTH;	NSI	P5C	NA
				LICOK O LINE							
2000 6		c /2 /2000		HOOK & LINE			61	MORTALITY (DIED IN REHAB, CAUSE OF DEATH =	5545	20	
2008 6	2	6/2/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	PYOTHORAX, PNEUMONIA, MYOSITIS)	DEAD	P2	NA
				11001/ 0 11115				LIVE STRANDING; 3 FISH HOOKS IN MOUTH; NON-FATAL			
2000 -	_	c /o /====		HOOK & LINE				INJURY (ANIMAL TAKEN INTO REHAB, TREATED &	No:	n	
2008 6	3	6/3/2008	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	SI	RELEASED)	NSI	P5C	NA
								LIVE STRANDING; FISH HOOK IN MOUTH, FISH HOOK			
								WOUNDS ON RIGHT FOREFLIPPER; MORTALITY (DIED IN			
				HOOK & LINE				REHAB, CAUSE OF DEATH = CHRONIC-ACTIVE BILATERAL			
2008 6	6	6/6/2008	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	PNEUMONIA)	DEAD	P5A	NA
								LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND			
								NECK; NON-FATAL INJURY (ANIMAL CAPTURED,			
2008 6	8	6/8/2008	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	DISENTANGLED, & RELEASED ON SITE)	NSI	P7B	NA
								LIVE STRANDING; MULTIPLE FISH HOOKS IN BODY; NON-			
				HOOK & LINE				FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED &			
2008 6	9	6/9/2008	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	NSI	RELEASED)	NSI	P5C	NA
				MARINE DEBRIS				CARCASS; FIELD NECROPSY REVEALED PLASTIC ITEMS			
2008 6	11	6/11/2008	CALIFORNIA SEA LION	INGESTION	SAN MATEO	CA	DEAD	BLOCKING INTESTINE	DEAD	NA	NA
								CARCASS; NECROPSY REVEALED GUNSHOT WOUND TO LEFT			
								CERVICAL AREA WITH SECONDARY JUGULAR VEIN			
2008 6	13	6/13/2008	CALIFORNIA SEA LION	SHOOTING	ORANGE	CA	DEAD	LACERATION & TERMINAL HEMORRHAGE	DEAD	NA	NA
								LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND			
								NECK; NON-FATAL INJURY (ANIMAL CAPTURED,			
2008 6	14	6/14/2008	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA
					-			,	-		
								LIVE STRANDING; FISH HOOKS IN RIGHT FRONT FLIPPER &			
				HOOK & LINE				BOTH REAR FLIPPERS; MORTALITY (DIED IN REHAB, CAUSE			
2008 6	14	6/14/2008	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	NSI	OF DEATH = ACUTE GASTRIC MUCOSAL NECROSIS)	DEAD	P5C	NA
2000 0	17	5/17/2000	S. I.II OMNIA SEA LION	HISHERI	SAIN DIEGO	CA	1431	LIVE STRANDING; FISH HOOKS IN RIGHT REAR FLIPPER &	DEAD	130	13/3
				HOOK & LINE				LEFT LOWER LIP; NON-FATAL INJURY (ANIMAL TAKEN INTO			
2008 6	14	6/14/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	REHAB, TREATED & RELEASED)	NSI	P5C	NA
2000 0	14	0/14/2008	CALIFORNIA SEA LION	FISHERI	LOS MINGELES	LA	ICNI	LIVE STRANDING; FISH HOOKS IN THROAT & REAR FLIPPER;	ICNI	FJC	INA
				HOOK & LINE				NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED			
2009	1.4	6/14/2000	CALIEODNIA SEA LION		CANITA DADDADA	CA	NCI		NC	רח	NI A
2008 6	14	6/14/2008	CALIFORNIA SEA LION	FISHERY	SANTA BARBARA	CA	NSI	& RELEASED)	NSI	P2	NA
								LIVE STRANDING; FISHING LURE WITH ATTACHED LINE IN			
				11001/ 0 11115				LEFT REAR FLIPPER; NON-FATAL INJURY (ANIMAL EVADED			
2000 -		c /a a /====		HOOK & LINE				CAPTURE, LURE & LINE FELL OFF ANIMAL DURING CAPTURE	No:	n	
2008 6	14	6/14/2008	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	NSI	ATTEMPT)	NSI	P5C	NA
				SCIENTIFIC				LIVE ANIMAL RETRIEVED FROM NMFS RESEARCH VESSEL			
2008 6	15	6/15/2008	CALIFORNIA SEA LION	RESEARCH TRAWL	OFFSHORE	CA	SI	TRAWL & RELEASED; FINAL STATUS UNKNOWN	SI	P4	NA
				SCIENTIFIC				LIVE ANIMAL RETRIEVED FROM NMFS RESEARCH VESSEL			
2008 6	15	6/15/2008	CALIFORNIA SEA LION	RESEARCH TRAWL	OFFSHORE	CA	SI	TRAWL & RELEASED; FINAL STATUS UNKNOWN	SI	P4	NA
			·								
				SCIENTIFIC				LIVE ANIMAL RETRIEVED FROM NMFS RESEARCH VESSEL			
2008 6	15	6/15/2008	CALIFORNIA SEA LION	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL & RELEASED; FINAL STATUS UNKNOWN	DEAD	NA	NA

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
			•	<i>''</i>	•			LIVE STRANDING; MULTIPLE FISH HOOKS IN MOUTH; NON-			
				HOOK & LINE				FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED &			
2008 6	17	6/17/2008	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	RELEASED)	NSI	P5C	NA
								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 &			
2008 6	20	6/20/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	PYOTHORAX OF UNKNOWN ETIOLOGY)	DEAD	P9	NA
								LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND			
								NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB,			
2008 6	21	6/21/2008	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	DISENTANGLED, TREATED & RELEASED)	NSI	P7B	NA
								LIVE STRANDING; MORTALITY (DIED IN REHAB, NECROPSY			
				HOOK & LINE				REVEALED FISH HOOK & FISHING LINE IN STOMACH, CAUSE			
2008 6	21	6/21/2008	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	OF DEATH = SEPTICEMIA)	DEAD	P2	NA
2000 6		c (22 (222		HOOK & LINE			5545	CARCASS; FIELD NECROPSY REVEALED FISHING LURE	2512		
2008 6	22	6/22/2008	CALIFORNIA SEA LION	FISHERY	SAN MATEO	CA	DEAD	ATTACHED TO STOMACH WALL	DEAD	NA	NA
								LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN			
2000 7	-	7/5/2000	CALIFORNIA CEA LION	HOOK & LINE	VENTUDA	64	NCI	BOTH FRONT FLIPPERS; NON-FATAL INJURY (ANIMAL TAKEN	NCI	DEC	
2008 7	5	7/5/2008	CALIFORNIA SEA LION	FISHERY	VENTURA	CA	NSI	INTO REHAB, TREATED & RELEASED)	NSI	P5C	NA
								LIVE CERANIDING MACREALITY (ANUMAN) FUTUANIZED IN			
								LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO CHRONIC DOMOIC ACID TOXICITY,			
2008 7	7	7 /7 /2000	CALIFORNIA CEA LION	CHOOTING	CANTA CLADA	64	NCI		DEAD	DO.	
2008 /		7/7/2008	CALIFORNIA SEA LION	SHOOTING	SANTA CLARA	CA	NSI	NECROPSY REVEALED SINGLE SHOTGUN PELLET IN NECK) LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL	DEAD	P9	NA
				HOOK & LINE				INJURY (ANIMAL TAKEN INTO REHAB, TREATED &			
2008 7	9	7/9/2008	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	RELEASED)	NSI	P5C	NA
2008 /	9	7/9/2008	CALIFORNIA SEA LION	FISHERT	UKANGE	CA	31	LIVE STRANDING; FISHING LINE PROTRUDING FROM	INSI	PSC	INA
								MOUTH; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY			
								REVEALED FISH HOOK LODGED IN PYLORUS; CAUSE OF			
				HOOK & LINE				DEATH = HOOK INGESTION WITH PERFORATION & SEPTIC			
2008 7	12	7/12/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	PERITONITIS)	DEAD	P2	NA
2008 7	12	7/12/2008	CALII OMNIA SLA LION	HOHEIM	LOS ANGLELS	CA	31	LIVE STRANDING; GUNSHOT WOUND TO MUZZLE;	DLAD	12	INA
								MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO			
2008 7	13	7/13/2008	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	GUNSHOT WOUND)	DEAD	P9	NA
2000 7	- 13	7/15/2000	CALIFORNIA SEA EIGIV	HOOK & LINE	SAITTA CROZ	CA	31	CARCASS; FISH HOOK IN RIGHT EYE; CAUSE OF DEATH =	DEAD	1.5	IVA
2008 7	15	7/15/2008	CALIFORNIA SEA LION	FISHERY	VENTURA	CA	DEAD	UNKNOWN	DEAD	P5B	NA
		.,,									
								LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN			
								REHAB DUE TO LEPTOSPIROSIS, NECROPSY REVEALED			
								SEVERAL SHOTGUN PELLETS IN RIGHT SUB-CUTIS AREA			
2008 7	19	7/19/2008	CALIFORNIA SEA LION	SHOOTING	SAN FRANCISCO	CA	NSI	WITHIN BLUBBER LAYER AT BASE OF NECK)	DEAD	P9	NA
								LIVE STRANDING; FISH HOOK IN RIGHT CORNER OF MOUTH;			
				HOOK & LINE				NON-FATAL INJURY (ANIMAL CAPTURED, HOOK REMOVED			
2008 7	22	7/22/2008	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	& ANIMAL RELOCATED)	NSI	P5C	NA
											-
				SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 7	28	7/28/2008	CALIFORNIA SEA LION	RESEARCH TRAWL	HUMBOLDT	CA	DEAD	TRAWL	DEAD	NA	NA
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
								MOUTH; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE			
				HOOK & LINE				TO TRAUMA TO RIGHT HIND FLIPPER, ORIGIN OF TRAUMA			
2008 7	29	7/29/2008	CALIFORNIA SEA LION	FISHERY	SAN LUIS OBISPO	CA	SI	UNKNOWN)	DEAD	P5A	NA
			<u> </u>					LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
				HOOK & LINE				MOUTH; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF			
2008 8	2	8/2/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	DEATH = SHARK BITE, LEPTOSPIROSIS)	DEAD	P5A	NA
		·						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			
2008 8	4	8/4/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	RUPTURED)	DEAD	P12	NA
2008 8	7	8/7/2008	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	DEAD	CARCASS; GUNSHOT WOUNDS TO NECK & BACK	DEAD	NA	NA

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Mont	h Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
				HOOK & LINE				LIVE STRANDING; FISH HOOK IN RIGHT AXILLARY AREA; MORTALITY (ANIMAL DIED IN REHAB, CAUSE OF DEATH =			
2008 8	9	8/9/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	PNEUMONIA, GASTROINTESTINAL PARASITISM)	DEAD	P5C	NA
		.,.,						LIVE STRANDING; GILLNET-LIKE LACERATION AROUND			
								NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB,			
2008 8	12	8/12/2008	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	TREATED & RELEASED)	NSI	P1	NA
				SCIENTIFIC				CADCACC DETRIEVED FROM NIMES SCIENTIFIC DESEARCH			
2008 8	14	8/14/2008	CALIFORNIA SEA LION	RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
2000 0	17	0/14/2000	CALIFORNIA SEA EION	RESEARCH HAVVE	OTTSHORE	- CA	DEAD	Hewe	DEAD	IVA	IVA
				SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 8	14	8/14/2008	CALIFORNIA SEA LION	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
				COLENTIELO				CARRAGE RETRIEVER ERRALANIATE CONTAINING RECEARDS			
2008 8	14	8/14/2008	CALIFORNIA SEA LION	SCIENTIFIC	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
2008 8	14	6/14/2006	CALIFORNIA SEA LION	RESEARCH TRAVEL	OFFSHORE	CA	DEAD	INAWL	DEAD	IVA	NA .
				SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 8	14	8/14/2008	CALIFORNIA SEA LION	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
		- / /		SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 8	14	8/14/2008	CALIFORNIA SEA LION	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
				SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 8	14	8/14/2008	CALIFORNIA SEA LION	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
				SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 8	14	8/14/2008	CALIFORNIA SEA LION	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
				SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 8	14	8/14/2008	CALIFORNIA SEA LION		OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
2008 8	14	6/14/2008	CALII ONNIA SEA LION	RESEARCH TRAVE	OTTSHOKE	CA	DLAD	TIMAVE	DEAD	INA	INA
				SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 8	14	8/14/2008	CALIFORNIA SEA LION	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE &			
2000 0	4.5	0/45/2000	CALIFORNIA CEA LION	HOOK & LINE	LOC ANGELES	64	NC	SINKER IN BODY; NON-FATAL INJURY (ANIMAL TAKEN INTO	NCI	DEC	
2008 8	15	8/15/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	REHAB, TREATED & RELEASED) LIVE STRANDING; MORTALITY (NECROPSY REVEALED	NSI	P5C	NA
2008 8	21	8/21/2008	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	GUNSHOT PELLETS IN ORAL MUCOSA)	DEAD	Р9	NA
		5, 25, 255		***************************************						· · ·	
								LIVE STRANDING; GILLNET FRAGMENT AROUND HEAD &			
								UPPER JAW; NON-FATAL INJURY (ANIMAL TAKEN INTO			
2008 8	28	8/28/2008	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	NA
				HOOK & LINE				LIVE STRANDING; FISH HOOK IN NECK; NON-FATAL INJURY			
2008 8	31	8/31/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	(ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	NA
		-, - ,						LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
				HOOK & LINE				FLIPPER; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB,			
2008 9	2	9/2/2008	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	NSI	TREATED & RELEASED)	NSI	P5C	NA
								LIVE STRANDING; FISH HOOK IN RIGHT SIDE OF LOWER			
				HOOK & LINE				JAW; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO PNEUMONIA & OSTEOMYELITIS; NECROPSY REVEALED FISH			
2008 9	3	9/3/2008	CALIFORNIA SEA LION	FISHERY	SAN FRANCISCO	CA	SI	HOOK IN STOMACH)	DEAD	P2	NA
		5, 5, 2000	J. L. S. I. II SEA LION	. ISTIENT		U-1	51	LIVE ANIMAL HOOKED THROUGH LIP DURING NMFS	DEND		
				RESEARCH				LONGLINE RESEARCH CRUISE; ANIMAL RELEASED ALIVE BY			
				SCIENTIFIC				CUTTING LEADER APPROXIMATELY 1 FOOT ABOVE HOOK;			
2008 9	6	9/6/2008	CALIFORNIA SEA LION	LONGLINE	VENTURA	CA	NSI	FINAL STATUS OF ANIMAL UNKNOWN	NSI	P5B	NA
								LIVE STRANDING; GUNSHOT WOUND TO HEAD; MORTALITY			
								(ANIMAL EUTHANIZED IN REHAB, RADIOGRAPHS			
2008 9	12	9/12/2008	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	INDICATED LEAD FRAGMENTS IN HEAD)	DEAD	Р9	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	h Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								LIVE ANIMAL HOOKED THROUGH LIP DURING NMFS			
				RESEARCH				LONGLINE RESEARCH CRUISE; ANIMAL RELEASED ALIVE BY			
				SCIENTIFIC				CUTTING LEADER APPROXIMATELY 1 FOOT ABOVE HOOK;			
2008 9	15	9/15/2008	CALIFORNIA SEA LION	LONGLINE	ORANGE	CA	NSI	FINAL STATUS OF ANIMAL UNKNOWN	NSI	P5B	NA
				HOOK & LINE							
2008 9	16	9/16/2008	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	DEAD	CARCASS; FISH HOOK IN FLIPPER	DEAD	P5D	NA
								LIVE STRANDING; GUNSHOT WOUND TO JAW; MORTALITY			
								(ANIMAL EUTHANIZED IN REHAB, NECROPSY REVEALED			
2008 9	16	9/16/2008	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	BULLET FRAGMENTS IN RIGHT SIDE OF JAW)	DEAD	P9	NA
								CARCASS; GUNSHOT WOUND TO LEFT FLIPPER AXILLARY			
								AREA; FIELD NECROPSY REVEALED TWO BROKEN RIBS,			
2008 9	21	9/21/2008	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	DEAD	BULLET LODGED IN RIB ON RIGHT SIDE OF BODY	DEAD	NA	NA
								CARCASS; GUNSHOT WOUND TO SIDE; FIELD NECROPSY			
2008 9	21	9/21/2008	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	DEAD	REVEALED RIB WITH HOLE IN IT	DEAD	NA	NA
								LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND			
								CHEST & FLIPPERS; NON-FATAL INJURY (ANIMAL TAKEN			
2008 9	22	9/22/2008	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	SI	INTO REHAB, DISENTANGLED, TREATED & RELEASED)	NSI	P7B	NA
2000 3		3/22/2000	CALII OMMA SEA LION	GILLINET TISTIERT	VEINTONA	CA	31	LIVE STRANDING; GUNSHOT WOUND TO RIGHT EYE;	1451	175	14/4
								MORTALITY (ANIMAL EUTHANIZED IN REHAB,			
2008 9	28	9/28/2008	CALIFORNIA SEA LION	SHOOTING	SONOMA	CA	SI	RADIOGRAPHS SHOWED BULLET IN RIGHT EYE)	DEAD	P9	NA
2008 9	28	9/28/2008	CALIFORNIA SEA LION	SHOUTING	SUNUIVIA	CA	31	LIVE STRANDING; GILLNET FRAGMENT WRAPPED AROUND	DEAD	P9	INA
2000 40		40/2/2000					61	NECK; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB,		070	
2008 10	3	10/3/2008	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	SI	DISENTANGLED, TREATED & RELEASED)	NSI	P7B	NA
2008 10	6	10/6/2008	CALIFORNIA SEA LION	SHOOTING	MARIN	CA	DEAD	CARCASS; SHOTGUN-LIKE WOUNDS TO NECK & BACK	DEAD	NA	NA
								LIVE STRANDING; MORTALITY (ANIMAL DIED ON BEACH,			
2008 10	7	10/7/2008	CALIFORNIA SEA LION	SHOOTING	MARIN	CA	SI	SHOTGUN-LIKE WOUND TO BACK	DEAD	P9	NA
				CA SWORDFISH							
				DRIFT GILLNET							
2008 10	16	10/16/2008	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
								LIVE STRANDING; PACKING STRAP AROUND NECK; NON-			
				MARINE DEBRIS				FATAL INJURY (ANIMAL TAKEN INTO REHAB,			
2008 10	23	10/23/2008	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	DISENTANGLED, TREATED & RELEASED)	NSI	P7B	NA
								LIVE STRANDING; FISH HOOK IN MOUTH; MORTALITY			
								(ANIMAL EUTHANIZED IN REHAB DUE TO BLINDNESS;			
				HOOK & LINE				NECROPSY REVEALED FISH HOOK WITH ATTACHED LINE			
2008 10	25	10/25/2008	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	EMBEDDED IN TISSUE BEHIND ESOPHAGUS)	DEAD	P2	NA
								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			
				HOOK & LINE				DEATH PROBABLY RELATED TO SKULL TRAUMA OF			
2000 10	26	10/26/2000	CALIEODNIA CEA LICAL		LOC ANCELES	C^	CI		DEAD	Dr.	NI A
2008 10	26	10/26/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	UNKNOWN ORIGIN)	DEAD	P5A	NA
2000 44	2	11/2/2000	CALIFORNIA CEA LICE:	CHOCTING	CAN EDANGICO	C*	DEAD	CARCASS, SHOTSHIN MOUND TO USAS	DEAD	B1.A	
2008 11	2	11/2/2008	CALIFORNIA SEA LION	SHOOTING	SAN FRANCISCO	CA	DEAD	CARCASS; SHOTGUN WOUND TO HEAD	DEAD	NA	NA
								LIVE STRANDING; GUNSHOT WOUND TO LEFT EYE;			
								MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO			
								UROGENITAL CARCINOMA, BULLET EXTRACTED FROM EYE			
2008 11	5	11/5/2008	CALIFORNIA SEA LION	SHOOTING	ORANGE	CA	SI	DURING NECROPSY)	DEAD	P9	NA
								LIVE STRANDING; FISHING LINE WRAPPED AROUND NMFS			
								TAG; GUNSHOT WOUNDS TO HEAD & NECK; NON-FATAL			
				SHOOTING/HOOK				INJURY (ANIMAL TAKEN INTO REHAB, TREATED &			
2008 11	6	11/6/2008	CALIFORNIA SEA LION	& LINE FISHERY	SAN DIEGO	CA	SI	RELEASED)	NSI	P9	NA
				CA SWORDFISH					<u></u>		·
				DRIFT GILLNET							
2008 11	7	11/7/2008	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
				DRIFT GILLNET							
2008 11	7	11/7/2008	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
		, ,						* *		** *	

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

								Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year N	/lonth	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
					CA SWORDFISH							
		_	/- /		DRIFT GILLNET							
2008	11	8	11/8/2008	CALIFORNIA SEA LION	FISHERY CA SWORDFISH	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
					DRIFT GILLNET							
2008	11	8	11/8/2008	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2000	11	-	11/0/2000	CALII ORINIA SEA EION	HISHERI	OTTSHORE	C/A	DEAD	OBSERVERT ROGRAM	DEAD	TVA	TVA
									LIVE STRANDING; GUNSHOT WOUND TO HEAD; MORTALITY			
									(ANIMAL DIED IN REHAB, NECROPSY REVEALED BULLET IN			
2008	11	9	11/9/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	RIGHT TEMPORALIS MUSCLE, SKULL FRAGMENT IN BRAIN)	DEAD	P9	NA
2008	11	11	11/11/2008	CALIFORNIA SEA LION	SHOOTING	LINCOLN	OR	DEAD	SHOTGUN PELLETS COLLECTED	DEAD	NA	NA
					CA SWORDFISH							
2008	11	23	11/23/2008	CALIFORNIA SEA LION	DRIFT GILLNET FISHERY	OFFCHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2008	11	23	11/23/2008	CALIFORNIA SEA LION	FISHERI	OFFSHORE	CA	DEAD	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-	DEAD	IVA	INA
									FATAL INJURY (ANIMAL DISENTANGLED ON SITE &			
2008	11	23	11/23/2008	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	RELEASED)	NSI	P7B	NA
									LIVE STRANDING; FISH HOOK IN REAR FLIPPER; MORTALITY			
					HOOK & LINE				(ANIMAL DIED IN REHAB; CAUSE OF DEATH = INTERSTITIAL			
2008	11	23	11/23/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	NEPHRITIS)	DEAD	P5D	NA
					CA SWORDFISH							
2000		25	44/25/2000		DRIFT GILLNET	055011005		2512	000500/50 00000044	2512		
2008	11	25	11/25/2008	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM LIVE ANIMAL HAULED OUT ON DOCK WITH KNIFE BLADE	DEAD	NA	NA
									PROTRUDING FROM BACK; NON-FATAL INJURY (RESCUE			
								PERSONNEL IMMOBILIZED ANIMAL, REMOVED KNIFE				
2008	12	10	12/10/2008	CALIFORNIA SEA LION	STAB WOUNDS	SAN DIEGO	CA	SI	BLADE & TREATED ANIMAL ON SITE)	SI	Р9	NA
									LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB,			
									RADIOGRAPHS REVEALED BULLET TRACT ACROSS CRANIUM			
2008	12	13	12/13/2008	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI		DEAD	P9	NA
									LIVE STRANDING; GUNSHOT WOUNDS TO CHEST; NON-			
2000	4.0	40	42/40/2000		SUSSEE	100 11105150		61	FATAL INJURY (ANIMAL TAKEN INTO REHAB, TREATED &	NG	242	
2008	12	19	12/19/2008	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	RELEASED) LIVE STRANDING; MORTALITY (ANIMAL DIED DURING	NSI	P12	NA
									TRANSPORT TO REHAB; COPPER-COVERED LARGE CALIBER			
									BULLET FRAGMENT RETRIEVED FROM RIGHT MANDIBLE			
2008	12	19	12/19/2008	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	DURING NECROPSY)	DEAD	Р9	NA
									,			
					HOOK & LINE				LIVE STRANDING; FISH HOOK IN EYELID; NON-FATAL INJURY			
2008	12	23	12/23/2008	CALIFORNIA SEA LION	FISHERY	SANTA BARBARA	CA	NSI	(ANIMAL TAKEN INTO REHAB, TREATED & RELEASED)	NSI	P5C	NA
									LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2000	4.0		42/27/2000		OUL NET EIGHERY	VENTURA		61	FATAL INJURY (ANIMAL TAKEN INTO REHAB,	NG	070	
2008	12	27	12/27/2008	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	SI	DISENTANGLED, TREATED & RELEASED) LIVE STRANDING; FISH HOOK IN LOWER LIP; MORTALITY	NSI	P7B	NA
					HOOK & LINE				(ANIMAL DIED IN REHAB, CAUSE OF DEATH = VERMINOUS			
2008	12	31	12/31/2008	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	PNEUMONIA)	DEAD	P5C	NA
			, - ,						LIVE STRANDING; FISH HOOK WITH LINE ATTACHED IN		**	
					HOOK & LINE				MOUTH, SOME BLOOD INSIDE MOUTH; NON-FATAL INJURY			
2009	1	2	1/2/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	(ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
					HOOK & LINE				LIVE STRANDING; FISH HOOK IN TONGUE; NON-FATAL			
2009	1	4	1/4/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
2000	1	0	1 /0 /2000	CALIFORNIA CEA LICE:	POWER PLANT	CAN DIECO	C*	DEAD	CADCACC EL CATINIC INI DOMED DI ANTINITALE CHANNE	DEAD	814	B1.6
2009	1	8	1/8/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
					HOOK & LINE				LIVE STRANDING; FISH HOOK IN LEFT FRONT FLIPPER; NON-			
2009	1	15	1/15/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
			_, 10, 2000	2 G			<u></u>		, printing received internal			
					HOOK & LINE				LIVE STRANDING; FISH HOOK IN RIGHT REAR FLIPPER; NON-			
2009	1	17	1/17/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	NSI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
						· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	· ·		

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
Teal Month	Day	Date	эресіез	interaction type	County.Locale	JIAIL	Assessment	LIVE STRANDING; GUNSHOT WOUNDS UNDER RIGHT	Assessment	Assessment	value
								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			
2009 1	18	1/18/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	GUNSHOT)	DEAD	P9	NA
								LIVE STRANDING; OLD ENTANGLEMENT WOUND ON NECK,			
								NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL			
2009 1	18	1/18/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	RELEASED FROM REHAB)	NSI	P9	NA
								LIVE STRANDING; GUNSHOT WOUND TO LEFT SIDE OF			
								FACE; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO			
2009 1	19	1/19/2009	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	SEPTIC DEGENERATION FROM GUNSHOT)	DEAD	P9	NA
								LIVE STRANDING; GUNSHOT WOUNDS TO THORAX & SPINE;			
								RADIOGRAPHS REVEALED BULLET IN THORAX & BULLET IN			
								SPINE; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO			
2009 1	21	1/21/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	PARALYSIS FROM GUNSHOT)	DEAD	P9	NA
								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);			
2009 1	26	1/26/2009	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	NECROPSY REVEALED CURVED 7 CENTIMETER LONG METAL FRAGMENT IN STOMACH	DEAD	P2	NA
2009 1	20	1/20/2009	CALIFORNIA SEA LION	300011110	SAN LOIS OBISPO	CA	31	FRAGWENT IN STOWACH	DEAD	FZ	INA
								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			
2009 1	26	1/26/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	ABLE TO USE RIGHT FRONT FLIPPER PRIOR TO RELEASE)	NSI	P9	NA
								LIVE STRANDING; GILLNET FRAGMENT AROUND NECK			
								CAUSING 3 CENTIMETER DEEP LACERATION; MORTALITY			
2009 1	26	1/26/2009	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	(ANIMAL DIED IN REHAB; CAUSE OF DEATH = UNKNOWN)	DEAD	P8A	NA
								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			
2009 2	3	2/3/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	RIGHT 5TH RIB)	DEAD	P9	NA
2303 2		2/3/2003	S. LII OMNIA SEA LION	3110011110	200 ANOLLES	- CA	51	LIVE STRANDING; OLD GILLNET WOUND ON DORSAL SIDE	DEAD	13	11/5
								OF NECK, NO GEAR ON ANIMAL; NON-FATAL INJURY			
2009 2	4	2/4/2009	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	NSI	(ANIMAL RELEASED FROM REHAB)	NSI	Р9	NA
		, ,						LIVE STRANDING; 2 GUNSHOT WOUNDS TO BACK;		*	
								MORTALITY (ANIMAL DIED IN REHAB; SMALL BULLET			
								FRAGMENT REMOVED DURING NECROPSY; NECROPSY			
								REVEALED HEMOTHORAX, PULMONARY HEMORRHAGE &			
2009 2	6	2/6/2009	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	SIMPLE TRAUMATIC RIB FRACTURE)	DEAD	P9	NA
				HOOK & LINE				LIVE STRANDING; FISH HOOK IN NOSTRIL; NON-FATAL			•
2009 2	6	2/6/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	NSI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
			.				· · · · · · · · · · · · · · · · · · ·	LIVE STRANDING; OLD GILLNET WOUND AROUND NECK, NO			
								GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED			
2009 2	8	2/8/2009	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	NSI	FROM REHAB)	NSI	P9	NA
·				·			·	DEAD STRANDING; GUNSHOT WOUND TO BACK OF HEAD;			
								CARCASS EXAMINED BY COAL OIL POINT RESERVE			
2009 2	8	2/8/2009	CALIFORNIA SEA LION	SHOOTING	SANTA BARBARA	CA	DEAD	PERSONNEL	DEAD	NA	NA

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	n Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
			·		•			LIVE STRANDING; SHOTGUN WOUND TO HEAD; NON-FATAL			
2009 2	8	2/8/2009	CALIFORNIA SEA LION	SHOOTING	SANTA BARBARA	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	NA
								LIVE STRANDING; GILLNET FRAGMENT AROUND HEAD &			
2009 2	15	2/15/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MARIN	CA	SI	JAW; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
								THE STRANDING OF MISSION WOUND TO DIGHT SHOULDED			
								LIVE STRANDING; GUNSHOT WOUND TO RIGHT SHOULDER;			
								MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO			
								PARALYSIS OF HIND FLIPPERS, CAUSE OF PARALYSIS			
2009 2	10	2/10/2000	CALIFORNIA CEA LION	CHOOTING	LOC ANCELES	CA	CI	UNKNOWN; SINGLE BULLET REMOVED FROM VENTRAL	DEAD	DO.	NIA
2009 2	19	2/19/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	SUBCUTANEOUS TISSUE IN RIGHT SHOULDER)	DEAD	P9	NA
				MARINE DEBRIS				LIVE STRANDING; FAN BELT AROUND HEAD/NECK AREA;			
2009 2	20	2/20/2009	CALIFORNIA SEA LION	ENTANGLEMENT	VENTURA	CA	SI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
2003 2	20	2/20/2003	CALII ONNIA SEA LION	LIVIANGLLIVILIVI	VENTORA	CA	31	LIVE STRANDING; GUNSHOT WOUND TO HINDFLIPPER;	NOI	F75	IVA
								MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO			
								GUNSHOT; .22 CALIBER BULLET REMOVED FROM LEFT OF			
2009 2	20	2/20/2009	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	TIBIA MEDIAL CONDYLE	DEAD	Р9	NA
		,,_,_		BAIT BARGE NET				DEAD ANIMAL DISCOVERED INSIDE U.S. NAVY MARINE			
2009 2	23	2/23/2009	CALIFORNIA SEA LION	ENTANGLEMENT	SAN DIEGO	CA	DEAD	MAMMAL PROGRAM BAIT PEN	DEAD	NA	NA
		, , ,						LIVE STRANDING; GILLNET FRAGMENT AROUND NECK;			
								MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH =			
2009 2	28	2/28/2009	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	UNKNOWN)	DEAD	P8A	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, HEALTH			
2009 3	10	3/10/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FAILURE.	DEAD	NA	NA
,								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, HEALTH			
2009 3	11	3/11/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FAILURE.	DEAD	NA	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, HEALTH			
2009 3	17	3/17/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FAILURE.	DEAD	NA	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
2000	40	2/40/2000		AUTHORIZED			*****	IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION	C4.DTII.(IT).(
2009 3	18	3/18/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	120. ANIMAL TRANSFERRED TO SHEDD AQUARIUM.	CAPTIVITY	NA	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
				AUTHORIZED				IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
2009 3	18	3/18/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	120. ANIMAL TRANSFERRED TO SHEDD AQUARIUM.	CAPTIVITY	NA	NA
2009 3	10	3/18/2003	CALII ONNIA SEA LION	KLIVIOVAL	COLOWIDIA KIVEK	WA	ALIVE	120. ANIMAL INANSI EIIRED TO SHEDD AQOARIOM.	CAFTIVITI	IVA	INA
				HOOK & LINE				LIVE STRANDING; FISH HOOK IN LOWER RIGHT JAW; NON-			
2009 3	1	3/1/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
								,			
				HOOK & LINE				LIVE STRANDING; FISH HOOKS IN FRONT & REAR FLIPPERS;			
2009 3	3	3/3/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	NSI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
			<u></u>				·	LIVE STRANDING; PACKING STRAP AROUND NECK; NON-			
				MARINE DEBRIS				FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON			
2009 3	14	3/14/2009	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	SITE)	NSI	P7B	NA
								LIVE STRANDING; HARD PLASTIC GASKET AROUND NECK;			
				MARINE DEBRIS				NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED			
2009 3	14	3/14/2009	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	ON SITE)	NSI	P7B	NA
				HOOK & LINE				SEA LION HAULED OUT ON BUOY WITH MONOFILAMENT			
2009 3	18	3/18/2009	CALIFORNIA SEA LION	FISHERY	KING	WA	SI	FISHING LINE AROUND NECK	SI	P8A	NA
				HOOK & LINE		_		LIVE STRANDING; FISH HOOK IN LEFT FLIPPER; NON-FATAL			_
2009 3	19	3/19/2009	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	NSI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month Da	ay	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								LIVE STRANDING; BLACK RUBBER BELT (FAN BELT?)			
								AROUND LOWER NECK, CUTTING INTO SHOULDERS,			
2000		2/22/2000		MARINE DEBRIS	MANTEREY		61	WOUND BLEEDING; MORTALITY (ANIMAL EUTHANIZED IN	2542	204	
2009 3 2	22	3/22/2009	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	REHAB) LIVE STRANDING; OLD GILLNET WOUND AROUND NECK,	DEAD	P8A	NA
								TISSUE NECROTIC & INFECTED, NO GEAR ON ANIMAL;			
2009 3 2	16	3/26/2009	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P1	NA
		, ,						REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, HEALTH			
2009 4	1	4/1/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FAILURE.	DEAD	NA	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
				AUTHORIZED				IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, HEALTH			
2009 4	1	4/1/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FAILURE.	DEAD	NA	NA
2003 4	1	4/1/2003	CALII ONNIA SEA LION	KLIVIOVAL	COLONIBIA NIVEN	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	DLAD	INA	INA
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, HEALTH			
2009 4	1	4/1/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FAILURE.	DEAD	NA	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
2000		. /. /2000		AUTHORIZED			*****	IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION	C4.DTII.//TI/		
2009 4	1	4/1/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	120. ANIMAL TRANSFERRED TO GLADYS PORTER ZOO.	CAPTIVITY	NA	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
				AUTHORIZED				IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
2009 4	1	4/1/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	120. ANIMAL TRANSFERRED TO SHEDD AQUARIUM.	CAPTIVITY	NA	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, HEALTH			
2009 4	1	4/1/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FAILURE.	DEAD	NA	NA
2000 4		4/4/2000	CALIFORNIA CEA LION	HOOK & LINE	ODANICE		NCI	LIVE STRANDING; FISH HOOK IN FRONT FLIPPER; NON-	NCI	DEC	
2009 4	1	4/1/2009	CALIFORNIA SEA LION	FISHERY POWER PLANT	ORANGE	CA	NSI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
2009 4 1	2	4/12/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
2003 1 1		1/ 12/ 2005	O'TEN O'THIN SEN EIGH	LITTIO III TITLE	37.117.12.00	C/ \	52,15	G. W.O. 155 T. E. O. T. W. T. T. T. W. T. T. T. W. T. W. T. T. W. W. T. W.	00.10		
								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			
2000 4 4	2	4/42/2000	CALIFORNIA CEA LION	HOOK & LINE	CAN DIECO		C.	PERMANENTLY TRANSFERRED FROM REHAB TO U.S. NAVY	CARTINITY	DEC	
2009 4 1	.3	4/13/2009	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	SI	MARINE MAMMAL PROGRAM) LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN	CAPTIVITY	P5C	NA
				HOOK & LINE				FLIPPER; MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE			
2009 4 1	.8	4/18/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	TO SEVERE HYPOGLYCEMIA)	DEAD	Р9	NA
		, ,		POWER PLANT							
2009 4 1	.9	4/19/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
								OLD GILLNET SCAR AROUND NECK, NO GEAR ON ANIMAL;			
2000		4/24/2000	CALIFORNIA CEALICI	CHINET SIGNS	LOC ANOS: 50	64	6 .	MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO	DEAD	F.4	N. C
2009 4 2	:4	4/24/2009	CALIFORNIA SEA LION	POWER PLANT	LOS ANGELES	CA	SI	BLINDNESS & DETERIORATING BODY CONDITION)	DEAD	P1	NA
2009 4 2	.5	4/25/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
2003 4 2		7/23/2003	CALII OMNIA JEA LION	CHINAMANICHI	JAN DILGO	CA	DLAD	CARCASS I EGATING IN FOWER FEATUT INTAKE CHANNEL	DLAD	IVA	IVA
								LIVE STRANDING; ANIMAL WRAPPED IN FISHING LINE WITH			
				HOOK & LINE				MULTIPLE FISH HOOKS IN BACK & MOUTH; NON-FATAL			
2009 4 2	16	4/26/2009	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
				POWER PLANT							
2009 4 3	10	4/30/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
2000 4 3	10	4/30/2009	CALIEODNIA SEA LIONI	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS ELOATING IN DOWED DI ANT INTAVE CHANNEL	DEAD	NA	NA
2009 4 3	U	4/ 30/ 2009	CALIFORNIA SEA LION	ENTRAINVIENT	SAN DIEGO	LA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	ΝA	INA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
rear Month	Day	Date	Species	interaction Type	County.Locale	SIAIE	Assessment	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	Assessment	Assessment	value
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, HEALTH			
2009 5	11	5/11/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FAILURE. REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	DEAD	NA	NA
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, HEALTH			
2009 5	13	5/13/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FAILURE.	DEAD	NA	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
2009 5	14	5/14/2009	CALIFORNIA SEA LION	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	120. ANIMAL KILLED BY LETHAL INJECTION, HEALTH FAILURE.	DEAD	NA	NA
2009 3	14	3/14/2009	CALIFORNIA SEA LION	POWER PLANT	COLOIVIBIA RIVER	VVA	ALIVE	FAILURE.	DEAD	INA	INA
2009 5	1	5/1/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
				HOOK & LINE				LIVE STRANDING; FISHING LURE IN LEFT CHEEK, ATTACHED FISHING LINE WRAPPED AROUND NECK; NON-FATAL INJURY			
2009 5	2	5/2/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	(ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
2003 3		3,2,2003	CALLA CHILIA COLA LICAL	Homen	200711102220	C/ \	<u> </u>	LIVE STRANDING; THICK TAN CANVAS WRAPPED AROUND	1101	130	
				MARINE DEBRIS				LOWER NECK; MORTALITY (ANIMAL DIED IN REHAB WHILE			
2009 5	3	5/3/2009	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	UNDER ANESTHESIA)	DEAD	P8A	NA
	_	- /- /		HOOK & LINE				LIVE STRANDING; FISH HOOK IN RIGHT FLIPPER; NON-FATAL			
2009 5	5	5/5/2009	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	NSI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
								LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2009 5	5	5/5/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
				HOOK & LINE				LIVE STRANDING; FISH HOOK IN VENTRUM; NON-FATAL			
2009 5	8	5/8/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	NSI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
				HOOK & LINE				LIVE STRANDING; FISH HOOK IN LOWER RIGHT LIP; NON-			
2009 5	8	5/8/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
2003 3		3/0/2003	CALIFORNIA SEA LION	POWER PLANT	EOS ANGLES	- CA	1431	TATAL INON' (AMINIAL RELEASED FROM REITAD)	1451	130	NA.
2009 5	9	5/9/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
				MADINE DEDDIC				LIVE CTRANDING, DACKING CTRAD ADOLIND NECK, NON			
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	NA
2003 3		3/3/2003	CALII ORINIA SEA EION	ENTANGEEMENT	WONTERE	- CA	<u> </u>	LIVE STRANDING; BARBED FLY HOOK IN LEFT FRONT	1451	170	NA.
				HOOK & LINE				FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009 5	10	5/10/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	NSI	REHAB)	NSI	P5C	NA
2009 5	11	5/11/2009	CALIFORNIA CEA LION	HOOK & LINE FISHERY	CANITA DADDADA	CA	NSI	LIVE STRANDING; FISH HOOK IN RIGHT FOREFLIPPER; NON- FATAL INJURY(ANIMAL RELEASED FROM REHAB)	NCI	P5C	NA
2009 5	11	5/11/2009	CALIFORNIA SEA LION	POWER PLANT	SANTA BARBARA	CA	INSI	FATAL INJURY (ANIIWAL RELEASED FROM REHAB)	NSI	PSC	NA NA
2009 5	13	5/13/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
								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			
2000 5	1.4	5/14/2009	CALIEODNIA CEA LICAL	STAB WOUNDS	LOS ANGELES	CA	DEAD	MODERATELY DECOMPOSED; CARCASS EXAMINED BY CALIFORNIA WILDLIFE CENTER PERSONNEL	DEAD	NI A	N/A
2009 5	14	3/14/2009	CALIFORNIA SEA LION	21AB WOUNDS	LOS ANGELES	CA	DEAD	DEAD STRANDING; 12 INCHES OF FISHING LINE EXTENDING	DEAD	NA	NA
				HOOK & LINE				FROM MOUTH; NECROPSY REVEALED PENETRATION OF			
2009 5	14	5/14/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	DEAD	ESOPHAGEAL WALL BY FISH HOOK	DEAD	NA	NA
				<u> </u>			<u> </u>	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK;			· · · · · · · · · · · · · · · · · · ·
2009 5	14	5/14/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN MATEO	CA	SI	MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P8A	NA
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	NA
2003 3	10	3/10/2009	CALIFORNIA SEA LION	LISHENI	ANNONNO MINING	CM	ICNI	INJUNT (ANIMAL RELEASED FROM REHAD)	ICNI	FJC	INA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year	Month	Dav	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
					POWER PLANT		•					7.0.00
2009	5	17	5/17/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
					HOOK & LINE				LIVE STRANDING; 2 FISH HOOKS IN RIGHT FRONT FLIPPER; MORTALITY (EUTHANIZED IN REHAB DUE TO SEVERE			
2009	5	18	5/18/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	EMACIATION)	DEAD	P1	NA
			0, -0, -000		POWER PLANT							
2009	5	19	5/19/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
									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			
2009	5	19	5/19/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	DEAD	'BANG STICK' SHOOTING	DEAD	NA	NA
					MARINE DEBRIS				LIVE STRANDING; BLACK RUBBER GASKET AROUND NECK; NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED			
2009	5	20	5/20/2009	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	ON SITE)	NSI	P7B	NA
									•			
									DEAD STRANDING; NECROPSY REVEALED FRACTURED			
	_	20	E /22 /2000					2512	SKULL, BROKEN RIBS, THORACIC HEMORRHAGE &	5545		
2009	5	23	5/23/2009	CALIFORNIA SEA LION	POWER PLANT	ALAMEDA	CA	DEAD	ABDOMINAL ORGANS PUSHED UP INTO CHEST CAVITY	DEAD	NA	NA
2009	5	23	5/23/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
									LIVE STRANDING; GUNSHOT WOUND TO LEFT SIDE OF			
									BODY; MORTALITY (ANIMAL EUTHANIZED IN REHAB;			
	_	5 23 5/23/2009 CALIFORNIA SEA LION		SUBSTINE.			61	BULLET RETRIEVED FROM SOFT TISSUE OF LEFT LATERAL	5545	242		
2009	5	23	5/23/2009	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	THORAX)	DEAD	P12	NA
								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			
	_		- / /		HOOK & LINE				THROUGH TONGUE & GUM; MORTALITY (ANIMAL DIED IN			
2009	5	24	5/24/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	REHAB, CAUSE OF DEATH = UNKNOWN) LIVE STRANDING; FISH HOOK IN LOWER LIP; NON-FATAL	DEAD	P5A	NA
					HOOK & LINE				INJURY (HOOK REMOVED ON SITE, ANIMAL RELOCATED &			
2009	5	24	5/24/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	NSI	RELEASED)	NSI	P5C	NA
									LIVE STRANDING; FISH HOOKS IN LEFT FRONT FLIPPER & IN			
	_		- / /		HOOK & LINE				CORNER OF MOUTH; NON-FATAL INJURY (ANIMAL			
2009	5	25	5/25/2009	CALIFORNIA SEA LION	FISHERY	VENTURA	CA	SI	RELEASED FROM REHAB)	NSI	P5C	NA
					HOOK & LINE				LIVE STRANDING; FISH HOOK IN LEFT FOREFLIPPER; NON-			
2009	5	25	5/25/2009	CALIFORNIA SEA LION	FISHERY	SANTA BARBARA	CA	NSI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
									ANIMAL SWAM INTO NMFS RESEARCH VESSEL TRAWL NET			
									DURING HAULBACK; TOTAL CAPTURE TIME = 2 MINUTES IN WATER, 3 MINUTES ON DECK; PRESUMED NON-FATAL			
					SCIENTIFIC				INJURY (ANIMAL DESCRIBED AS ENERGETIC DURING			
2009	5	26	5/26/2009	CALIFORNIA SEA LION	RESEARCH TRAWL	SONOMA	CA	NSI	CONTAINMENT & VIGOROUS UPON RELEASE)	NSI	P4	NA
					11001/ 0 11115				LIVE STRANDING; FISH HOOKS IN RIGHT REAR FLIPPER &			
2009	5	26	5/26/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	RIGHT LOWER LIP; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION & PARASITISM)	DEAD	P5A	NA
2009		20	5/20/2009	CALIFORNIA SEA LION	FISHERT	LOS ANGELES	CA	31	LIVE STRANDING; FISH HOOKS WITH LINE ATTACHED IN	DEAD	POA	INA
									JAW & LEFT FRONT FLIPPER; MORTALITY (ANIMAL DIED			
									DURING TRANSPORT TO REHAB; NECROPSY REVEALED FISH			
					HOOK & LINE				HOOK IN PYLORUS WALL; CAUSE OF DEATH = PARASITIC			
2009	5	26	5/26/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	GASTROENTERITIS)	DEAD	P5A	NA
2009	5	27	5/27/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
			3, 2., 2003	J. L. C. LIAN SEA LION	CITITO AIRITEIT	5, 5/200		J.C.D	The state of the s	JEND	.17/5	19/5
					MARINE DEBRIS				LIVE STRANDING; STRING AROUND NECK; NON-FATAL			
2009	5	27	5/27/2009	CALIFORNIA SEA LION	ENTANGLEMENT	SANTA CRUZ	CA	SI	INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA

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Year	Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
2009	5	28	5/28/2009	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
					HOOK & LINE				LIVE STRANDING; FISH HOOKS IN FLIPPERS; NON-FATAL			
2009	5	28	5/28/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
					HOOK & LINE				LIVE STRANDING; FISH HOOK IN FACE; MORTALITY (ANIMAL			
2009	5	29	5/29/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	DIED IN REHAB; CAUSE OF DEATH = UNKNOWN)	DEAD	P5B	NA
2003	3	23	3/23/2003	CALIFORNIA SEA LION	FISHERI	LOS ANGELES	CA	31	DIED IN REHAB, CAUSE OF DEATH - UNKNOWN)	DEAD	гэв	NA .
					HOOK & LINE				LIVE STRANDING; FISH HOOK IN FACE ABOVE RIGHT EYE;			
2009	5	29	5/29/2009	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	NSI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
					POWER PLANT							
2009	5	30	5/30/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
									LIVE STRANDING FISHING LUBE IN LEFT SIDE OF MOUTH			
2009	-	20	5/30/2009	CALIFORNIA SEA LION	HOOK & LINE	ORANGE	CA	SI	LIVE STRANDING; FISHING LURE IN LEFT SIDE OF MOUTH;	SI	P2	NA
2009	5	30	5/30/2009	CALIFORNIA SEA LION	FISHERY	UKANGE	CA	SI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	31	PZ	NA
									LIVE STRANDING; FISH HOOKS IN RIGHT FRONT FLIPPER,			
					HOOK & LINE				LEFT FRONT FLIPPER, & IN FACE ABOVE RIGHT EYE; NON-			
2009	5	30	5/30/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
									LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
					HOOK & LINE				MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009	5	31	5/31/2009	CALIFORNIA SEA LION	FISHERY	VENTURA	CA	SI	REHAB)	NSI	P5C	NA
									LIVE STRANDING; FISHING LURE WITH ATTACHED LINE IN			
					HOOK & LINE				MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009	5	31	5/31/2009	CALIFORNIA SEA LION	FISHERY	VENTURA	CA	SI	REHAB)	SI	P2	NA
									LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN			
					HOOK & LINE				BACK & JUST ABOVE RIGHT EYE; NON-FATAL INJURY			
2009	5	31	5/31/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	NSI	(HOOKS REMOVED & ANIMAL RELEASED ON SITE)	NSI	P5C	NA
2003	3	31	3/31/2009	CALIFORNIA SEA LION	FISHERI	WIONTERET	CA	IVSI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT	IVSI	FJC	IVA
					HOOK & LINE				SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED			
2009	6	2	6/2/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	FROM REHAB)	NSI	P5C	NA
									LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
					HOOK & LINE				SHOULDER; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF			
2009	6	4	6/4/2009	CALIFORNIA SEA LION	FISHERY	SAN LUIS OBISPO	CA	SI	DEATH = MALNUTRITION & SEPTICEMIA)	DEAD	P1	NA
									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			
2009	6	6	6/6/2009	CALIFORNIA SEA LION	SHOOTING HOOK & LINE	ORANGE	CA	SI	FACE DURING NECROPSY) LIVE STRANDING; FISH HOOK IN UPPER LIP; NON-FATAL	DEAD	P9	NA
2009	6	6	6/6/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
2003	0	U	0/0/2009	CALIFORNIA SEA LION	FISHERI	LOS ANGELES	CA	IVSI	LIVE STRANDING; FISH HOOK WITH ATTACHED STEEL	INSI	FJC	IVA
									LEADER IN LEFT SIDE OF MOUTH; MORTALITY (DIED IN			
					HOOK & LINE				REHAB; CAUSE OF DEATH = PERITONITIS SECONDARY TO			
2009	6	7	6/7/2009	CALIFORNIA SEA LION	FISHERY	VENTURA	CA	SI	OBSTRUCTED BOWEL)	DEAD	P5A	NA
					HOOK & LINE				LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL			
2009	6	7	6/7/2009	CALIFORNIA SEA LION	FISHERY	VENTURA	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
									LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
	_	_	- /- /		HOOK & LINE				MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF			
2009	6	7	6/7/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	DEATH = MALNUTRITION & PNEUMONIA	DEAD	P5A	NA
					HOOK & LINE				LIVE STRANDING; FISH HOOK IN HINDFLIPPER; MORTALITY			
2009	6	7	6/7/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	NSI	(ANIMAL DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P1	NA
2009	U	-/	0///2009	CALIFORNIA SEA LIUN	FISHERT	JANTA BARBARA	CA	ICN	LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN	DEAD	r1	INA
					HOOK & LINE				LEFT FRONT FLIPPER & IN TONGUE; NON-FATAL INJURY			
2009	6	8	6/8/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	(ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
			-, -, 2003			2		<u></u>	,		. 30	
					HOOK & LINE				LIVE STRANDING; FISH HOOK IN HEAD BEHIND RIGHT EAR;			
2009	6	8	6/8/2009	CALIFORNIA SEA LION	FISHERY	VENTURA	CA	NSI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								LIVE STRANDING; FISH HOOK IN LOWER LEFT EYELID, FISH			
				HOOK & LINE				HOOK IN LOWER LIP; MORTALITY (ANIMAL DIED IN REHAB;			
2009 6	8	6/8/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	CAUSE OF DEATH = MALNUTRITION)	DEAD	P5A	NA
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
				HOOK & LINE				THROAT; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF			
2009 6	8	6/8/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	DEATH = MALNUTRITION)	DEAD	P5A	NA
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT			
				HOOK & LINE				FRONT FLIPPER; MORTALITY (ANIMAL DIED IN REHAB;			
2009 6	9	6/9/2009	CALIFORNIA SEA LION	FISHERY	SAN LUIS OBISPO	CA	SI	CAUSE OF DEATH = PERFORATED ULCER & MALNUTRITION)	DEAD	P1	NA
								LIVE STRANDING; FISH HOOKS IN RIGHT FRONT FLIPPER &			
				HOOK & LINE				LEFT & RIGHT REAR FLIPPERS; MORTALITY (ANIMAL DIED IN			
2009 6	9	6/9/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P1	NA
2009 0	3	0/3/2003	CALIFORNIA SEA LION	FISHERT	JANTA CRUZ	CA	JI	LIVE STRANDING; FISH HOOK IN LEFT VENTRAL SHOULDER	DEAD	L1	INA
				HOOK & LINE							
2009 6	10	6/10/2009	CALIFORNIA CEA LION	FISHERY	SANTA CRUZ	CA	NSI	AREA; NON-FATAL INJURY (ANIMAL RELEASED FROM	NSI	P5C	NA
2009 6	10	6/10/2009	CALIFORNIA SEA LION		SANTA CRUZ	CA	INSI	REHAB)	INSI	PSC	NA
2000 6	4.0	C /4 C /2000		HOOK & LINE	C44174 CD117			LIVE STRANDING; FISH HOOK IN BOTH LIPS; NON-FATAL	NG	250	
2009 6	10	6/10/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
								LIVE STRANDING; MORTALITY (NECROPSY REVEALED			
		- / /		HOOK & LINE				FISHING LURE IN STOMACH; CAUSE OF DEATH =			
2009 6	10	6/10/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	MALNUTRITION & LYMPH NODE ABSCESS)	DEAD	P2	NA
								THE STRANGING FIGURE OF THE STRANGE AND A SECOND COMMENTS.			
		- / /		HOOK & LINE				LIVE STRANDING; FISH HOOK IN LOWER LEFT JAW; NON-			
2009 6	12	6/12/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
		- / /		POWER PLANT							
2009 6	12	6/12/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
							DEAD STRANDING; GILLNET FRAGMENT AROUND NECK;				
								CARCASS EXAMINED BY CHANNEL ISLANDS MARINE &			
2009 6	13	6/13/2009	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	DEAD	WILDLIFE INSTITUTE PERSONNEL	DEAD	P8A	NA
								LIVE STRANDING; FISH HOOK WITH LINE ATTACHED IN LEFT			
				HOOK & LINE				SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED			
2009 6	13	6/13/2009	CALIFORNIA SEA LION	FISHERY	VENTURA	CA	SI	FROM REHAB)	NSI	P5C	NA
								LIVE STRANDING; 10 FISH HOOKS WITH ATTACHED LINE & 3			
								POUND WEIGHT IN & WRAPPED AROUND FLIPPERS, CHEST			
				HOOK & LINE				& BACK; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009 6	13	6/13/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	REHAB)	NSI	P5C	NA
								LIVE STRANDING; TREBLE FISH HOOK IN RIGHT CHEEK; NON-			
				HOOK & LINE				FATAL INJURY (HOOK REMOVED & ANIMAL RELEASED ON			
2009 6	13	6/13/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	SITE)	NSI	P5C	NA
								LIVE STRANDING; GILLNET FRAGMENT AROUND NECK;			
2009 6	14	6/14/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA CRUZ	CA	SI	MORTALITY (ANIMAL EUTHANIZED IN REHAB)	DEAD	P8A	NA
				HOOK & LINE				LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL			
2009 6	15	6/15/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
				HOOK & LINE				LIVE STRANDING; FISH HOOKS IN MOUTH; NON-FATAL			
2009 6	15	6/15/2009	CALIFORNIA SEA LION	FISHERY	SANTA BARBARA	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
								LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN			
								REHAB DUE TO LEFT FLIPPER ABSCESS & OSTEOMYELITIS;			
								NECROPSY REVEALED BULLET TIP IN SUBCUTANEOUS			
2009 6	16	6/16/2009	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	TISSUE ON RIGHT SIDE OF NECK)	DEAD	Р9	NA
			<u> </u>	POWER PLANT							
2009 6	19	6/19/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
			<u> </u>					FISH HOOKS, SINKERS & FLOAT WITH ATTACHED LINE IN			
				HOOK & LINE				LEFT LIP & WRAPPED AROUND MUZZLE; NON-FATAL INJURY			
2009 6	19	6/19/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	(ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
					<u> </u>					<u> </u>	
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE &			
				HOOK & LINE				SINKER IN MOUTH; MORTALITY (ANIMAL DIED IN REHAB;			
2009 6	19	6/19/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	CAUSE OF DEATH = MALNUTRITION & PNEUMONIA)	DEAD	P5A	NA
				MARINE DEBRIS				LIVE STRANDING; PACKING STRAP AROUND NECK; NON-			
2009 6	19	6/19/2009	CALIFORNIA SEA LION	ENTANGLEMENT	SANTA BARBARA	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
	_		_					<u>-</u>	_		

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year N	Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
Teal I	VIOIILII	Day	Date	Species	interaction type	County.Locale	JIAIL	Assessment	DEAD STRANDING; 3 CENTIMETER DIAMETER HOLE IN	Assessment	Assessment	value
									VENTRAL THORAX EXTENDING 7 CENTIMETERS,			
									PENETRATING LUNG; hemorrhage IN MUSCLE			
									SURROUNDING WOUND; CARCASS EXAMINED BY SWFSC			
2009	6	20	6/20/2009	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	DEAD	PERSONNEL	DEAD	NA	NA
									LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB;			
									NECROPSY REVEALED 4 SMALL SHOTGUN PELLETS JUST			
									UNDER SKIN ON RIGHT SIDE OF ABDOMEN; CAUSE OF			
2009	6	20	6/20/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	DEATH = NEOPLASIA WITH METASTASIS)	DEAD	P12	NA
									DEAD STRANDING; METAL DETECTOR SCANNED POSITIVE;			
									CARCASS EXAMINED BY CHANNEL ISLANDS MARINE &			
2009	6	20	6/20/2009	CALIFORNIA SEA LION	SHOOTING	VENTURA	CA	DEAD	WILDLIFE INSTITUTE PERSONNEL	DEAD	NA	NA
									LIVE STRANDING; GILLNET FRAGMENT AROUND NECK;			
									MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH =			
2009	6	20	6/20/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN MATEO	CA	SI	PERFORATED ULCER, PERITONITIS & MALNUTRITION)	DEAD	P8A	NA
									LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2009	6	21	6/21/2009	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
									LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2009	6	21	6/21/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN MATEO	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
2009	0	21	0/21/2009	CALIFORNIA SEA LION	GILLINET FISHERT	SAIN IVIATEO	CA	31	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK & IN	INSI	F/D	INA
									MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF			
									DEATH = MALNUTRITION, PERFORATED ULCER &			
2009	6	21	6/21/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	SEPTICEMIA)	DEAD	P8A	NA
					GILLNET							
					FISHERY/MARINE				LIVE STRANDING; OLD ENTANGLEMENT WOUND ON NECK,			
					DEBRIS				NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL			
2009	6	21	6/21/2009	CALIFORNIA SEA LION		SANTA BARBARA	CA	NSI	RELEASED FROM REHAB)	NSI	P9	NA
2000	_	24	c /24 /2000	CALIFORNIA CEA LION	HOOK & LINE	CANITA DADDADA	C4	CI.	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL	NCI	DEC	***
2009	6	21	6/21/2009	CALIFORNIA SEA LION	FISHERY	SANTA BARBARA	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
									LIVE STRANDING; FISHING LURE WITH ATTACHED LINE IN			
									HIND QUARTERS; MORTALITY (ANIMAL DIED IN REHAB;			
					HOOK & LINE				NECROPSY REVEALED SMALL FISH HOOK & FISHING LINE IN			
2009	6	24	6/24/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA
									,			
									LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
					HOOK & LINE				MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF			
2009	6	25	6/25/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	DEATH = MALNUTRITION & VERMINOUS PNEUMONIA)	DEAD	P5A	NA
									LIVE STRANDING; FISH HOOK IN EAR, TWO FISH HOOKS IN			
									REAR FLIPPERS; MORTALITY (ANIMAL EUTHANIZED IN			
					HOOK & LINE				REHAB DUE TO HYPOGLYCEMIA, PNEUMONIA, LUNGWORM			
2009	6	26	6/26/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	INFESTATION & SEVERE MALNUTRITION)	DEAD	P1	NA
2003		20	5, 20, 2003	S. I.II OMNIA SEA LION	HISHERI	OWNINGE	CA	51	LIVE STRANDING; FISH HOOK WITH ATTACHED SINKER IN	DEAD	1.1	190
					HOOK & LINE				MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009	6	26	6/26/2009	CALIFORNIA SEA LION	FISHERY	SAN FRANCISCO	CA	SI	REHAB)	NSI	P5C	NA
				<u> </u>							<u> </u>	
									LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB;			
	_		-1/		HOOK & LINE		_	_	NECROPSY REVEALED FISH HOOK & FISHING LINE IN			
2009	6	26	6/26/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month Da	ıy [Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								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 & MEDIALLY & TO LEFT SIDE OF SKULL; BONE			
								FRAGMENTS WERE PALPABLE AROUND FRONTAL SINUS			
								AREA & PENETRATED INTO BRAIN; BRUISED HEAD			
								MUSCULATURE; RADIOGRAPHS REVEALED NO FRACTURES			
2000 6 2=		7 (2000		BLUNT FORCE	100 11105150		61	OR FOREIGN BODIES; CAUSE OF DEATH = BLUNT FORCE	5545		
2009 6 27	7 6/2	7/2009	CALIFORNIA SEA LION	TRAUMA	LOS ANGELES	CA	SI	TRAUMA TO HEAD)	DEAD	P9	NA
								LIVE STRANDING; BLUE FLASHER FISHING LURE IN MOUTH;			
				HOOK & LINE				MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH =			
2009 6 27	7 6/2	7/2009	CALIFORNIA SEA LION	FISHERY	SAN LUIS OBISPO	CA	SI	MALNUTRITION & VERMINOUS PNEUMONIA)	DEAD	P2	NA
2005 0 27	0,2	.7/2003	CALII OMNIA SEA EION	HISHEIN	SAIV EOIS OBISI O	CA .	31	LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN	DEAD	12	INA
								REHAB DUE TO BACTERIAL PNEUMONIA, PLEURITIS &			
								LEPTOSPIROSIS; NECROPSY REVEALED FREE FLOATING			
								PELLET IN STOMACH & PELLET IN SKELETAL MUSCLE OF			
2009 6 27	7 6/2	7/2009	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	RIGHT SCAPULA)	DEAD	P12	NA
								LIVE STRANDING; FISH HOOK IN BACK; MORTALITY (ANIMAL			
				HOOK & LINE				DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION,			
2009 6 27	7 6/2	7/2009	CALIFORNIA SEA LION	FISHERY	MARIN	CA	NSI	ABSCESS & PNEUMONIA)	DEAD	P9	NA
								·			
							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			
				HOOK & LINE				OR OBSTRUCTION; CAUSE OF DEATH = EMACIATION,			
2009 6 28	8 6/2	8/2009	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	SI	DEHYDRATION & HYPOGLYCEMIA)	DEAD	P2	NA
								LIVE CTRANSPING, OLD HEALED CHANET MOUND ON NECK			
								LIVE STRANDING; OLD HEALED GILLNET WOUND ON NECK,			
2009 6 28	0 6/2	8/2009	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	NSI	NO GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL CAPTURED & RELOCATED TO LESS POPULATED BEACH)	NSI	P1	NA
2009 6 28	5 0/2	.8/2009	CALIFORNIA SEA LION	GILLINET FISHERT	VENTURA	CA	IVSI	CAPTURED & RELOCATED TO LESS POPULATED BEACH)	INSI	P1	INA
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
								FLIPPER; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY			
				HOOK & LINE				REVEALED MULTIPLE FISH HOOKS & LINE IN STOMACH;			
2009 6 28	8 6/2	8/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	CAUSE OF DEATH = PLEURITIS & MALNUTRITION)	DEAD	P2	NA
								LIVE STRANDING; THIN BLACK RUBBER CORD AROUND			
				MARINE DEBRIS				NECK; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF			
2009 6 28	8 6/2	8/2009	CALIFORNIA SEA LION		SAN FRANCISCO	CA	SI	DEATH = PERITONITIS & PERFORATED ULCER)	DEAD	P8A	NA
				HOOK & LINE				LIVE STRANDING; FISH HOOK IN LOWER LIP; NON-FATAL			
2009 6 28	8 6/2	8/2009	CALIFORNIA SEA LION	FISHERY	SANTA BARBARA	CA	NSI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
								LIVE STRANDING; FISH HOOKS IN RIGHT JAW & OVER RIGHT			
								EYE; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY			
				HOOK & LINE				REVEALED FISH HOOK WITH ATTACHED LINE IN STOMACH, NOT EMBEDDED; CAUSE OF DEATH = FISH HOOK INGESTION			
2009 6 29	a 6/2	9/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	& ABSCESSATION)	DEAD	P2	NA
2000 0 25	0/2	.5/2003	CALII ONNIA SEA LIUN	HOOK & LINE	LOS MINGELES	CA.	31	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL	DLAD	r4	INA
2009 6 29	9 6/2	9/2009	CALIFORNIA SEA LION	FISHERY	VENTURA	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
2000 0 23	. 0/2	.5/2003	C. ILII OMNIA JEA LION	HOHEIM	VEITTORA	C/1	JI	LIVE STRANDING; FISH HOOK IN UPPER LIP, TWO FISH	1431	130	INA
				HOOK & LINE				HOOKS IN LEFT FRONT FLIPPER; NON-FATAL INJURY			
2009 6 29	9 6/2	9/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	NSI	(ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
0 23	. 0,2	.,						LIVE STRANDING; FISHING LURE WITH ATTACHED LINE IN		. 30	
				HOOK & LINE				RIGHT SIDE OF MOUTH; MORTALITY (ANIMAL DIED IN			
2009 7 1	7/1	1/2009	CALIFORNIA SEA LION	FISHERY	SAN FRANCISCO	CA	SI	REHAB; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA
							-				

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

						Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
			HOOK & LINE				LIVE CTRANDING, FIGURIOON IN LEFT DEAD FURDED, NON			
2009 7 1	7/1/200	9 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	NA
2003 , 1	7/1/200	O CALLO CALLANT SERVEROR	HOOK & LINE		U. C	113.	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL		130	
2009 7 2	7/2/200	9 CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
							LIVE STRANDING; FISH HOOK IN MOUTH; MORTALITY			
			HOOK & LINE				(ANIMAL EUTHANIZED IN REHAB DUE TO MASSIVE SHARK			
2009 7 2	7/2/200	9 CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	BITE WOUND TO ABDOMEN)	DEAD	P9	NA
							THE STRANGING AGOSTALITY (ANIMAL) DIED IN DELLAR			
			HOOK & LINE				LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED FISH HOOK & FISHING LINE IN			
2009 7 2	7/2/200	9 CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA
2009 / 2	7/2/200	5 CALIFORNIA SEA LION	HOOK & LINE	SAINTA CRUZ	CA	31	LIVE STRANDING; MULTIPLE FISH HOOKS IN MOUTH; NON-	DEAD	FZ.	INA
2009 7 2	7/2/200	9 CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	FATAL INURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
	.,_,_,						LIVE STRANDING; MULTIPLE FISH HOOKS IN MOUTH;			
			HOOK & LINE				MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH =			
2009 7 3	7/3/200	9 CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	PNEUMONIA)	DEAD	P5A	NA
							LIVE STRANDING; FISH HOOKS IN MOUTH, CHEEK & REAR			
			HOOK & LINE				FLIPPERS; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF			
2009 7 3	7/3/200	9 CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	DEATH = MALNUTRITION)	DEAD	P5A	NA
2000 7 2	7/0/000		HOOK & LINE			61	LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL		250	
2009 7 3	7/3/200	9 CALIFORNIA SEA LION	FISHERY	SANTA BARBARA	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB) LIVE STRANDING; FISHING LURE WITH ATTACHED LINE IN	NSI	P5C	NA
			HOOK & LINE				LEFT UPPER LIP; MORTALITY (ANIMAL DIED IN REHAB;			
2009 7 4	7/4/200	9 CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA
2003 7 4	7/4/200	CALII OMINA SEA EION	HOHERI	WONTERE	CA	31	CAUSE OF BEATH - MACHOTHITON	DEAD	12	1474
							LIVE STRANDING; FISH HOOKS IN MOUTH & FLIPPERS;			
							MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED			
			HOOK & LINE				FISH HOOK & FISHING LINE IN ESOPHAGUS; CAUSE OF			
2009 7 4	7/4/200	9 CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	DEATH = PNEUMONIA & PYOTHORAX)	DEAD	P2	NA
							LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN			
							LEFT SIDE OF NECK & REAR FLIPPER; MORTALITY (ANIMAL			
			HOOK & LINE				EUTHANIZED IN REHAB; NECROPSY REVEALED 10 CENTIMETER DIAMETER BUNCHING OF FISHING LINE IN			
2009 7 4	7/4/200	9 CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	STOMACH RESULTING IN GASTRIC IMPACTION)	DEAD	P2	NA
2003 / 1	77 17200	O CALLO CHANGE CALLORS	T ISTILLIT	57117171 01102	C/ (STORMAGN RESOLUTION ON GROWING HIM PROTECTION)	52,10		
							LIVE STRANDING; GILLNET FRAGMENT EMBEDDED IN HEAD;			
							NON-FATAL INJURY (ANIMAL PERMANENTLY TRANSFERRED			
2009 7 5	7/5/200	9 CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	TO U.S. NAVY MARINE MAMMAL PROGRAM)	CAPTIVITY	P8A	NA
							LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB;			
2000 7 5	7/5/200		HOOK & LINE	MANTEREN		61	NECROPSY REVEALED FISH HOOK & FISHING LINE IN	2542		
2009 7 5	7/5/200	9 CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA
							LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT			
			HOOK & LINE				SIDE OF BODY; MORTALITY (ANIMAL DIED IN REHAB; CAUSE			
2009 7 5	7/5/200	9 CALIFORNIA SEA LION	FISHERY	SAN LUIS OBISPO	CA	NSI	OF DEATH = VERMINOUS PNEUMONIA & MALNUTRITION)	DEAD	P9	NA
	.,,,,,,,,									
							LIVE STRANDING; FISHING LURE WITH ATTACHED FLOAT &			
							LINE IN MOUTH; FISH HOOKS IN RIGHT FRONT FLIPPER,			
			HOOK & LINE				RIGHT REAR FLIPPER & LEFT REAR FLIPPER; NON-FATAL			
2009 7 5	7/5/200	9 CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	NSI	INJURY (ANIMAL RELEASED FROM REHAB)	SI	P2	NA
							LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
2000 7 6	7/6/200	O CALIFORNIA CEATION	HOOK & LINE	LOC ANGELES	C4	C.	MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM	NCI	DEC	
2009 7 6	7/6/200	9 CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	REHAB)	NSI	P5C	NA
			HOOK & LINE				LIVE STRANDING; FISH HOOK IN LOWER LEFT LIP; NON-			
2009 7 6	7/6/200	9 CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
	. , 0, 200	S. L. S. HIN SER LION	JIIEM	2007102220		1451	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN		. 30	. 1/1
			HOOK & LINE				RIGHT REAR HIP AREA; NON-FATAL INJURY (ANIMAL			
2009 7 6	7/6/200	9 CALIFORNIA SEA LION	FISHERY	SAN LUIS OBISPO	CA	NSI	RELEASED FROM REHAB)	NSI	P5C	NA
			_					_		

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , , , , , , , , , , , , , , , , , ,			LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
				HOOK & LINE				RIGHT FRONT FLIPPER; NON-FATAL INJURY (ANIMAL			
2009 7	6	7/6/2009	CALIFORNIA SEA LION	FISHERY	SAN LUIS OBISPO	CA	NSI	RELEASED FROM REHAB)	NSI	P5C	NA
								LIVE STRANDING; GILLNET FRAGEMENT AROUND NECK;			
2009 7	7	7/7/2009	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	SI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
								LIVE STRANDING; SMALL FISH HOOK IN RIGHT SIDE OF			
				HOOK & LINE				BODY; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009 7	7	7/7/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	NSI	REHAB)	NSI	P5C	NA
								LIVE STRANDING; FISH HOOK IN LEFT EYELID; MORTALITY			
				HOOK & LINE				(ANIMAL DIED IN REHAB FROM PERFORATED EYE CAUSED			
2009 7	7	7/7/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	BY ABRASION FROM FISH HOOK & RESULTING INFECTION)	DEAD	P5B	NA
								LIVE STRANDING; SMALL FISH HOOK WITH ATTACHED LINE			
								IN LEFT CHEEK, FISHING LINE WRAPPED AROUND HEAD			
	_	_ /- /		HOOK & LINE				BETWEEN EYES & NOSE; NON-FATAL INJURY (ANIMAL			
2009 7	7	7/7/2009	CALIFORNIA SEA LION	FISHERY	SAN LUIS OBISPO	CA	SI	RELEASED FROM REHAB)	NSI	P5C	NA
								LIVE STRANDING; FISH HOOK IN LIP; MORTALITY (ANIMAL			
								DIED IN REHAB; CAUSE OF DEATH = SEPTICEMIA			
				HOOK & LINE				ASSOCIATED WITH SUBCUTANEOUS ABSCESS ALONG LEFT			
2009 7	8	7/8/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	SIDE OF BODY WALL & MALNUTRITION)	DEAD	NA	NA
								LIVE STRANDING; TWO FISH HOOKS IN BASE OF TAIL & LEFT FRONT FLIPPER, ANOTHER FISH HOOK REMOVED FROM STOMACH THROUGH ENDOSCOPY; MORTALITY (ANIMAL			
2000 7	0	7/0/2000	CALIFORNIA CEA LION	HOOK & LINE	CANTA CDUZ	C4	61	DIED IN REHAB; CAUSE OF DEATH = MALNUTRITION &	DEAD	D2	
2009 7	8	7/8/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	VERMINOUS PNEUMONIA)	DEAD	P2	NA
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 (AMIMAL RELEASED FROM REHAB)	NSI	P5C	NA
				HOOK & LINE				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			
2009 7	8	7/8/2009	CALIFORNIA SEA LION	FISHERY	SAN MATEO	CA	SI	FISHING GEAR INGESTION)	DEAD	P2	NA
								LIVE STRANDING; RUBBER FISHING LURE WITH ATTACHED			
	_	_ /- /		HOOK & LINE				LINE IN MOUTH; NON-FATAL INJURY (ANIMAL RELEASED			
2009 7	8	7/8/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	FROM REHAB)	SI	P2	NA
2000 7		7/8/2000	CALIFORNIA SEA LION	HOOK & LINE	CANIMATEO	C A	e.	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED TWO FISH HOOKS WITH ATTACHED LINE IN ESPOHAGUS & DUODENUM; CAUSE OF DEATH = MALNUTRITION, PERITONITIS & SEPTICEMIA POSSIBLY ASSOCIATED WITH LEGISLING CEAN INCESTION.	DEAD	22	NA
2009 7	8	7/8/2009	CALIFORNIA SEA LION	FISHERY	SAN MATEO	CA	SI	ASSOCIATED WITH FISHING GEAR INGESTION)	DEAD	P2	NA
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	NA
		. 10,2003	55. O	110112111	5,111,710,102	<u> </u>	<u>. </u>	LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB;	52.15		
				MARINE DEBRIS				NECROPSY REVEALED ELASTIC BAND IN STOMACH; CAUSE			
2009 7	10	7/10/2009	CALIFORNIA SEA LION	INGESTION	SAN FRANCISCO	CA	SI	OF DEATH = MALNUTRITION)	DEAD	P2	NA
								LIVE STRANDING; LIGHT GREEN GILLNET FRAGMENT			
2000 -	40	7/42/2057					6.	AROUND NECK; NON-FATAL INJURY (ANIMAL RELEASED		070	
2009 7	12	7/12/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	FROM REHAB) LIVE STRANDING; PINK GILLNET FRAGMENT AROUND NECK, CUTTING INTO TRACHEA; MORTALITY (ANIMAL	NSI	P7B	NA
2009 7	12	7/12/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	EUTHANIZED IN REHAB)	DEAD	P8A	NA
	_			·	·	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								LIVE STRANDING; MULTIPLE FISH HOOKS WITH ATTACHED			
				HOOK & LINE				LINE IN MOUTH, SHOULDER & FLIPPERS; NON-FATAL			
2009 7	12	7/12/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
2009 /	12	7/12/2009	CALIFORNIA SEA LION	FISHERI	SAINTA CRUZ	CA	31	LIVE STRANDING; RADIOGRAPHS REVEALED 4 BULLET	INSI	FJC	INA
								FRAGMENTS IN SHOULDER REGION; NON-FATAL INJURY			
								(ANIMAL RELEASED FROM REHAB WITH BULLET			
2009 7	13	7/13/2009	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	NSI	FRAGMENTS INTACT)	NSI	P9	NA
2009 /	13	7/13/2009	CALIFORNIA SEA LION	300011110	MONTERET	CA	IVSI	FRAGINENTS INTACT)	INSI	ГЭ	INA
								LIVE STRANDING; FISHING LINE HANGING FROM MOUTH,			
								THREE FISH HOOKS REMOVED FROM INSIDE THROAT			
		_ / /		HOOK & LINE				THROUGH ENDOSCOPY; MORTALITY (ANIMAL DIED IN			
2009 7	13	7/13/2009	CALIFORNIA SEA LION	FISHERY	MARIN	CA	SI	REHAB; CAUSE OF DEATH = UNKNOWN)	DEAD	P2	NA
								LIVE CTRANSING, FIGURIOON WITH ATTACHED LINE IN LEFT			
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT			
								FRONT FLIPPER; MORTALITY (ANIMAL DIED IN REHAB;			
								NECROPSY REVEALED TREBLE HOOKS & WEIGHTS IN			
				HOOK & LINE				ESOPHAGUS & STOMACH; CAUSE OF DEATH = SEPTICEMIA			
2009 7	14	7/14/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	RELATED TO FISHING GEAR INGESTION)	DEAD	P2	NA
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
				HOOK & LINE				MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009 7	15	7/15/2009	CALIFORNIA SEA LION	FISHERY	SONOMA	CA	SI	REHAB)	NSI	P5C	NA
								·			
								LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN			
								MOUTH & LEFT FRONT FLIPPER, ANOTHER FISH HOOK			
				HOOK & LINE				REMOVED FROM STOMACH THROUGH ENDOSCOPY; NON-			
2009 7	15	7/15/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
2003 7	15	7/15/2005	CALIFORNIA SEA LION	HISHIER	SAITTA CROZ	CA	J1	LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN	1451	130	1474
							NOSE & BACK, FISHING LINE WOUND LOOSELY AROUND				
				HOOK & LINE							
		_ / /		HOOK & LINE				NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009 7	15	7/15/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	NSI	REHAB)	NSI	P5C	NA
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
								NECK, FISHING LINE LOOSELY WOUND AROUND NECK;			
				HOOK & LINE				MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH =			
2009 7	16	7/16/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	NSI	VERMINOUS PNEUMONIA)	DEAD	P5C	NA
								LIVE STRANDING; FISH HOOK IN MOUTH; MORTALITY			
								(ANIMAL DIED IN REHAB; NECROPSY REVEALED			
				HOOK & LINE				ADDITIONAL FISH HOOKS IN STOMACH; CAUSE OF DEATH =			
2009 7	17	7/17/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	MALNUTRITION)	DEAD	P2	NA
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT			
				HOOK & LINE				REAR FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED			
2009 7	18	7/18/2009	CALIFORNIA SEA LION	FISHERY	SAN LUIS OBISPO	CA	NSI	FROM REHAB)	NSI	P5C	NA
2003 7	10	7/18/2003	CALII ORINIA SLA LION	HOHEKI	SAIN LOIS OBISEO	CA .	1431	LIVE STRANDING; FISH HOOK IN NOSE; MORTALITY	INSI	rac	IVA
				HOOK & LINE				(ANIMAL DIED IN REHAB; CAUSE OF DEATH = PNEUMONIA			
2000 7	10	7/40/2000	CALIFORNIA CEA LION		MONTEDEV		CI		DEAD	DED	
2009 7	18	7/18/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	& MALNUTRITION)	DEAD	P5B	NA
2000 -	10	7/40/2000	CALIFORNIA CEALUCII	POWER PLANT	CANIFICO	64	D5.5	CARCACC EL CATINIC IN DOLVES SUANT INTERES SUAVENTE	DE**	A	
2009 7	19	7/19/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
								LIVE STRANDING; FISH HOOK IN CORNER OF MOUTH;			
								MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH =			
				HOOK & LINE				MALNUTRITION & SEVERE PULMONARY &			
2009 7	19	7/19/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	GASTROINTESTINAL PARASITISM)	DEAD	P5A	NA
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN REAR			
				HOOK & LINE				FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009 7	19	7/19/2009	CALIFORNIA SEA LION	FISHERY	SAN MATEO	CA	NSI	REHAB)	NSI	P5C	NA
				MARINE DEBRIS				LIVE STRANDING; THIN WHITE PACKING STRAP AROUND			
2009 7	19	7/19/2009	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	NECK; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P8A	NA
			-					,			
								LIVE STRANDING; GILLNET FRAGMENT AROUNND NECK;			
2009 7	19	7/19/2009	CALIFORNIA SEA LION	GILLNET EISHEDV	SANTA BARBARA	CA	SI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
2003 /	13	1/13/2003	CALII ONNIA JEA LION	GILLINET FIGHTERT	JANTA DANDANA	CA	JI	LIVE STRANDING; FISHING LURE WITH ATTACHED LINE IN	IVJI	F / U	IVA
				HOOK & LIVIE							
2000 7	20	7/20/2000	CALIFORNIA CEA ::CS:	HOOK & LINE	MONTEDEY		61	MOUTH; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF	DEAD	D2	
2009 7	20	7/20/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	DEATH = MALNUTRITION)	DEAD	P2	NA

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Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
				71	,	-		LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT			
				HOOK & LINE				SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL RELEASED			
2009 7	20	7/20/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	FROM REHAB)	NSI	P5C	NA
								LIVE STRANDING; PINK GILLNET FRAGMENT AROUND NECK			
2009 7	20	7/20/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	& EARS; MORTALITY (ANIMAL DIED IN REHAB)	DEAD	P8A	NA
				HOOK & LINE				LIVE STRANDING; FISH HOOK IN MOUTH; NON-FATAL			
2009 7	21	7/21/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
								LIVE STRANDING; FISH HOOKS WITH ATTACHED LINE IN			
				HOOK & LINE				RIGHT SIDE OF MOUTH; NON-FATAL INJURY (ANIMAL			
2009 7	21	7/21/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	RELEASED FROM REHAB)	NSI	P5C	NA
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE &			
				HOOK & LINE				SWIVEL IN OUTER LIP; NON-FATAL INJURY (FISHING GEAR			
2009 7	24	7/24/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	NSI	REMOVED & ANIMAL RELEASED ON SITE)	NSI	P5C	NA
				HOOK & LINE				LIVE STRANDING; FISH HOOK IN LEFT DORSUM; NON-FATAL			
2009 7	25	7/25/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	NSI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
								LIVE STRANDING; GUNSHOT WOUND TO LEFT FRONT			
								FLIPPER; MORTALITY (EUTHANIZED IN REHAB DUE TO			
2009 7	26	7/26/2009	CALIFORNIA SEA LION	SHOOTING	HUMBOLDT	CA	SI	GUNSHOT WOUND)	DEAD	P9	NA
								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			
				SHOOTING/SPEARI				SKULL BEHIND EAR; RADIOGRAPHS SHOWED NO EVIDENCE			
2009 7	26	7/26/2009	CALIFORNIA SEA LION	NG	LOS ANGELES	CA	SI	OF FOREIGN BODY IN SKULL; NO EXIT WOUND FOUND)	DEAD	P9	NA
								CARCASS IN MIDDLE OF ROAD; CARCASS EXAMINED BY HSU-			
2009 7	26	7/26/2009	CALIFORNIA SEA LION	CAR COLLISION	HUMBOLDT	CA	DEAD	VM PERSONNEL	DEAD	NA	NA
								LIVE CTRANDING, MORTALITY (ANIMAL FLITHANIZED IN			
				LIOOK O LINE				LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN			
2000 7	20	7/26/2000	CALIFORNIA CEA LION	HOOK & LINE	MONTEDEV	C4	CI.	REHAB DUE TO VERMINOUS PNEUMONIA; NECROPSY	DEAD	D2	
2009 7	26	7/26/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	REVEALED FISH HOOK & FISHING LINE IN STOMACH)	DEAD	P2	NA
				LIOOK O LINE				LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB;			
2000 7	26	7/26/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	NECROPSY REVEALED FISH HOOK & LINE IN STOMACH; CAUSE OF DEATH = MALNUTRITION)	DEAD	P2	NA
2009 7	26	7/26/2009	CALIFORNIA SEA LION	FISHERT	SANTA CRUZ	CA	31	CAUSE OF DEATH = MALNOTRITION)	DEAD	PZ	INA
								LIVE STRANDING; GILLNET FRAGMENT AROUND NECK;			
								MORTALITY (ANIMAL DIED DURING TRANSPORT TO REHAB;			
								PRIMARY CAUSE OF DEATH = PNEUMONIA, SECONDARY			
2009 7	26	7/26/2009	CALIFORNIA SEA LION	CILL NET EICHEDV	SANTA BARBARA	CA	SI	CAUSE OF DEATH = ENTANGLEMENT)	DEAD	P8A	NA
2009 /	20	7/20/2009	CALIFORNIA SEA LION	GILLINET FISHERT	JANTA BANDANA	CA	JI	CAUSE OF DEATH - ENTANGLEMENT)	DEAD	FOM	INA
				HOOK & LINE				LIVE STRANDING; SMALL GOLD FISH HOOK IN TOP OF NOSE;			
2009 7	28	7/28/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	NSI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
2003 7	20	772072003	CALII OMNIA SEA EION	HISHERN	SAITTA CROZ	CA	1451	LIVE STRANDING; FISH HOOKS IN MOUTH & LEFT FRONT	1451	130	14/4
				HOOK & LINE				FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009 7	28	7/28/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	REHAB)	NSI	P5C	NA
2003		7,20,2003	CALL CHANGE LEGIT	1.01.2.11	57.117.1 61.102			LIVE STRANDING; ANIMAL ENTANGLED IN MASS OF FISH	.15.		
								HOOKS, FISHING LINE, WEIGHTS & PINK BEADS; ALL GEAR			
				HOOK & LINE				FELL OFF ANIMAL DURING RETRIEVAL; NON-FATAL INJURY			
2009 7	30	7/30/2009	CALIFORNIA SEA LION	FISHERY	SAN FRANCISCO	CA	NSI	(ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
	30	.,50,2005	52.1 G.1.1.1.1.1.5.2.1.E.1.G.14		2	<u> </u>		· · · · · · · · · · · · · · · · · · ·		. 55	
				HOOK & LINE				LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LIP;			
2009 7	31	7/31/2009	CALIFORNIA SEA LION	FISHERY	SAN MATEO	CA	NSI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
		.,01,2000	52.1 G.1.1.1.1.1.5.2.1.E.1.G.14		2, 11, 11, 11, 12, 12	<u> </u>		REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON		. 55	
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2009 8	24	8/24/2009	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
		5,2.,2000	52.1 G.1.1.1.1.1.5.2.1.E.1.G.14		222011DII (111 VEI	••••	,	LIVE STRANDING; BROKEN BONE PROTRUDING FROM	22.12		
								RIGHT FRONT FLIPPER; MORTALITY (ANIMAL DIED IN			
								REHAB; RADIOGRAPHS REVEALED BULLETS & SHOT GUN			
2009 8	1	8/1/2009	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	PELLETS IN HEAD & RIGHT FRONT FLIPPER)	DEAD	P9	NA
		-, -,									

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Vara Marak	D	Data	Sanata	luka arakia a Tana	Country Locale	CTATE	Initial Injury	Community	Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments DEAD STRANDING; METAL DETECTOR SCANNED POSITIVE;	Assessment	Assessment	Value
								CARCASS EXAMINED BY CHANNEL ISLANDS MARINE &			
2009 8	2	8/2/2009	CALIFORNIA SEA LION	SHOOTING	VENTURA	CA	DEAD	WILDLIFE INSTITUTE PERSONNEL	DEAD	NA	NA
								LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB;			
								NECROPSY REVEALED FISH HOOK WITH ATTACHED LINE IN			
				HOOK & LINE				STOMACH; CAUSE OF DEATH = MALNUTRITION &			
2009 8	2	8/2/2009	CALIFORNIA SEA LION	FISHERY	SAN FRANCISCO	CA	SI	SEPTICEMIA)	DEAD	P2	NA
				HOOK & LINE				LIVE STRANDING; FISH HOOK IN RIGHT CORNER OF MOUTH;			
2009 8	3	8/3/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
								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			
2009 8	3	8/3/2009	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI	RELEASED FROM REHAB WITH PELLETS INTACT)	NSI	Р9	NA
2003 0		0/3/2003	CALIFORNIA SEA LION	HOOK & LINE	WONTERET	C/A	31	LIVE STRANDING; FISH HOOK IN RIGHT EAR; NON-FATAL	1451		IVA
2009 8	4	8/4/2009	CALIFORNIA SEA LION	FISHERY	DEL NORTE	CA	NSI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
								DEAD STRANDING; GUNSHOT WOUNDS TO JAW & HEAD			
								(BULLET HOLE IN MAXILLA, BULLET HOLE IN CRANIUM);			
2009 8	4	8/4/2009	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	DEAD	CARCASS EXAMINED BY CAS PERSONNEL	DEAD	NA	NA
								LIVE STRANDING; RUBBER FISH-SHAPED FISHING LURE			
				HOOK & LINE				WITH ATTACHED LINE IN MOUTH; NON-FATAL INJURY			
2009 8	6	8/6/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	(ANIMAL RELEASED FROM REHAB)	SI	P2	NA
2009 8	8 7 8/7/2009 CALIFORNIA SEA LI	0/7/2000	CALIFORNIA CEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	NSI	LIVE STRANDING; FISH HOOK IN NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
2009 8		CALIFORNIA SEA LION	FISHERI	SANTA CRUZ	CA	INSI	(ANIMAL RELEASED FROM REHAB)	IVSI	F3C	INA	
								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			
2009 8	9	8/9/2009	CALIFORNIA SEA LION	SHOOTING	SAN FRANCISCO	CA	SI	EXTRACTED FROM EYE DURING NECROPSY)	DEAD	P9	NA
2000 0		0/0/2000	CALIFORNIA CEA LION	HOOK & LINE	CANTA DADDADA	C4	CI.	LIVE STRANDING; FISH HOOKS IN MOUTH; NON-FATAL	NCI	DEC	N.A.
2009 8	9	8/9/2009	CALIFORNIA SEA LION	FISHERY	SANTA BARBARA	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
								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			
				HOOK & LINE				MIDWAY DOWN ESOPHAGUS WITH 37 CENTIMETERS OF			
2009 8	10	8/10/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	ATTACHED LINE)	DEAD	P2	NA
								LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB;			
								NECROPSY REVEALED PELLETS IN LEFT THORAX; CAUSE OF			
2009 8	10	8/10/2009	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	DEATH = MALNUTRITION & VERMINOUS PNEUMONIA)	DEAD	P12	NA
								·			
								LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB;			
								RADIOGRAPHS REVEALED PELLETS UNDER SKIN IN CHEST &			
2000 0		0/44/0055		SUBSTILLS				IN RIGHT REAR FLIPPER; CAUSE OF DEATH = VERMINOUS	2512	242	
2009 8	11	8/11/2009	CALIFORNIA SEA LION	SHOOTING	MARIN	CA	SI	PNEUMONIA & MALNUTRITION) DEAD STRANDING; GUNSHOT-LIKE WOUND TO ABDOMEN;	DEAD	P12	NA
2009 8	12	8/12/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	DEAD	REPORT RECEIVED VIA PRIVATE CITIZEN	DEAD	NA	NA
		J, 12, 2000	52. O (SET EIGH	5556		<u></u>	52.15	THE THE THE THE STREET	55.15		
				MARINE DEBRIS				LIVE STRANDING; PACKING STRAP AROUND NECK; NON-			
2009 8	12	8/12/2009	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
- <u></u> -								DEAD STRANDING; GUNSHOT WOUNDS TO HEAD (BULLET			
								HOLES IN CRANIUM); CARCASS EXAMINED BY CAS			
2009 8	14	8/14/2009	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	DEAD	PERSONNEL	DEAD	NA	NA

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Year Month Day	, Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
		•		,						
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	NA
2003 8 14	8/14/2003	CALII ORINIA SEA LION	HISHERI	WIGHTERET	- CA	1131	TATAL INDUST (ANIMAL NELLASED FROM NETIAD)	1431	130	IVA
							LIVE STRANDING; GUNSHOT WOUND TO UPPER PALATE;			
2009 8 14	8/14/2009	CALIFORNIA SEA LION	SHOOTING GILLNET	SANTA CRUZ	CA	SI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P9	NA
			FISHERY/MARINE				LIVE STRANDING; OLD ENTANGLEMENT SCAR ON NECK, NO			
			DEBRIS				GEAR ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED			
2009 8 15	8/15/2009	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	NSI	ON SITE)	NSI	P7B	NA
							LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2009 8 15	8/15/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA
2003 0 15	0/15/2005	O' LEIT O' THAT TO E T' E TO T'	OILLIVET FISHER	orrener	- Cr	<u> </u>	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT	1101	1,75	
							EYEBROW, ANOTHER FISH HOOK IN BODY; NON-FATAL			
2000 0 45	0/45/2000		HOOK & LINE	MANTEREN		61	INJURY (FISHING GEAR REMOVED & ANIMAL RELEASED ON	NG	250	
2009 8 15	8/15/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	SITE) LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB;	NSI	P5C	NA
							NECROPSY REVEALED BIRD SHOT IN THORAX AREA; CAUSE			
							OF DEATH = MALNUTRITION & INFECTION FROM LEFT			
2009 8 16	8/16/2009	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	FRONT FLIPPER ABSCESS)	DEAD	P9	NA
							LIVE STRANDING; FISHING LINE COMING FROM MOUTH;			
			HOOK & LINE				MORTALITY (ANIMAL DIED IN REHAB; NECROPSY REVEALED			
2009 8 18	8/18/2009	CALIFORNIA SEA LION	FISHERY	SAN MATEO	CA	SI	FISH HOOK IN STOMACH; CAUSE OF DEATH = UNKNOWN)	DEAD	P2	NA
							LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
			LICOV O LINE				RIGHT LOWER LIP; MORTALITY (ANIMAL DIED IN REHAB;			
2009 8 19	8/19/2009	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	CAUSE OF DEATH = MALNUTRITION & VERMINOUS PNEUMONIA)	DEAD	P5B	NA
2003 0 13	0/13/2003	CHEN CHIMIT SERVERON	TIOTIENT	57.11777 61162	C, t	<u> </u>	THE OTHER THE STATE OF THE STAT	52715	135	
							LIVE STRANDING; TREBLE HOOK WITH LINE ATTACHED IN			
2000 0 22	0/22/2000		HOOK & LINE			61	MOUTH, FISHING LINE WRAPPED AROUND REAR FLIPPERS;	NG	250	
2009 8 22	8/22/2009	CALIFORNIA SEA LION	FISHERY GILLNET	MARIN	CA	SI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB) LIVE STRANDING; OLD HEALING ENTANGLEMENT WOUND	NSI	P5C	NA
			FISHERY/MARINE				IN UPPER NECK AREA, NO GEAR ON ANIMAL, BULGE ABOVE			
			DEBRIS				WOUND; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF			
2009 8 23	8/23/2009	CALIFORNIA SEA LION	ENTANGLEMENT	SAN LUIS OBISPO	CA	NSI	DEATH = CARCINOMA)	DEAD	P9	NA
							LIVE STRANDING; FISHING LINE COMING FROM MOUTH;			
			HOOK & LINE				RADIOGRAPHS REVEALED FISH HOOK IN STOMACH; NON-			
2009 8 23	8/23/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	SI	P2	NA
,										
							LIVE STRANDING; LEFT REAR LIMB PARALYSIS; MORTALITY			
2009 8 24	8/24/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	(ANIMAL EUTHANIZED IN REHAB; RADIOGRAPHS REVEALED BULLET ADJACENT TO SPINE)	DEAD	P9	NA
2003 0 24	0/24/2003	CALII ORINIA SEA EION	POWER PLANT	LOS ANGELES	CA	31	BOLLET MOJNOCINI TO STINE)	DEAD	13	147
2009 8 25	8/25/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
							LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN			
2009 8 26	8/26/2009	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	REHAB DUE TO LEFT FRONT FLIPPER ABSCESS; NECROPSY REVEALED PELLET IN LEFT SHOULDER)	DEAD	P9	NA
2009 8 20	8/20/2009	CALIFORNIA SEA LION	SHOOTING	JANTA CRUZ	CA	31	REVEALED FELLET IN LEFT SHOOLDEN)	DEAD	ra	NA .
							DEAD STRANDING; GUNSHOT WOUNDS TO DORSAL HIND			
							END & CHEST; BULLET HOLE IN RIB; LARGE AMOUNT OF			
2000 0 20	0/20/2000	CALIFORNIA CEA LION	CHOOTING	CANIMATEO	64	DEAD	BLOOD INSIDE THORACIC & ABDOMINAL CAVITIES;	DEAD	N/A	
2009 8 30	8/30/2009	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	DEAD	CARCASS EXAMINED BY CAS PERSONNEL	DEAD	NA	NA
							LIVE STRANDING; RADIOGRAPHS REVEALED TWO PELLETS			
							IN CHEST; MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF			
2009 9 1	9/1/2009	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	DEATH = PERFORATED ULCER & PERITONITIS)	DEAD	Р9	NA
							LIVE STRANDING; BLUE GILLNET FRAGMENT AROUND NECK;			
2009 9 5	9/5/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
							•			

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
					,			LIVE STRANDING; FISH HOOK IN RIGHT REAR FLIPPER;			,
				HOOK & LINE				MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO			
2009 9	7	9/7/2009	CALIFORNIA SEA LION	FISHERY	SAN MATEO	CA	NSI	SHARK BITE WOUND TO HINDQUARTERS)	DEAD	P9	NA
								LIVE STRANDING; GUNSHOT WOUND TO SPINE; MORTALITY			
								(ANIMAL EUTHANIZED IN REHAB DUE TO LOWER BODY			
								PARALYSIS RESULTING FROM GUNSHOT WOUND; SINGLE			
2009 9	8	9/8/2009	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	BULLET FRAGMENT EXTRACTED DURING NECROPSY)	DEAD	P9	NA
								LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN			
				*******				REHAB DUE TO CHRONIC DOMOIC ACID TOXICITY;			
2000 0	42	0/42/2000	CALIFORNIA CEA LION	MARINE DEBRIS	MONTEDEV		CI.	NECROPSY REVEALED SINGLE PIECE OF BLACK PLASTIC IN	DEAD	02	
2009 9	12	9/12/2009	CALIFORNIA SEA LION	INGESTION	MONTEREY	CA	SI	STOMACH) ANIMAL CAUGHT IN NMFS SCIENTIFIC LONGLINE	DEAD	P2	NA
								RESEARCH; ANIMAL HOOKED IN LIP; LINE CUT TWELVE			
								INCHES ABOVE HOOK; ANIMAL RELEASED WITH TRAILING			
				RESEARCH				GEAR; CREW UNABLE TO REMOVE HOOK DUE TO ENERGY			
				SCIENTIFIC				LEVEL OF ANIMAL; ANIMAL SWAM AWAY STRONGLY; FINAL			
2009 9	18	9/18/2009	CALIFORNIA SEA LION	LONGLINE	SAN DIEGO	CA	NSI	STATUS UNKNOWN	NSI	P5B	NA
2003 3	10	3/18/2003	CALII OMNIA SLA LION	LONGLINE	JAN DILGO	CA .	1431	STATUS CINKINO WIN	INSI	130	INA
								LIVE STRANDING; RADIOGRAPHS REVEALED PELLETS IN			
								SKULL & RIGHT FRONT FLIPPER; MORTALITY (ANIMAL DIED			
2009 9	20	9/20/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	IN REHAB; CAUSE OF DEATH = DROWNING)	DEAD	P9	NA
2003 3	20	3/20/2003	CALIFORNIA SEA LION	3110011110	EOS ANGLEES	CA	31	IN RELIAB, CAOSE OF BEATT - BROWNING	DEAD	13	1474
								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			
2009 9	21	9/21/2009	CALIFORNIA SEA LION	VESSEL STRIKE	LINCOLN	OR	SI	THREATENING; ANIMAL LEFT THE SITE	SI	P15	NA
		5,11,111		POWER PLANT							
2009 9	22	9/22/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
								LIVE STRANDING; GUNSHOT WOUNDS TO LEFT EYE & HEAD;			
								RADIOGRAPHS REVEALED PELLETS IN HEAD; NON-FATAL			
								INJURY (ANIMAL TRANSFERRED TO CLEVELAND ZOO FOR			
2009 9	22	9/22/2009	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	PERMANENT PUBLIC DISPLAY)	CAPTIVITY	P9	NA
								LIVE STRANDING; FISH HOOK IN MOUTH; MORTALITY			
				HOOK & LINE				(ANIMAL EUTHANIZED IN REHAB DUE TO INFECTION FROM			
2009 9	22	9/22/2009	CALIFORNIA SEA LION	FISHERY	MARIN	CA	SI	FACE ABSCESS)	DEAD	P5A	NA
								LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN			
				MARINE DEBRIS				REHAB DUE TO BLINDNESS; NECROPSY REVEALED PLASTIC			
2009 9	29	9/29/2009	CALIFORNIA SEA LION	INGESTION	MARIN	CA	SI	BAG & FRACTURED RIB IN STOMACH)	DEAD	P2	NA
								DEAD STRANDING; GILLNET FRAGMENT AROUND NECK;			
2009 9	30	9/30/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MARIN	CA	DEAD	CARCASS EXAMINED BY CAS PERSONNEL	DEAD	P8A	NA
				HOOK & LINE				LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LIP;			
2009 10	2	10/2/2009	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	NSI	NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN LEFT			
				HOOK & LINE				AXILLARY REGION; MORTALITY (ANIMAL EUTHANIZED IN			
2009 10	2	10/2/2009	CALIFORNIA SEA LION	FISHERY	SAN LUIS OBISPO	CA	NSI	REHAB DUE TO DOMOIC ACID TOXICITY)	DEAD	P9	NA
								LIVE STRANDING; GUNSHOT WOUND TO LEFT EYE, PELLET			
2000 :-		40/4/	0411E00111					EXTRACTED; MORTALITY (ANIMAL DIED IN REHAB; CAUSE	DE:-		
2009 10	4	10/4/2009	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	OF DEATH = DOMOIC ACID TOXICITY)	DEAD	P9	NA
								LIVE STRANDING; OLD GILLNET WOUND ON NECK, NO GEAR			
2000	_	40/0/====		O				ON ANIMAL; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009 10	9	10/9/2009	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	NSI	REHAB)	NSI	P9	NA
								LIVE STRANDING; BILATERAL FRACTURE OF MANDIBLE;			
2000 :-		40/40/====		BLUNT FORCE				NECROTIC MANDIBLE BONE FRAGMENTS; MORTALITY	DE:-		
2009 10	10	10/10/2009	CALIFORNIA SEA LION	TRAUMA	LOS ANGELES	CA	SI	(ANIMAL EUTHANIZED IN REHAB)	DEAD	P9	NA
								LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2000 40	10	10/10/2000	CALIFORNIA CEA LICE:	CILL NET FIGURES!	CANIDIFCO		C.	FATAL INJURY (ANIMAL DISENTANGLED & RELEASED ON	NC	D70	NIA.
2009 10	10	10/10/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SAN DIEGO	CA	SI	SITE)	NSI	P7B	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year	Month	Dav	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
rear	IVIOIICII	Day	Dute	Species	HOOK & LINE	county.Locale	JIAIL	Assessment	LIVE STRANDING; FISH HOOK IN CHIN; NON-FATAL INJURY	Assessment	Assessment	value
2009	10	12	10/12/2009	CALIFORNIA SEA LION	FISHERY	SANTA CRUZ	CA	NSI	(ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
									LIVE STRANDING; OLD GILLNET SCAR ON NECK, NO GEAR			
									ON ANIMAL; MORTALITY(ANIMAL DIED IN REHAB; CAUSE			
2009	10	13	10/13/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	OF DEATH = UNKNOWN)	DEAD	P8A	NA
									LINE CTRANSPING FIGURE OF THE PROPERTY.			
									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			
					HOOK & LINE				STOMACH, INCLUDING 2 FISHING LURES, 4 ARTIFICIAL			
2009	10	14	10/14/2009	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	SI	FLIES, 5 TREBLE HOOKS & NUMEROUS SINGLE HOOKS	DEAD	P2	NA
2003	10	14	10/14/2003	CALII OMNIA JEA LION	HISHLINI	JAN DILGO	CA	31	LIVE STRANDING; 3-4 LAYERS OF DUCT TAPE AROUND	DEAD	r Z	NA.
					MARINE DEBRIS				NECK; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009	10	19	10/19/2009	CALIFORNIA SEA LION	ENTANGLEMENT	MENDOCINO	CA	SI	REHAB)	NSI	P7B	NA
									LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2009	10	20	10/20/2009	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
2009	10	20	10/20/2009	CALIFORNIA SEA LION	SHOOTING	MASON	WA	DEAD	BULLET IN HEAD	DEAD	NA	NA
									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 LONG			
					HOOK & LINE				MARINE LABORATORY FOR PERMANENT INCORPORATION			
2009	10	23	10/23/2009	CALIFORNIA SEA LION	FISHERY	SAN LUIS OBISPO	CA	NSI	INTO THEIR LIVE ANIMAL COLLECTION	CAPTIVITY	P5C	NA
									LIVE CTRANDING, CUNCULATIVICUINDS TO BACK DETIMEEN			
									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			
2000	10	24	10/24/2009	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	FLIPPER & IN SKIN OF RIGHT CAUDAL ABDOMEN)	DEAD	Р9	NA
2009	10	24	10/24/2009	CALIFORNIA SEA LION	SHOOTING	LUS ANGELES	CA	31	FLIPPER & IN SKIN OF RIGHT CAUDAL ABDUMEN)	DEAD	P9	NA
									LIVE STRANDING; GILLNET FRAGMENT AROUND NECK;			
									MORTALITY (ANIMAL EUTHANIZED IN REHAB DUE TO			
2009	10	24	10/24/2009	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	REPEATED SEZURES LINKED TO DOMOIC ACID TOXICITY)	DEAD	P8A	NA
			10/2 1/2003	O/ LEII O MATA / DE/ CETOTA	OILLITE! TIOTILIT	2007.1102225	07.		DEAD STRANDING; 15 INCH PIECE OF HEMP ROPE TIED	00.10	1071	
									AROUND MIDSECTION; APPEARS THAT ANIMAL WAS			
									TOWED (ROPE TIED IN SLIP KNOT); UNKNOWN IF ANIMAL			
									WAS ALIVE OR DEAD AT TIME OF TOWING; CARCASS			
2009	10	24	10/24/2009	CALIFORNIA SEA LION	ROPE	MARIN	CA	DEAD	EXAMINED BY CAS PERSONNEL	DEAD	NA	NA
									LIVE STRANDING; MORTALITY (ANIMAL DIED IN REHAB;			
					HOOK & LINE				NECROPSY REVEALED FISH HOOK IN ESOPHAGEAL WALL;			
2009	10	26	10/26/2009	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	CAUSE OF DEATH = SEVERE PNEUMONIA)	DEAD	P2	NA
									LIVE STRANDING; GUNSHOT WOUND TO RIGHT EYE,			
									RADIOGRAPHS REVEALED SINGLE BULLET IN EYE; NON-			
									FATAL INJURY (ANIMAL RELEASED FROM REHAB, BULLET			
2009	10	26	10/26/2009	CALIFORNIA SEA LION	SHOOTING	MARIN	CA	SI	WAS NOT EXTRACTED)	NSI	P9	NA
									LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2009	10	28	10/28/2009	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
									LIVE CTRANSING OR MOS CROWN RANKE ON RESTREET			
									LIVE STRANDING; ORANGE SPRAY PAINT ON RIGHT SIDE OF			
2000	40	2.	40/24/2025	CALIFORNIA CEA LICII	CDD AV CALLETTE	CAN LLUC ORIGIN	C •	.	HEAD, RIGHT FLIPPER & RIGHT FLANK; MORTALITY (ANIMAL	DE . S	P.O.	
2009	10	31	10/31/2009	CALIFORNIA SEA LION	SPRAY PAINTING	SAN LUIS OBISPO	CA	SI	EUTHANIZED IN REHAB DUE TO DOMOIC ACID TOXICITY)	DEAD	P9	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Dav	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
rear monen	Duy	Dute	openes -	meracion type	County/Locale	517112	7.550551110110	LIVE STRANDING; GILLNET FRAGMENT AROUND NECK;	71356331116116	Absessment	value
								MORTALITY (ANIMAL DIED IN REHAB; PRIMARY CAUSE OF			
								DEATH = MALNUTRITION, SECONDARY CAUSE OF DEATH =			
2009 11	3	11/3/2009	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	ENTANGLEMENT)	DEAD	P8A	NA
2009 11		11/3/2003	CALII ONNIA SEA LION	GILLINET TISHERT	WONTENET	CA	31	ENTANGLEMENT)	DEAD	ron	INA
								LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2009 11	4	11/4/2009	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
2003 11	-	11/4/2003	CALII OMNIA SEA EION	GIEENET TISHERT	OWANGE	CA	31	DEAD STRANDING; PIECE OF HEMP ROPE TIED AROUND	1451	175	1474
								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			
2009 11	5	11/5/2009	CALIFORNIA SEA LION	ROPE	MARIN	CA	DEAD	PERSONNEL	DEAD	NA	NA
2003 11		11/5/2005	CALIFORNIA SEA EIGIT	NOTE	IVIPARIIV	CA	DEAD	LIVE STRANDING; FISH HOOKS IN LEFT FRONT FLIPPER &	DEAD	IVA	14/4
								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			
				HOOK & LINE							
2009 11	7	11/7/2009	CALIFORNIA SEA LION	FISHERY	CAN EDANICISCO	CA	DEAD	PELLET WAS FOUND IN BODY CAVITY); CARCASS EXAMINED BY CAS PERSONNEL	DEAD	NA	NA
2009 11		11/7/2009	CALIFORNIA SEA LION	FISHERT	SAN FRANCISCO	CA	DEAD	LIVE STRANDING; GUNSHOT WOUNDS TO FACE & NOSE;	DEAD	INA	NA
								RADIOGRAPHS REVEALED NUMEROUS PELLETS & LEAD			
								FRAGMENTS IN HEAD BUT NONE ENTERING BRAIN CAVITY;			
								NON-FATAL INJURY (ANIMAL TRANSFERRED TO SIX FLAGS			
2000 44	40	44/40/2000			VO. 0			DISCOVERY KINGDOM IN VALLEJO FOR PERMANENT PUBLIC	0.4.070.070		
2009 11	10	11/10/2009	CALIFORNIA SEA LION	SHOOTING	YOLO	CA	SI	DISPLAY)	CAPTIVITY	P9	NA
				CA SWORDFISH							
				DRIFT GILLNET							
2009 11	15	11/15/2009	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
								LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2009 11	20	11/20/2009	CALIFORNIA SEA LION		SANTA BARBARA	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
				POWER PLANT							
2009 11	23	11/23/2009	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
								LIVE STRANDING; SEVERE PROPELLER WOUNDS TO RIGHT			
								FRONT FLIPPER & SHOULDER; MORTALITY (ANIMAL			
2009 11	23	11/23/2009	CALIFORNIA SEA LION	VESSEL STRIKE	DEL NORTE	CA	SI	EUTHANIZED IN REHAB)	DEAD	P9	NA
				CA SWORDFISH							
				DRIFT GILLNET							
2009 12	4	12/4/2009	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
				DRIFT GILLNET							
2009 12	5	12/5/2009	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
	_			CA SWORDFISH					· <u></u>	·	
				DRIFT GILLNET							
2009 12	6	12/6/2009	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
								LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2009 12	9	12/9/2009	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P7B	NA
			·	CA SWORDFISH							
				DRIFT GILLNET							
2009 12	10	12/10/2009	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				-							
								LIVE STRANDING; FISH HOOKS IN ABDOMEN & LEFT			
								AXILLARY REGION; MORTALITY (ANIMAL DIED IN REHAB;			
				HOOK & LINE				CAUSE OF DEATH = PRESUMED DROWNING FROM SEIZURE			
2009 12	11	12/11/2009	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	DEAD	ACTIVITY LINKED TO DOMOIC ACID TOXICITY)	DEAD	NA	NA
2010 1	4	1/4/2010	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	BULLET FRAGMENTS IN SKULL	DEAD	NA	NA
2010 1	6	1/6/2010	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	BULLETS FOUND DURING NECROPSY	DEAD	NA	NA
		, -,		POWER PLANT							
2010 1	9	1/9/2010	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
		-, -, 2020		MARINE DEBRIS	5 5.200			PACKING BAND OR MONOFILAMENT WRAPPED AROUND			
2010 1	12	1/12/2010	CALIFORNIA SEA LION	ENTANGLEMENT	LINCOLN	OR	SI	LOWER NECK	SI	P8A	NA
		_,,,			LIITOOLIT	<u> </u>	<u> </u>		<u> </u>		

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year	Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
				•	POWER PLANT							
2010	1	12	1/12/2010	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
									BOAT COLLISION, MULTIPLE LACERATIONS, BROKEN BONES,			
2010	1	23	1/23/2010	CALIFORNIA SEA LION	VESSEL STRIKE	SAN DIEGO	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P15	NA
					UNIDENTIFIED NET							
			. / /		FISHERY							
2010	1 1	24	1/24/2010	CALIFORNIA SEA LION CALIFORNIA SEA LION	SHOOTING	MONTEREY CLATSOP	CA OR	SI DEAD	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED BULLET HOLE IN HEAD	NSI DEAD	P7B NA	NA NA
2010	2	7	2/7/2010	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	BULLET FOUND DURING NECROPSY	DEAD	NA NA	NA NA
			2,7,2010	O ILII OIII II I I I I I I I I I I I I I	5110011110		•••	52,10	GILLNET ENTANGLEMENT, ANIMAL TAKEN INTO REHAB,	52,15		
2010	2	8	2/8/2010	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	SI	TREATED AND RELEASED	NSI	P7B	NA
2010	2	9	2/9/2010	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	BULLET FOUND IN BRAIN CAVITY	DEAD	NA	NA
2010	2	10	2/10/2010	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	BULLETS FOUND IN DORSAL MUSCLE	DEAD	NA	NA
2010	2	11	2/11/2010	CALIFORNIA CEA LION	MARINE DEBRIS	ODANICE	CA	SI	RUBBER BAND AROUND NECK, ANIMAL TAKEN INTO REHAB,	NCI	070	NA
2010	2	13	2/11/2010 2/13/2010	CALIFORNIA SEA LION CALIFORNIA SEA LION	SHOOTING	ORANGE KING	CA WA	DEAD	TREATED AND RELEASED BULLET FRAGMENTS FOUND IN MUSCLE	NSI DEAD	P7B NA	NA NA
2010		13	2/13/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET	KIIVO	****	DEAD	BOLLET THAGMENTS TOONS IN MOSCLE	DEAD	IVA	14/4
					FISHERY				GILLNET-LIKE LACERATIONS AROUND CIRCUMFERENCE OF			
2010	2	14	2/14/2010	CALIFORNIA SEA LION	ENTANGLEMENT	LOS ANGELES	CA	SI	ANIMAL, DIED IN REHAB	DEAD	NA	NA
2010	2	14	2/14/2010	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	BULLETS FOUND IN BRAIN	DEAD	NA	NA
									PROPELLOR WOUNDS ON ANIMAL, TAKEN INTO REHAB,			
2010	2	15	2/15/2010	CALIFORNIA SEA LION	VESSEL STRIKE	DEL NORTE	CA	SI	TREATED AND RELEASED	NSI	P15	NA
2010	2	18	2/18/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	ANIMAL DIED IN REHAB	DEAD	NA	NA
2010	2	22	2/22/2010	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	BULLETS CONFIRMED VIA RADIOGRAPH	DEAD	NA NA	NA NA
2010	2	23	2/23/2010	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	BULLET HOLE AND SHRAPNEL FOUND	DEAD	NA NA	NA
	10 2 25 2/23/2010 CALIFORNIA SE						REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON					
							IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION					
					AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2010	3	3	3/3/2010	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
									REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
					AUTHORIZED				IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2010	3	30	3/30/2010	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
		50	3/30/2010	CALL CHANGE A LIGHT	THE STATE	COLONIDIATINALIA		712.72	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	52,15		
									IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
					AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2010	3	30	3/30/2010	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
									REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
					ALITHODIZED				IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
2010	3	9	3/9/2010	CALIFORNIA SEA LION	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	NA
2010			3/3/2010	CALII ONNIA SEA LION	KEMOVAL	COLONIDIA NIVEN	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	DLAD	INA	INA
									IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
					AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2010	3	9	3/9/2010	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
									REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
									IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
2010	2	0	2/0/2010	CALIFORNIA CEA LION	AUTHORIZED	COLLINADIA DIVED	14/4	ALIVE	120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE	DEAD	NIA	NA
2010	3	9	3/9/2010	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE. REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	DEAD	NA	NA
									IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
					AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2010	3	9	3/9/2010	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
		· <u></u>					·		REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
									IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
2010	2	C	2/0/2010	CALIFORNIA CEA LICA	AUTHORIZED	COLLINADIA DIVES	14/4	A1 D./E	120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE	DEAD	BI A	N: A
2010	3	9	3/9/2010	CALIFORNIA SEA LION	REMOVAL HOOK & LINE	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE. FISHING LINE AROUND NECK, ANIMAL TAKEN INTO REHAB,	DEAD	NA	NA
2010	3	8	3/8/2010	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	SI	TREATED AND RELEASED	NSI	P7B	NA
2010	3	12	3/12/2010	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	BULLET FRAGMENT IN BRAIN CAVITY	DEAD	NA NA	NA NA
						-			-			

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year N	Month	Dav	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
			2000		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,			VESSEL CREW FELT THE IMPACT OF THE SEA LION AND			
2010	3	17	3/17/2010	CALIFORNIA SEA LION	VESSEL STRIKE	SANTA BARBARA	CA	DEAD	OBSERVED THE SINKING CARCASS	DEAD	NA	NA
					UNIDENTIFIED FISHERY							
2010	3	23	3/23/2010	CALIFORNIA SEA LION	INTERACTION	LOS ANGELES	CA	SI	ANIMAL DIED IN REHAB	DEAD	NA	NA
2010	3	24	3/24/2010	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	SHRAPNEL FOUND ON RADIOGRAPH	DEAD	NA NA	NA NA
			0,,						PACKING BAND ENTANGLEMENT AROUND NECK, CUTTING		***	
					MARINE DEBRIS				INTO BLUBBER AND MUSCLE; OBSERVED SEVERAL TIMES			
2010	3	25	3/25/2010	CALIFORNIA SEA LION	ENTANGLEMENT	LINCOLN	OR	SI	BETWEEN MAY AND JULY	SI	P8A	NA
2010	2	25	2/25/2010	CALIFORNIA CEA LION	CILL NET FIGURDY	ODANCE	C4	CI.	GILLNET AROUND HEAD THROUGH CORNERS OF MOUTH,	DEAD	N1.0	
2010	3	25	3/25/2010	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	ANIMAL EUTHANIZED IN REHAB BULLET TIP FOUND IN ABCESS ON LEFT CHEEK. SMALL HOLE	DEAD	NA	NA
									IN FOREHEAD. ANIMAL TAKEN INTO REHAB, TREATED AND			
2010	3	25	3/25/2010	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI	RELEASED	NSI	Р9	NA
					CA HALIBUT AND							
					WHITE SEABASS							
					SET GILLNET							
2010	3	26	3/26/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM FISHING LINE IN MOUTH. ANIMAL TAKEN INTO REHAB,	DEAD	NA	NA
2010	3	28	3/28/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	TREATED AND RELEASED	NSI	P5C	NA
2010	,	20	3/20/2010	CALIFORNIA SEA LION	HOOK & LINE	LOS ANGELES	CA	31	TREATED AND RELEASED	INSI	130	IVA
2010	3	29	3/29/2010	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN BACK. ANIMAL DIED IN REHAB	DEAD	NA	NA
					CA HALIBUT AND							
					WHITE SEABASS							
					SET GILLNET							
2010	3	30	3/30/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			CA HALIBUT AND WHITE SEABASS									
					SET GILLNET							
2010	3	30	3/30/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			, , ,									
2010	3	31	3/31/2010	CALIFORNIA SEA LION	CAR COLLISION	SAN DIEGO	CA	SI	EYE WITNESS ACCOUNT, ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA
									GILLNET AROUND NECK. ANIMAL TAKEN INTO REHAB,			
2010	3	31	3/31/2010	CALIFORNIA SEA LION		SANTA BARBARA	CA	SI	TREATED AND RELEASED	NSI	P7B	NA
2010	3	31	3/31/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
2010	3	31	3/31/2010	CALIFORNIA SEA LION	ENTRAINIVIENT	JAN DIEGO	CA	DEAD	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	DEAD	IVA	IVA
									IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
					AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2010	4	6	4/6/2010	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
									MULTIPLE PELLETS IN SKULL, LEFT EYE. ANIMAL			
2010	4	1	4/1/2010	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	EUTHANIZED IN REHAB	DEAD	NA	NA
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	NA
2010	4	3	4/3/2010	CALIFORNIA SEA LION	POWER PLANT	LUS ANGELES	CA	INSI	REMAB, TREATED AND RELEASED	INSI	PSC	NA NA
2010	4	3	4/3/2010	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
			., -,		MARINE DEBRIS						***	
2010	4	3	4/3/2010	CALIFORNIA SEA LION	INGESTION	ORANGE	CA	SI	VOMITED UP PLASTIC MATERIAL	SI	P2	NA
					CA HALIBUT AND							
					WHITE SEABASS							
2040		_	4/7/2040		SET GILLNET	055511005		2512	000500/50 00000044	2512		
2010	4	7	4/7/2010	CALIFORNIA SEA LION	FISHERY CA HALIBUT AND	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
					WHITE SEABASS							
					SET GILLNET							
2010	4	8	4/8/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
					CA HALIBUT AND			-				-
					WHITE SEABASS							
2012		c	4/0/2222	CALIFORNIA CEA LICI	SET GILLNET	OFFCUORE	64	D5+5	ODCEDVED DDOCDAM	DE * 2	A	N
2010	4	8	4/8/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

V M	D	Data	Consider	lateration Tone	Country Locale	CTATE	Initial Injury	Community	Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	CA HALIBUT AND	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
				WHITE SEABASS							
				SET GILLNET							
2010 4	8	4/8/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA HALIBUT AND							
				WHITE SEABASS							
2010 4	9	4/9/2010	CALIFORNIA SEA LION	SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NIA
2010 4	9	4/9/2010	CALIFORNIA SEA LION	UNIDENTIFIED NET	OFFSHURE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				FISHERY				ENTANGLEMENT WOUNDS AROUND CIRCUMFERENCE OF			
2010 4	9	4/9/2010	CALIFORNIA SEA LION	ENTANGLEMENT	LOS ANGELES	CA	DEAD	ANIMAL.	DEAD	NA	NA
				POWER PLANT							
2010 4	9	4/9/2010	CALIFORNIA SEA LION	ENTRAINMENT	LOS ANGELES	CA	DEAD	FRESH DEAD, ENTERED SCREEN BAY	DEAD	NA	NA
				HOOK & LINE				FISH HOOKS IN LOWER LIP AND LEFT FRONT FLIPPER.			
2010 4	10	4/10/2010	CALIFORNIA SEA LION	FISHERY POWER PLANT	LOS ANGELES	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA
2010 4	12	4/12/2010	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
2010 4		4/12/2010	CALII OMNIA SEA EION	HOOK & LINE	SAIN DIEGO	CA	DEAD	FISH HOOK IN RIGHT FRONT FLIPPER. ANIMAL TAKEN INTO	DEAD	14/1	1474
2010 4	13	4/13/2010	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	REHAB, TREATED AND RELEASED	NSI	P5C	NA
		, ,						,			
								GREEN NET ENTANGLED AROUND NECK WITH SEVERAL			
2010 4	17	4/17/2010	CALIFORNIA SEA LION	GILLNET FISHERY	SAN DIEGO	CA	SI	FEET OF NET TRAILING. ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA
				HOOK & LINE				FISH HOOK IN RIGHT SIDE OF MOUTH. ANIMAL			
2010 4	17	4/17/2010	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	EUTHANIZED IN REHAB	DEAD	NA	NA
2010 1	10	4/40/2040	CALIFORNIA CEA LION	VECCEI CEDIVE	KING	14/4	C1	ANIMAL DIED DURING OVERNIGHT OBSERVATION. BLUNT	DEAD	DAF	
2010 4	18	4/18/2010	CALIFORNIA SEA LION	VESSEL STRIKE HOOK & LINE	KING	WA	SI	FORCE TRAUMA, CRUSHED STERNUM SILVER COLORED FISHING LURE STUCK IN MOUTH WITH	DEAD	P15	NA
2010 4	20	4/20/2010	CALIFORNIA SEA LION	FISHERY	LINCOLN	OR	SI	LONG LEADER ATTACHED	SI	P2	NA
2010 4	20	4/20/2010	CALII OMMA SEA EIOM	MARINE DEBRIS	LINCOLIN	OIL	31	EONG ECADERIATIACIED	31	12	1474
2010 4	21	4/21/2010	CALIFORNIA SEA LION	ENTANGLEMENT	SAN DIEGO	CA	SI	PLASTIC PACKAGING STRAP, ANIMAL DIED IN REHAB	DEAD	NA	NA
		•		HOOK & LINE				,			
2010 4	21	4/21/2010	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	FISH HOOK IN MOUTH. ANIMAL DIED IN REHAB	DEAD	NA	NA
				CA HALIBUT AND							
				WHITE SEABASS							
2010 4	22	4/22/2010	CALIFORNIA CEALION	SET GILLNET	OFFCHORE	C4	DEAD	ODCEDVED DDOCDAM	DEAD	N/A	
2010 4	23	4/23/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM GILLNET FRAGMENT EMBEDDED IN NECK. ANIMAL TAKEN	DEAD	NA	NA
2010 4	23	4/23/2010	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA
2010 4		4/23/2010	CALII OMNIA SEA EION	CA HALIBUT AND	EOS AIVOELES	CA	31	INTO REFIRM, TREATED AND RECEASED	1451	175	1474
				WHITE SEABASS							
				SET GILLNET							
2010 4	25	4/25/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA HALIBUT AND							
				WHITE SEABASS							
2010 4	25	4/2E/2010	CALIEODNIA CEA LION	SET GILLNET FISHERY	OFFCHORE	CA	DEAD	OBSERVER REOCEDAM	DEAD	N/A	NA
2010 4	25	4/25/2010	CALIFORNIA SEA LION	CA HALIBUT AND	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				WHITE SEABASS							
				SET GILLNET							
2010 4	25	4/25/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA HALIBUT AND					<u> </u>		
				WHITE SEABASS							
				SET GILLNET							
2010 4	26	4/26/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA HALIBUT AND							
				WHITE SEABASS SET GILLNET							
2010 4	26	4/26/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2010 4	20	7/20/2010	CALII OMNIA JEA LION	UNIDENTIFIED NET	JITJITORE	CA	DLAD	ODJENYEN I NOGIVANI	DLAD	IVA	INA
				FISHERY							
2010 4	26	4/26/2010	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year Moi	nth Da	y Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
		,	•	MARINE DEBRIS							
2010 4	1 28	4/28/2010	CALIFORNIA SEA LION	ENTANGLEMENT	LOS ANGELES	CA	SI	ANIMAL DIED DURING TRANSPORTATION TO REHAB REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	DEAD	NA	NA
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2010 5	5 26	5/26/2010	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
2040 -		= /ac/aaa		AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE	2512		
2010 5	26	5/26/2010	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE. REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	DEAD	NA	NA
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2010 5	5 4	5/4/2010	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
2010 5	5 2	5/2/2010	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	OBVIOUS BULLET HOLE IN ABDOMENT	DEAD	NA	NA
				POWER PLANT							
2010 5	5 4	5/4/2010	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
				MARINE DEBRIS							
2010 5	5 5	5/5/2010	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	LINE WRAPPED AROUND NECK.	SI	P8A	NA
2010 5		F /C /2010	CALIFORNIA CEA LION	HOOK & LINE	CAN DIECO	64	CI.	ANUMAN TAKEN INTO DELIAD TREATER AND DELEACED	NCI	00	
2010 5	5 6	5/6/2010	CALIFORNIA SEA LION	FISHERY POWER PLANT	SAN DIEGO	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	NA
2010 5	5 6	5/6/2010	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
2010 3	, ,	3/0/2010	CALII ORNIA SEA LION	HOOK & LINE	JAN DILGO	CA	DLAD	FLY FISH HOOK RIGHT SIDE OF BODY, ANIMAL TAKEN INTO	DEAD	IVA	INA
2010 5	5 6	5/6/2010	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	NSI	REHAB, TREATED AND RELEASED	NSI	P5C	NA
		0,0,000		POWER PLANT							
2010 5	6	5/6/2010	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
				POWER PLANT							
2010 5	6	5/6/2010	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
				UNIDENTIFIED NET	•			FISHING LINE AROUND NECK AND LACERATIONS FROM			
				FISHERY				ENTANGLEMENT. ANIMAL TAKEN INTO REHAB, TREATED			
2010 5	5 8	5/8/2010	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	AND RELEASED	NSI	P7B	NA
2040 -		5 10 10010			MANTEREY		61	GREEN GILLNET AROUND NECK, CUTTING INTO SKIN 1 CM	NG	272	
2010 5	9	5/9/2010	CALIFORNIA SEA LION	GILLNET FISHERY HOOK & LINE	MONTEREY	CA	SI	DEEP. ANIMAL DISENTANGLED, RELOCATED OBSERVED SWIMMING WITH 12" ORANGE AND SILVER	NSI	P7B	NA
2010 5	5 10	5/10/2010	CALIFORNIA SEA LION	FISHERY	LINCOLN	OR	SI	SALMON FLASHER HANGING FROM MOUTH	SI	P2	NA
2010 3	, 10	3/10/2010	CALII ORNIA SEA LION	HISHERI	LINCOLIN	OIL	31	SALMONT LASTIEN TIANGING FROM MICOTTI	JI	F 2	INA
2010 5	5 10	5/10/2010	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI	BULLET FRAGMENT IN CHEST. ANIMAL DIED IN REHAB	DEAD	NA	NA
								BULLET LODGED IN VERTEBRAL COLUMN. ANIMAL			
2010 5	5 1:	5/11/2010	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	EUTHANIZED IN REHAB	DEAD	NA	NA
2010 5	1:	5/11/2010	CALIFORNIA SEA LION	DOG ATTACK	SANTA BARBARA	CA	DEAD	NO DETAILS	DEAD	NA	NA
				UNIDENTIFIED NET	•						
				FISHERY							
2010 5	5 12	5/12/2010	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	ANIMAL DISENTANGLED, RELOCATED	NSI	P7B	NA
				UNIDENTIFIED NET							
2010 5	5 12	5/12/2010	CALIFORNIA SEA LION	FISHERY ENTANGLEMENT	MONTEREY	CA	SI	ANIMAL DISENTANGLED, RELOCATED	NSI	P7B	NA
2010 3) 14	3/12/2010	CALIFORNIA SEA LION	POWER PLANT	MONTERET	CA	31	ANIMAL DISENTANGLED, RELOCATED	ICNI	F/D	INA
2010 5	5 14	5/14/2010	CALIFORNIA SEA LION	ENTRAINMENT	LOS ANGELES	CA	DEAD	FRESH DEAD	DEAD	NA	NA
2010 5		3/11/2010	CALL CHANGE A LIGHT	EITH WITH EITH	200711102225	C/ t	52,15	THE STIPLE TO	52715		
				HOOK & LINE				MULTIPLE FISH HOOKS ON BODY AND FLIPPERS. ANIMAL			
2010 5	5 14	5/14/2010	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA
				MARINE DEBRIS			-	THICK BLACK RUBBER BAND AROUND NECK. ANIMAL DIED			-
2010 5	5 14	5/14/2010	CALIFORNIA SEA LION	ENTANGLEMENT	SAN MATEO	CA	SI	IN REHAB	DEAD	NA	NA
								FISHING LINE AROUND NECK RESULTING IN DEEP			
				HOOK & LINE				LACERATION. ANIMAL TAKEN INTO REHAB, TREATED AND			
2010 5	14	5/14/2010	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	RELEASED	NSI	P7B	NA
				UNIDENTIFIED NET				GREEN MONOFILAMENT NETTING WRAPPED AROUND			
2010 -		E /15 /2010	CALIFORNIA CEA LICY	FISHERY	MONTEREY	C*	CI.	NECK 2X AND THROUGH MOUTH. ANIMAL TAKEN INTO	NC	חדה	N1.4
2010 5	15	5/15/2010	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	REHAB, TREATED AND RELEASED	NSI	P7B	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year Mo	onth	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
					HOOK & LINE				FISHING LINE AROUND NECK, CUTTING INTO TISSUE.			
2010	5	15	5/15/2010	CALIFORNIA SEA LION	FISHERY	SAN LUIS OBISPO	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA
					UNIDENTIFIED							
2010	5	15	5/15/2010	CALIFORNIA SEA LION	FISHERY INTERACTION	MONTEREY	CA	SI	GREEN MONOFILAMENT CUTTING INTO NECK. ANIMAL TAKEN INTO REHAB. TREATED AND RELEASED	NSI	Р7В	NA
2010			3/13/2010	CALLA CALLACTE COL	HOOK & LINE	WOTTERE!	G/ t	<u> </u>	8 FISHHOOKS ON BODY AND FLIPPERS. ANIMAL TAKEN	1101	.,,,,	
2010	5	18	5/18/2010	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA
					MARINE DEBRIS				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			
2010	5	20	5/20/2010	CALIFORNIA SEA LION	ENTANGLEMENT	LINCOLN	OR	SI	THIN; REMAINED ON BEACH REST OF DAY	SI	P1	NA
2010	_	24	5/24/2242		UNIDENTIFIED NET			61	MONOFILAMENT NET/LINE EMBEDDED IN NECK. ANIMAL	2542		
2010	5	21	5/21/2010	CALIFORNIA SEA LION	ENTANGLEMENT UNIDENTIFIED NET	SAN MATEO	CA	SI	DIED IN REHAB	DEAD	NA	NA
2010	5	25	5/25/2010	CALIFORNIA SEA LION	FISHERY ENTANGLEMENT	SANTA CRUZ	CA	SI	MONOFILAMENT NET/LINE AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA
			- / /		HOOK & LINE				FISH HOOK IN MOUTH, 3 FISH HOOKS IN ESOPHAGUS.			
2010	5	26	5/26/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS	SANTA CRUZ	CA	SI	ANIMAL DIED IN REHAB	DEAD	NA	NA
2010	5	29	5/29/2010	CALIFORNIA SEA LION	SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2010	<u> </u>		3/23/2010	CALL CANALAGE CON	CA HALIBUT AND WHITE SEABASS SET GILLNET	OTTOTIONE	G, (SEA	002.11.11.00.11.111	50.0		
2010	5	29	5/29/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2010	5	30	5/30/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	FISH HOOKS IN FRONT AND REAR FLIPPERS. LURE AND WEIGHT HANGING FROM MOUTH. ANIMAL DIED IN REHAB	DEAD	NA	NA
2010	5	31	5/31/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	ORANGE	CA	SI	FISH HOOK IN TONGUE WITH LINE ATTACHED, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA
2010	5	31	5/31/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	FISHING LINE, HOOK, AND WEIGHT IN MOUTH. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P5C	NA
	5	31	5/31/2010	CALIFORNIA SEA LION	SHOOTING	TILLAMOOK	OR	DEAD	BUCKSHOT PELLETS RECOVERED	DEAD	NA	NA
					CA HALIBUT AND WHITE SEABASS SET GILLNET							
2010	6	2	6/2/2010	CALIFORNIA SEA LION	FISHERY CA HALIBUT AND	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
					WHITE SEABASS SET GILLNET							
2010	6	2	6/2/2010	CALIFORNIA SEA LION	FISHERY CA HALIBUT AND	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
					WHITE SEABASS SET GILLNET							
2010	6	2	6/2/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
					CA HALIBUT AND WHITE SEABASS SET GILLNET							
2010	6	2	6/2/2010	CALIFORNIA SEA LION	CA HALIBUT AND WHITE SEABASS	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2010	6	4	6/4/2010	CALIFORNIA SEA LION	SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
	-		., .,									

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year Mont	th Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
				CA HALIBUT AND WHITE SEABASS SET GILLNET							
2010 6	5	6/5/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM HOOKS AND LINE WRAPPED AROUND REAR FLIPPERS.	DEAD	NA	NA
2010 6	6	6/6/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA CRUZ	CA	SI	ANIMAL DISENTANGLED, RELEASED AT SITE	NSI	P5C	NA
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	NA
2010 6	8	6/8/2010	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	SAN DIEGO	CA	DEAD	ROPE AROUND NECK	DEAD	NA	NA
				UNIDENTIFIED NET FISHERY				GREEN NET ENTANGLED AROUND NECK AND HEAD.			
2010 6	9	6/9/2010	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA
2010 6 2010 6	9 10	6/9/2010 6/10/2010	CALIFORNIA SEA LION CALIFORNIA SEA LION	SHOOTING STAB WOUNDS	CLATSOP LOS ANGELES	OR CA	DEAD SI	BULLET FRAGMENT COLLECTED, SKULL BLOWN AWAY ANIMAL EUTHANIZED IN REHAB. KNIFE LACERATION.	DEAD DEAD	NA NA	NA NA
2010 0	10	0/10/2010	CALIFORNIA SEA LION	HOOK & LINE	LOS ANGELES	CA	31	ANIIVIAL EOTHANIZED IN REHAD. KNIFE LACERATION.	DEAD	INA	INA
2010 6	10	6/10/2010	CALIFORNIA SEA LION	FISHERY POWER PLANT	SANTA CRUZ	CA	SI	FISH HOOK IN MOUTH. ANIMAL DIED IN REHAB	DEAD	NA	NA
2010 6	11	6/11/2010	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
2010 6	11	6/11/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
2010 6	12	6/12/2010	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	XRAY, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	SI	P9	NA
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	NA
2010 6	12	6/12/2010	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	HOLE IN ANIMAL, ASSOCIATED HEMORRHAGING	DEAD	NA	NA
				UNIDENTIFIED FISHERY							
2010 6	13	6/13/2010	CALIFORNIA SEA LION	INTERACTION	SAN DIEGO	CA	SI	RELEASED AT SITE	SI	P8A	NA
2010 6	14	6/14/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	LOS ANGELES	CA	SI	FISHING LINE, ANIMAL DIED IN REHAB	DEAD	NA	NA
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	NA
2010	4-	C /4 F /2040		HOOK & LINE	MONTEREY				NG	20	
2010 6	15	6/15/2010	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED BULLET HOLE RIGHT SIDE OF NECK, FISH HOOK AND LINE IN	NSI	P9	NA
2010 6	15	6/15/2010	CALIFORNIA SEA LION	SHOOTING HOOK & LINE	PACIFIC	WA	DEAD	MOUTH FISH HOOKS ON LEFT SIDE OF FACE. ANIMAL TAKEN INTO	DEAD	NA	NA
2010 6	18	6/18/2010	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	REHAB, TREATED AND RELEASED	NSI	P5C	NA
				UNIDENTIFIED FISHERY							
2010 6	18	6/18/2010	CALIFORNIA SEA LION	INTERACTION	LOS ANGELES	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA
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	NA
				HOOK & LINE				LARGE SALMON FLASHER REPORTEDLY HANGING FROM			
2010 6	24	6/24/2010	CALIFORNIA SEA LION	FISHERY HOOK & LINE	LINCOLN	OR	SI	MOUTH	SI	P2	NA
2010 6	25	6/25/2010	CALIFORNIA SEA LION	FISHERY HOOK & LINE	LOS ANGELES	CA	SI	FISH HOOKS. ANIMAL DIED IN REHAB	DEAD	NA	NA
2010 6	26	6/26/2010	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	NSI	FISH HOOKS IN FRONT AND REAR FLIPPERS.	NSI	P5C	NA
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	NA	NA
2010 7	2	7/2/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SANTA BARBARA	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	Р9	NA
2010 7	3	7/3/2010	CALIFORNIA SEA LION	HOOK & LINE FISHERY	CLATSOP	OR	SI	FISHING LURE ATTACHED TO HEAD, THROAT	SI	P5B	NA
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	NA
				HOOK & LINE				FISHING LINE GOING DOWN THROAT. ANIMAL TAKEN INTO			
2010 7 2010 7	12 16	7/12/2010 7/16/2010	CALIFORNIA SEA LION CALIFORNIA SEA LION	FISHERY VESSEL STRIKE	SAN DIEGO MONTEREY	CA CA	SI DEAD	REHAB, TREATED AND RELEASED EYE WITNESSES SAW BOAT HIT SEA LION	NSI DEAD	P5C NA	NA NA
					_						

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								FISH HOOK IN RIGHT UPPER LIP INSIDE MOUTH AND LOWER			
				HOOK & LINE				LEFT INSIDE MOUTH, ANIMAL TAKEN INTO REHAB, TREATED			
2010 7	20	7/20/2010	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	AND RELEASED	NSI	P5C	NA
				BLUNT FORCE							
2010 7	21	7/21/2010	CALIFORNIA SEA LION	TRAUMA	LOS ANGELES	CA	SI	ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA
2010 7	25	7/25/2010	CALIFORNIA CEA LION	HOOK & LINE	CANITA DADDADA		NCI	HOOK IN LEFT HIND FLIPPER, ANIMAL TAKEN INTO REHAB,	NCI	DEC	
2010 7	25	//25/2010	CALIFORNIA SEA LION	FISHERY HOOK & LINE	SANTA BARBARA	CA	NSI	TREATED AND RELEASED FISHING LINE & HOOKS: RIGHT LOWER LIP, ANIMAL DIED IN	NSI	P5C	NA
2010 8	4	8/4/2010	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	REHAB	DEAD	NA	NA
2010 0		0/4/2010	CALII OMMA SEA EIOM	HOOK & LINE	WONTENET	CA	31	ANIMAL DIED IN REHAB. CAUSE OF DEATH, FISH HOOK	DEAD	1471	14/4
2010 8	5	8/5/2010	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	PERFORATION OF ESOPHAGUS.	DEAD	NA	NA
		-,-,		HOOK & LINE				FISHING HOOK, LURE & LINE IN MOUTH. ANIMAL DIED IN			
2010 8	5	8/5/2010	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	REHAB	DEAD	NA	NA
2010 8	20	8/20/2010	CALIFORNIA SEA LION	SHOOTING	SONOMA	CA	DEAD	SHOT FOUND AT BASE OF SKULL	DEAD	NA	NA
				POWER PLANT							
2010 8	20	8/20/2010	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION	DEAD	NA	NA
				POWER PLANT			·				
2010 8	25	8/25/2010	CALIFORNIA SEA LION	ENTRAINMENT	LOS ANGELES	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION	DEAD	NA	NA
2010 8	30	8/30/2010	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P9	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
2010		0/0/0040		AUTHORIZED			*****	120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE	5545		
2010 9	8	9/8/2010	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE. REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	DEAD	NA	NA
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2010 9	9	9/9/2010	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
2010 9	3	3/3/2010	CALIFORNIA SEA LION	REIVIOVAL	COLUMBIA RIVER	VVA	ALIVE	FACILITY AVAILABLE.	DEAD	INA	IVA
								GUNSHOT/PELLET IN MUSCLE AROUND SPINE. ANIMAL			
2010 9	9	9/9/2010	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI	TAKEN INTO REHAB, TREATED AND RELEASED	NSI	Р9	NA
2010 9	15	9/15/2010	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	ANIMAL EUTHANIZED IN REHAB	DEAD	NA NA	NA
		5, 5, 5, 5		***************************************	•						
2010 9	15	9/15/2010	CALIFORNIA SEA LION	HARASSMENT	SAN FRANCISCO	CA	SI	~8" DART EMBEDDED IN FOREHEAD, NOT CAPTURED	SI	P9	NA
				CA HALIBUT AND				·			
				WHITE SEABASS							
				SET GILLNET							
2010 9	18	9/18/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2010 9	20	9/20/2010	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	BULLET HOLE IN NECK	DEAD	NA	NA
2010 9	26	9/26/2010	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA
								BULLET FOUND IN MESENTERY; APPEARS TO BE A .22			
2010 9	29	9/29/2010	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	GAUGE, ANIMAL EUTHANIZED IN REHAB	DEAD	NA	NA
								WOUNDS FROM A FISHING GAFF INJURY. ANIMAL TAKEN			
2010 10	1	10/1/2010	CALIFORNIA SEA LION	STAB WOUNDS	SAN DIEGO	CA	SI	INTO REHAB, TREATED AND RELEASED.	NSI	P9	NA
								FOREIGN OBJECT VENTRAL TO C4-C5 VERTEBRAE ON			
2010 10	2	40/2/2042	CALIFORNIA CEA LICAL	CHOOTING	MARIN	C4	CI.	RADIOGRAPHS, NOT REMOVED. ANIMAL TAKEN INTO	NCI	DO	
2010 10	3	10/3/2010	CALIFORNIA SEA LION	SHOOTING POWER PLANT	MARIN	CA	SI	REHAB, TREATED AND RELEASED	NSI	P9	NA
2010 10	5	10/5/2010	CALIEODNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO DOMED CENERATING STATION	DEAD	NA	NA
2010 10)	10/3/2010	CALIFORNIA SEA LION	MARINE DEBRIS	SAN DIEGO	CA	DEAD	ENTRAINMENT INTO POWER GENERATING STATION WIDE BLACK STIFF RUBBER BELT AROUND NECK.	DEAD	IVM	INA
2010 10	6	10/6/2010	CALIFORNIA SEA LION	ENTANGLEMENT	SAN MATEO	CA	SI	DISENTANGLED, ANIMAL RELEASED AT SITE	NSI	P7B	NA
2010 10	J	10/0/2010	CALII OMNIA JEA LION	MARINE DEBRIS	JAN WATEO	C/1	Ji	PLASTIC BAND 21.5 IN LONG AND 1/8 IN WIDE AROUND	1431	170	17/1
2010 10	10	10/10/2010	CALIFORNIA SEA LION	ENTANGLEMENT	HUMBOLDT	CA	SI	NECK. ANIMAL DIED IN REHAB.	DEAD	NA	NA
2010 10		-0, 10, 2010	J. ILII GIIIIIN GEN EIGIN	CA HALIBUT AND			51		ברוט	. 1/1	
				WHITE SEABASS							
				SET GILLNET							
2010 10	11	10/11/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
		, , .==		CA HALIBUT AND		-					
				WHITE SEABASS							
				SET GILLNET							
2010 10	11	10/11/2010	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			-		-				•		

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								SMALL BULLET HOLES (POSSIBLY FROM A .22 GUN) WITH			
2010 10	12	10/12/2010	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	SI	ASSOCIATED HEMORRHAGING ON RIGHT ABDOMEN; THORACIC AREA HEMORRHAGE.	SI	P12	NA
2010 10		10/12/2010	CALII OMNIA SEA LION	UNIDENTIFIED NET	CENTOO	OIL	31	MONACIC AREA NEMORITIAGE.	J1	112	14/4
				FISHERY				GILLNET PRESENT AROUND NECK AND MISCELLANEOUS			
2010 10	12	10/12/2010	CALIFORNIA SEA LION	ENTANGLEMENT	LOS ANGELES	CA	SI	MONOFILAMENT PRESENT ANIMAL DIED IN REHAB.	DEAD	NA	NA
2010 10	12	10/12/2010	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	SMALL BULLET HOLES IN ABDOMEN	DEAD	NA	NA
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER			
2010 10	14	10/14/2010	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	SYSTEM, RELEASED AT SITE	NSI	P9	NA
2010 10	26	10/26/2010	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	ENTERED SCREEN BAY THROUGH INTAKE TUNNEL	DEAD	NA	NA
2010 10	20	10/20/2010	CALII ORINIA SEA LION	UNIDENTIFIED NET	LOS ANGLELS	CA	DLAD	ENTERED SCREEN BAT THROUGHTWARE TOWNER	DEAD	IVA	INA
				FISHERY				GREEN MONOFILAMENT NETTING AROUND NECK. ANIMAL			
2010 11	3	11/3/2010	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	TAKEN INTO REHAB, TREATED AND RELEASED.	NSI	P7B	NA
2010 11	5	11/5/2010	CALIFORNIA SEA LION	SHOOTING	TILLAMOOK	OR	DEAD	BULLET WOUNDS	DEAD	NA	NA
2010 11	6	11/6/2010	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	BULLET WOUNDS	DEAD	NA	NA
2010 11	11	11/11/2010	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	BULLET WOUNDS	DEAD	NA	NA
								LINEAR LACERATION, LIKELY GAFF; 2 0.22 CALIBER BULLETS FOUND IN TISSUE, ONE BRASS AND ONE LEAD. ANIMAL			
2010 11	19	11/19/2010	CALIFORNIA SEA LION	SHOOTING	ORANGE	CA	SI	EUTHANIZED IN REHAB.	DEAD	NA	NA
2010 11	13	11/19/2010	CALIFORNIA SEA LION	31100111110	ORANGE	CA	31	EUTHANIZED IN REHAD.	DEAD	IVA	INA
								MULTIPLE PELLETS AND A LARGE CALIBER BULLET			
2010 11	21	11/21/2010	CALIFORNIA SEA LION	SHOOTING	MARIN	CA	DEAD	FRAGMENT WERE FOUND IN HEAD DURING NECROPSY.	DEAD	NA	NA
2010 11	23	11/23/2010	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	BULLET WOUNDS	DEAD	NA	NA
				UNIDENTIFIED NET							
		/ /		FISHERY				GREEN MONOFILAMENT NETTING AROUND NECK. ANIMAL			
2010 11) 11 24 11	11/24/2010	CALIFORNIA SEA LION	ENTANGLEMENT	VENTURA	CA	SI	TAKEN INTO REHAB, TREATED AND RELEASED.	NSI	P7B	NA
				UNIDENTIFIED				SEVERE ENTANGLEMENT INJURY AROUND NECK; EVIDENCE			
				FISHERY				OF OLD (HEALED) ENTANGLEMENT INJURY CAUSING SKULL			
2010 11	24	11/24/2010	CALIFORNIA SEA LION	INTERACTION	LOS ANGELES	CA	SI	DEFORMATION. ANIMAL DIED IN REHAB.	DEAD	NA	NA
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER			
2010 11	25	11/25/2010	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	SYSTEM, ANIMAL EUTHANIZED IN REHAB.	DEAD	NA	NA
								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			
2010 11	26	11/26/2010	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	RELEASED.	NSI	Р9	NA
2010 11	20	11/20/2010	CALII ORINIA SEA LION	HOOK & LINE	LOS ANGLELS	CA	31	FISHING HOOK IN LOWER RIGHT LIP. ANIMAL TAKEN TO	NOI	13	INA
2010 11	26	11/26/2010	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	NSI	REHAB, TREATED AND RELEASED.	NSI	P5C	NA
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER			
2010 11	27	11/27/2010	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	SYSTEM, RELEASED AT SITE	NSI	P9	NA
	_							GUNSHOT - HEAD, LEFT SIDE OF FACE AND MUZZLE.			
2010 12	8	12/8/2010	CALIFORNIA SEA LION	SHOOTING	MARIN	CA	SI	ANIMAL TRANSFERRED TO PUBLIC DISPLAY.	CAPTIVITY	P9	NA
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	NA
2010 12	23	12/23/2010	CALIFORNIA SEA LION	UNIDENTIFIED	IVIANIIV	CA	31	UNKNOWN	31	FOA	INA
				FISHERY				MONOFILAMENT LINE AROUND NECK. ANIMAL DIED IN			
2010 12	29	12/29/2010	CALIFORNIA SEA LION	INTERACTION	LOS ANGELES	CA	SI	REHAB	DEAD	NA	NA
								HAD WHAT LOOKED LIKE A PLASTIC BAND WRAPPED			
								TIGHTLY AROUND NECK AND CUTTING DEEPLY INTO TISSUE;			
				MADINE DEDDIC				ANIMAL MAY HAVE BEEN SHOWING DIFFICULTY BREATHING; ANIMAL WENT BACK INTO WATER AFTER			
2011 2	24	2/24/2011	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	LINCOLN	OR	SI	BEING APPROACHED CLOSELY BY PASSERS-BY	SI	P8A	NA
2011 2	24	2/24/2011	CALIFORNIA SEA LIUN	LINTAINGLEIVIEINI	LINCOLIN	UK	31	DISLOCATED LOWER JAW. ANIMAL TAKEN INTO	JI	FOA	INA
2011 2	25	2/25/2011	CALIFORNIA SEA LION	SEAL BOMB	LOS ANGELES	CA	SI	REHABILITATION. FINAL STATUS UNKNOWN	SI	Р9	NA
		_, _0, _011	J. I.I. CHARLES TO LEGIS	52.12.50.11.5		<u></u>	<u> </u>	MONOFILAMENT GILLNET AROUND NECK, CONSTRICTING.	<u></u>	.,	
								ANIMAL LETHARGIC, TRANSFERRED TO REHABILITATION.			
2011 2	28	2/28/2011	CALIFORNIA SEA LION	GILLNET FISHERY	SAN DIEGO	CA	SI	FINAL STATUS UNKNOWN.	SI	P8A	NA
								· · · · · · · · · · · · · · · · · · ·			

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Mont	h Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
				UNIDENTIFIED NET	•						
2044	40	2/42/2044		FISHERY	C			VELLOW DOUGHEST AND LINE NEED	C.	204	
2011 3	12	3/12/2011	CALIFORNIA SEA LION	ENTANGLEMENT		CA	SI	YELLOW 'POLY' FISHING NET AROUND NECK	SI SI	P8A	NA NA
2011 3	13	3/13/2011	CALIFORNIA SEA LION	GILLNET FISHERY HOOK & LINE	MONTEREY	CA	SI	MONOFILAMENT NETTING AROUND NECK	51	P8A	NA
2011 3	13	3/13/2011	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	FISHING LINE AROUND NECK	SI	P8A	NA
2011 5	- 15	3/13/2011	Orten Orthin Court Elon	CA HALIBUT AND	MONTENET	C/ (<u> </u>	TISTING EINE / NOONS NEON	5.	10/1	
				WHITE SEABASS							
				SET GILLNET							
2011 3	17	3/17/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2044 2		2/24/2044			100 11105150		C 1	GILLNET EMBEDDED IN NECK, TRANSFERRED TO	61	204	
2011 3	21	3/21/2011	CALIFORNIA SEA LION	HOOK & LINE	LOS ANGELES	CA	SI	REHABILITATION CENTER UNDERWEIGHT ANIMAL WITH HOOK IN NOSTRIL. ANIMAL	SI	P8A	NA
2011 4	3	4/3/2011	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	TAKEN INTO REHABILITATION FACILITY	SI	P5B	NA
2011 4		4/3/2011	CALII ORNIA SEA LION	POWER PLANT	ONANGE	CA	31	TAKEN INTO REHABILITATION FACILITY	31	rob	INA
2011 4	10	4/10/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL RELEASED FROM COOLING WATER SYSTEM	NSI	Р9	NA
2011 4	12	4/12/2011	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	BULLET WOUNDS	DEAD	NA	NA
				HOOK & LINE							
2011 4	16	4/16/2011	CALIFORNIA SEA LION	FISHERY	SANTA BARBARA	CA	SI	HUGE LURE IN MOUTH, BROKEN JAW.	SI	P5A, P10	NA
				HOOK & LINE							
2011 4	17	4/17/2011	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	THIN ANIMAL. FISHING LINE REMOVED FROM NECK	SI	P8A	NA
				HOOK & LINE				THIN ANIMAL. FISH HOOKS EMBEDDED UNDER LEFT EYE, RIGHT LIP, LEFT AND RIGHT FLIPPERS; GUMBALL ABSCESS			
2011 4	18	4/18/2011	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	LOWER LEFT MUZZLE	SI	P5B	NA
2011 4	10	4/10/2011	CALIFORNIA SEA EION	HISHERT	EOS ANGELES	C/A	31	GILLNET, ANIMAL TAKEN INTO REHAB, FINAL STATUS	31	135	IVA
2011 4	18	4/18/2011	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	UNKNOWN	SI	P8A	NA
				CA HALIBUT AND							
				WHITE SEABASS							
				SET GILLNET							
2011 4	20	4/20/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA HALIBUT AND WHITE SEABASS							
				SET GILLNET							
2011 4	21	4/21/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
		, ,		POWER PLANT		-					
2011 4	21	4/21/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	SAN ONOFRE	DEAD	NA	NA
2011 4	21	4/21/2011	CALIFORNIA SEA LION	VESSEL STRIKE	MONTEREY	CA	DEAD	HIT BY CAR	DEAD	NA	NA
		4. 4		POWER PLANT							
2011 4	24	4/24/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	DEAD	NA	NA
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2011 5	18	5/18/2011	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
				POWER PLANT				CARCASS FROM COOLING WATER SYSTEM OF POWER			
2011 5	1	5/1/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	PLANT	DEAD	NA	NA
				POWER PLANT							
2011 5	2	5/2/2011	CALIFORNIA SEA LION	ENTRAINMENT	LOS ANGELES	CA	NSI	LIVE ANIMAL RELEASED FROM COOLING WATER INTAKE	NSI	P9	NA
								ENTANGLED IN GREEN GILL NET AROUND NECK; SEVERAL			
								LACERATIONS THROUGH BLUBBER INTO MUSCLE LAYER.			
2011 5	4	5/4/2011	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	ANIMAL DIED DURING TRANSPORTATION TO REHAB.	DEAD	P8A	NA
		5/ 1/2011	5 O	MARINE DEBRIS		<u></u>	<u>. </u>	The second secon	55.0	10,1	
2011 5	8	5/8/2011	CALIFORNIA SEA LION	ENTANGLEMENT	LINCOLN	OR	SI	PLASTIC PACKING BAND CUTTING INTO NECK	SI	P8A	NA
			.	CA HALIBUT AND			· · · · · · · · · · · · · · · · · · ·			<u> </u>	· · · · · · · · · · · · · · · · · · ·
				WHITE SEABASS							
				SET GILLNET							
2011 5	10	5/10/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
								RADIOGRAPHS DURING POST-MORTEM EXAMINATION			
2011 5	14	5/14/2011	CALIFORNIA SEA LION	SHOOTING	ALAMEDA	CA	SI	SHOWED ~30 PELLETS OF DIFFERENT SIZES IN THE HEAD.	DEAD	Р9	NA
		2/11/2011	J O	5555	,	٠,٠	<u> </u>	THE PERSON OF THE PERSON WITH THE PERSON	55.5	.,	

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Dav	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
rear monen	Duy	Dute	openes -	meracion type	County Locale	517112	71556551116116	THIN ANIMAL WITH FISH HOOKS IN LEFT REAR FLIPPER,	71356331116116	Absessment	Value
								LEFT FRONT FLIPPER, AND RIGHT FRONT FLIPPER, ANIMAL			
				HOOK & LINE				TRANSFERRED TO REHABILITATION, FINAL STATUS			
2011 5	16	5/16/2011	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	UNKNOWN	SI	P1	NA
2011 5		3/10/2011	CALL CAMPAGE ELON	110112111	200711102223	<u> </u>	<u> </u>	ENTRAINMENT INTO POWER GENERATING STATION.			
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER			
2011 5	29	5/29/2011	CALIFORNIA SEA LION	ENTRAINMENT	SANTA CRUZ	CA	DEAD	SYSTEM.	DEAD	NA	NA
2011 5		3/23/2011	CALL CAMPAGE ELON	POWER PLANT	57.1177. 01.02	<u> </u>	52,15	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER	DE/10		
2011 5	31	5/31/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	INTAKE AREA	NSI	Р9	NA
		5/5-/-5						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			
2011 5	31	5/31/2011	CALIFORNIA SEA LION	GILLNET FISHERY	MONTEREY	CA	SI	BEACH ON 7/6/11.	DEAD	P8A	NA
2011 5		3/31/2011	CALL CAMPAGE ELON	POWER PLANT		<u> </u>	<u> </u>	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER	DE/10	10/1	
2011 6	3	6/3/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	INTAKE AREA	NSI	Р9	NA
2011 0		0,3,2011	CALL CAMPAGE ELON	EITTI UITTI EITTI	57.117 57.200	<u> </u>		THE PROPERTY.	1101	.,,	
2011 6	7	6/7/2011	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	MALNUTRITION, GILLNET LACERATION AROUND NECK	SI	P8A	NA
2011 0		0,7,2011	CALL CAMPAGE LIGHT	HOOK & LINE	01011102	<u> </u>	<u> </u>	ORANGE/SILVER FLASHER WITH 1.5 FEET OF LINE	<u> </u>	10/1	
2011 6	10	6/10/2011	CALIFORNIA SEA LION	FISHERY	coos	OR	SI	ATTACHED TO MOUTH	SI	P2	NA
2011 0	10	0/10/2011	CALII OMNIA SLA LION	POWER PLANT	0003	OIL	31	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER	31	r Z	IVA
2011 6	13	6/13/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	INTAKE AREA	NSI	Р9	NA
2011 0	13	0/13/2011	CALII OMNA SEA EION	POWER PLANT	SAN DIEGO	CA	1451	ANIMAL CAUGHT AND RELEASED FROM COOLING WATER	1451	13	11/4
2011 6	13	6/13/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	INTAKE AREA	NSI	P9	NA
2011 0	13	0/13/2011	CALII OMNIA SLA LION	HOOK & LINE	JAN DILGO	CA	1431	INTAKE AREA	INJI	гэ	INA
2011 6	14	6/14/2011	CALIFORNIA SEA LION	FISHERY	SANTA BARBARA	CA	NSI	FISHING LURE IN BACK. ANIMAL SENT TO REHAB FACILITY	NSI	P5C	NA
2011 0	14	0/14/2011	CALIFORNIA SEA LION	FISHERI	JANTA DANDANA	CA	IVSI	LETHARGIC, MODERATELY UNDERWEIGHT, MILDLY	IVSI	FJC	INA
								CONGESTED, ABRASION ON CHIN, UNRESPONSIVE TO CARS,			
								BAD LOCATION - TRAFFIC HAZARD. RADIOGRAPHS			
								SHOWED BUCKSHOT FRAGMENTS IN LEFT FRONT FLIPPER			
2011 6	4.5	C /4 E /2044	CALIFORNIA CEA LION	CHOOTING	CAN LLUC ODICDO	64	C1		CI	DO	
2011 6	15	6/15/2011	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	AND RIGHT REAR FLIPPER.	SI	P9	NA
				*******				SEA LION HAULED OUT WITH WHITE PLASTIC BAND OR			
2044 6		c /4 7 /2044		MARINE DEBRIS			61	FISHING LINE CUTTING INTO NECK. CUT WAS TOO DEEP TO	61	204	
2011 6	17	6/17/2011	CALIFORNIA SEA LION	ENTANGLEMENT	CLALLAM	WA	SI	DISCERN MATERIAL TYPE	SI	P8A	NA
2011 6	17	6/17/2011	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	HEAD BLOWN AWAY	DEAD	NA	NA
								MILDLY UNDERWEIGHT ANIMAL, DARK GREEN NYLON NET			
								WRAPPED AROUND NECK AND HEAD, ENTANGLEMENT			
				GILLNET				WAS LOOSE AND NOT CUTTING INTO THE SKIN OF THE			
				FISHERY/MARINE				ANIMAL. ALERT, ACTIVE, OPTED TO DISENTANGLE AND			
				DEBRIS				RELEASE AT SITE. ANIMAL INSTANTLY RETURNED TO			
2011 6	20	6/20/2011	CALIFORNIA SEA LION	ENTANGLEMENT	MARIN	CA	SI	OCEAN.	NSI	NA	NA
								ANIMAL DIED IN REHAB DUE TO GUNSHOT WOUND			
2011 6	21	6/21/2011	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	INJURIES	DEAD	P9	NA
				CA HALIBUT AND							
				WHITE SEABASS							
				SET GILLNET							
2011 6	27	6/27/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				POWER PLANT							
2011 6	27	6/27/2011	CALIFORNIA SEA LION	ENTRAINMENT	LOS ANGELES	CA	DEAD	ANIMAL CAUGHT IN SCREEN BAY AT POWER PLANT	DEAD	NA	NA
								MONOFILAMENT GILLNET. ANIMAL TRANSFERRED TO			
2011 6	27	6/27/2011	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	REHABILITATION. FINAL STATUS UNKNOWN.	SI	P8A	NA
								THIN ANIMAL WITH OLD GILLNET SCAR AROUND NECK;			
								LACERATION ALONG JAWLINE BELOW LEFT EYE; PUNCTURE			
								WOUNDS ON LEFT CHIN. ANIMAL TRANSFERRED TO			
2011 6	28	6/28/2011	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	REHAB, FINAL STATUS UNKNOWN.	SI	P8A	NA
								MONOFILAMENT GILLNET AROUND NECK. ANIMAL SENT			
2011 6	29	6/29/2011	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	TO REHAB, FINAL STATUS UNKNOWN.	SI	P8A	NA
								ENTRAINMENT INTO POWER GENERATING STATION;			
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM			
2011 7	6	7/6/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	AND RELEASED	NSI	P9	NA
						_					

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	n Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								PINK MONOFILAMENT ENTANGLEMENT AROUND NECK,			
	_	- /- /						SKIN BROKEN, 1 IN DEEP; MILDLY UNDERWEIGHT. ANIMAL			
2011 7	8	7/8/2011	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA CRUZ	CA	SI	TAKEN INTO REHAB, FINAL STATUS UNKNOWN. SIGNS OF HUMAN INTERACTION OBSERVED; CAN OF SPRAY	SI	P8A	NA
								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			
				MARINE DEBRIS				CONDITION OF CAN SUSPECT ANIMAL FOR HUMAN			
2011 7	9	7/9/2011	CALIFORNIA SEA LION	INGESTION	CLALLAM	WA	DEAD	INTERACTION.	DEAD	NA	NA
		.,,,,						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			
2011 7	14	7/14/2011	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	UNKNOWN.	SI	P8A	NA
2011 7	17	7/17/2011	CALIFORNIA SEA LION	SHOOTING	GRAY'S HARBOR	WA	DEAD	BULLET FRAGMENT FOUND ON RADIOGRAPH	DEAD	NA	NA
2011 /	- 17	7/17/2011	CALII OMNIA SEA EION	CA HALIBUT AND	GIVAT STIANDON	***	DEAD	BOLLET THACKIENT TOOKS ON HASIOGRAFT	DEAD	INC	NA.
				WHITE SEABASS							
				SET GILLNET				ANIMAL RELEASED ALIVE FROM GILLNET, NO TRAILING			
2011 7	20	7/20/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	SI	GEAR	NSI	P7B	NA
		, ,, ,		MARINE DEBRIS		-		ANIMAL DISENTANGLED FROM 'NETTING', TAKEN TO			
2011 7	25	7/25/2011	CALIFORNIA SEA LION	ENTANGLEMENT	VENTURA	CA	SI	REHAB CENTER	NSI	P7B	NA
				TRAWL FISHERY							
2011 7	28	7/28/2011	CALIFORNIA SEA LION	(UNKNOWN)	CLALLAM	WA	DEAD	TRIBAL FISHERY	DEAD	NA	NA
								LARGE SILVER SALMON FLASHER STUCK TO MOUTH;			
				HOOK & LINE				ANIMAL APPEARS SOMEWHAT THIN, FLOATING GENERALLY			
2011 8	2	8/2/2011	CALIFORNIA SEA LION	FISHERY	LINCOLN	OR	SI	MOTIONLESS AT SURFACE	SI	P2	NA
								NECROPSY RESULTS FOUND MULTIPLE GUNSHOTS;			
2011 8	3	8/3/2011	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	REMOVED 2 BULLETS AND 1 PELLET.	DEAD	P12	NA
				DOMED DI ANT				ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM			
2011 0		8/8/2011	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	AND RELEASED	NCI	P9	NIA
2011 8	8	0/0/2011	CALIFORNIA SEA LION	ENTRAINIVIENT	SAN DIEGO	CA	INSI	AND RELEASED	NSI	P9	NA
				POWER PLANT				ENTRAINMENT INTO POWER GENERATING STATION;			
2011 8	9	8/9/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
		0/0/-0						ENTANGLED IN PINK MONOFILAMENT GILL NET AROUND			
2011 8	16	8/16/2011	CALIFORNIA SEA LION	GILLNET FISHERY	VENTURA	CA	DEAD	NECK AND BODY.	DEAD	NA	NA
								ON BEACH OVERNIGHT, GOOD BODY CONDITION,			
								LETHARGIC. SMALL OOZING WOUND ON BACK. DIED IN			
								REHAB. NECROPSY FINDINGS: TRAUMA. GUNSHOT.			
2011 8	16	8/16/2011	CALIFORNIA SEA LION	SHOOTING	SANTA CRUZ	CA	SI	PNEUMONIA	DEAD	P12	NA
								APPEARS TO HAVE SEVERAL WRAPS OF LIGHT COLORED			
				*******				MATERIAL AROUND NECK, CUTTING INTO FLESH, DEBRIS			
2011	4-	0/47/2044		MARINE DEBRIS			61	ENTANGLEMENT; REPORTED AS "TUNA CABLE", REPORTED		204	
2011 8	17	8/17/2011	CALIFORNIA SEA LION	ENTANGLEMENT	COOS	OR	SI	AGAIN ON 8/20, SWIMMING UNDER OBF DOCK	SI	P8A	NA
								TEMPERATURE 99.0 F; FISH HOOK IN LEFT CHEEK; MULTIPLE			
								PUNCTURE WOUNDS CONSISTENT WITH GUNSHOT; FIRM			
2011 8	17	8/17/2011	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	NODULE LEFT LATERAL/VENTRAL NECK	SI	P12	NA
								•			
				POWER PLANT				ENTRAINMENT INTO POWER GENERATING STATION;			
2011 8	22	8/22/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
								GUNSHOT RIGHT SHOULDER. RED WAXY PAINT OR GREASE			
								MARKER ON ABDOMEN; RESPIRATION LABORED AND			
2044 -	_	0/4/55::	A					INCREASED; ABDOMEN DISTENDED; NOT USING REAR	6:		
2011 9	1	9/1/2011	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	FLIPPERS. FINAL OUTCOME UNKNOWN.	SI	P9	NA
								LETHARGIC, PUNCTURE NEAR SPINE, MODERATELY UNDERWEIGHT. GUNSHOT ON DORSAL SIDE OF ANIMAL,			
								BULLET FRAGMENTS WERE COLLECTED. ANIMAL WAS			
2011 9	4	9/4/2011	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI	EUTHANIZED IN REHAB	DEAD	P9	NA
2011 3	4	3/4/2011	CALII ORINIA JEA LION	JIIOOIIIIO	MONTENE	CA.	JI	COTTINUED IN VEHAD	DLAD	ГЭ	IVA

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Dav	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
real monar	Day	Dute	брескез	meraedon type	county Eocule	J.A.L.	riscisment	INFECTED WOUND CAUSED BY IMBEDDED BAND AROUND LOWER PORTION ON NECK, LARGE FLAP OF FLESH HANGING FREE UNDER THE NECK (~1 FOOT LONG), IT	Assessment	racesment	value
2044		0/0/2011		MARINE DEBRIS	50110146	0.0	61	APPEARS TO BE HAVING A DIFFICULT TIME LIFTING IT'S HEAD AND WALKING BUT IS VERY ACTIVE; WAS GONE NEXT	61	204	
2011 9	9	9/9/2011	CALIFORNIA SEA LION	ENTANGLEMENT	DOUGLAS	OR	SI	DAY A MALE CALIFORNIA SEA LION WAS ACCIDENTALLY	SI	P8A	NA
								CAPTURED AND DROWNED IN A SURFACE TRAWL FOR			
				RESEARCH				JUVENILE SALMON AS PART OF JUVENILE SALMON OCEAN			
2011 9	9	9/9/2011	CALIFORNIA SEA LION	ENTANGLEMENT	OFFSHORE	CA	DEAD	SURVEY.	DEAD	NA	NA
2011 3		3/3/2011	CALII OMNIA JEA LION	LIVIANOLLIVILIVI	OTTSHOKE	CA	DLAD	GREEN MONOFILAMENT NETTING AROUND NECK,	DLAD	INA	INA
2011 9	11	9/11/2011	CALIFORNIA SEA LION	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	BLEEDING, EMACIATED	SI	P1 AND P8A	NA
2011 5		3/11/2011	O/ LEI O MAIN COLF CLION	GIEERET FISHER	37.117.2013 0.0131 0	G/ (<u> </u>	SEA LION WAS ENTANGLED AT THE SURFACE OF A	<u> </u>	117111011071	
								RESEARCH NET, TAKING CHINOOK SALMON FROM THE			
								NET. AFTER BEING RELEASED, THE SEA LION WAS			
				RESEARCH				OBSERVED SWIMMING AROUND THE BOAT AND APPEARED			
2011 9	12	9/12/2011	CALIFORNIA SEA LION	ENTANGLEMENT	SOLANO	CA	NSI	UNHARMED	NSI	P7B	NA
											-
								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			
				RESEARCH				GOOD CONDITION. THE SEA LION WAS OBSERVED TAKING			
2011 9	15	9/15/2011	CALIFORNIA SEA LION	ENTANGLEMENT	SOLANO	CA	NSI	CHINOOK SALMON FROM THE NET.	NSI	P7B	NA
								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			
				RESEARCH				SEA LION WAS OBSERVED TAKING CHINOOK SALMON			
2011 9	15	9/15/2011	CALIFORNIA SEA LION	ENTANGLEMENT	SOLANO	CA	NSI	FROM THE NET.	NSI	P7B	NA
								BOTH EYES MISSING, THIN. METAL FRAGMENTS IN EYE			
2011 9	15	9/15/2011	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	SOCKET SUGGEST GUNSHOT TRAUMA.	DEAD	P9	NA
								LETHARGIC, WEAK, MODERATELY UNDERWEIGHT.			
								RADIOGRAPHS SHOWED BULLET FRAGMENT IN DORSAL			
								ASPECT OF LEFT FRONT FLIPPER, REMOVED DURING POST-			
2011 9	18	9/18/2011	CALIFORNIA SEA LION	SHOOTING	MONTEREY	CA	SI	MORTEM EXAMINATION	DEAD	P9	NA
				RESEARCH							
2011 9	20	9/20/2011	CALIFORNIA SEA LION	ENTANGLEMENT	SOLANO	CA	DEAD	DROWNED IN SCIENTIFIC RESEARCH NET	DEAD	NA	NA
								EMACIATED, LETHARGIC, SUSPECTED FORMER			
				MARINE DEBRIS				ENTANGLEMENT AROUND NECK; EUTHANIZED IN REHAB,			
2011 9	21	9/21/2011	CALIFORNIA SEA LION	ENTANGLEMENT	SONOMA	CA	SI	LEPTOSPIROSIS, CHRONIC DOMOIC ACID	DEAD	P8A	NA
								HIT BY A CAR AROUND MIDNIGHT. HEAD TRAUMA, JAW			
2011	25	0/25/204		VECCEI CED	MANTEREY		61	INJURY, BLEEDING FROM MOUTH AND GURGLING.	2512		
2011 9	25	9/25/2011	CALIFORNIA SEA LION	VESSEL STRIKE	MONTEREY	CA	SI	EUTHANIZED.	DEAD	P9	NA
								VEDVITUING MADA TO TOUCH NOT MOVING FROM THE			
								VERY THIN; WARM TO TOUCH; NOT MOVING FROM HIP			
2011 0	25	0/25/2011	CALIFORNIA CEA LICT	CHOOTING	LOC ANCELES		CI	REGION DOWN; BLEEDING FROM LEFT EAR; RIGHT EAR RED;	DEAD	DO.	N/A
2011 9	25	9/25/2011	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	MINOR ABRASIONS ON REAR FLIPPERS. NECROPSIED.	DEAD	P9	NA
								A COUPLE OF SUPERFICIAL ROPE-LIKE MARKS ON			
								FOREFLIPPER AND VENTRAL ABDOMEN. ANIMAL WAS			
								EMACIATED; MUSCLE SIGNFICANTLY REDUCED; BOTH			
								LUNGS "MEATY", FLATTENED, AND VERY CONGESTED;			
								HEART SEEMED SMALL WITH ENLARGED AURICLES;			
				MARINE DEBRIS				PULMONARY ARTERY VERY ENLARGED; KIDNEY VESSELS			
2011 9	28	9/28/2011	CALIFORNIA SEA LION	ENTANGLEMENT	CLATSOP	OR	DEAD	ENGORGED WITH BLOOD	DEAD	NA	NA
2011 3	40	2/20/2011	CALII ORIVIA SEA LION	LIVIANGLEIVIENI	CLAISUF	OΝ	DEAD	ENGONGED WITH DECOD	DLAD	INM	INU

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								APPEARS TO BE BLIND IN RIGHT EYE; 4 SHOTS BETWEEN EYES, ONE CLOSE TO RIGHT EYE, TWO OVER NOSE, SCRAPE ON UNDERSIDE OF RIGHT FRONT FLIPPER TIP; RAW EDGE			
2011 9	28	9/28/2011	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	ON RIGHT REAR FLIPPER	DEAD	P9	NA
								BULLET BEHIND LEFT EYE, UNALIGNED JAW, AND GOOD			
2011 10	1	10/1/2011	CALIFORNIA SEA LION	SHOOTING	SAN MATEO	CA	SI	BODY CONDITION	DEAD	P9	NA
								ENTRAINMENT INTO POWER GENERATING STATION;			
2011 10	4	10/1/2011	CALIFORNIA CEA LIONI	POWER PLANT	CAN DIECO	C4	NCI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	NCI	00	
2011 10	4	10/4/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	AND RELEASED	NSI	P9	NA
								LETHARGIC, GOOD BODY CONDITION, MULTIPLE SMALL			
								ROUND WOUNDS ON FACE. RADIOGRAPHS SHOWED			
								GUNSHOT TO THE HEAD, PELLET REMOVED FROM RIGHT			
								SIDE OF FACE. TEMPORARILY HOUSED 11/3-23/11 AT LML			
								FOR COGNITIVE ASSESSMENT. RADIOGRAPHS & MRI			
2011 10	4	10/4/2011	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	SHOWED GAS BUBBLES IN CEREBELLUM & CEREBRUM.	SI	P9	NA
								EMACIATED; SEVERE CUT UNDER JAW FROM GILL NET; LEFT			
2011 10	7	10/7/2011	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	EYE INJURED; BREATHING THROUGH LACERATION	SI	P1	NA
								MIDDLE OF ROAD, HIT BY CAR, DEAD WHEN RESCUE TEAM			
2011 10	7	10/7/2011	CALIFORNIA SEA LION	VESSEL STRIKE	MONTEREY	CA	DEAD	ARRIVED	DEAD	NA	NA
								ACTIVE SUB-ADULT WITH FISHING NET DEEPLY CUTTING			
2011 10	13 14	10/13/2011	CALIFORNIA SEA LION	GILLNET FISHERY	SAN DIEGO	CA OR	SI	INTO NECK	SI	P8A	NA NA
2011 10	14	10/14/2011	CALIFORNIA SEA LION	VESSEL STRIKE	CLATSOP	UK	DEAD	VERTEBRA DISLOCATED WITH ASSOCIATED NECROSIS ENTRAINMENT INTO POWER GENERATING STATION;	DEAD	NA	NA
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM			
2011 10	14	10/14/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	AND RELEASED	NSI	P9	NA
2011 10	17	10/14/2011	CALIFORNIA SEA EION	CA SWORDFISH	SAIN DIEGO	CA	1431	AND RECEASED	1431	13	NA.
				DRIFT GILLNET							
2011 10	23	10/23/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
				DRIFT GILLNET							
2011 10	23	10/23/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
				DRIFT GILLNET							
2011 10	23	10/23/2011	CALIFORNIA SEA LION	FISHERY CA SWORDFISH	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				DRIFT GILLNET							
2011 10	25	10/25/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2011 10	23	10/23/2011	CALII ORNIA SEA LION	CA SWORDFISH	OTTSHOKE	CA	DLAD	OBJERVER PROGRAM	DLAD	IVA	NA .
				DRIFT GILLNET							
2011 10	25	10/25/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
-				CA SWORDFISH							
				DRIFT GILLNET							
2011 10	25	10/25/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
	_			DRIFT GILLNET						_	
2011 10	25	10/25/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
2011 10	25	10/25/2011	CALIFORNIA SEA LION	DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2011 10	23	10/23/2011	CALII ONNIA SEA LION	CA SWORDFISH	OLIBUME	CH.	DEMU	ODJERVER F ROGRAMI	DEAD	INM	IVM
				DRIFT GILLNET							
2011 10	25	10/25/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			22.1 O.1.1 11 12 12 12 10 14	CA SWORDFISH	5.1.5.1.5.L	<u> </u>	50.0		52.15	10.	
				DRIFT GILLNET							
2011 10	25	10/25/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
-				CA SWORDFISH							
				DRIFT GILLNET							
2011 10	25	10/25/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Dav	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
			5,555.55	CA SWORDFISH	,	•					
				DRIFT GILLNET							
2011 10	27	10/27/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
2011 10	27	10/27/2011	CALIFORNIA SEA LION	DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2011 10		10/2//2011	CALIFORNIA SEA LION	CA SWORDFISH	OTTSTIONE	CA	DLAD	OBSERVER FROGRAM	DLAD	IVA	INA
				DRIFT GILLNET							
2011 10	27	10/27/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
2011 10	27	40/27/2044	CALIFORNIA CEA LION	DRIFT GILLNET	OFFCHORE	C4	DEAD	ODCEDVED DDOCDAM	DEAD	N1.0	
2011 10 2011 10	27 29	10/27/2011	CALIFORNIA SEA LION CALIFORNIA SEA LION	FISHERY VESSEL STRIKE	OFFSHORE CLATSOP	CA OR	DEAD DEAD	OBSERVER PROGRAM TREMENDOUS HEMORRHAGING	DEAD DEAD	NA NA	NA NA
2011 10	23	10/23/2011	CALIFORNIA SEA LION	VESSEE STRIKE	CLATSOF	OIL	DLAD	SEIZURES, GOOD BODY WEIGHT, GUNSHOT TO SPINE,	DLAD	IVA	INA
2011 10	31	10/31/2011	CALIFORNIA SEA LION	SHOOTING	SAN FRANCISCO	CA	SI	EUTHANIZED. NECROPSY PERFORMED.	DEAD	Р9	NA
				CA SWORDFISH							
				DRIFT GILLNET							
2011 11	8	11/8/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				HOOK & LINE				LOOSE FISHING LINE ENTANGLEMENT AROUND THE NECK NOT CUTTING INTO SKIN, LETHARGIC, COUGHING, MILDLY			
2011 11	13	11/13/2011	CALIFORNIA SEA LION	FISHERY	MONTEREY	CA	SI	UNDERWEIGHT	SI	P1	NA
2011 11	15	11/15/2011	CALIFORNIA SEA LION	MARINE DEBRIS	WONTERET	CA	31	ONDERWEIGHT	- 31	11	IVA
2011 11	15	11/15/2011	CALIFORNIA SEA LION	ENTANGLEMENT	CLATSOP	OR	DEAD	ROPE LIKE MARKS ON LEFT VENTRAL PELVIC REGION	DEAD	NA	NA
								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			
2011 11	17	11/17/2011	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	SI	PRESENT; LUNGS ABNORMAL	DEAD	Р9	NA
								·			
				POWER PLANT				ENTRAINMENT INTO POWER GENERATING STATION;			
2011 11	19	11/19/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
				DOWED DIANT				ENTRAINMENT INTO DOWER CENERATING STATION.			
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	NA	NA
2011 11	20	11/20/2011	CALIFORNIA SEA LION	LIVITALIVILLIVI	SAN DIEGO	CA	DLAD	ENTRAINMENT INTO POWER GENERATING STATION;	DLAD	IVA	INA
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM			
2011 11	26	11/26/2011	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	AND RELEASED	NSI	P9	NA
								OLD ENTANGLEMENT SCAR AROUND NECK. PINK SCAR ON			
	_			MARINE DEBRIS				FLIPPER. ANIMAL LEFT ON BEACH, FINAL OUTCOME			
2011 12	5	12/5/2011	CALIFORNIA SEA LION	ENTANGLEMENT CA SWORDFISH	MONTEREY	CA	DEAD	UNKNOWN.	DEAD	NA	NA
				DRIFT GILLNET							
2011 12	17	12/17/2011	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2011 12	18	12/18/2011	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	BULLET FOUND IN SKULL	DEAD	NA	NA
2011 12	19	12/19/2011	CALIFORNIA SEA LION	VESSEL STRIKE	PACIFIC	WA	DEAD	PROPELLER MARKS	DEAD	NA	NA
				CA SWORDFISH							
2011 12	20	12/20/2011	CALIFORNIA CEA LICE:	DRIFT GILLNET	OFFCHORE	C*	DEAD	ORSERVER REOCEANA	DEAD	814	NA
2011 12	30	12/30/2011	CALIFORNIA SEA LION	FISHERY POWER PLANT	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2012 1	3	1/3/2012	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT	DEAD	NA	NA
		1,0,2012	2 S S		3, 5.200	<u></u>	50.0	MONOFILAMENT GILLNET AROUND NECK. TRANSFERRED	55,15	101	
								TO REHAB FACILITY, TREATED AND RELEASED. ROTOTAG			
2012 1	5	1/5/2012	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	NUMBER 17883	NSI	NA	NA
								EUTHANIZED IN REHABILITATION FACILITY. NECROPSY			
2012 1	15	1/15/2012	CALIFORNIA SEA LION	SHOOTING POWER PLANT	MONTEREY	CA	SI	PERFORMED ANIMAL DISCOVERED IN STATION COOLING WATER	DEAD	P9	NA
2012 1	22	1/22/2012	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	SYSTEM.	DEAD	NA	NA
2012 1	22	1/22/2012	CALII ONIVIA SEA LION	CIVITIVALINIVIENT	JAN DIEGO	CA	DEAD	JIJILIVI.	DEAD	IVA	IVA

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Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
								THIN; FISHING LINE AND HOOKS IN MOUTH; FISHING LINE			
				HOOK & LINE				UNDER RIGHT REAR FLIPPER; MUCOUS MEMBRANES WHITE. TAKEN INTO REHAB, TREATED AND RELEASED.			
2012 1	25	1/25/2012	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	TAGGED WITH ORANGE ROTOTAG 26132.	NSI	P5A	NA
		, , ,		CA HALIBUT AND							
				WHITE SEABASS							
				SET GILLNET							
2012 1	12	1/12/2012	CALIFORNIA SEA LION	FISHERY CA HALIBUT AND	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				WHITE SEABASS							
				SET GILLNET							
2012 1	13	1/13/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA HALIBUT AND							
				WHITE SEABASS							
2012 1	47	4 /47 /2042	CALIFORNIA CEA LION	SET GILLNET	OFFCHORE	64	DEAD	ODCEDVED DDOCDAM	DEAD	818	
2012 1	17	1/17/2012	CALIFORNIA SEA LION	FISHERY CA HALIBUT AND	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				WHITE SEABASS							
				SET GILLNET							
2012 1	17	1/17/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA HALIBUT AND							
				WHITE SEABASS							
2012 1	17	1/17/2012	CALIFORNIA SEA LION	SET GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
012 1 17	1/1//2012	CALIFORNIA SEA LION	CA HALIBUT AND	OFFSHUKE	CA	DEAD	OBSERVER PROGRAMI	DEAD	INA	NA	
			WHITE SEABASS								
				SET GILLNET							
2012 1	17	1/17/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA HALIBUT AND							
				WHITE SEABASS SET GILLNET							
2012 1	18	1/18/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
		1,10,2012	CALLI CALANTOLA LICIT	CA HALIBUT AND	OTTOTIONE	C, t	52715	OBSERVERY NO ON WIN	52,10		
				WHITE SEABASS							
				SET GILLNET							
2012 1	18	1/18/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA HALIBUT AND WHITE SEABASS							
				SET GILLNET							
2012 1	19	1/19/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA HALIBUT AND							
				WHITE SEABASS							
2012	40	4 /40 /0040		SET GILLNET	055011005		2512	000500450 00000444	8548		
2012 1	19	1/19/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM SHOTGUN PELLET FOUND AT RIGHT VENTRAL MANDIBLE,	DEAD	NA	NA
								METAL SHARD FOUND AT LEFT LOWER EYELID; THREE			
								LARGE TUMORS LOCATED BETWEEN KIDNEYS, DIED ON			
2012 1	9	1/9/2012	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	SI	1/11/2012.	DEAD	P9	NA
						·					
								GUNSHOT TRACKING THROUGH RIGHT SIDE ORF HEAD,			
2012 1	9	1/9/2012	CALIFORNIA SEA LION	SHOOTING	GRAY'S HARBOR	14/4	DEAD	HYOID, BROKEN BONE, PERFORATED ESOPHAGUS, AND SHARDS OF BULLET FOUND BEHIND RIGHT EAR.	DEAD	NA	NΛ
2012 1	9	1/9/2012	CALIFORNIA SEA LION	SHUUTING	GRAT S HARBUK	WA	DEAD	BULLETS #1 AND #2, BOTH TRACKING IN FROM RIGHT SIDE	DEAD	NA	NA
2012 1	13	1/13/2012	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	OF THE HEAD AND INTO THE SKULL.	DEAD	NA	NA
					-			-			
								TRACKING WOUND ENTERING INTO THORACIC CAVITY AND			
2012 1	23	1/23/2012	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	INTO LUNGS, FOUND BULLET IN LEFT LOBE OF LUNGS.	DEAD	NA	NA
								RADIOGRAPHS SHOWED TWO BULLETS IN SKULL, BOTH FOUND UPON INTERNAL EXAMINATION OF SKULLL. TWO			
								TRACKING GUNSHOT WOUNDS FROM DORSAL SIDE OF			
2012 1	28	1/28/2012	CALIFORNIA SEA LION	SHOOTING	THURSTON	WA	DEAD	HEAD AND NECK.	DEAD	NA	NA
		-,,									

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								Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year I	Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
					POWER PLANT	,			SCATTERGOOD GENERATING STATION. ANIMAL ENTERED			
2012	2	5	2/5/2012	CALIFORNIA SEA LION	ENTRAINMENT	LOS ANGELES	CA	DEAD	THROUGH INTAKE TUNNEL	DEAD	NA	NA
					POWER PLANT				SCATTERGOOD GENERATING STATION. ANIMAL ENTERED			
2012	2	5	2/5/2012	CALIFORNIA SEA LION	ENTRAINMENT	LOS ANGELES	CA	DEAD	THROUGH INTAKE TUNNEL XRAY SHOWED ONE 22-CALIBER BULLET FROM RIFLE.	DEAD	NA	NA
									REMOVED FROM LEFT FRONT SHOULDER BLADE.; THIN,			
									INJURED LEFT FRONT FLIPPER. 6IN LONG X 3IN WIDE			
									WOUND. GUNSHOT WOUND FOUND IN XRAY. TAGGED			
									WITH ORANGE ROTOTAG #20373 PRIOR TO RELEASE FROM			
2012	2	11	2/11/2012	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	SEA WORLD REHAB FACILITY	NSI	P9	NA
									THIN; FISH HOOKS - ONE LEFT SHOULDER, TWO IN MOUTH; WOUND LOWER ABDOMEN; WOUND CENTER OF			
									SHOULDERS; MUCOUS MEMBRANES PALE AND WHITE.			
									TAGGED AND RELEASED WITH ORANGE ROTOTAG #26148			
					HOOK & LINE				FOLLOWING TREATMENT AT FORT MACARTHUR MARINE			
2012	2	12	2/12/2012	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	MAMMAL REHAB FACILITY.	NSI	P5A	NA
									ANIMAL EUTHANIZED IN REHABILITATION FACILITY. XRAY			
									SHOWED FIVE BUCKSHOTS FROM SHOTGUN. BULLETS			
									GRAZED EYE AND FOUND INSIDE HEAD CAVITY. ONE			
									REMOVED DURING NECROPSY.; GOOD WEIGHT, INJURED			
									LEFT EYE. GUNSHOT SHOWN IN XRAY.; COD: ACUTE			
									NECROTIZING TUBULONEPHRITISIS? LEPTOSPIROSIS;			
2012	2	15	2/15/2012	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	GUNSHOT WOUND	DEAD	P9	NA
									TEMPERATURE 102.1 F; FIRM NODUALS ON CAUDAL			
									ABDOMEN; SKIN LESIONS; BUMPS AND HOLE CONSISTENT			
								WITH PELLET/GUNSHOT; BLIND RIGHT EYE; CONGESTED.				
									TREATED AND RELEASED FROM REHAB FACILITY, TAGGED			
2012	2	20	2/20/2012	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	WITH ORANGE ROTOTAG #26149	NSI	P9	NA
									ANIMAL TAKEN INTO REHAB FACILITY AND DIED. THIN;			
									DEEP WOUND CIRCUMFERENTIAL WITH BLEEDING CAUSED			
									BY FISHING LINE; RUSTY FISH HOOK IN RIGHT FRONT			
					HOOK & LINE				FLIPPER;COUGHING; SEVERE RESPIRATORY DISTRESS; CAUSE OF DEATH HUMAN INTERACTION, FISHING LINE			
2012	2	29	2/29/2012	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	ENTANGLEMENT, HOOK.	DEAD	P8A	NA
			, ,		CA HALIBUT AND				,			
					WHITE SEABASS							
					SET GILLNET							
2012	2	2	2/2/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
					CA HALIBUT AND WHITE SEABASS							
					SET GILLNET							
2012	2	10	2/10/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			, ,		CA HALIBUT AND							
					WHITE SEABASS							
					SET GILLNET							
2012	2	10	2/10/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
									LINEAR CREASE MARKS OVER VENTRAL PELVIC REGION,			
2012	2	15	2/15/2012	CALIFORNIA SEA LION	GILLNET FISHERY	TILLAMOOK	OR	DEAD	GASH IN RIGHT AXIALLARY, SUGGESTIVE OF FISHERY ENTANGLEMENT	DEAD	NA	NA
2012		15	2/13/2012	S. IEII ONNIA SEA EION	S.ELINET FISHER	. ILLANIOON	Oit	DEAD	SMALL BULLET HOLE AT RIGHT ANTERIOR FLIPPER; HEAD	DEAD	INCS.	1973
2012	2	4	2/4/2012	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	GONE.	DEAD	NA	NA
									INTERNAL AND EXTERNAL EXAM OF SKULL PERFORMED,			
									ONE BULLET FOUND, ENTERING LEFT ABOVE AND SLIGHTLY			
									ANTERIOR TO LEFT EAR PINNAE. BULLET TRACKS THROUGH			
2012	2	26	2/26/2012	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	SKULL AND BRAIN CAVITY	DEAD	NA	NA
							·					
					MANDING DECREE				YELLOW PACKING STRAP EMBEDDED IN NECK, GOOD BODY			
2012	3	9	3/9/2012	CALIFORNIA SEA LION	MARINE DEBRIS ENTANGLEMENT	CAN EDANCISCO	CA	SI	CONDITION, ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED. FIRST OBSERVED ENTANGLED IN JULY 2011.	NCI	P7B	NA
2012	3	9	3/9/2012	CALIFORNIA SEA LION	ENTANGLEWENT	SAIN FRAINCISCU	CA	31	RELEASED. FIRST OBSERVED ENTANGLED IN JULY 2011.	NSI	P/B	INA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

V		D	Data	Consider	lata a stilla Tara	Countrilocale	CTATE	Initial Injury	Community	Final Injury	SI Criteria Supporting	SI Proration
Year I	viontn	Day	Date	Species	Interaction Type HOOK & LINE	County.Locale	STATE	Assessment	Comments FISHING CABLE AND HOOK IN MOUTH. REMOVED BY TEAM	Assessment	Assessment	Value
2012	3	9	3/9/2012	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	SI	AND RELEASED AT SITE.	NSI	P5C	NA
			3/3/2012	CALL CHARACTER	110112111	57.117 57.200	O, t		GILLNET FRAGMENT AROUND NECK. ANIMAL TAKEN INTO	1101	130	
									REHAB, TREATED AND RELEASED. TAGGED WITH ORANGE			
2012	3	12	3/12/2012	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	ROTOTAG #26259.	NSI	P7B	NA
									THIN; MULTIPLE PUNCTURES-LEFT FLIPPER/SHOULDER-			
									CHARACTERISTIC OF PELLETS/BULLETS INTRUSION; LEFT			
									REAR FLIPPER CUTS DORSALLY AND VENTRALLY; MUCOUS			
2012	3	13	3/13/2012	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	MEMBRANES PALE. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED. ORANGE ROTOTAG #26151 APPLIED.	NSI	P9	NA
2012	3	13	3/13/2012	CALIFORNIA SEA LION	3110011110	LO3 ANGELES	CA	31	GILLNET FRAGMENT AROUND NECK. ANIMAL TAKEN INTO	IVSI	ra e	NA .
									REHAB, TREATED AND RELEASED. TAGGED WITH ROTOTAG			
2012	3	15	3/15/2012	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	# 17890	NSI	P7B	NA
			0,10,101		POWER PLANT			-	ANIMAL DISCOVERED IN STATION COOLING WATER		··-	
2012	3	20	3/20/2012	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	SYSTEM, RELEASED ALIVE TO BEACH.	NSI	P9	NA
					POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER			
2012	3	24	3/24/2012	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	SYSTEM, RELEASED ALIVE TO BEACH.	NSI	Р9	NA
									ANIMAL PREVIOUSLY TAGGED (ORANGE ROTOTAG 27261			
									LEFT FRONT FLIPPER), RESTRANDED AND WAS BEING FED			
									BY PUBLIC. ANIMAL TRANSFERRED TO CAPTIVE FACILITY.			
2012	2	25	2/25/2012	CALIFORNIA CEA LION	LIADACCNAENT	DEL MODTE	C4	NCI	FINAL STATUS TREATED AS 'DEAD' BECAUSE ANIMAL WAS	DEAD	DO.	
2012	3	25	3/25/2012	CALIFORNIA SEA LION	HARASSMENT	DEL NORTE	CA	NSI	REMOVED FROM WILD POPULATION.	DEAD	P9	NA
								THIN, DEHYDRATED. FIVE FISH HOOKS REMOVED FROM				
				HOOK & LINE				STOMACH AREA. ANIMAL TAKEN INTO REHAB, TREATED				
2012	3	25	3/25/2012	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	SI	AND RELEASED WITH ORANGE ROTOTAG #20386.	NSI	P5C	NA
			0,10,1011		CA HALIBUT AND	***************************************						
					WHITE SEABASS							
					SET GILLNET							
2012	3	8	3/8/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
					CA HALIBUT AND							
					WHITE SEABASS							
					SET GILLNET							
2012	3	12	3/12/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
									EXTERNAL AND LIMITED INTERNAL EXAM FOUND BULLET FRAGMENT LODGE IN LOWER JAW, ENTRY WOUND JUST IN			
									FRONT OF RIGHT EAR. STOMACH HAD PARTIALLY DIGESTED			
2012	3	1	3/1/2012	CALIFORNIA SEA LION	SHOOTING	KING	WA	DEAD	FISH.	DEAD	NA	NA
2012			3/1/2012	CALII OMNIA SEA EION	3110011140	KIIVO	****	DEAD	TRACKING WOUND BEHIND THE EAR FOUND BULLET JUST	DEAD	TVA	147
2012	3	2	3/2/2012	CALIFORNIA SEA LION	SHOOTING	PIERCE	WA	DEAD	OUTSIDE THE RIGHT SIDE BACK OF SKULL.	DEAD	NA	NA
									REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
									IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
					AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2012	4	12	4/12/2012	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
									REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
									IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
					AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2012	4	25	4/25/2012	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
									REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
					AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2012	4	25	4/25/2012	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
2012	4	23	4/23/2012	CALIFORNIA SEA LION	REIVIOVAL	COLUMBIA NIVER	VVA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	DEAD	IVA	IVA
									IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
					AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2012	4	25	4/25/2012	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
		. / /		AUTHORIZED				IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
2012 4	25	4/25/2012	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	120. ANIMAL TRANSFERRED TO SHEDD AQUARIUM. REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	CAPTIVITY	NA	NA
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2012 4	3	4/3/2012	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
2012 4	<u> </u>	4/3/2012	CALII OMNIA JEA LION	KEIVIOVAL	COLONIDIA NIVEN	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON	DEAD	IVA	INA
								IN COLUMBIA RIVER, AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2012 4	3	4/3/2012	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2012 4	30	4/30/2012	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2012 4	30	4/30/2012	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
2042		1/0/2012		AUTHORIZED			*****	120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE	5545	***	
2012 4	9	4/9/2012	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
								PACKING STRAP AND FISH LINE CIRCUMFERENTIAL WOUND			
								AROUND NECK - 3 CM DEEPLY EMBEDDED. ANIMAL TAKEN			
				MARINE DEBRIS				INTO REHAB, TREATED AND RELEASED. TAGGED WITH			
2012 4	1	4/1/2012	CALIFORNIA SEA LION	ENTANGLEMENT	LOS ANGELES	CA	SI	ORANGE ROTOTAG #26279.	NSI	P8A	NA
2012 4		7/1/2012	CALII OMNIA SEA EION	ENTANGLEMENT	EOS ANGELES	CA	J1	ENTANGLEMENT AROUND HEAD NEAR EARS. NO DETAILS	1451	10/1	14/4
				MARINE DEBRIS				ON TYPE OF MATERIAL. ANIMAL TAKEN INTO REHAB,			
2012 4	2	4/2/2012	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	TREATED AND RELEASED.	NSI	P8A	NA
-								UNDERWEIGHT ANIMAL ON PORCH OF PEBBLE BEACH			
								RESIDENT BROUGHT TO REHAB CENTER BY MEMBER OF THE			
								PUBLIC. ANIMAL WAS TREATED AND RELEASED. THIS WAS			
								A RESTRAND OF ROTOTAG #7522, MAY REPRESENT			
2012 4	12	4/12/2012	CALIFORNIA SEA LION	PUBLIC RESCUE	DEL NORTE	CA	SI	HABITUATION.	NSI	Р9	NA
								THIN, DEHYDRATED. SWOLLEN LEFT REAR FLIPPER. RIFLE			
								BULLET IN RIGHT HIP JOINT. FOUND DURING XRAY.			
								EXTRACTED BULLET. FISH HOOK IN CHEST. ANIMAL			
2012 4	12	4/12/2012	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	RELEASED AND TAGGED WITH ORANGE ROTOTAG #20423.	NSI	P9	NA
2012 4	1.4	4/14/2012	CALIFORNIA CEA LION	POWER PLANT	CAN DIECO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER	DEAD	NA	NIA
2012 4	14	4/14/2012	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	SYSTEM. ANIMAL DISCOVERED IN STATION COOLING WATER	DEAD	NA	NA
				POWER PLANT				SYSTEM. RELEASED TO BEACH WITHOUT INJURIES.			
2012 4	15	4/15/2012	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	NSI	PHOTOS TAKEN.	NSI	P9	NA
	10	., 10, 2012	22.i 0	POWER PLANT	3,11, 5,2,00	U ,		ANIMAL DISCOVERED IN STATION COOLING WATER			
2012 4	19	4/19/2012	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	SYSTEM.	DEAD	NA	NA
					* *						
								PREGNANT; PRESUMPTIVE DOMOIC ACID TOXICOSIS.			
								EXTREMELY LETHARGIC. ON MAY 4, 2012 XRAY SHOWED			
								PELLETS FROM SHOTGUN IN CHEST AREA. TREATED IN			
2012 4	20	4/20/2012	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	REHAB, TAGGED AND RELEASED WITH ROTOTAG #20410.	NSI	Р9	NA
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER		<u></u>	
2012 4	30	4/30/2012	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	SYSTEM.	DEAD	NA	NA
								6 PELLETS FOUND IN TISSUE ON TOP OF HEAD AND RIGHT			
								SIDE OF ROSTRUM. TISSUE HAD HEALED OVER, NO			
2042		. / /	A.UEARUU: *******				B	HEMORRHAGE OR TRACKING WOUNDS, DID NOT	DE:-		
	11	4/11/2012	CALIFORNIA SEA LION	SHOOTING	MASON	WA	DEAD	PENETRATE SKULL. NOT CAUSE OF MORTALITY.	DEAD	NA NA	NA NA
2012 4	7	4/7/2012	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	BULLET ENTRANCE/EXIT HOLES IN HEAD.	DEAD	NA	NA

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								Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
	Month		Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
2012	4	25	4/25/2012	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	BULLET COLLECTED FROM STOMACH	DEAD	NA	NA
2012	5	16	5/16/2012	CALIFORNIA SEA LION	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	NA
2012	5	16	5/16/2012	CALIFORNIA SEA LION	AUTHORIZED REMOVAL	COLUMBIA RIVER	WA	ALIVE	REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION 120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE FACILITY AVAILABLE.	DEAD	NA	NA
2042	_	_	5/5/2012		POWER PLANT	100 11105150		2542	SCATTERGOOD GENERATING STATION - LADWP CIRCULATING WATER SCREEN BAY (ENTERED THROUGH	2542		
2012	5	5	5/5/2012	CALIFORNIA SEA LION	ENTRAINMENT	LOS ANGELES	CA	DEAD	INTAKE TUNNEL).	DEAD	NA	NA
2012	5	6	5/6/2012	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	XRAY SHOWED THAT ANIMAL SWALLOWED LARGE FISHING HOOK. THIN, DEHYDRATED. XRAY SHOWED INTERNAL DAMAGE. ANIMAL EUTHANIZED IN REHAB FACILITY.	DEAD	P2	NA
2012	5	10	5/10/2012	CALIFORNIA SEA LION	HOOK & LINE FISHERY	SAN DIEGO	CA	SI	FISHING LINE EMBEDDED AROUND NECK. THIN, DEHYDRATED. ANIMAL TAKEN INTO REHAB AND DIED. EMBEDDED FISHING LINE WITH BACTERIAL MYOSITIS. ANIMAL DESCRIPTION STATION COOLING MATER.	DEAD	P8A	NA
2012	5	11	5/11/2012	CALIFORNIA SEA LION	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	NSI	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM. RELEASED TO BEACH.	NSI	P9	NA
2012		11	5/11/2012	CALIFORNIA SEA LION	HOOK & LINE	ORANGE	CA	SI	FISH HOOK IN RIGHT FLIPPER WITH ASSOCIATED ABCESS, ANIMAL DEHYDRATED. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED. TAGGED WITH ORANGE ROTOTAG LEFT FRONT FLIPPER # 22313.	NSI	P5C	NA NA
					HOOK & LINE				MULTIPLE FISH HOOKS FOUND IN XRAY. 2 INTERNAL AND 1 ON SIDE. ANIMAL TAKEN INTO REHAB, TREATED AND			
2012	5	15	5/15/2012	CALIFORNIA SEA LION	FISHERY	SAN DIEGO	CA	SI	RELEASED. TAGGED WITH ORANGE ROTOTAG #20430.	NSI	P5C	NA
2012	-	24	E /24 /2012	CALIFORNIA CEA LION	POWER PLANT	CAN DIECO	C4	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER	DEAD	***	
2012	5	21	5/21/2012	CALIFORNIA SEA LION	POWER PLANT	SAN DIEGO	CA	DEAD	SYSTEM. ANIMAL DISCOVERED IN STATION COOLING WATER	DEAD	NA	NA
2012	5	28	5/28/2012	CALIFORNIA SEA LION	ENTRAINMENT	CAN DIECO	CA	DEAD	SYSTEM.	DEAD	NA	NA
		30	5/30/2012	CALIFORNIA SEA LION	HOOK & LINE	SAN DIEGO SANTA CRUZ	CA	SI	SALMON LURE HOOKED IN MOUTH, ANIMAL BARELY BREATHING, HEAD SWAY, PALE GUMS, EYES ROLLED IN THE BACK OF ITS HEAD. ANIMAL DIED DURING TRANSPORT TO REHAB FACILITY.			
2012			5/7/2012		MARINE DEBRIS		OR		MARINE DEBRIS; PACKING BAND,HAS TIGHT LIGATURE AROUND NECK FROM APPARENT PLASTIC PACKING BAND; ANIMAL IS QUITE ROBUST, APPEARS TO BE CHRONIC	DEAD	NA NA	NA NA
2012	5		3/1/2012	CALIFORNIA SEA LION	ENTANGLEMENT	LINCOLN	UK	SI	INJURY. FISHING LURE HOOKED IN MOUTH, ACCORDING TO CALLER,	SI	P8A	NA
2012	5	7	5/7/2012	CALIFORNIA SEA LION	HOOK & LINE FISHERY	COLUMBIA	OR	SI	"LOOKS TRAUMATIZED"; LARGE THIN LURE HOOKED IN MOUTH"; FINAL DISPOSITION UNKNOWN.	SI	P5A	NA
2012	5	30	5/30/2012	CALIFORNIA SEA LION	SHOOTING	CLALLAM	WA	DEAD	BULLET HOLE AND TRACKING WOUND ADJACENT TO RIGHT EYE, BLOOD COMING OUT OF WOUND. DID NOT PERFORM COMPLETE NECROPSY. ANIMAL VERY HEALTHY BODY CONDITION, "6CM BLUBBER THICKNESS. HEMORRHAGE IN HEAD AND BODY; POSSIBLE BULLET HOLES THROUGH BODY CAVITY; LUNGS VERY FIRM, CONGESTED, AND CONTAINED A MODERATE TO HEAVY	DEAD	NA	NA
2012	5	4	5/4/2012	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	AMOUNT OF LOOSE BLACK FLECKS (DECOMPOSED ENCYSTED PARASITES?). SHOT IN HEAD (BULLET COLLECTED).	DEAD	NA	NA
2012	5	4	5/4/2012	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	TWO SUSPICIOUS HOLES (BULLET?) AT LEFT ANTERIOR SHOULDER, BULLET LODGED IN LEFT PARIETAL; SKULL COMPLETELY EXPOSED; MANDIBLES GONE.	DEAD	NA	NA

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	h Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								CHALLOW CIDCUMATED TAITIAL DACKING CTDAD INJUIDA			
				MARINE DEBRIS				SHALLOW CIRCUMFERENTIAL PACKING STRAP INJURY AROUND NECK. ANIMAL TAKEN INTO REHAB, TREATED			
2012 6	4	6/4/2012	CALIFORNIA SEA LION	ENTANGLEMENT	LOS ANGELES	CA	NSI	AND RELEASED WITH ORANGE ROTOTAG #26257.	NSI	P8A	NA
2012 0	-	0/4/2012	CALII OIINIA JEA LION	LIVIANOLLIVILIVI	LOS ANGLLES	CA	1451	MONOFILAMENT GILLNET AROUND NECK, ANIMAL TAKEN	1431	ron	INA
								INTO REHAB, TREATED AND RELEASED WITH ROTOTAG			
2012 6	7	6/7/2012	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	#17918.	NSI	P8A	NA
								ENTANGLEMENT CUT INTO NECK - NO ENTANGLEMENT			
								DEBRIS, LETHARGIC, ON DRIVE-ON BEACH, EMACIATED.			
				MARINE DEBRIS				ANIMAL TAKEN TO REHAB FACILITY, TREATED AND			
2012 6	28	6/28/2012	CALIFORNIA SEA LION	ENTANGLEMENT	SAN LUIS OBISPO	CA	SI	RELEASED.	NSI	P8A	NA
								A CALIFORNIA SEA LION WAS HOOKED IN THE LIP DURING			
								THE SHARK LONGLINE SURVEY AND WAS BROUGHT TO THE			
								VESSEL IN EXCELLENT CONDITION. BECAUSE IT WAS VERY			
								ACTIVE, FOR THE SAFETY OF THE CREW AND SCIENTISTS,			
								THE ANIMAL WAS NOT RAISED OUT OF THE WATER ON THE			
								SHARK CRADLE TO REMOVE THE HOOK. RATHER A LONG			
								HANDLED CUTTER WAS USED TO CUT THE LEADER AS CLOSE			
								TO THE ANIMAL AS POSSIBLE, WITHIN LESS THAN ONE			
								FOOT FROM THE HOOK. THE TIME AT WHICH THE SEA LION			
								WAS BROUGHT TO THE VESSEL AND RELEASED WAS 00:40			
								GMT. THE SEA LION SWAM AWAY VIGOROUSLY. WHILE THE			
								SEA LION DID NOT APPEAR TO BE OTHERWISE INJURED, THE			
								INFORMATION ABOVE INDICATES IT WAS RELEASED			
				050540611				INJURED DUE TO THE HOOK. THE HOOKS USED ARE NOT			
				RESEARCH LONGLINE				STAINLESS AND THE EYE WILL LIKELY RUST OUT WITHIN DAYS DROPPING THE LEADER IF THE HOOK DOES NOT FALL			
2012 6	24	6/24/2012	CALIFORNIA SEA LION	HOOKING	OFFSHORE	CA	NSI	OUT FIRST.	NSI	P5B	NA
2012 0	24	0/24/2012	CALII OIINIA JEA LION	HOOKING	OTTSHOKE	CA	1451	MARINE DEBRIS,LINE OR ROPE AROUND NECK/BODY;	1431	FJD	INA
				MARINE DEBRIS				CUTTING IN A BIT, SOME SCARRING; LOOKS LIKE "NATURAL			
2012 6	1	6/1/2012	CALIFORNIA SEA LION	ENTANGLEMENT	coos	OR	SI	FIBER, BRAIDED" ROPE.	SI	P8A	NA
				MARINE DEBRIS				MARINE DEBRIS, WIRE OR OTHER MATERIAL WRAPPED			
2012 6	5	6/5/2012	CALIFORNIA SEA LION	ENTANGLEMENT	coos	OR	SI	TIGHTLY AROUND NECK.	SI	P8A	NA
								DEAD SEA LION ON NORTH SIDE TIP OF WAADAH ISLAND			
								WAS INITIALLY REPORTED BY PHONE ON 6/30/12. RP			
								DESCRIBED SEA LION AS LARGE, DARK BROWN TO BLACK			
								FUR. ON 7/1/12, AA WENT PAST IN BOAT AND CONFIRMED			
								BUT WAS UNABLE TO LAND DUE TO SEA CONDITIONS. IN			
								AM ON 7/2/12, AA AND PG FROM NMML APPROACHED			
								ISLAND WITH R/V RESEARCH 3 AND AA LANDED ON ISLAND			
								FOR EXAM AND MEASUREMENTS. AT EXAM, SKULL HAD			
								ALREADY BEEN CUT OFF, CARCASS APPEARED SLIGHTLY			
								BLOATED, AND FAT WAS LEACHING THROUGH SKIN AND			
								COLLECTING ON BODY, NO SCAVENGING APPARENT. AA			
								CUT OPEN ABDOMEN TO ENCOURAGE SCAVENGERS.			
								EVIDENCE OF HUMAN INTERACTION: EXTERNAL EXAM			
								ONLY. SIGNS OF HUMAN INTERACTION: SKULL CUT OFF OF			
								CARCASS. ANIMAL APPEARED IN EXCELLENT BODY			
								CONDITION (BASED ON EXTERNAL EXAM - VERY FAT, LOTS			
								OF BLUBBER, FAT LEACHING FROM CARCASS). IT IS POSSIBLE THAT ANIMAL COULD HAVE BEEN SHOT BUT NO			
				UNIDENTIFIED				EVIDENCE DUE TO NO INTERNAL EXAM CONDUCTED (DUE			
				FISHERY				TO CARCASS CONDITION AND LOCATION) AND NO SKULL			
2012 6	30	6/30/2012	CALIFORNIA SEA LION	INTERACTION	CLALLAM	WA	DEAD	ATTACHED.	DEAD	NA	NA
2012 0	30	0/30/2012	CALII ONIVIA SEA LION	INTENACTION	CLALLAIVI	VVA	DEAD	ALTACHED.	DEAD	IVM	IAW

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						Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
							ANIMAL HAD EXCELLENT BODY CONDITION; CLEARLY SHOT			
							IN NECK THREE TIMES, WITH ONE BULLET TRACK GOING			
							THROUGH PERICARDIUM; EYES BLOOD-FILLED;			
							HEMORRHAGE ON HEAD, BODY, AND SOME ORGANS;			
2012 6 1	6/1/2012	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	BLOODY FLUID IN ABDOMINAL CAVITY	DEAD	NA	NA
							ANIMAL HAD EXCELLENT BODY CONDITION; OBVIOUS			
							BULLET HOLES WITH ASSOCIATED HEMORRHAGE THROUGH			
							BODY AND VARIOUS ORGANS; SUBSTANTIAL BLOOD IN			
							THORACIC AND ABDOMINAL CAVITIES; SOME INTESTINES			
2012 6 3	6/3/2012	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	IN THORACIC CAVITY.	DEAD	NA	NA
							ANIMAL HAD EXCELLENT BODY CONDITION; CLEAR BULLET			
							HOLES AND TRACKS WITH ASSOCIATED HEMORRHAGING IN			
							NECK AND BODY; SOME FISH BONES AND A SUBSTANTIAL			
							AMOUNT OF BLOOD ENCOUNTERED IN ESOPHAGUS			
2012 6 10	6/10/2012	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	DURING HEAD REMOVAL.	DEAD	NA	NA
	-,,									
							POOR NUTRITIONAL CONDITION; LOWER LEFT CANINE			
							TOOTH BROKEN AND TOOTH CAUDAL TO THAT MISSING;			
							SIGNIFICANT RESISTANCE DUE TO A FIRM OBSTRUCTION			
							AROUND LARYNX; RAPID RESPIRATION; PULMONARY			
							PARASITISM; FISH HOOK IN STOMACH; PELLET IN NECK;			
							AZOTEMIA, CLINICAL FINDING (POSSIBLE LEPTOSPIROSIS);			
			HOOK & LINE				CAUSE OF DEATH ESOPHAGEAL STRICTURE WITH ABSCESS.			
2012 7 1	7/1/2012	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	ANIMAL DIED IN REHAB.	DEAD	P2	NA
							MALNOURISHED AND FISHERY INJURY- FISH HOOKS IN			
							FRONT FLIPPER, UNDERWEIGHT, DEHYDRATED; COD:			
			HOOK & LINE				STARVATION; SEVERE PARASITIC INFESTATION. ANIMAL			
2012 7 9	7/9/2012	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	DIED IN REHAB CENTER.	DEAD	P5C	NA
							TEMPERATURE 104.2; PUS AND MUCOUS IN MOUTH;			
							COUGHING; CIRCUMFERENTIAL GILL NET INJURY; COD:			
							SEVERE PULMONARY PARASITE LOAD WITH MULTIFOCAL			
							GRANULOMAS; SEVERE INTESTINAL PARASITE LOAD;			
							CHRONIC CIRCUMFERENTIAL GILL NET INJURY WITH			
							MYOSITIS AND SCAR FORMATION. ANIMAL DIED IN REHAB			
2012 7 21	7/21/2012	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	FACILITY.	DEAD	P8A	NA
							MONOFILAMENT GILLNET, INTERNAL BLEEDING. ANIMAL			
2012 7 22	7/22/2012	CALIFORNIA SEA LION	GILLNET FISHERY	SANTA BARBARA	CA	SI	DIED IN REHAB.	DEAD	P8A	NA
				-		-	2-3 CM VENTRALLY X 2-3 CM DEEP GILL NET LACERATION			
							AROUND NECK. ANIMAL TREATED AND RELEASED FROM			
2012 7 23	7/23/2012	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	REHAB, ORANGE ROTOTAG #26272.	NSI	P8A	NA
2012 / 25	. / 23/ 2012	S. ILII OMNIA SEA LION	G.LLINET FIGURER	200 ANGLES	CA	J.	nervis, on more nototho #20272.	1431	100	1973
							ENTANGLEMENT AROUND FACE AND NECK, PINK GUMS.			
			MARINE DEBRIS				1.5 INCHES CUT ON BACK OF NECK, MILDLY UNDERWEIGHT.			
2012 7 29	7/29/2012	CALIFORNIA SEA LION	ENTANGLEMENT	MONTEREY	CA	SI	ANIMAL TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P8A	NA
2012 / 29	1122/2012	CALII ONNIA SEA LIUN	LIVIAINGLEIVIEIVI	INIONTENET	CA	JI	HOOKS IN MOUTH AND FLIPPERS. ANIMAL TREATED AND	ICFI	r OM	IVM
			HOOK & LINE				RELEASED FROM REHAB. ANIMAL TAGGED WITH ROTOTAG			
2012 7 31	7/21/2012	CALIEODNIA CEALION		CANTA DADDADA	C^	CI		NCI	DEC	N/A
2012 7 31	7/31/2012	CALIFORNIA SEA LION	FISHERY CA HALIBUT AND	SANTA BARBARA	CA	SI	#17927	NSI	P5C	NA
			WHITE SEABASS							
			SET GILLNET							
2012 7 17	7/17/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			CA HALIBUT AND							
			WHITE SEABASS							
			SET GILLNET							
2012 7 17	7/17/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
							MARINE DEBRIS, LARGE BAND OF PLASTIC AROUND NECK;			
			MARINE DEBRIS				"CUTTING HALF OF NECK"; NO FURTHER DETAILS			
2012 7 5	7/5/2012	CALIFORNIA SEA LION	ENTANGLEMENT	COOS	OR	SI	AVAILABLE.	SI	P8A	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								PHOTOGRAPHED AND ASSESSED BY VOLUNTEER: MULTIPLE			
								SMALL HOLES (10 AT LEAST) TO THE FRONT RIGHT SIDE OF			
								BODY. SEEMED TO HAVE PARTIALLY HEALED. WERE NOT			
								MADE AFTER DEATH. SMALL HOLES IN MIDDLE OF HAIRLESS			
								CIRCLE INDICATED THEY HAD BEEN INFECTED. POSSIBLE			
								SHOTGUN? VERY LITTLE DECOMPOSITION BEYOND			
								SWELLING OF EYE AND MOUTH TISSUE. COVERED WITH			
								FUR, TEETH IN GOOD CONDITION, LOOKED HEALTHY WITH			
								A GOOD FAT LAYER. APPEARS TO HAVE MULTIPLE			
								PUNCTURE WOUNDS WITH IMBEDDED SHOTGUN			
2012 7	20	7/20/2012	CALIFORNIA SEA LION	SHOOTING	CURRY	OR	DEAD	FRAGMENTS.	DEAD	NA	NA
		, ,						HEALING PROPELLER WOUND ON DORSAL MID-BACK.			
								ROBUST ANIMAL VERY ACTIVE AND ALERT IN SURF,			
2012 7	31	7/31/2012	CALIFORNIA SEA LION	VESSEL STRIKE	CLATSOP	OR	NSI	DEPARTED BEACH SAME DAY.	NSI	P15	NA
								REMOVAL OF ANIMAL PREYING ON ENDANGERED SALMON			
								IN COLUMBIA RIVER. AUTHORIZED UNDER MMPA SECTION			
				AUTHORIZED				120. ANIMAL KILLED BY LETHAL INJECTION, NO CAPTIVE			
2012 8	30	8/30/2012	CALIFORNIA SEA LION	REMOVAL	COLUMBIA RIVER	WA	ALIVE	FACILITY AVAILABLE.	DEAD	NA	NA
								GILL NET ENTANGLEMENT VENTRALLY 1 CM DEEP AND 2			
								CM WIDE AROUND NECK. ANIMAL TREATED AND			
2012 8	3	8/3/2012	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	RELEASED FROM REHAB, TAGGED WITH ROTOTAG #26278.	NSI	P8A	NA
								PRELIMINARY FINDINGS: PULMONARY PARASITISM;			
				LICOK O LINE				GASTROINTESTINAL PARASITISM; CHRONIC FISHING LINE			
2042 0		0/4/2012	CALIFORNIA CEA LION	HOOK & LINE	LOC ANGELES	C4	C.	ENTANGLEMENT WITH LACERATION. ANIMAL DIED	DEAD	DOA	***
2012 8	4	8/4/2012	CALIFORNIA SEA LION	FISHERY	LOS ANGELES	CA	SI	DURING TRANSPORT.	DEAD	P8A	NA
								EMACIATED, RIGHT EYE INJURY, BAD LOCATION - TRAFFIC			
								HAZARD. WE RECOVERED A VERY SMALL FRAGMENT OF			
								SHOT WHEN WE EXTRACTED THE CANINE ROOTS AT			
								SURGERY; SEE DISPOSITION & COLLECTED REPORTS.			
2012 9	2	9/2/2012	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	RELEASED FROM REHABILITATION FACILITY.	NSI	Р9	NA
		-7-7				• .					
								TEMPERATURE 103 F; INCREASED RESPIRATION; MUCOUS			
								MEMBRANES PALE; SINGLE KNOTTED FISH LINE (COULD BE			
								GILL NET) AROUND NECK 2 CM WIDE AND 0.5 CM DEEP.			
2012 9	3	9/3/2012	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	TREATED AND RELEASED FROM REHAB FACILITY.	NSI	P8A	NA
								LETHARGIC, EUTHANIZED IN REHAB FACILITY, BULLETS			
								REMOVED FROM BACK AND NECK ON POST-MORTEM.;			
								HISTOLOGY AND SEE DISPOSITION & SPECIMENS			
2012 9	9	9/9/2012	CALIFORNIA SEA LION	SHOOTING	SAN LUIS OBISPO	CA	SI	COLLECTED REPORTS.	DEAD	P9	NA
								RESTRAND; ORANGE ROTOTAG RFF #19981; OLD GILL NET			
								SCAR AROUND NECK; NOTCH ON RIGHT FRONT FLIPPER;			
								HIGH WHITE CELL COUNT. TREATED AND RELEASED FROM			
2012 9	10	0/40/2042	CALIFORNIA CEA LION	CILL NET FIGURERY	LOC ANGELES	C4	61	REHAB WITH NEW TAG #26283 (OLD TAG BARELY	CI	D4	
2012 9	10	9/10/2012	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	READABLE).	SI	P1	NA
				HOOK & LINE				TREBLE HOOK ON LEFT FOREFLIPPER. TAKEN TO REHAB,			
2012 9	12	9/12/2012	CALIFORNIA SEA LION	FISHERY	SANTA BARBARA	CA	NSI	TREATED AND RELEASED WITH ROTOTAG #17938.	NSI	P5C	NA
		3/12/2012	SILLIA SEA LION	POWER PLANT	J. III. I DAILDAILA		.101			. 30	
2012 9	20	9/20/2012	CALIFORNIA SEA LION	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL FOUND IN POWER PLANT INTAKE SYSTEM	DEAD	NA	NA
		-, -,									
								THIN, LETHARGIC. IN SAME AREA FOR THREE DAYS.			
								BUCKSHOT GUNSHOT WOUND FOUND DURING NECROPSY.			
								COD: 1. PRESUMPTIVE PAST DOMOIC ACID INTOXICATION;			
								? CHRONIC HIPPOCAMPAL NECROSIS AND ATROPHY AND			
								SUBACUTE NON-SUPPURATIVE MENINGOENCEPHALITIS?			
								PERICARDIAL AND THORACIC EFFUSION PRESUMPTIVELY			
								ASSOCIATED WITH MYOCARDIAL DEGENERATION.			
2012 9	20	9/20/2012	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	EUTHANIZED IN REHABILITATION FACILITY.	DEAD	P9	NA

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V 84	D	D-4-	C	lata a atia a Tara	Country Locale	CTATE	Initial Injury	Comments	Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type UNIDENTIFIED	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
				FISHERY				ANIMAL FOUND WITH ROPE TIED AROUND BODY BELOW			
2012 9	24	9/24/2012	CALIFORNIA SEA LION	INTERACTION	VENTURA	CA	DEAD	PECTORAL FLIPPERS.	DEAD	NA	NA
								MULTIPLE GUNSHOT WOUNDS RESULTING IN PARALYSIS.			
2012 9	29	9/29/2012	CALIFORNIA SEA LION	SHOOTING	LOS ANGELES	CA	SI	EUTHANIZED IN REHAB.	DEAD	Р9	NA
								ANIMAL HAD EXCELLENT BODY CONDITION; BULLET HOLE			
								ON LEFT ABDOMINAL LATERAL SIDE AND A LARGER HOLE IN			
								LEFT VENTRAL THORAX, WITH HEMORRHAGE			
2042		0/0/0040		SUCCESS	0.47000		5545	THROUGHOUT MUCH OF ANIMAL; INTESTINES SEVERELY	2512		
2012 9	2	9/2/2012	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	TWISTED. ANIMAL HAD GOOD BODY CONDITION; BULLET HOLES IN	DEAD	NA	NA
								BODY AND ONE THROUGH LIVER WITH ASSOCIATED			
								HEMORRHAGE; NECK SWOLLEN AND HEMORRHAGED;			
								VENTRAL MANDIBLE AND AROUND TRACHEA			
								BRUISED/HEMORRHAGED; LIVER COVERED WITH			
2012 9	4	9/4/2012	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	"CALCIFIED" GRIT.	DEAD	NA	NA
								SEVERAL GASH MARKS/INDENTATIONS ON BODY AND			
								FLIPPERS; THREE BROKEN RIBS ASSOC. W/RUBBED HOLE IN			
								LEFT DIAPHRAGM; MUCH PUS-LIKE BLOOD IN THORACIC			
								CAVITY; FOAM AND MUCUS/INFECTION IN LEFT LUNG;			
2012 9	9	9/9/2012	CALIFORNIA SEA LION	VESSEL STRIKE	CLATSOP	OR	DEAD	STOMACH DETACHED FROM SMALL INTESTINES	DEAD	NA	NA
2042 0	20	0/20/2012	CALIFORNIA CEA LION	CHOOTING	DACIFIC	14/4	DEAD	BULLET HOLES, TRACKS, AND ASSOCIATED HEMORRHAGE	DEAD	ALA.	
2012 9	20	9/20/2012	CALIFORNIA SEA LION	SHOOTING	PACIFIC	WA	DEAD	IN NECK AND BODY.	DEAD	NA	NA
								SHOT PELLETS WOUNDS IN HEAD AND NECK IN ADDITION			
								TO PENENTRATING WOUND TO ABDOMINAL CAVITY AND			
								INTESTINES WITH LARGE AMOUNT OF ASSOCIATED			
								ABDOMINAL CAVITY FLUID SUGGESTS GUN SHOT IS CAUSE			
2012 9	11	9/11/2012	CALIFORNIA SEA LION	SHOOTING	KITSAP	WA	DEAD	OF DEATH, PELLETS RECOVERED.	DEAD	NA	NA
								EMBEDDED ENTANGLEMENT AROUND NECK, MILDLY			
				MARINE DEBRIS				UNDERWEIGHT. ANIMAL TREATED AT REHAB FACILITY AND			
2012 10	4	10/4/2012	CALIFORNIA SEA LION	ENTANGLEMENT	SAN FRANCISCO	CA	SI	RELEASED.	NSI	P8A	NA
								ADULT MALE WITH LARGE WOUND ON RIGHT SIDE OF			
								FACE. MISSING RIGHT EYE. OTHERWISE GOOD BODY			
								CONDITION. XRAY SHOWED BUCKSHOT ON SIDE OF FACE			
2042 40	_	40/5/2042		SUCCESS			61	AND CHEST. ANIMAL TREATED AND RELEASED WITH	NG	20	
2012 10	5	10/5/2012	CALIFORNIA SEA LION	SHOOTING	SAN DIEGO	CA	SI	ORANGE ROTOTAG #20446. GILL NET EMBEDDED AROUND NECK, REMOVED ON	NSI	P9	NA
2012 10	13	10/13/2012	CALIFORNIA SEA LION	GILLNET FISHERY	ORANGE	CA	SI	PLATFORM AND RELEASED.	NSI	P8A	NA
2012 10	13	10/13/2012	CALII OMNIA JEA LION	OILLINET TISHERT	ONANGE	CA	31	GILL NET AT BASE OF NECK; PENIS DISTENDED AND	NOI	ron	INA
								TESTICULAR SWELLING; SWOLLEN ABDOMEN; URINE			
								BLOODY; COD: GILLNET INJURY;; GUNSHOT;			
				SHOOTING /				UROABDOMEN, RUPTURED BLADDER, CYSTITIS;			
2012 10	21	10/21/2012	CALIFORNIA SEA LION	GILLNET FISHERY	LOS ANGELES	CA	SI	PARAPHIMOSIS.	DEAD	P9	NA
				CA SWORDFISH							
				DRIFT GILLNET							
2012 10	10	10/10/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
2042 47	40	40/40/00:5		DRIFT GILLNET	055511005		8548	ODSERVED DROCKALL	2512		
2012 10	13	10/13/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH DRIFT GILLNET							
2012 10	19	10/19/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2012 10	13	10/13/2012	CALIFORNIA SEA LION	CA HALIBUT AND	OFFSHURE	CA	DEAD	OBJERVER FROGRAM	DEAD	IVM	INA
				WHITE SEABASS							
				SET GILLNET							
2012 10	4	10/4/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month D	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
								7CM ORANGE ACOUSTIC TAG WRAPPED IN GAUZE BY A			
								RUBBER BAND AND A 2 CM WIRE WAS RECOVERED FROM			
								ITS STOMACH. THE ACOUSTIC TAG WAS FROM THE			
				MARINE DEBRIS				STOMACH OF A CHINOOK SALMON TAGGED AT THE			
2012 10	1	10/1/2012	CALIFORNIA SEA LION	INGESTION	KITSAP	WA	DEAD	BALLARD LOCKS.	DEAD	NA	NA
								ADCCECC ON DACK EMACIATED DELIVEDRATED FIGURIOOK			
				HOOK & LINE				ABSCESS ON BACK, EMACIATED, DEHYDRATED, FISH HOOK RIGHT FRONT FLIPPER. TREATED AND RELEASED FROM			
2012 11	8	11/8/2012	CALIFORNIA SEA LION	FISHERY	ORANGE	CA	SI	REHAB FACILITY, TAGGED WITH ORANGE ROTOTAG #22388.	NSI	P5C	NA
2012 11	0	11/8/2012	CALII ORINIA SEA LION	HISHERI	ONANGL	CA	31	REHAB FACILITY, FACILITY WITH CHANGE ROTOTAG #22588.	INSI	rsc	INA
								TEMPERATURE 100.8 F; ABRASIONS RIGHT FRONT FLIPPER;			
								BILATERAL ABRASIONS AROUND EYES AND NOSE;			
								ABDOMEN DISTENDED; PLASTIC TIE AROUND NECK MILD			
				MARINE DEBRIS				SKIN INDENTATION. TREATED AND RELEASED FROM REHAB			
2012 11	18	11/18/2012	CALIFORNIA SEA LION	ENTANGLEMENT	LOS ANGELES	CA	SI	FACILITY, TAGGED WITH ORANGE ROTOTAG #26306.	NSI	P8A	NA
						•		CIRCULAR WOUND ON LEFT THORAX, CONSISTENT WITH			
								OTHER KNOWN BULLET ENTRY WOUNDS. ANIMAL			
								HYPOTHERMIC, OPEN-MOUTH BREATHING. EUTHANIZED			
2012 11	20	11/20/2012	CALIFORNIA SEA LION	SHOOTING	ORANGE	CA	SI	IN REHAB FACILITY.	DEAD	P9	NA
		, , ,		CA SWORDFISH							
				DRIFT GILLNET							
2012 11	3	11/3/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
				DRIFT GILLNET							
2012 11	4	11/4/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
								TWO SMALL PUNCTURE WOUNDS AT LOWER LEFT			
2012 11	26	11/26/2012	CALIFORNIA SEA LION	SHOOTING	LANE	OR	DEAD	ABDOMEN - APPEARS TO BE BULLET WOUNDS	DEAD	NA	NA
				CA SWORDFISH							
				DRIFT GILLNET							
2012 12	11	12/11/2012	CALIFORNIA SEA LION	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
								ANIMAL WASHED BACK OUT TO SEA PRIOR TO NECROPSY;			
								WASHED ASHORE AGAIN AT 1ST AVENUE IN SEASIDE, OR			
								ON 1/2/13; CLEAR BULLET HOLES IN RIGHT ABDOMEN			
								W/ASSOC. HEMORRHAGE; INTESTINES VERY TWISTED;			
2012 12	13	12/13/2012	CALIFORNIA SEA LION	SHOOTING	CLATSOP	OR	DEAD	ANIMAL HAD EXCELLENT BODY CONDITION.	DEAD	NA	NA
								ANIMAL HAD GOOD TO EXCELLENT BODY CONDITION;			
								SUBSTANTIAL PROPELLER CUT MARKS ALONG LEFT LATERAL			
								SIDE OF BODY WITH ASSOCIATED HEMORRHAGING,			
2012 12	27	12/27/2012	CALIFORNIA SEA LION	VESSEL STRIKE	CLATSOP	OR	DEAD	BEGINNING AT LEFT SCAPULA; A LOT OF BLOOD IN THORACIC CAVITY AND PERICARDIUM	DEAD	NA	NA
2012 12	21	12/2//2012	CALIFORNIA SEA LION	VESSEL STRIKE	CLATSOP	UK	DEAD	THORACIC CAVITY AND PERICARDIONI	DEAD	NA NA	INA
2008 10	19	10/19/2008	FIN WHALE	VESSEL STRIKE	LOS ANGELES	CA	DEAD	CARCASS BROUGHT INTO HARBOR ON BOW OF FREIGHTER	DEAD	NA	NA
2000 10		10/13/2000	1117 77177.22	VESSEE STRIKE	203711102223	<u> </u>	52,15	CHICAGO SHOCOTH INTO THINDS NOT DOWN OF THE CONTEN	02710		
								FREE-SWIMMING ANIMAL TOWING UNIDENTIFIED FISHING			
				UNIDENTIFIED				GEAR; REPORT RECEIVED VIA CALIFORNIA LARGE WHALE			
				FISHERY				DISENTANGLEMENT NETWORK MEMBER; NO RESCUE			
2009 1	13	1/13/2009	FIN WHALE	INTERACTION	LOS ANGELES	CA	SI (PRORATE)	EFFORT INITIATED; FINAL STATUS UNKNOWN	SI (PRORATE)	L10	0.75
										*	*
								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			
2009 2	2	2/2/2009	FIN WHALE	VESSEL STRIKE	SAN DIEGO	CA	DEAD	EXAMINED BY SWFSC PERSONNEL)	DEAD	NA	NA

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								Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year I	Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
									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;			
2009	4	10	4/10/2009	FIN WHALE	VESSEL STRIKE	LOS ANGELES	CA	DEAD	CARCASS EXAMINED BY LACMNH PERSONNEL	DEAD	NA	NA
									U.S. NAVY VESSEL COLLIDED WITH FREE-SWIMMING			
									ANIMAL; BLOOD & FLESH OBSERVED IN WATER; SPECIES			
									I.D. DETERMINED THROUGH GENETIC ANALYSIS OF SKIN			
2000	-	_	F /C /2000	FININALIALE	VECCEI CEDIVE	CAN DIECO	C4	CI.	TISSUE BY SWFSC PERSONNEL; PRESUMED MORTALITY.	CI.	164	
2009	5	6	5/6/2009	FIN WHALE	VESSEL STRIKE	SAN DIEGO	CA	SI	VESSEL SIZE = 567 FT. VESSEL SPEED = 16 KTS.	SI	L6A	1
									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;			
					UNIDENTIFIED				FINAL STATUS UNKNOWN; MAY BE A RESIGHT OF ANIMAL			
					FISHERY				FROM 13-JAN. ASSIGNED AS L2 BECAUSE OF LENGTH OF			
2009	6	8	6/8/2009	FIN WHALE	INTERACTION	SAN DIEGO	CA	SI	GEAR TRAILING ANIMAL, IMPLIES GREAT DRAG.	SI	L2	1
									BROUGHT IN ON THE BOW OF THE CONTAINER SHIP INTO			
									THE PORT OF TACOMA BLAIR WATERWAY. TOWED TO			
2000		_	0/7/2000	E18114/1141E	VECCEI CEDIVE	DIEDOE		5545	MCNEIL ISLAND FOR NECROPSY BY WDFW AND CRC ON	2542		
2009	8	7	8/7/2009	FIN WHALE	VESSEL STRIKE	PIERCE	WA	DEAD	8/8/09. SEE ATTACHED REPORT FOR MORE INFORMATION. ANIMAL BROUGHT INTO PORT OF OAKLAND IMPINGED ON	DEAD	NA	NA
2010	9	16	9/16/2010	FIN WHALE	VESSEL STRIKE	ALAMEDA	CA	DEAD	BOW OF SHIP	DEAD	NA	NA
2010		10	3/10/2010	THEVEL	VESSEE STRIKE	ADAMEDA	CA	DEAD	BOW OF STILL	DEAD	147	IVA
2010	9	20	9/20/2010	FIN WHALE	VESSEL STRIKE	SAN FRANCISCO	CA	DEAD	BROKEN VERTEBRAE, LINEAR LACERATION	DEAD	NA	NA
									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			
					UNIDENTIFIED				MM THICK BUNDLE OF LINE; TRAVELING WITH ANOTHER			
					FISHERY				FIN WHALE, EST 20 M LONG, "MEANDERING IN THE AREA";			
2011	7	31	7/31/2011	FIN WHALE	INTERACTION	MARIN	CA	SI	NO RESIGHTS, NO RELEASE, FINAL OUTCOME UNKNOWN	SI	L2	1
									FRACTURES ALONG 4 METER LENGTH OF VERTEBRAL			
									COLUMN AND SIGNIFICANT MUSCLE HEMORRHAGE			
									SURROUNDING THIS AREA INDICATE ANTE-MORTEM SHIP			
2011	4.4	10	44/40/2045	FININALIALE	VECCEI CERVICE	CAN DIECO	C4	DEAD	STRIKE. CARCASS SUNK 5 MILES OFF LA JOLLA AS PART OF	DEAD	N/A	
2011	11	19	11/19/2011	FIN WHALE	VESSEL STRIKE	SAN DIEGO	CA	DEAD	WHALE FALL STUDY.	DEAD	NA	NA
									FRACTURED RIBS, VERTEBRAE. NECROPSY PERFORMED BY			
									FRANCES GULLAND AT THE MARINE MAMMAL CENTER AND			
2012	6	21	6/21/2012	FIN WHALE	VESSEL STRIKE	MARIN	CA	DEAD	NATIONAL PARK SERVICE PERSONNEL.	DEAD	NA	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Inium		Final Injury	CI Cuitaria Cupportina	CI Dravation
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
			•	,,	•						
								NECROPSY REPORT, DR. DUANE TOM: MORPHOLOGIC			
								DIAGNOSES OF PATHOLOGICAL LESIONS: -NOTE:			
								ALTHOUGH FRESHLY APPEARING EXTERNALLY, THERE WAS			
								SIGNIFICANT AUTOLYSIS INTERNALLYLARGE CAVERNOUS			
								ABSCESS ALONG L DORSAL THORAX. FRACTURE OF A LEFT			
								TRANSVERSE VERTEBRAL PROCESS WITH REACTIVE BONE			
								AND SEQUESTRA, THOUGH SUBACUTE TRAUMA AND			
								OSTEOMYELITIS ANOTHER POSSIBLE RULE-OUT. GROSS NECROPSY SUMMARY DIAGNOSIS: THE ANIMAL APPEARS			
								TO HAVE SUCCUMBED AN INJURY CONSISTENT WITH AN			
								IMPACT TRAUMA ALONG ITS LEFT DORSAL BODY BY A			
								LARGE OBJECT (SHIP STRIKE) RESULTING IN SEVERE			
								MUSCULOSKELETAL TRAUMA AND SUBSEQUENT NECROSIS			
								OF THE TISSUES. THE FRACTURE AND REACTIVE BONE THAT			
								COMMUNICATED WITH THE RESULTANT CAVERNOUS			
								ABSCESS MAY INDICATE CHRONICITY DUE TO A PREVIOUS			
								INJURY THAT WOULD BE CONSISTENT WITH THE			
								SUPERFICIALLY ADJACENT CUTANEOUS SCARS, OR			
2012 12	2	42/2/2042	FININALIALE	VECCEI CEDIVE	LOC ANGELES	C4	DEAD	OSTEOMYELITIS ASSOCIATED WITH THE MORE ACUTE	DEAD	A1.A	N.A.
2012 12	3	12/3/2012	FIN WHALE	VESSEL STRIKE	LOS ANGELES	CA	DEAD	SUSPECT IMPACT TRAUMA.	DEAD	NA	NA
								CARCASS; PROPELLER-LIKE WOUNDS TO LEFT DORSUM			
								FROM MID-BODY TO CAUDAL PEDUNCLE; DEEP EXTERNAL			
								BRUISING ON RIGHT SIDE OF HEAD; FIELD NECROPSY			
2008 2	7	2/7/2008	GRAY WHALE	VESSEL STRIKE	ORANGE	CA	DEAD	REVEALED MULTIPLE CRANIAL FRACTURES	DEAD	NA	NA
								CARCASS BROUGHT INTO PORT ON BOW OF CRUISE SHIP;			
								COLLISION OCCURRED BETWEEEN PORTS OF SAN DIEGO &			
2000 2	1	2/4/2000	CDAYMALE	VECCEI CEDIVE	MENICO	C4	DEAD	CABO SAN LUCAS BETWEEN 5:00 P.M. ON 2/28 & 7:20 A.M. ON 3/1	DEAD	A1.A	N.A.
2008 3	1	3/1/2008	GRAY WHALE	VESSEL STRIKE	MEXICO	CA	DEAD	FREE-SWIMMING ANIMAL TOWING UNIDENTIFIED	DEAD	NA	NA
				LOBSTER TRAP				POT/TRAP GEAR; USCG REPORTED GEAR AS 4 LOBSTER			
2009 1	31	1/31/2009	GRAY WHALE	ENTANGLEMENT	SAN DIEGO	CA	SI (PRORATE)	POTS; FINAL STATUS UNKNOWN	SI (PRORATE)	L10	0.75
-							,	FREE-SWIMMING ANIMAL WITH PINK GILLNET WRAPPED	` '		
								AROUND HEAD, TRAILING 4 FEET OF VISIBLE NETTING;			
								REPORT RECEIVED VIA NATURALIST ON LOCAL			
2000		2 /25 /2000	00.43/14/14/15	OU LIVET FIGURES	0044405		CI (DD CD ATE)	WHALEWATCH VESSEL; NO RESCUE EFFORT INITIATED;	CI (DD CD ATE)	140	0.75
2009 3	25	3/25/2009	GRAY WHALE	GILLNET FISHERY	ORANGE	CA	SI (PRORATE)	FINAL STATUS UNKNOWN	SI (PRORATE)	L10	0.75
								NECROPSIED, BROKEN BONES IN SKULL; EXTENSIVE			
2009 4	4	4/4/2009	GRAY WHALE	VESSEL STRIKE	PACIFIC	WA	DEAD	HEMORRHAGE HEAD AND THORAX; SUB-ADULT MALE	DEAD	NA	NA
		, ,						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
								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 &			
2009 4	5	4/5/2009	GRAY WHALE	VESSEL STRIKE	ORANGE	CA	DEAD	RESTRANDED AT TORREY PINES STATE BEACH ON 12-APR; CARCASS EXAMINED BY LACMNH & SWFSC PERSONNEL	DEAD	NA	NA
2009 4	3	4/3/2009	GRAT WHALE	VESSEL STRIKE	UNAINGE	CA	DEAU	THICK BLACK LINE WRAPPED TWICE AROUND WHALE'S	DEAD	INA	INA
								BODY POSTERIOR TO THE EYES. PRIVATE CITIZEN CUT AND			
				MARINE DEBRIS				PULLED AWAY THE LINES. ANIMAL SWAM AWAY AND			
2009 4	9	4/9/2009	GRAY WHALE	ENTANGLEMENT	SITKA	AK	SI	DOVE.	SI	L10	0.75
								LARGE AMOUNT OF BLOOD IN BODY CAVITY, BRUISING IN			
								SOME AREAS OF BLUBBER LAYER AND IN SOME INTERNAL			
2009 4	27	4/27/2009	GRAY WHALE	VESSEL STRIKE	ISLAND	WA	DEAD	ORGANS. FINDINGS SUGGESTIVE OF BLUNT FORCE TRAUMA LIKELY CAUSED BY COLLISION WITH A LARGE SHIP.	DEAD	NA	NA
2009 4	21	4/2//2009	GRAT WHALE	VESSEL STRIKE	IJLANU	VVA	DEAD	LINELT CAUSED BY COLLISION WITH A LANGE SHIP.	DEAD	NA	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Mon	th Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	CATALINA ISLAND TRANSPORT VESSEL COLLIDED WITH FREE-	Assessment	Assessment	Value
								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			
2009 5	1	5/1/2009	GRAY WHALE	VESSEL STRIKE	LOS ANGELES	CA	SI	KTS.	SI	L6A	11
								WHALE CAUGHT IN THE BAG SECTION OF A TRIBAL SET			
								GILLNET. WHALE ENCOUNTERED IN MORNING, UNKNOWN			
								ENTANGLEMENT DURATION. NET HAD BEEN SET 8PM			
								PREVIOUS DAY. WHALE WAS ABLE TO BREATH, BUT COULD			
								NOT FREELY SWIM AND WAS STATIONARY WITHIN NET.			
								RIGHT PECTORAL FIN AND HEAD WERE WELL WRAPPED IN			
								NET WEBBING. WHALE REACTED VIOLENTLY AND SWAM			
								AWAY IN RESPONSE TO A DISENTANGLEMENT ATTEMPT.			
								NET WAS RETRIEVED AND FOUND TO BE TORN IN TWO. NO CONFIRMATION THAT WHALE WAS COMPLETELY FREE OF			
								NETTING. WHALE LAST SEEN AT 1030 AM. PRORATE L10			
				GILLNET FISHERY,				SERIOUS INJURY BECAUSE OF POSSIBLE EXISTING			
2009 6	24	6/24/2009	GRAY WHALE	TRIBAL	CLALLAM	WA	SI	ENTANGLEMENT.	SI (PRORATE)	L10	0.75
								EDEE CANAMANAC ANNAAL MUTTU CREEN CULNIET DODE 0			
								FREE-SWIMMING ANIMAL WITH GREEN GILLNET, ROPE & SMALL BLACK FLOATS WRAPPED AROUND CAUDAL			
								PEDUNCLE. PHOTOS SHOW ROPE CUTTING INTO CAUDAL			
								PEDUNCLE. REPORT RECEIVED VIA HSU RESEARCHER ON			
								SCENE DURING RESEARCH CRUISE; ANIMAL RESIGHTED ON			
								3-AUG; NO RESCUE EFFORT INITIATED; WHALE IDENTIFIED			
								BY J. CALAMBOKIDIS AS PCFG GRAY WHALE, RESIGHTED IN			
								2010 AND 2011, STILL ENTANGLED. WHALE WAS			
2009 7	21	7/21/2009	GRAY WHALE	GILLNET FISHERY	HUMBOLDT	CA	SI	RESIGHTED IN 2013 AND HAD SHED GEAR, APPARENTLY IN GOOD HEALTH (JEFF JACOBSEN, PERS. COMM.).	NSI	L2	NA
2003 7	21	7/21/2003	GIAT WHALL	GILLINET FISHERT	HOWIBOLDT	CA	31	GOOD HEALTH (JETT JACOBSEN, FERS. COMMI.).	INSI	LZ	INA
								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			
2009 9	9	9/9/2009	GRAY WHALE	VESSEL STRIKE	CLALLAM	WA	SI (PRORATE)	BEING HIT, BLOOD OBSERVED IN WATER.	SI (PRORATE)	L11	0.52
								40 CENTIMETER LONG HARPOON & 8 CENTIMETER LONG			
								BROKEN TOGGLE HEAD FROM 2ND HARPOON EMBEDDED			
								IN LEFT LATERAL/DORSAL SIDE JUST BELOW DORSAL HUMP,			
2010 2	1	2/1/2010	GRAY WHALE	HARPOON	HUMBOLDT	CA	DEAD	HARPOON ATTACHED TO 10 METERS OF ROPE.	DEAD	NA	NA
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 2	16	2/16/2010	GRAT WHALE	UNIDENTIFIED	SAN DIEGO	CA	SI (PRORATE)	TOWING ORANGE/WHITE BUOY; UNIDENTIFIED FISHERY.	SI (PRORATE)	LII	0.52
				FISHERY				NO RESCUE EFFORT INITIATED; NO RESIGHTINGS			
2010 3	5	3/5/2010	GRAY WHALE	INTERACTION	SAN DIEGO	CA	SI	REPORTED; FINAL STATUS UNKNOWN	SI	L10	0.75
						·		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			
2010 3	12	3/12/2010	GRAY WHALE	VESSEL STRIKE	SANTA BARBARA	CA	SI	STATUS UNKNOWN	SI	L6A	1
2010 3	14	3/ 12/ 2010	ONAT WHALL	VESSEL STRIKE	S. MITA DANDANA	- CA	Ji	5.7.105 SHRIFOTHI	J	LUA	<u> </u>
				CRAB POT FISHERY							
2010 4	16	4/16/2010	GRAY WHALE	ENTANGLEMENT	CLATSOP	OR	DEAD	ENTANGLED IN CRAB POT LINES	DEAD	NA	NA
				CDAR DOT FIGURES!							
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 3		3/1/2010	GRAT WHALE	LINIAINGLEIVIENI	LINCOLIN	UN	JI (FRUNAIE)	LIVIANGLED IN 3 CRAD POTS, WHALE NOT RELUCATED	JI (FRURATE)	LIU	0.73

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						Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
							FREE-SWIMMING ANIMAL ENTANGLED IN GILLNET; ANIMAL			
							FIRST OBSERVED INSIDE DANA POINT HARBOR ON 5/11/10;			
							ANIMAL SUCESSFULLY DISENTANGLED ON 5/12/10 &			
							SWAM OUT OF HARBOR; ANIMAL OBSERVED ALIVE IN SURF ZONE FOR SEVERAL HOURS ON 5/14/10 OFF DOHENY STATE			
2010 5 11	5/11/2010	GRAY WHALE	GILLNET FISHERY	ORANGE	CA	SI	BEACH BEFORE WASHING UP DEAD ON BEACH.	DEAD	NA	NA
							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			
			CRAB POT FISHERY				REMAINING. FREE-SWIMMING, BREACHING, MAKING			
2010 8 17	8/17/2010	GRAY WHALE	ENTANGLEMENT	MENDOCINO	CA	SI	SHALLOW DIVES; SUCCESSFUL DISENTANGLEMENT	SI	L2	1
							PLEASURE SAILBOAT COLLIDED WITH FREE-SWIMMING			
							ANIMAL; ANIMAL DOVE IMMEDIATELY FOLLOWING			
							CONTACT & WAS NOT RESIGNTED; NO BLOOD OBSERVED IN			
2011 1 22	1/22/2011	GRAY WHALE	VESSEL STRIKE	SAN DIEGO	CA	SI (PRORATE)	WATER; FINAL STATUS UNKNOWN. VESSEL SIZE ASSUMED LESS THAN 65 FT. AND SPEED UNKNOWN.	SI (PRORATE)	L7B	0.14
2011 1 22	1/22/2011	OINT WHALL	VESSEE STRIKE	SAIV DIEGO	- CA	31 (I NOTATE)	PRIVATE RECREATIONAL VESSEL COLLIDED WITH FREE-	JI (I NOTATE)	2,0	0.14
							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			
2011 2 12	2/12/2011	GRAY WHALE	VESSEL STRIKE	LOS ANGELES	CA	SI (PRORATE)	SPEED UNKNOWN.	SI (PRORATE)	L7B	0.14
2011 4 18	4/18/2011	GRAY WHALE	VESSEL STRIKE	SAN FRANCISCO	CA	DEAD	CRUSHED MANDIBLE	DEAD	NA	NA
							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			
2011 6 11	6/11/2011	GRAY WHALE	VESSEL STRIKE	SAN MATEO	CA	DEAD	SAND)	DEAD	NA	NA
							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			
			UNIDENTIFIED				IN THE MORNING BUT AT 1330 OBSERVED WITHOUT			
			FISHERY				ENTANGLEMENT; SHED GEAR ON ITS OWN; GEAR-FREE BUT			
2011 7 13	7/13/2011	GRAY WHALE		SAN LUIS OBISPO	CA	SI	INJURED	SI	L2	1
			UNIDENTIFIED FISHERY				INDICATIONS OF OLD HEALED ENTANGLEMENT SCAR ON FLUKE. OPEN ULCER/ LESIONS ON ABDOMEN OF			
2011 7 27	7/27/2011	GRAY WHALE	INTERACTION	KITSAP	WA	NSI	UNKNOWN ORIGIN.	NSI	L5B	0
							ENTANCLED IN FOLDS LIFAVA MONOFILAMENT WEDDING			
							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			
			UNIDENTIFIED NET				THE DAY AFTER DISENTANGLEMENT SWIMMING VERY			
2044	0/05/55		FISHERY	DETEROS			SLOWLY. (APPARENT HEALTH DECLINE DUE TO	c.		
2011 8 25	8/25/2011	GRAY WHALE	ENTANGLEMENT	PETERSBURG	AK	SI	CONSTRICTING AND WEIGHTED ENTANGLEMENT)	SI	L2	1

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month Da	у	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
				UNIDENTIFIED POT/TRAP FISHERY				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			
2011 8 25	5	8/25/2011	GRAY WHALE	ENTANGLEMENT	SAN MATEO	CA	SI	RESIGHTED, NO RESCUE, OUTCOME UNKNOWN	SI	L2	11
2011 9 27	7	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	NA
		-,,									
2012 1 28	3	1/28/2012	GRAY WHALE	UNKNOWN FISHERY INTERACTION	SAN DIEGO	CA	SI (PRORATE)	ENTANGLED ANIMAL REPORT; TOWING TWO ORANGE BUOYS AND AT LEAST 150 FT OF LINE; UNKNOWN FISHERY, REPORTED AS POSSIBLE GILLNET; NO RESPONSE EFFORT A 40" WHALE WAS CAUGHT IN COD POT GEAR NEAR	SI (PRORATE)	L10	0.75
								UNIMAK PASS. LINES WERE CUT BY BOAT CREW AND BUOYS WERE RECOVERED, HOWEVER, THE POT AND SOME LINE REMAINED IN THE WATER. ANY LINE POSSIBLY REMAINING ON ANIMAL THOUGHT TO BE MINIMAL. GRAY WHALE DETERMINATION MADE FOLLOWING EXTENSIVE QUESTIONING BY KATE WYNNE. DETERMINATION:			
2012 1 17	,	1/17/2012	GRAY WHALE	COD POT FISHERY ENTANGLEMENT	ALFLITIANC FACT	AK	SI (PRORATE)	PRORATE AT L10 BECAUSE GEAR POSSIBLY REMAINS ON ANIMAL.	SI	L10	0.75
2012 1 17		1/1//2012	GRAT WHALE	MARINE DEBRIS	ALEUTIANS EAST	AK	31 (FRORATE)	POSSIBLE ENTANGLEMENT, DEEP CABLE-LIKE INDENTATION	31	LIU	0.73
2012 1 22	2	1/22/2012	GRAY WHALE	ENTANGLEMENT	PACIFIC	WA	DEAD	AROUND GENITAL AREA. ENTANGLED ANIMAL REPORT; GILLNET GEAR AROUND	DEAD	NA	NA
2012 2 24		3/24/2012	GRAY WHALE	GILLNET FISHERY	LOS ANGELES	CA	SI	PEDUNCLE; RESPONSE EFFORT RESULTED IN SUCCESSFUL DISENTANGLEMENT WITH >100 FT OF PINK GILLNET REMOVED FROM ANIMAL, BUT ANIMAL SUBSEQUENTLY OBSERVED DEAD ON 03/27 (FLOATING, SKIN SAMPLE TAKEN, NO NECROPSY). NET REMOVED ON 03/24 FOUND TO CONTAIN ONE DEAD CA SEA LION AND THREE DEAD SHARKS.	DEAD	L2	NA
2012 3 24	+	3/24/2012	GRAY WHALE	GILLNET FISHERY	LOS ANGELES	CA	51	SHAKKS.	DEAD	LZ	NA
2012 3 28	3	3/28/2012	GRAY WHALE	UNIDENTIFIED FISHERY INTERACTION	ORANGE	CA	SI	ENTANGLED ANIMAL REPORT; LINE DEEPLY EMBEDDED AROUND TAIL STOCK AND UNDER FLUKE; "45 FEET OF ROPE WITH HAND CARVED BUOY; ANIMAL SUCCESSFULLY COMPLETELY DISENTANGLED ON 3/29. FINAL OUTCOME UNKNOWN. ANIMAL SUCCESSFULLY DISENTANGLED AND ALL GEAR RECOVERED. ENTANGLEMENT NO LONGER LIFE THREATENING. CONDITION OF ANIMAL INDICATED THAT ANIMAL IS LIKELY TO SURVIVE.	NSI	L2	NA
		<i>J. WJ EVJE</i>	WITH WITHLE	UNIDENTIFIED FISHERY	CHARGE		JI	40-FOOT GRAY WHALE REPORTED ENTANGLED WITH APPROXIMATELY 150 FEET OF LINE TRAILING. FOUR SPONGEX BULLET BUOYS LIE ALONG THE LEFT SIDE OF THE ANIMAL. ENTANGLEMENT INVOLVES THE MOUTH, A WRAP OVER THE HEAD, AND THE LEFT PECTORAL FLIPPER. ENTANGLEMENT APPEARS RECENT. PARTIALLY	1401	v.c.	HO
2012 4 17	7	4/17/2012	GRAY WHALE	INTERACTION	ORANGE	CA	SI (PRORATE)	DISENTANGLED 5/3/12 BY FISHERMEN.	SI (PRORATE)	L10	0.75
2012 4 21	1	4/21/2012	GRAY WHALE	UNIDENTIFIED FISHERY INTERACTION	SAN LUIS OBISPO	CA	DEAD	ROPE LIKE MARKS ON CAUDAL PEDUNCLE. ROPE IMPRESSION ON PECTORAL FIN. PHOTOS TAKEN.	DEAD	NA	NA
		., _1, _01_	31011 111111111	UNIDENTIFIED	2 20.0 00.01 0	<u></u>	52.5		55.15		
2012 4 28	3	4/28/2012	GRAY WHALE	FISHERY INTERACTION	MENDOCINO	CA	SI (PRORATE)	SMALL GRAY WHALE OFF FORT BRAGG CA, IN COMPANY OF TWO OTHER ANIMALS, TRAILING TWO BUOYS.	SI (PRORATE)	L10	0.75

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

									e. I		CLD
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
								WHALE WATCH VESSEL NOTICED FROM IMAGES TAKEN OF			_
								A 20 - 25 FOOT GRAY WHALE THEY HAD BEEN OBSERVING			
								EARLIER IN THE DAY, THAT ANIMAL WAS ACTUALLY			
								ENTANGLED. A SMALL GAUGE LINE, LIKELY FROM RIGHT			
								SIDE OF MOUTH GOES OVER THE ANIMAL'S BACK, AND			
								OVER BLOWHOLES, TO LEFT SIDE OF MOUTH. NO BUOYS OR			
								TRAILING LINE WERE OBSERVED. ANIMAL IN FAIR			
								CONDITION. ANIMAL SIGHTED NEXT DAY BY WHALE			
	_	- /- /		MARINE DEBRIS				WATCH VESSEL. CONFIRMED MOUTH ENTANGLEMENT,			
2012 5	5	5/5/2012	GRAY WHALE	ENTANGLEMENT	MONTEREY	CA	SI (PRORATE)	APPEARS TO BE STRAPPING MATERIAL.	SI (PRORATE)	L10	0.75
								ENTANGLED ANIMAL REPORT; DEEP CUTS FROM ROPE			
								AROUND PEDUNCLE AND LACERATIONS AT FLUKE NOTCH			
								AND LATERAL EDGE OF FLUKE; SUCCESSFULLY			
								DISENTANGLED BUT LONG-TERM SURVIVAL NOTED AS			
								QUESTIONABLE. GEAR WAS COLLECTED AND IDENTIFIED AS			
								DUNGENESS CRAB POT GEAR. ANIMAL ENTIRELY FREED OF			
								GEAR. ANIMAL IN FAIR CONDITION AND SLIGHTLY EMACIATED. DEEP CUTS (~ 2 INCHES) FROM THE ROPE			
				DUNGENESS CRAB				AROUND THE PEDUNCLE REMAINED. GEAR WAS			
				POT FISHERY				RECOVERED. RESULTS OF ENTANGLEMENT MAY STILL BE			
2012 5	8	5/8/2012	GRAY WHALE	ENTANGLEMENT	HUMBOLDT	CA	SI	LIFE THREATENING.	SI	L2	1
								ENTANGLED ANIMAL REPORT; LOOP BETWEEN CRAB POTS			
								AND WEIGHTED LINE CAUGHT IN WHALE'S MOUTH;			
				DUNGENESS CRAB				ENTANGLING GEAR STUCK IN ROCKS; ANIMAL ANCHORED			
				POT FISHERY				WITH SMALL RADIUS OF MOVEMENT FOR 4 DAYS;			
2012 5	11	5/11/2012	GRAY WHALE	ENTANGLEMENT	MARIN	CA	SI	SUCCESSFULLY DISENTANGLED. GEAR WAS COLLECTED.	NSI	L2	NA
								ANIMAL ENTANGLED THROUGH MOUTH IN AT LEAST TWO			
								SETS OF SUSPECTED POT GEAR THAT THAT HANG BELOW.			
								ANIMAL ANCHORED WITH A SHORT SCOPE IN 28 FEET OF			
								WATER TO SUSPECTED POTS. BUNDLE OF GEAR, INCLUDING			
								4 BUOYS LIE UNDER ANIMAL. ANIMAL HAVING SOME			
				UNKNOWN				DIFFICULTY GETTING TO SURFACE. ANIMAL EVENTUALLY			
				FISHERY				DISENTANGLED, BUT RESULTS OF ENTANGLEMENT MAY			
2012 5	13	5/13/2012	GRAY WHALE	INTERACTION	MONTEREY	CA	SI	STILL BE LIFE-THREATENING.	SI	L2	NA
								30' GRAY WHALE IN PRINCE WILLIAM SOUND ENTANGLED			
								IN GEAR. THRASHING AT SURFACE AND MOVING AT 4-5			
								KNOTS. NO WOUNDS OR CHAFING WAS OBSERVED.			
								GILLNET, CORKLINE (ATLEAST 12 FLOATS), AND LEADLINE			
								OBSERVED OVER ANIMAL'S ROSTRUM, BODY, AND			
								TAILSTOCK. BOTH PECTORAL FLIPPERS APPEARED PINNED			
								TO BODY. ANIMAL LATER APPEARED TIRED AND WAS			
					VALDEZ.			SWIMMING AT 2 KNOTS. IT WAS NOT RELOCATED.			
2012 6	16	6/16/2012	GRAY WHALE	GILLNET FISHERY	VALDEZ- CORDOVA	AK	SI	ASSIGNED L2 BECAUSE GEAR APPEARS TO BE CONSTRICTING MOVEMENT OF WHALE'S FLIPPERS.	SI	L2	1
		-, 10, 2012	Jid I Triviel	J.E. T. J.	2020		<u>. </u>		<u>. </u>		
								ANIMAL FIRST DETECTED NEAR SAN DIEGO. SUBADULT			
								GRAY WHALE REPORTED ENTANGLED WITH SMALL GAUGE,			
								DARK-COLORED LINE DEEPLY EMBEDDED AROUND ITS TAIL STOCK. LITTLE GEAR TRAILS. ENTANGLEMENT WAS ONCE			
								MORE INVOLVED AS INDICATED BY SCARS ON THE			
								ANIMAL'S BODY. ANIMAL IN VERY POOR CONDITION -			
								EMACIATED, SCARRED AND A HEAVY LOAD OF CYAMID			
								AMPHIPODS. BLACK LINE AROUND PEDUNCLE, 20 FT			
				UNKNOWN				TRAILING; OBSERVED OFF SAN DIEGO ON 8/31,			
				FISHERY				COMPLETELY DISENTANGLED OFF LOS ANGELES 9/6,			
2012 8	31	8/31/2012	GRAY WHALE	INTERACTION	LOS ANGELES	CA	SI (PRORATE)	STRANDED DEAD 9/14/12.	DEAD	L2	1

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								Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year N	/lonth	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
		•				·			WHALE SIGHTED BY TOUR BOAT. FEW DETAILS, OTHER THAN PART OF A FISHING NET WAS OBSERVED BEING TRAILED FROM A GRAY WHALE'S FIN. PHOTOS			
			- / /			VALDEZ-		. ()	APPARENTLY AVAILABLE, BUT HAVE NOT BEEN LOCATED. PRINCE WILLIAM SOUND. EXTENT AND SEVERITY OF			
2012	8	22	8/22/2012	GRAY WHALE	GILLNET FISHERY	CORDOVA	AK	SI (PRORATE)	ENTANGLEMENT UNKNOWN. ENTANGLED ANIMAL REPORT; ANIMAL REPORTED WITH ROPE AROUND THE PEDUNCLE WHICH WASN'T SEEN IN PHOTOGRAPHS BUT PHOTOS DID SHOW GREEN GILLNET	SI	L10	0.75
2012	10	13	10/13/2012	GRAY WHALE	GILLNET FISHERY	MENDOCINO	CA	SI	WITH CUTS TO THE HEAD; ANIMAL DISAPPEARED AND FINAL STATUS IS UNKNOWN	SI	L2	1
					MARINE DEBRIS				LIVE STRANDING; WHITE STRING AROUND NECK; NON- FATAL INJURY (ANIMAL TAKEN INTO REHAB,			
2008	2	7	2/7/2008	GUADALUPE FUR SEAL	ENTANGLEMENT	SANTA CRUZ	CA	SI	DISENTANGLED, TREATED & RELEASED) LIVE STRANDING; BALLOON STRING WRAPPED AROUND	NSI	P7B	NA
2009	3	29	3/29/2009	GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	SAN MATEO	CA	SI	SHOULDERS; NON-FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	Р7В	NA
									LIVE STRANDING; GILLNET FRAGMENT AROUND NECK; NON-			
2009	5	4	5/4/2009	GUADALUPE FUR SEAL	GILLNET FISHERY	SAN LUIS OBISPO	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB) DEAD STRANDING; GREEN NYLON NETTING AROUND NECK;	NSI	P7B	NA
2009	6	15	6/15/2009	GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	SAN MATEO	CA	DEAD	STRETCHED NET MESH DIAMETER = 4 INCHES; CARCASS EXAMINED BY CAS PERSONNEL	DEAD	NA	NA
	11	22	11/22/2009	GUADALUPE FUR SEAL	GILLNET FISHERY MARINE DEBRIS	COOS	OR	DEAD	ENTANGLED IN GREEN NETTING	DEAD	NA	NA
2010	1	16	1/16/2010	GUADALUPE FUR SEAL	ENTANGLEMENT	LOS ANGELES	CA	SI	ANIMAL DIED IN REHAB	DEAD	NA	NA
2010	6	14	6/14/2010	GUADALUPE FUR SEAL	GILLNET FISHERY MARINE DEBRIS	PACIFIC	WA	DEAD	HEAD ENTANGLED IN NETTING FISHING ENTANGLEMENT; AROUND NECK BUT NOT EMBEDDED; 2 HOOKS IN LEFT REAR FLIPPER ON DORSAL AND ONE VENTRAL, TRANSFERRED TO REHABILITATION	DEAD	NA	NA
2011	1	25	1/25/2011	GUADALUPE FUR SEAL	ENTANGLEMENT MARINE DEBRIS	LOS ANGELES	CA	SI	CENTER, FINAL STATUS UNKNOWN ENTANGLED AROUND SHOULDERS WITH BALLOON RIBBON, ADVANCED DECOMPOSITION - RIBBON DID NOT	SI	P7B	NA
2011	5	6	5/6/2011	GUADALUPE FUR SEAL	ENTANGLEMENT MARINE DEBRIS	SAN MATEO	CA	DEAD	PENETRATE SKIN WHITE BALLOON STRING AROUND NECK. ANIMAL DIED IN	DEAD	NA	NA
2011	6	9	6/9/2011	GUADALUPE FUR SEAL	ENTANGLEMENT GILLNET FISHERY/MARINE DEBRIS	SAN LUIS OBISPO	CA	SI	REHAB ANIMAL ENTANGLED IN GREEN TWINE / NETTING. NETTING HAD BARNACLES ON IT, INDICATIVE OF GHOST NETTING /	DEAD	P8A	NA
2011	6	18	6/18/2011	GUADALUPE FUR SEAL	ENTANGLEMENT MARINE DEBRIS	SAN MATEO	CA	SI	MARINE DEBRIS	SI	P8A	NA
2011	7	1	7/1/2011	GUADALUPE FUR SEAL	ENTANGLEMENT	GRAY'S HARBOR	WA	DEAD	NA CUTS ON ANIMAL SUGGESTIVE OF ENTANGLING NET	DEAD	NA	NA
2011	7	18	7/18/2011	GUADALUPE FUR SEAL	GILLNET FISHERY	JEFFERSON	WA	DEAD	FISHERY INTERACTION DARK GREEN ENTANGLEMENT AROUND LOWER	DEAD	NA	NA
2012	5	25	5/25/2012	GUADALUPE FUR SEAL	UNIDENTIFIED NET FISHERY ENTANGLEMENT	SONOMA	CA	SI	NECK/UPPER SHOULDER AREA - NO EMBEDDED, EMACIATED. ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED.	NSI	P8A	NA
2012	5	29	5/29/2012	GUADALUPE FUR SEAL	BLUNT FORCE TRAUMA	CLATSOP	OR	DEAD	TREMENDOUS HEMORRHAGE AT AXILLA AND PELVIC AREAS; SOME ORGAN HEMORRHAGING; BLOOD IN THORACIC CAVITY.	DEAD	NA	NA
2012	6	9	6/9/2012	GUADALUPE FUR SEAL	MARINE DEBRIS ENTANGLEMENT	LINCOLN	OR	SI	MARINE DEBRIS; ORANGE LINE LOOKED LIKE BALING TWINE, ORANGE PLASTIC LINE WRAPPED TIRGHTLY AOUND THORAX AT SHOULDERS, WAS DISENTANGLED BY VOLUNTEERS; ANIMAL WAS ALERT AND RESPONSIVE THROUGHOUT, MADE ITS WAY BACK OUT TO WATER; NO FURTHER REPORTS RECEIVED; APPEARS THIN IN PHOTOS.	SI	P1, P7B	NA

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Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	Value
rear monen	Duj	Dute	openes -	meración Type	country	517112	7.550551110110	ANIMAL VERY FEISTY AND ACTIVE. ANIMAL ENTANGLED	71030037110110	Absessment	Value
								AROUND NECK IN BLUE NET, NO OBVIOUS INJURIES,			
								ANIMAL QUICKLY RETURNED TO OCEAN AFTER			
2012 6	8	6/8/2012	GUADALUPE FUR SEAL	GILLNET FISHERY	TILLAMOOK	OR	NSI	DISENTANGLEMENT.	NSI	P7B	NA
								BULLET HOLES WITH ASSOCIATED HEMORRHAGING IN			
								BODY. LEFT LUNG DAMAGED BY BULLET, BLOOD IN			
								THORACIC, ABDOMINAL, AND PERICARDIAL CAVITIES,			
2012 6	19	6/19/2012	GUADALUPE FUR SEAL	SHOOTING	PACIFIC	WA	DEAD	INTESTINES VERY TWISTED.	DEAD	NA	NA
				MARINE DEBRIS				CLEAR PLASTIC PIECE 2 X 8 INCHES IN SIZE RECOVERED			
2012 6	18	6/18/2012	GUADALUPE FUR SEAL	INGESTION	GRAY'S HARBOR	WA	DEAD	FROM STOMACH AND ESOPHAGUS.	DEAD	NA	NA
								CANTANIO CA CONTINUO COCCANTRANIO ANCTANITI CIONICIO ANIT			
				UNIDENTIFIED NET				ENTANGLEMENT IN GREEN TRAWL NET WITH SIGNIFICANT			
2042 6	20	C /20 /2012	CHADALLIDE FUD CEAL	FISHERY	DACIFIC	14/4	DEAD	TRAUMA AROUND NECK, ALSO FOUND STYROFOAM IN	DEAD	A1.A	
2012 6	28	6/28/2012	GUADALUPE FUR SEAL	ENTANGLEMENT	PACIFIC	WA	DEAD	STOMACH. DETAILED INTERNAL AND EXTERNAL EXAM.	DEAD	NA	NA
								CARCASS; APPEARS TO BE MONOFILAMENT NET SCARRING			
								ALONG TAILSTOCK, WITH ASSOCIATED HEMORRHAGING IN			
2008 5	24	5/24/2008	HARBOR PORPOISE	GILLNET FISHERY	GRAYS HARBOR	WA	DEAD	BLUBBER UNDER SURFACE MARKINGS	DEAD	NA	NA
2008 3	24	3/24/2008	TIANDON FONFOISE	NORTHERN	GIATSTIARBOR	WA	DLAD	BEOBBER ONDER SORI ACE MARKINGS	DLAD	IVA	INA
				WASHINGTON							
				MARINE DRIFT							
				GILLNET FISHERY,							
2008 7	25	7/25/2008**	HARBOR PORPOISE	TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT.	DEAD	NA	NA
		.,,		NORTHERN							
				WASHINGTON							
				MARINE SET							
				GILLNET FISHERY,							
2008 8	11	8/11/2008**	HARBOR PORPOISE	TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT.	DEAD	NA	NA
		•		NORTHERN							
				WASHINGTON							
				MARINE SET							
				GILLNET FISHERY,							
2008 8	11	8/13/2008**	HARBOR PORPOISE	TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT.	DEAD	NA	NA
2008 8	26	8/26/2008	HARBOR PORPOISE	GILLNET FISHERY	SAN LUIS OBISPO	CA	DEAD	CARCASS; GILLNET-LIKE IMPRINT ON CAUDAL PEDUNCLE	DEAD	NA	NA
								CARCASS; INDENTATIONS ALONG DORSAL TAILSTOCK,			
								POSSIBLE CORRESPONDING MARKS ON VENTRAL SIDE;			
								SIMILAR INDENTATIONS AT TRAILING EDGE OF DORSAL FIN;			
								EXCELLENT BODY CONDITION; CAUSE OF DEATH ACUTE,			
		/ . /		UNIDENTIFIED NET				PROBABLE ENTANGLEMENT/DROWNING -CONFIRMED BY			
2008 12	31	12/31/2008*	HARBOR PORPOISE	FISHERY	GRAYS HARBOR	WA	DEAD	HISTOPATHOLOGY RESULTS	DEAD	NA	NA
				UNIDENTIFIED FISHERY				CARCASS; PATTERNS OF HEMORRHAGE; BLOOD IN THORAX			
2009 3	23	3/23/2009	HARBOR PORPOISE	INTERACTION	CLATSOP	OR	DEAD	AND ABDOMEN; FOAM IN LUNGS AND RIB MARKS ON RIGHT AND LEFT LUNGS	DEAD	NA	NA
2009 3	23	3/23/2009	HARBUR PURPUISE	UNIDENTIFIED	CLATSUP	UK	DEAD	CARCASS; LINE MARKS, CUTS, EXTENSIVE HEMORRHAGE,	DEAD	NA NA	INA
				FISHERY				AND BRUISING; BLOODY FOAM IN TRACHEA; RIB MARKS ON			
2009 4	9	4/9/2009	HARBOR PORPOISE	INTERACTION	CLATSOP	OR	DEAD	LUNGS	DEAD	NA	NA
2003 4		4/3/2003	TIANDON FONFOISE	INTERACTION	CLATSOF	OIL	DLAD	LUNGS	DLAD	IVA	INA
								CARCASS; EXCELLENT BODY CONDITION; WIDE			
								INDENTATION ON TAILSTOCK (FROM 5/8-INCH-WIDE ROPE),			
				MARINE DEBRIS				EXTENDING HALFWAY UP LEFT SIDE; ASSOCIATED			
2009 4	26	4/26/2009	HARBOR PORPOISE	ENTANGLEMENT	KING	WA	DEAD	HEMORRHAGE IN BLUBBER UNDERNEATH	DEAD	NA	NA
		,,		UNIDENTIFIED	*****						
				FISHERY				CARCASS; EXTENSIVE BRUISING; FOAM IN TRACHEA; CUTS			
2009 8	11	8/11/2009	HARBOR PORPOISE	INTERACTION	PACIFIC	WA	DEAD	AROUND HEAD; RIGHT FLUKE AND FLIPPER CUT OFF	DEAD	NA	NA
		-, ,						,			
								REPEATED LIVE STANDINGS; NO SIGNS OF ENTANGLEMENT			
				MARINE DEBRIS				AROUND MOUTH/FLIPPERS/DORSAL FIN; SIGNS OF			
2009 8	26	8/26/2009	HARBOR PORPOISE	ENTANGLEMENT	KITSAP	WA	SI	ENTANGLEMENT ON TAILSTOCK; DIED DURING TRANSPORT	DEAD	S1	NA
								CARCASS; MARKS CONSISTENT WITH MONOFILAMENT LINE			
2009 10	20	10/20/2009	HARBOR PORPOISE	GILLNET FISHERY	KITSAP	WA	DEAD	AROUND MOUTH	DEAD	NA	NA
_	_										

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2009 10	20	10/20/2009	HARBOR PORPOISE	GILLNET FISHERY	KITSAP	WA	DEAD	CARCASS; EVIDENCE OF FRESH MONOFILAMENT INJURIES	DEAD	NA	NA
2003 10	20	10/20/2003	TIARBORT OR OBE	SALMON GILLNET	KITSAI	WA	DEAD	CARCASS; MONOFILAMENT IMPRESSIONS ON ROSTRUM,	DEAD	NA.	NA.
2009 10	22	10/22/2009	HARBOR PORPOISE	FISHERY	JEFFERSON	WA	DEAD	PECTORAL FINS, TAILSTOCK, AND FLUKES	DEAD	NA	NA
				UNIDENTIFIED				CARCASS; POSSIBLE ENTANGLEMENT INJURIES ON LOWER			
				FISHERY				JAW WITH CORRESPONDING HEMORRHAGE; INTERNAL			
2010 1	4	1/4/2010	HARBOR PORPOISE	INTERACTION	CLALLAM	WA	DEAD	EVIDENCE OF DROWNING	DEAD	NA	NA
				MARINE DEBRIS				CARCASS. GOOD BODY CONDITION. TWO ENTANGLEMENT			
2010 2	23	2/23/2010	HARBOR PORPOISE		GRAYS HARBOR	WA	DEAD	SCARS ON TAILSTOCK WITH HEMORRHAGE UNDERNEATH	DEAD	NA	NA
2010 2	2.5	2/23/2010	TIARBON FOR OISE	LIVIANOLLIVILIVI	GRATSTIARBOR	WA	DLAD	CARCASS; LINE MARKS ON FLIPPERS AND ALONG RIGHT	DEAD	INA	INA
				MARINE DEBRIS				SIDE; RIB MARKS ON LUNGS; BLOODY FOAM FROM			
2010 7	4	7/4/2010	HARBOR PORPOISE	ENTANGLEMENT	CLATSOP	OR	DEAD	BLOWHOLE; BLOOD IN ABDOMINAL CAVITY	DEAD	NA	NA
								CARCASS; FISHING LINE/NET MARKS ON FIN AND FLUKE			
				UNIDENTIFIED NET				EDGES; BLOOD IN PERICARDIUM AND THORACIC AND			
2010 7	10	7/10/2010	HARBOR PORPOISE	FISHERY	CLATSOP	OR	DEAD	ABDOMINAL CAVITIES	DEAD	NA	NA
								CALF CARCASS FOUND ON BEACH 2 DAYS AFTER LACTATING			
								ADULT FEMALE HARBOR PORPOISE STRANDED			
2010 10	47	40/47/2040*	LIADDOD DODDOICE	UNIDENTIFIED NET	KITCAD	14/4	DEAD	APPROXIMATELY 3 MILES NORTH. TWO LINE SCARS	DEAD	N/A	
2010 10	1/	10/17/2010*	HARBOR PORPOISE	FISHERY	KITSAP	WA	DEAD	AROUND HEAD AT GAPE CARCASS; NUMEROUS ENTANGLEMENT SCARS,	DEAD	NA	NA
				UNIDENTIFIED NET				IMPRESSIONS AND LACERATIONS, WITH ASSOCIATED			
2010 10	21	10/21/2010	HARBOR PORPOISE	FISHERY	KITSAP	WA	DEAD	HEMORRHAGE	DEAD	NA	NA
2010 10		10/21/2010	TIARBORT OR OISE	HISHERI	KITSAI	****	DEAD	CARCASS; RIGHT LOBE OF FLUKE CUT OFF CLEANLY; OTHER	DEAD	1471	NA.
2011 1	2	1/2/2011	HARBOR PORPOISE	VESSEL STRIKE	LINCOLN	OR	DEAD	LACERATIONS INDICATE PROPELLER WOUNDS	DEAD	NA	NA
								HARBOR PORPOISE BECAME ENTANGLED IN SEABIRD			
								RESEARCH NET DURING RETRIEVAL. ANIMAL WAS			
				RESEARCH				IMMEDIATELY FREED OF NET AND SPENT LESS THAN 2			
2011 1	27	1/27/2011	HARBOR PORPOISE	ENTANGLEMENT	MONTEREY	CA	NSI	MINUTES ENTANGLED. PORPOISE SWAM AWAY STRONGLY.	NSI	S7B	NA
								CARCASS; SUBSTANTIAL FOAM IN TRACHEA; SEROUS FLUID			
								IN PLEURAL CAVITY; THORACIC ORGANS BRUISED;			
2011 -	_	= /= /0044		UNIDENTIFIED NET	0.4.0151.0		2512	EXTERNAL MARKS (NET?) AND RUBBED AREAS. EXCELLENT	2512		
2011 5	5	5/5/2011	HARBOR PORPOISE	FISHERY	PACIFIC	WA	DEAD	BODY CONDITION. CARCASS; SUBSTANTIAL BLOODY FOAM FROM BLOWHOLE	DEAD	NA	NA
				UNIDENTIFIED NET				AND IN TRACHEA; INDENTATIONS ALONG PEDUNCLE AND			
2011 5	14	5/14/2011	HARBOR PORPOISE	FISHERY	PACIFIC	WA	DEAD	MARKS NEAR FLIPPERS	DEAD	NA	NA
2011 5		3/11/2011	THE STATE OF THE S	UNIDENTIFIED	.,,,,,,,,,	****	52,15	TO THE REPORT OF THE PARTY OF T	527.5		
				FISHERY				CARCASS; MANY PARALLEL CUTS ACROSS ANIMAL,			
2011 5	27	5/27/2011	HARBOR PORPOISE	INTERACTION	PACIFIC	WA	DEAD	TREMENDOUS hemorrhaging . UPPER JAW TIP BROKEN	DEAD	NA	NA
				UNIDENTIFIED				<u> </u>			
				FISHERY				CARCASS; MANY PARALLEL CUTS ACROSS ANIMAL,			
2011 6	3	6/3/2011	HARBOR PORPOISE	INTERACTION	PACIFIC	WA	DEAD	TREMENDOUS hemorrhaging	DEAD	NA	NA
				LINIDENTIFIES				CARCASS; SMALL CUTS ON PEDUNCLE; TRAUMA TO HEAD;			
				UNIDENTIFIED				FOAM IN LUNGS, ANIMAL VERY THIN WITH REDUCED			
2011 9	8	9/8/2011	HARBOR PORPOISE	FISHERY	TILLAMOOK	OR	DEAD	MUSCLE MASS; LOWER SMALL INTESTINES SEEMED DECOMPOSED, ALMOST NECROTIC; URINE BLOODY	DEAD	NA	NA
2011 9	٥	9/8/2011	HARBUR PURPUISE	INTERACTION	TILLAWIOOK	UK	DEAD	DECOMPOSED, ALMOST NECROTIC, ORINE BLOODT	DEAD	INA	NA
								CARCASS; DORSAL FIN CUT OFF; GROOVED MARKS ON			
				UNIDENTIFIED				DORSAL PEDUNCLE; BLOOD IN THORACIC AND ABDOMINAL			
				FISHERY				CAVITIES; PERFORATED ULCER IN DUODENUM; SOME			
2011 9	19	9/19/2011	HARBOR PORPOISE	INTERACTION	PACIFIC	WA	DEAD	ORGANS AND LEFT SIDE OF BODY HEMORRHAGED.	DEAD	NA	NA
								CARCASS; EXCELLENT BODY CONDITION; LINEAR			
				UNIDENTIFIED NET				INDENTATIONS ALONG DORSAL PEDUNCLE; LOTS OF FOAM			
2012 1	16	1/16/2012	HARBOR PORPOISE	FISHERY	PACIFIC	WA	DEAD	IN RIGHT LUNG; RIB MARK BRUISING ON LUNGS	DEAD	NA	NA
								CARCASS; LINEAR MARKS ALONG DORSAL PEDUNCLE;			
2012 2	2	2/2/2012	HARRON BORROUSE	UNIDENTIFIED NET	CLATCOR	05	DEAD	HEMORRHAGE ON HEAD, NECK, AND VARIOUS AREAS OF	DEAD	N/A	NI A
2012 2	3	2/3/2012	HARBOR PORPOISE	FISHERY	CLATSOP	OR	DEAD	BODY	DEAD	NA	NA

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Year I	Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
					UNIDENTIFIED				CARCASS; SEVERE LINEAR GASHES ON LEFT SIDE OF CAUDAL			
2012	2	7	3/7/2012	HARBOR PORPOISE	FISHERY INTERACTION	LINCOLN	OR	DEAD	PEDUNCLE; PARTIALLY SEVERED LEFT LOBE OF FLUKE FLACCID, APPEARS NECROTIC	DEAD	NA	NIA
2012	3	/	3///2012	HARBUR PURPUISE	INTERACTION	LINCOLN	UK	DEAD	FLACCID, APPEARS NECROTIC	DEAD	NA	NA
					UNIDENTIFIED				CARCASS; CIRCULAR LINEAR IMPRESSION AT SNOUT; LEFT			
					FISHERY				UPPER JAW AND LOWER JAW MISSING, BUT INJURY			
2012	3	24	3/24/2012	HARBOR PORPOISE	INTERACTION	KING	WA	DEAD	MOSTLY HEALED; ANIMAL THIN; FROTH FROM MOUTH	DEAD	NA	NA
									CARCASS; GOOD TO EXCELLENT BODY CONDITION; THREE			
					LINIDENTIFIED				GASHES ON PEDUNCLE; POSSIBLE GASHES ON FLUKE;			
					UNIDENTIFIED FISHERY				RUBBED AREAS ON HEAD; TEETH IN LOWER JAW DISPLACED; HEMORRHAGE ON HEAD AND LEFT MID-			
2012	6	5	6/5/2012	HARBOR PORPOISE	INTERACTION	PACIFIC	WA	DEAD	THORAX; LUNGS DENSE	DEAD	NA	NA
			0/5/2012	11/11/2011 01/11 01/2		17101110	****	DE/ID	money, condo bende	527.5		
									CARCASS; RUBBED AREAS AND HEMORRHAGE ON VARIOUS			
									AREAS OF HEAD AND BODY; ODD (KNIFE?) CUTS AND			
					UNIDENTIFIED NET				DIAGONAL, FINE-LINED, LINEAR-PATTERNED AREA ON			
2012	6	24	6/24/2012	HARBOR PORPOISE	FISHERY	CLATSOP	OR	DEAD	BODY; LEFT LUNG HEAVY AND PALE	DEAD	NA	NA
									CARCASS; EXCELLENT BODY CONDITION; SERIES OF NON-			
									PARALLEL CUTS AND TWO GASHES ON BODY; BLOOD IN			
					UNIDENTIFIED				EYES AND FROM BLOWHOLE; HEMORRHAGE ON HEAD AND			
					FISHERY				SIDES OF BODY; FOAM IN LUNGS AND TRACHEA; BLOOD IN			
2012	8	16	8/16/2012	HARBOR PORPOISE	INTERACTION	CLATSOP	OR	DEAD	ABDOMEN; MILK IN STOMACH AND ESOPHAGUS	DEAD	NA	NA
2012	10	31	10/31/2012	HARBOR PORPOISE	GILLNET FISHERY	KITSAP	WA	DEAD	CARCASS; ENTANGLED IN FREE-FLOATING GILLNET	DEAD	NA	NA
									CARCASS; TAIL STOCK/FLUKE SEVERED; WHITE FROTH FROM BLOWHOLE; MULTIPLE LINEAR IMPRESSIONS			
							LEADING INTO DEEP LACERATION ON RIGHT FLIPPER; RIGHT					
							EYE PERFORATED AND PENETRATING LACERATION					
									APPROXIMATELY 3 CM BELOW EYE; MULTIPLE NET			
									IMPRESSIONS, ESPECIALLY ON HEAD, FLIPPER, AND DORSAL			
									SURFACE; FOUR PENETRATING (LIKELY GAFF) WOUNDS;			
									PARTIALLY DIGESTED FISH IN STOMACH; FOUND NEAR FREE-			
2012	10	31	10/31/2012	HARBOR PORPOISE	GILLNET FISHERY	KITSAP	WA	DEAD	FLOATING GILLNET	DEAD	NA	NA
2012	11	1	11/1/2012	HARBOR PORPOISE	GILLNET FISHERY	SAN JUAN	WA	DEAD	CARCASS; OBSERVED ENTANGLEMENT IN GILLNET FISHERY	DEAD	NA	NA
									CARCASS; MONOFILAMENT LINE MARKS AROUND JAW,			
									ROSTRUM, AND HEAD; TRAILING EDGE OF LEFT PECTORAL			
			/- /						FIN SHEARED OFF; WRAP MARK AROUND DORSAL FIN TIP			
2012	11	3	11/3/2012	HARBOR PORPOISE	GILLNET FISHERY	KITSAP	WA	DEAD	AND LEADING EDGE OF FLUKES; FROTH FROM BLOWHOLE	DEAD	NA	NA
									CARCASS; SLICE OF SKIN MISSING ON LEFT POSTERIOR SIDE			
									OF FLIPPER (SIMILAR TO THREE OTHER RECENT PORPOISE			
									STRANDINGS); VERY FAINT V-SHAPED IMPRESSION ON			
					UNIDENTIFIED NET				ROSTRUM; POSSIBLE NEW INDENTATIONS IN BOTH FLUKE			
2012	11	5	11/5/2012	HARBOR PORPOISE	FISHERY	KITSAP	WA	DEAD	AND FLIPPER; HEALED SCARS ON TAIL STOCK	DEAD	NA	NA
									CARCASS, LINE IMPRESSIONS AROUND HEAD AND TAIL			
									CARCASS; LINE IMPRESSIONS AROUND HEAD AND TAIL STOCK; V-SHAPED IMPRESSION ON LEADING EDGE AND			
									ACROSS WIDTH OF PECTORAL FIN; ANOTHER IMPRESSION			
					UNIDENTIFIED NET				WRAPPED AROUND THE MIDDLE OF ONE FLUKE;			
2012	11	6	11/6/2012	HARBOR PORPOISE	FISHERY	ISLAND	WA	DEAD	REGURGITATED FISH IN ESOPHAGUS	DEAD	NA	NA
					_				CARCASS; RECOVERED ONE 00 BUCKSHOT BB UNDER SKIN;	-		
2008	3	4	3/4/2008	HARBOR SEAL	SHOOTING	SAN JUAN	WA	DEAD	5 OR 6 ADDITIONAL HOLES IN BACK AND SIDE	DEAD	NA	NA
									LIVE ANUMAL ON HADDOD CEAL DOOKEDY, DI ACTIO CTOAD			
					MARINE DEBRIS				LIVE ANIMAL ON HARBOR SEAL ROOKERY; PLASTIC STRAP AROUND NECK; NO RESCUE EFFORT INITIATED DUE TO			
2008	3	5	3/5/2008	HARBOR SEAL		SAN FRANCISCO	CA	SI	PRESENCE OF OTHER ANIMALS; FINAL STATUS UNKNOWN	SI	P8A	NA
2000			3/3/2003	TIANDON SEAL	2.41AITOLEMENT	5, 1 11/11/01500		Ji	LIVE ANIMAL HAULED OUT ON OFFSHORE ROCK; PACKING	Ji	100	1975
					MARINE DEBRIS				STRAP AROUND NECK; NO RESCUE EFFORT INITIATED;			
2008	4	4	4/4/2008	HARBOR SEAL	ENTANGLEMENT	MONTEREY	CA	SI	FINAL STATUS UNKNOWN	SI	P8A	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year Month	Dav	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
rear Worth	Day	Dute	Species	interdetion Type	county.Locale	JIAIL	Assessment	LIVE STRANDING; FRACTURED SCAPULA; PRIVATE CITIZEN	Assessment	ASSESSMENT	Vuiuc
								GRABBED ANIMAL BY REAR FLIPPERS, PULLED IT FROM			
								ROCKY AREA & ATTEMPTED TO THROW IT BACK INTO			
								WATER; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB,			
2008 4	12	4/12/2008	HARBOR SEAL	HARASSMENT	MONTEREY	CA	SI	TREATED & RELEASED)	SI	P10	NA
								LIVE ANIMAL ON HARBOR SEAL ROOKERY; GILLNET			
								FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL			
2008 4	15	4/15/2008	HARBOR SEAL	GILLNET FISHERY	SANTA BARBARA	CA	SI	CAPTURED, DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA
								LIVE ANIMAL ON HARBOR SEAL ROOKERY; FISHING LURE IN			
				HOOK & LINE				CHIN; NO RESCUE EFFORT INITIATED DUE TO PRESENCE OF			
2008 4	15	4/15/2008	HARBOR SEAL	FISHERY POWER PLANT	SAN DIEGO	CA	SI	OTHER ANIMALS; FINAL STATUS UNKNOWN	SI	P5B	NA
2008 4	17	4/17/2008	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
2008 4	1/	4/17/2008	HARBOR SEAL	POWER PLANT	JAN DILGO	CA	DLAD	CARCASS I LOATING IN FOWER PLANT INTAKE CHANNEL	DLAD	INA	INA
2008 4	17	4/17/2008	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
				POWER PLANT							
2008 4	27	4/27/2008	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
				POWER PLANT							
2008 5	5	5/5/2008	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
2008 5	5	5/5/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
2008 3		5/5/2008	HARBUR SEAL	ENTRAINIVIENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA NA	NA NA
								LIVE ANIMAL ON HARBOR SEAL ROOKERY; GILLNET			
								FRAGMENT AROUND NECK; NON-FATAL INJURY (ANIMAL			
2008 5	5	5/5/2008	HARBOR SEAL	GILLNET FISHERY	SAN DIEGO	CA	SI	CAPTURED, DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA
2008 5	10	5/10/2008	HARBOR SEAL	VESSEL STRIKE	MARIN	CA	DEAD	CARCASS; PROPELLER-LIKE WOUNDS TO BODY	DEAD	NA	NA
				POWER PLANT							
2008 5	15	5/15/2008	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
2009 F	10	5/19/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CADCASS FLOATING IN DOWED DIANT INTAKE CHANNEL	DEAD	NA	NA
2008 5	19	5/19/2008	HARBUR SEAL	ENTRAINIVIENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL LIVE STRANDING; 60% OF BODY COVERED WITH BUNKER	DEAD	NA NA	NA NA
								TAR; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB,			
2008 5	19	5/19/2008	HARBOR SEAL	OIL SPILL	ORANGE	CA	SI	TREATED & RELEASED)	NSI	Р9	NA
				POWER PLANT				·			
2008 5	23	5/23/2008	HARBOR SEAL	ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
								LIVE STRANDING; FISH HOOKS IN REAR FLIPPERS &			
		- / /		HOOK & LINE				THROUGH NOSE; MORTALITY (EUTHANIZED IN REHAB DUE			
2008 5	27	5/27/2008	HARBOR SEAL	FISHERY	LOS ANGELES	CA	SI	TO FISH HOOK WOUNDS)	DEAD	P5B	NA
2008 5	28	5/28/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
2008 3	20	3/28/2008	TIARBON SEAL	LIVITALINIVILIVI	LOS ANGLELS	CA	DLAD	CANCASS I LOATING IN FOWER FLANT INTAKE CHANNEL	DLAD	INA	INA
								LIVE STRANDING; FISH HOOKS IN LEFT LOWER CORNER OF			
								MOUTH & UPPER LIP; MORTALITY (DIED IN REHAB, CAUSE			
				HOOK & LINE				OF DEATH = STARVATION, NECROPSY REVEALED			
2008 5	31	5/31/2008	HARBOR SEAL	FISHERY	ORANGE	CA	SI	NUMEROUS FISH HOOKS IN STOMACH MUCOSA)	DEAD	P2	NA
2000 C	2	6/2/2000	HADDOD CEAL	CHINET FIGURES:	CANTA DADDAD.	C^	DEAD	CARCASS FLOATING IN KELP BED WRAPPED IN GILLNET	DEAD	N/A	N: 4
2008 6	3	6/3/2008	HARBOR SEAL	POWER PLANT	SANTA BARBARA	CA	DEAD	MASS	DEAD	NA	NA
2008 6	4	6/4/2008	HARBOR SEAL	ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
		0, ., 2000		E.V.I.VAIIVIEIVI	2007102220	<u> </u>	DEND	LIVE STRANDING; GAFF HOOK IN BODY; MORTALITY	2200	. 1/3	.10
2008 6	19	6/19/2008	HARBOR SEAL	GAFF INJURY	SANTA BARBARA	CA	SI	(ANIMAL DIED DURING TRANSPORT TO REHAB)	DEAD	P12	NA
· · · · · · · · · · · · · · · · · · ·							· · · · · · · · · · · · · · · · · · ·	LIVE ANIMAL REELED IN TO JETTY BY FISHERMAN, LINE		<u> </u>	
								SNAPPED CAUSING SUPERFICIAL CUT TO RIGHT SIDE OF			
				HOOK & LINE				FACE; NON-FATAL INJURY (ANIMAL TAKEN INTO REHAB,			
2008 6	28	6/28/2008	HARBOR SEAL	FISHERY	LOS ANGELES	CA	NSI	TREATED & RELEASED)	NSI	P5C	NA
				NORTHERN WASHINGTON							
				MARINE DRIFT							
				GILLNET FISHERY,							
2008 7	24	7/24/2008**	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT	DEAD	NA	NA
		,,								****	

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Year Month	Dav	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
rear monen	Day	Date	Species	interdetion type	County, 20cuit	JIME	Auscosment	LIVE ANIMAL ON ROOKERY; FISH HOOK IN MOUTH WITH ATTACHED FISHING LINE WRAPPED AROUND & CUTTING	rosessmene	rissessment	Value
				HOOK & LINE				INTO ANIMAL'S NECK; NON-FATAL INJURY (ANIMAL TAKEN			
2008 7	27	7/27/2008	HARBOR SEAL	FISHERY	SAN DIEGO	CA	SI	INTO REHAB, TREATED & RELEASED).	NSI	P5C	NA
				NORTHERN WASHINGTON							
				MARINE SET							
				GILLNET FISHERY,							
2008 7	28	7/28/2008	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT.	DEAD	NA	NA
				NORTHERN WASHINGTON							
				MARINE SET GILLNET FISHERY,							
2008 8	11	8/13/2009**	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT	DEAD	NA	NA
.000	- 11	0/13/2003	TIARBON SEAL	TRIBAL	CEAELAW	***	DEAD	CARCASS; APPEARED TO HAVE BEEN SHOT; X-RAY	DEAD	TVA	INA
								DETECTED METAL PIECES IN HEAD; SOME METAL			
2008 8	4	8/4/2008	HARBOR SEAL	SHOOTING	SAN JUAN	WA	DEAD	FRAGMENTS WERE EXTRACTED	DEAD	NA	NA
								CARCASS; APPEARED TO BE SMALL-CALIBER BULLET HOLE			
								(DISCRETE 2-MM PUNCTURE HOLE) IN LEFT LATERAL NECK; MOUTH FULL OF CLOTTED BLOOD AND EXTENSIVE			
								HEMORRHAGING IN INTERNAL NECK AREA AND BASE OF			
2008 8	14	8/14/2008	HARBOR SEAL	SHOOTING	SKAGIT	WA	DEAD	SKULL; NO BALLISTICS FOUND	DEAD	NA	NA
				UNIDENTIFIED NET							
8 800	22	8/22/2008	HARBOR SEAL	FISHERY	PIERCE	WA	DEAD	CARCASS; PUP WAS REMOVED FROM DERELICT NET	DEAD	NA	NA
				CILLNET FIGURDY				LIVE ANIMAL CALICUT IN TRIDAL CITE METTING, NETS WERE			
008 8	24	8/24/2008	HARBOR SEAL	GILLNET FISHERY, TRIBAL	THURSTON	WA	SI	LIVE ANIMAL CAUGHT IN TRIBAL GILL NETTING; NETS WERE TIGHT AROUND ITS NECK AND IT WAS STRUGGLING	SI	P8A	NA
.000 8	24	8/24/2008	TIARDON SEAL	GILLNET FISHERY,	IIIONSTON	· · ·	31	Halli Akoond II Sileek And II WAS SIKoodeino	31	ron	INA
2008 8	24	8/24/2008	HARBOR SEAL	TRIBAL	THURSTON	WA	DEAD	CARCASS; CAUGHT IN TRIBAL FISHING GEAR	DEAD	NA	NA
				GILLNET FISHERY,							
2008 8	24	8/24/2008	HARBOR SEAL	TRIBAL	THURSTON	WA	DEAD	CARCASS; CAUGHT IN TRIBAL FISHING GEAR	DEAD	NA	NA
2008 8	25	8/25/2008	HARBOR SEAL	GILLNET FISHERY	PIERCE	WA	DEAD	CARCASS; SEAL PULLED OUT OF SET GILLNET THAT WAS UNATTENDED FOR AT LEAST 48 HRS	DEAD	NA	NA
2006 6	23	8/23/2008	HARBOR SEAL	GILLINET FISHERT	FIERCE	VVA	DEAD	LIVE PUP REPORTED ON STUART ISLAND ON AUG 22 WITH	DEAD	IVA	INA
								WOUNDS CONSISTENT WITH PROPELLER WOUNDS: EVENLY			
								SPACED, CLEAN, DEEP CUTS. PUP FOUND DEAD ON BEACH			
2008 8	28	8/28/2008	HARBOR SEAL	VESSEL STRIKE	SAN JUAN	WA	SI	AUG 28.	DEAD	P15	NA
				NORTHERN WASHINGTON							
				MARINE SET							
				GILLNET FISHERY,							
2008 9	10	9/10/2008**	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT	DEAD	NA	NA
				NORTHERN							
				WASHINGTON							
				MARINE SET GILLNET FISHERY,							
2008 9	11	9/11/2008**	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	TRIBAL OBSERVER PROGRAM	DEAD	NA	NA
3		3/11/2000	THI HOUNGERE	RESEARCH	OL ILL III	****	52,15	CARCASS RETRIEVED FROM CDFG STURGEON RESEARCH	527.5		
2008 9	2	9/2/2008	HARBOR SEAL	ENTANGLEMENT	SOLANO	CA	DEAD	TRAMMEL NET	DEAD	NA	NA
				RESEARCH							
2008 9	12	9/12/2008	HARBOR SEAL	ENTANGLEMENT POWER BLANT	PIERCE	WA	DEAD	DIED IN RESEARCH NET	DEAD	NA	NA
2008 10	5	10/5/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
2008 11	4	11/4/2008	HARBOR SEAL	GILLNET FISHERY	ISLAND	WA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL CARCASS; CAUGHT IN DRIFT GILLNET	DEAD	NA NA	NA NA
		, ., 2000						CARCASS; HEAD CRACKED OPEN CAUDALLY, BRAIN			
								EXPOSED; PROPELLER INJURY; PARALLEL AREAS OF FUR			
2008 11	4	11/4/2008	HARBOR SEAL	VESSEL STRIKE	LINCOLN	OR	DEAD	LOSS AND LACERATIONS ON DORSUM	DEAD	NA	NA
2000 44	20	44/20/2003	HADDOD CE	GILLNET FISHERY,	DIEDGE	14/4	DEAD	CADCACC DULLED EDONATRIDAL NET	DEAD	ALA.	
2008 11	20	11/20/2008	HARBOR SEAL	TRIBAL	PIERCE	WA	DEAD	CARCASS PULLED FROM TRIBAL NET CARCASS; SMALL CALIBER HIGH VELOCITY GUN WOUND;	DEAD	NA	NA
								ENTRANCE ON RIGHT SIDE, HIGH ON SKULL; EXIT ON LEFT			
2008 11	22	11/22/2008	HARBOR SEAL	SHOOTING	WHATCOM	WA	DEAD	SIDE, HIGH ON SKULL	DEAD	NA	NA

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
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	NA	NA
2008 12	15	12/15/2008	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
2000 12		12/15/2000	11/11/00/13/21/2	WEST COAST	57.11 51.200	C/ \	52,10	O MO 155 1 EO MINO IN 1 O WENT E WITH INVINCE OF MINISTER	<i>D</i>		
				GROUNDFISH							
				TRAWL (PACIFIC							
				HAKE AT-SEA							
				PROCESSING							
2000		2000**		COMPONENT)			2512	000500450 000000444	5545		
2008 NA	NA	2008**	HARBOR SEAL	FISHERY WEST COAST	NA	WA/OR	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				GROUNDFISH							
				TRAWL (PACIFIC							
				HAKE AT-SEA							
				PROCESSING							
				COMPONENT)							
2008 NA	NA	2008**	HARBOR SEAL	FISHERY	NA	WA/OR	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				WEST COAST							
				GROUNDFISH							
2008 NA	NA	2008**	HARBOR SEAL	NEARSHORE FIXED GEAR FISHERY	NA	OR	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2008 NA	INA	2008	HARBUR SEAL	GEAR FISHERT	INA	UK	DEAD	OBSERVER PROGRAM	DEAD	NA NA	INA
				WEST COAST							
				GROUNDFISH							
				NEARSHORE FIXED							
2008 NA	NA	2008**	HARBOR SEAL	GEAR FISHERY	NA	OR	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
-				POWER PLANT							
2009 1	13	1/13/2009	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
				POWER PLANT							
2009 3	10	3/10/2009	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
		- / /		HOOK & LINE				LIVE STRANDING; 3 FISH HOOKS IN FACE; NON-FATAL			
2009 5	12	5/12/2009	HARBOR SEAL	FISHERY	ORANGE	CA	SI	INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
				SALMON				LIVE PUP IN TRAWL NET; PUP WAS ROLLED OUT OF NET AS			
2009 5	16	5/16/2009	HARBOR SEAL	RESEARCH TRAWL	ISLAND	WA	NSI	NET WAS RETRIEVED; SWAM AWAY UNHARMED	NSI	P7B	NA
2003 3	10	3/10/2003	TIANDON SEAL	POWER PLANT	ISERIVE	WA	1451	NET WAS RETRIEVED, SWAW AWAT ON TARRIED	1451	170	1474
2009 5	16	5/16/2009	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
		-, -,		POWER PLANT							
2009 5	17	5/17/2009	HARBOR SEAL	ENTRAINMENT	LOS ANGELES	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
				POWER PLANT							
2009 5	22	5/22/2009	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
								LIVE STRANDING; FISH HOOKS IN CHIN & RIGHT FRONT			
2000 5	24	E /2 4 /2000	LIADDOD CEAL	HOOK & LINE	LOC ANGELES	64	NCI	FLIPPER; NON-FATAL INJURY (ANIMAL RELEASED FROM	NC	DEC	
2009 5	24	5/24/2009	HARBOR SEAL	FISHERY	LOS ANGELES	CA	NSI	REHAB) LIVE STRANDING; GILLNET FRAGMENT AROUND NECK;	NSI	P5C	NA
								MORTALITY (ANIMAL DIED IN REHAB; CAUSE OF DEATH =			
2009 6	10	6/10/2009	HARBOR SEAL	GILLNET FISHERY	SAN DIEGO	CA	SI	PNEUMONIA)	DEAD	P8A	NA
		-,,		POWER PLANT				· · ·			
2009 6	16	6/16/2009	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
								LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
				HOOK & LINE				MOUTH; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009 6	26	6/26/2009	HARBOR SEAL	FISHERY	SAN FRANCISCO	CA	SI	REHAB)	NSI	P5C	NA
				NORTHERN							
				WASHINGTON							
				MARINE SET							
2000 =		7/0/2000**		GILLNET FISHERY,			2512	FIGUEDAMAN CELE DEDOOT	5545		
2009 7	9	7/9/2009**	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT	DEAD	NA	NA
2009 7	4	7/4/2009	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
2003 /	4	//4/2003	HANDON SEAL	FINITIVALIMINIFINI	JAN DIEGO	CM	DEAD	CARCASS I LOATING IN FOWER FLAIRT INTAKE CHANNEL	DEAD	IVA	IVM

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

								Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year	Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
					POWER PLANT		•					
2009	7	5	7/5/2009	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
					POWER PLANT							
2009	7	20	7/20/2009	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
2009	7	31	7/31/2009	HARBOR SEAL	DOG ATTACK	PIERCE	WA	SI	DOG GRABBED LIVE PUP AND TOOK OFF WITH IT	DEAD	P9	NA
					HOOK & LINE				REPORT OF LIVE ANIMAL WITH FISHING LINE AND HOOK			
2009	8	11	8/11/2009*	HARBOR SEAL	HOOK & LINE FISHERY	THURSTON	WA	NSI	STUCK IN LIP; ANIMAL DIED AND WASHED OFF LOG BOOMS BEFORE IT COULD BE EXAMINED	DEAD	P5B	NA
2009	0	11	8/11/2003	HANBON SEAL	FISHERI	THURSTON	VVA	IVJI	BEFORE II COOLD BE EXAMINED	DEAD	гэв	INA
									LIVE ANIMAL ATTACKED BY DOGS; TAKEN INTO REHAB AND			
2009	8	8	8/8/2009	HARBOR SEAL	DOG ATTACK	KITSAP	WA	SI	DIED DUE TO INFECTED PUNCTURE WOUNDS	DEAD	Р9	NA
			.,.,									
									LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN			
					HOOK & LINE				CHIN/THROAT AREA, LINE WRAPPED AROUND BODY; NON-			
2009	8	10	8/10/2009	HARBOR SEAL	FISHERY	SAN DIEGO	CA	SI	FATAL INJURY (ANIMAL RELEASED FROM REHAB)	NSI	P5C	NA
									CARCASS; LEFT EYE PROPTOSED, SWELLING ON LEFT SIDE			
									OF HEAD, CAUDAL SKULL FRACTURE, AND HEMATOMA;			
	_		- / /						HOLE IN LEFT SIDE OF HEAD (THROUGH SKIN AND SKULL)			
2009	8	10	8/10/2009	HARBOR SEAL	GAFF INJURY	KITSAP	WA	DEAD	MOST LIKELY CAUSED BY GAFF; BLEEDING FROM NOSTRILS	DEAD	NA	NA
2000		10	0/10/2000	HADDOD CEAL	POWER PLANT	CAN DIECO	CA	DEAD	CARCACC FLOATING IN DOWER DUANT INTAKE CHANNEL	DEAD	NIA	NIA
2009	8	18	8/18/2009	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL CARCASS; BULLET HOLES IN THORAX; TREMENDOUS	DEAD	NA	NA
2009	8	20	8/20/2009	HARBOR SEAL	SHOOTING	CLATSOP	WA	DEAD	BRUISING ACROSS BACK; SMASHED NOSE	DEAD	NA	NA
2003	- 0	20	8/20/2003	TIARBON SEAL	HOOK & LINE	CLATSOF	WA	DLAD	LIVE STRANDING; FISH HOOK IN MOUTH; HOOK REMOVED	DLAD	INA	NA .
2009	9	1	9/1/2009	HARBOR SEAL	FISHERY	PIERCE	WA	SI	AND ANIMAL RELEASED	NSI	P5C	NA
2009	9	21	9/21/2009	HARBOR SEAL	VESSEL STRIKE	WHATCOM	WA	DEAD	CARCASS; LARGE LACERATIONS ON FOREFLIPPER	DEAD	NA	NA
			., ,						CARCASS; SLASHES, GASHES, AND MARKS ALONG SIDE AND			
2009	9	30	9/30/2009	HARBOR SEAL	VESSEL STRIKE	WHATCOM	WA	DEAD	BACK	DEAD	NA	NA
					HOOK & LINE				CARCASS; FISH HOOK LODGED IN STOMACH ATTACHED TO			
2009	10	3	10/3/2009	HARBOR SEAL	FISHERY	PIERCE	WA	DEAD	LINE THROUGHOUT GI TRACT	DEAD	NA	NA
									DEAD STRANDING; FIELD EXAMINATION REVEALED FISH			
					HOOK & LINE				HOOK IN ESPOHAGUS; CARCASS EXAMINED BY CAS			
2009	10	6	10/6/2009	HARBOR SEAL	FISHERY	SAN MATEO	CA	DEAD	PERSONNEL CONTROL OF THE PROPERTY OF THE PROPE	DEAD	NA	NA
									CARCASS; BULLET FOUND IN CHEST CAVITY; ANIMAL			
									APPEARED TO HAVE BEEN SHOT ABOVE RIGHT SHOULDER, THEN BULLET WENT THROUGH RIBCAGE AND PENETRATED			
2009	10	27	10/27/2009	HARBOR SEAL	SHOOTING	GRAYS HARBOR	WA	DEAD	HEART AND LUNGS	DEAD	NA	NA
2003	10	21	10/2//2009	HANBON SEAL	NORTHERN	GRATS HARBOR	VVA	DEAD	HEART AND LONGS	DEAD	INA	INA
					WASHINGTON							
					MARINE SET							
			11/14/2009*		GILLNET FISHERY,							
2009	11	14	*	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT	DEAD	NA	NA
									CARCASS; CAUGHT IN LOST/ABANDONED CHUM SALMON			
									GILLNET (20-30 YEAR OLD NET) FOUND ON SEAFLOOR.			
			/ /		SALMON GILLNET				GEAR HAD BEEN LOCATED WITH CAMERA AND			
2009	11	12	11/12/2009	HARBOR SEAL	FISHERY NORTHERN	KITSAP	WA	DEAD	DESIGNATED FOR DERELICT GEAR REMOVAL	DEAD	NA	NA
					WASHINGTON							
					MARINE SET							
			12/15/2009*		GILLNET FISHERY,							
2009	12	15	*	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT	DEAD	NA	NA
					NORTHERN						****	
					WASHINGTON							
					MARINE SET							
			12/15/2009*		GILLNET FISHERY,							
2009	12	15	*	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	FISHERMAN SELF REPORT	DEAD	NA	NA
									CARCASS; ONE OF 2 ANIMALS CAUGHT IN DERELICT			
2009	12	1	12/1/2009	HARBOR SEAL	GILLNET FISHERY	SAN JUAN	WA	DEAD	GILLNET. FRESH DEAD.	DEAD	NA	NA
20			40/4/					B	CARCASS; ONE OF 2 ANIMALS CAUGHT IN DERELICT	DE:-		
2009	12	1	12/1/2009	HARBOR SEAL	GILLNET FISHERY	SAN JUAN	WA	DEAD	GILLNET. MODERATE DECOMPOSITION.	DEAD	NA	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
real Month	Day	Date	Species	CA/OR/WA	County.Locale	JIMIE	Assessment	Comments	Assessment	Assessment	value
				SABLEFISH POT							
2009 NA	NA	2009**	HARBOR SEAL	FISHERY	NA	NA	DEAD	OBSERVER PROGRAM CARCASS; PENETRATING TRACKING WOUND IN NECK; LOTS	DEAD	NA	NA
								OF HEMORRHAGING; BONE FRAGMENTS NEAR TRACKING			
2010 1	17	1/17/2010	HARBOR SEAL	SHOOTING	PIERCE	WA	DEAD	WOUND; STOMACH FULL OF FISH	DEAD	NA	NA
		_, _ , ,		HOOK & LINE				HOOK WITH 116 CENTIMETERS OF ATTACHED LINE &		***	
2010 1	20	1/20/2010	HARBOR SEAL	FISHERY	MARIN	CA	DEAD	SINKERS IN PYLORUS; PERITONITIS; GASTRITIS	DEAD	NA	NA
				POWER PLANT							
2010 1	25	1/25/2010	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT	DEAD	NA	NA
				HUMAN-INDUCED				PUP AND MOTHER SEPARATED DUE TO PUBLIC INTRUSION			
2010 1	26	1/26/2010	HARBOR SEAL	ABANDONMENT	SAN DIEGO	CA	SI	OF BEACH ROOKERY. ANIMAL RELEASED FROM REHAB.	NSI	P14	NA
				UNIDENTIFIED NET							
2010 1	26	1/26/2010	HARBOR SEAL	FISHERY	KITSAP	WA	DEAD	DEAD SEAL FOUND IN DERELICT NET	DEAD	NA	NA
2010 2	40	2/42/2242		OUL NET FIGURERY	WTC 4 D		2512	AND AN APPEAR OF A SEAL FOLIAGE IN DESCRIPTION AND	8548		
2010 2	19	2/19/2010	HARBOR SEAL	GILLNET FISHERY	KITSAP	WA	DEAD	MUMMIFIED/SKELETAL SEAL FOUND IN DERELICT GILLNET	DEAD	NA	NA
				HUMAN-INDUCED				PUP AND MOTHER SEPARATED DUE TO PUBLIC INTRUSION			
2010 2	20	2/20/2010	HARBOR SEAL	ABANDONMENT	SAN DIEGO	CA	SI	OF BEACH ROOKERY. ANIMAL EUTHANIZED IN REHAB.	DEAD	NA	NA
				MARINE DEBRIS				VOMITED PLASTIC WRAPPER. ANIMAL TAKEN INTO REHAB,			
2010 3	12	3/12/2010	HARBOR SEAL	INGESTION	ORANGE	CA	SI	TREATED AND RELEASED	NSI	P2	NA
				POWER PLANT							
2010 3	18	3/18/2010	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	ENTRAINMENT	DEAD	NA	NA
				DOWED DIANT				2 ANIMALS FOUND AT THIS SITE ON THIS DATE ADULT WITH			
2010 3	22	3/22/2010	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	SI	PUP FOUND IN COOLING STATION WATER SYSTEM, PUP RELEASED TO BEACH	SI	P14	NA
2010 3	22	3/22/2010	HANDON SEAL	POWER PLANT	JAN DIEGO	CA	31	RELEASED TO BEACH	31	F14	INA
2010 3	22	3/22/2010	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	IMMEDIATELY RELEASED AT SITE	NSI	Р9	NA
				POWER PLANT							
2010 3	22	3/22/2010	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	IMMEDIATELY RELEASED AT SITE	NSI	Р9	NA
								2 ANIMALS FOUND AT THIS SITE ON THIS DATE ADULT WAS			
				POWER PLANT				GOING TO BE RELEASED, BUT DIED IN TRANSIT TO SAN			
2010 3	22	3/22/2010	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	ONOFRE BEACH	DEAD	NA	NA
				CA HALIBUT AND WHITE SEABASS							
				SET GILLNET							
2010 3	30	3/30/2010	HARBOR SEAL	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
		-,,				-					
				HUMAN-INDUCED				PUBLIC NETTED PUP. IN NET ALONGSIDE DOCK WHEN			
2010 4	5	4/5/2010	HARBOR SEAL	ABANDONMENT	SAN LUIS OBISPO	CA	SI	RESPONDERS ARRIVED. ANIMAL RELOCATED	SI	P14	NA
		. /- /		POWER PLANT				SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL			
2010 4	8	4/8/2010	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	RELEASED ON SITE	NSI	P9	NA
				CA HALIBUT AND WHITE SEABASS							
				SET GILLNET							
2010 4	9	4/9/2010	HARBOR SEAL	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
		., -,		POWER PLANT				SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL		***	
2010 4	14	4/14/2010	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	RELEASED ON SITE	NSI	P9	NA
				POWER PLANT				SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL			
2010 4	14	4/14/2010	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	RELEASED ON SITE	NSI	P9	NA
								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			
				HOOK & LINE				SUCCESSFULLY REMOVED THE ANIMAL WAS RELEASED ON			
2010 4	17	4/17/2010	HARBOR SEAL	FISHERY	SAN DIEGO	CA	NSI	SITE. THE ANIMAL WAS IN GOOD BODY CONDITION.	NSI	P5C	NA
							*	PUP SEPARATED FROM MOTHER,TRANSPORTED AWAY	-	* *	
				HUMAN-INDUCED				FROM BEACH BY MEMBERS OF PUBLIC, DIED DURING			
2010 4	19	4/19/2010	HARBOR SEAL	ABANDONMENT	MARIN	CA	SI	TRANSPORT BACK TO BEACH	DEAD	NA	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year Month	h Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
			•		•						
		. / /		POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM			
2010 4	28	4/28/2010	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	AT SAN ONOFRE, IMMEDIATELY RELEASED ON SITE	NSI	P9	NA
2010 5	1	5/1/2010	HARBOR SEAL	HOOK & LINE FISHERY	GRAYS HARBOR	WA	DEAD	CARCASS; FISH HOOK AT BASE OF STOMACH	DEAD	NA	NA
2010 3		3/1/2010	TIARBON SEAL	CA HALIBUT AND	GRATSTIARBOR	WA	DLAD	CARCASS, FISH HOOK AT BASE OF STOWACH	DLAD	INA	INA
				WHITE SEABASS							
				SET GILLNET							
2010 6	5	6/5/2010	HARBOR SEAL	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				UNIDENTIFIED							
		- / /		FISHERY				WOUNDS FROM LINE EMBEDDED IN NECK (LINE NOT			
2010 6	30	6/30/2010	HARBOR SEAL	INTERACTION	LOS ANGELES	CA	DEAD	PRESENT)	DEAD	NA	NA
								SHORT METAL SHANK SPEAR WAS LODGED SIDEWAYS IN THE ANIMAL WITH ABOUT 18" OF CABLE HANGING OUT OF			
2010 7	3	7/3/2010	HARBOR SEAL	STAB WOUNDS	SANTA BARBARA	CA	DEAD	THE ANIMAL	DEAD	NA	NA
2010 /		7/3/2010	TIARBON SEAL	STAB WOONDS	SANTA BANBANA	CA	DLAD	THE ANIMAL	DLAD	INA	INA
								LIVE PUP (ATTENDED BY FEMALE) WITH MONOFILAMENT			
				HOOK & LINE				LINE AROUND ITS NECK; ATTEMPTED TO CAPTURE USING			
2010 7	25	7/25/2010	HARBOR SEAL	FISHERY	KITSAP	WA	SI	SAFE BOAT BUT ANIMAL WENT INTO WATER	SI	P8A	NA
				UNIDENTIFIED NET							
2010 8	2	8/2/2010	HARBOR SEAL	FISHERY	SAN JUAN	WA	DEAD	MUMMIFIED SKELETAL SEAL FOUND IN DERELICT NET	DEAD	NA	NA
								CARCASS; OBVIOUS PROPELLER WOUNDS ON FACE AND			
								UPPER BODY, INCLUDING 3-CM LACERATION ON LEFT			
								VENTRAL NECK AREA, 3.5 CM DEEP; 8.5-CM LACERATIONS			
2010 8	16	8/16/2010	HARBOR SEAL	VESSEL STRIKE	SAN JUAN	WA	DEAD	THROUGH LOWER MANDIBLE, ACROSS ROSTRUM, AND INTO UPPER PALLET	DEAD	NA	NA
2010 8	10	8/10/2010	HARBOR SEAL	VESSEL STRIKE	3AN JUAN	VVA	DEAD	CARCASS; BULLET FOUND IN SKULL; TRACK THROUGH	DEAD	INA	INA
							RIGHT EYE SOCKET AND INTO NASAL CAVITY; BULLET				
								FRAGMENTS SEEN IN RIGHT NASAL CAVITY VIA			
2010 8	23	8/23/2010	HARBOR SEAL	SHOOTING	MASON	WA	DEAD	RADIOGRAPHS	DEAD	NA	NA
				UNIDENTIFIED NET				FRESH DEAD PUP, BLEEDING FROM NOSE AND MOUTH,			
2010 8	24	8/24/2010	HARBOR SEAL	FISHERY	WHATCOM	WA	DEAD	FOUND IN FISHING NET; DROWNED	DEAD	NA	NA
		- / /		POWER PLANT				SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL			
2010 8	29	8/29/2010	HARBOR SEAL	ENTRAINMENT NORTHERN	SAN DIEGO	CA	NSI	RELEASED ON SITE	NSI	P9	NA
				WASHINGTON							
				MARINE SET							
				GILLNET FISHERY,							
2010 9	10	9/10/2010**	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	TRIBAL OBSERVER PROGRAM	DEAD	NA	NA
		-, -, -		NORTHERN							
				WASHINGTON							
				MARINE SET							
				GILLNET FISHERY,							
2010 9	10	9/10/2010**	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	TRIBAL OBSERVER PROGRAM	DEAD	NA	NA
				NORTHERN							
				WASHINGTON MARINE SET							
				GILLNET FISHERY,							
2010 9	10	9/10/2010**	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	TRIBAL OBSERVER PROGRAM	DEAD	NA	NA
		5, 5, 5, 5									
								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			
				HOOK & LINE				FLIPPERS; ANIMAL CAPTURED, HOOKS REMOVED, AND			
2010 9	1	9/1/2010	HARBOR SEAL	FISHERY	KING	WA	SI	RELEASED; ALL HOOKS EASY TO REMOVE EXCEPT IN FLIPPER	NSI	P5C	NA
2010 0	•	0/2/224	HADDOS SEAT	POWER PLANT	CAN DISCO	6.	***	SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL	NC:		
2010 9 2010 9	7	9/2/2010 9/7/2010	HARBOR SEAL HARBOR SEAL	ENTRAINMENT SHOOTING	SAN DIEGO WHATCOM	CA WA	NSI DEAD	RELEASED ON SITE CARCASS; TRACKING WOUND THROUGH SKULL	NSI DEAD	P9 NA	NA NA
2010 9		<i>5 1 </i> 2010	HANDUR SEAL	UNIDENTIFIED	WHATCUIVI	VVA	DEAD	CANCASS, TRACKING WOODING TRACKING SKULL	DEAD	INA	INA
				FISHERY				DEEP ENTANGLEMENT-LIKE LACERATIONS AROUND NECK.			
2010 9	15	9/15/2010	HARBOR SEAL	INTERACTION	SAN DIEGO	CA	SI	ANIMAL TAKEN INTO REHAB, TREATED AND RELEASED	NSI	P7B	NA
		-,,									

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		-					Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month I	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment		Assessment	Assessment	Value
								CARCASS; ENTRY WOUND THROUGH RIGHT EYE; BULLET			
2010 0	20	0/20/2010	HADDOD CEAL	CHOOTING	DACIFIC	14/4	DEAD	RETRIEVED FROM LEFT SIDE OF BACK OF SKULL, PROBABLE	DEAD	A1.A	
2010 9	28	9/28/2010	HARBOR SEAL	SHOOTING	PACIFIC	WA	DEAD	EXIT WOUND LIVE STRANDING; TWO CLEAR (BULLET) POINTS OF ENTRY	DEAD	NA	NA
								INTO HEAD, EACH 0.4 CM IN DIAMETER, WITH ASSOCIATED			
								TREMENDOUS HEMORRHAGE, CLOTTED BLOOD, AND			
								BROKEN BONES (E.G. BULLA AND MASTOID PROCESS);			
2010 11	11	11/11/2010	HARBOR SEAL	SHOOTING	TILLAMOOK	OR	SI	EUTHANIZED AT SITE	DEAD	P9	NA
				POWER PLANT				SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL			
2010 12	3	12/3/2010	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	RELEASED ON SITE	NSI	P9	NA
				POWER PLANT				SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL			
2010 12	4	12/4/2010	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	RELEASED ON SITE	NSI	P9	NA
								REPORTED BY DIVE TEAM WHILE CUTTING PILINGS			
								UNDERWATER AS PART OF THE DNR WOODARD BAY			
								RESTORATION PROJECT. THE SEAL WAS ENTANGLED IN A			
				NON-FISHERY				LINE THAT WAS ATTACHED TO A BUOY MARKING A BROKEN			
2010 12	21	12/21/2010	HARBOR SEAL	ENTANGLEMENT	THURSTON	WA	DEAD	PILE. THE BUOY AND LINE WERE ATTACHED.	DEAD	NA	NA
2010 12	21	12/21/2010	HARBUR SEAL		THURSTON	WA	DEAD		DEAD	NA NA	NA
				POWER PLANT				SAN ONOFRE POWER PLANT ENTRAINMENT, ANIMAL			
2010 12	28	12/28/2010	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	RELEASED ON SITE	NSI	P9	NA
				MARINE DEBRIS				LIVE ANIMAL WITH ROPE OR LINE AROUND NECK AND TOP			
2011 3	22	3/22/2011	HARBOR SEAL	ENTANGLEMENT	KITSAP	WA	SI	OF HEAD.	SI	P8A	NA
				POWER PLANT							
2011 4	2	4/2/2011	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	SAN ONOFRE POWER PLANT ENTRAINMENT	DEAD	NA	NA
				POWER PLANT							
2011 4	21	4/21/2011	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	ENTRAINED ANIMAL CAPTURED AND RELEASED	NSI	P9	NA
2011 4	25	4/25/2011	HARBOR SEAL	SHOOTING	MARIN	CA	DEAD	NECROPSY PERFORMED	DEAD	NA	NA
								VERY YOUNG PUP (1-2 INCH UMBILLICUS PRESENT)			
				HUMAN-INDUCED				ILLEGALLY REMOVED FROM BEACH BY MEMBER OF THE			
2011 4	29	4/29/2011	HARBOR SEAL	ABANDONMENT	MONTEREY	CA	SI	PUBLIC. BROUGHT TO REHABILITATION CENTER.	SI	P14	NA
				HOOK & LINE				LIVE STRANDING; FISH HOOK IN MOUTH; ANIMAL			
2011 5	19	5/19/2011	HARBOR SEAL	FISHERY	LINCOLN	OR	SI	CAPTURED; HOOK REMOVED, AND RELEASED	NSI	P5C	NA
				-				, , , , , , , , , , , , , , , , , , , ,			
				HUMAN-INDUCED				DEPENDENT PUP ILLEGALLY REMOVED FROM BEACH. DIED			
2011 5	29	5/29/2011	HARBOR SEAL	ABANDONMENT	MENDOCINO	CA	SI	DURING TRANSPORT BACK TO BEACH.	DEAD	P14	NA
2011 3	23	3/23/2011	HANDON SEAL	ABANDONVIENT	IVIENDOCINO	CA	31	DORING TRAINSPORT BACK TO BEACH.	DEAD	F14	IVA
								LIVE STRANDING; TREMBLING NOTED INITIALLY;			
								CONVULSIONS AND VOMITING REPORTED JUST PRIOR TO			
				HOOK & LINE				DEATH; FISH HOOK WITH LURE AND LINE HAD PERFORATED			
2011 5	20	E /20/2011	HADDOD CEAL		TULANAGOK	0.0	C1	·	DEAD	D2	818
2011 5	30	5/30/2011	HARBOR SEAL	FISHERY	TILLAMOOK	OR	SI	INTESTINES; SUBSTANTIAL HEMORRHAGE THROUGHOUT	DEAD	P2	NA
	_			POWER PLANT				ANIMAL CAUGHT AND RELEASED FROM COOLING WATER			
2011 6	4	6/4/2011	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	INTAKE AREA	NSI	P9	NA
				POWER PLANT				ANIMAL CAUGHT AND RELEASED FROM COOLING WATER			
2011 6	7	6/7/2011	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	INTAKE AREA	NSI	P9	NA
								SEAL ENTANGLED IN GREEN MONOFILAMENT GILLNET.			
								LACERATIONS AROUND NECK. NETTING REMOVED AND			
								ANIMAL SENT TO REHAB FACILITY. FINAL STATUS			
2011 6	12	6/12/2011	HARBOR SEAL	GILLNET FISHERY	VENTURA	CA	SI	UNKNOWN.	SI	P8A	NA
		<u> </u>									
								EXTREMELY THIN AND LETHARGIC. UNABLE TO LIFT HEAD			
								AND OFFERED NO RESISTANCE WHEN PICKED UP. XRAY			
				HOOK & LINE				SHOWED FISH HOOK IN LOWER GI TRACT. TAKEN TO			
2011 7	4	7/4/2011	HARBOR SEAL	FISHERY	SAN DIEGO	CA	SI	REHAB FACILITY. FINAL STATUS UNKNOWN.	SI	P2	NA
	•	,, ,,=011		JIILIII	5, 51200	571	J	CARCASS; EXCELLENT BODY CONDITION; PROPELLER CUTS	J1	. 4	110
								AT LEFT AXILLA AND LEFT ANKLE; TREMENDOUS			
								HEMORRHAGING AROUND NECK, PROPELLER CUTS, AND			
2011 7	0	7/0/2011	HADDOD CEAL	VECCEI CEDIVE	CLATCOR	On	DEAD		DEAD	NI A	NIA
2011 7	9	7/9/2011	HARBOR SEAL	VESSEL STRIKE HOOK & LINE	CLATSOP	OR	DEAD	PELVIC AREA	DEAD	NA	NA
2011 -	4.5	7/45/2011	HADDOS SEAT		VAULATOO!	14/4	D5.5	CARCACC FOLIND WITH HOOK THROUGH	DEAD		
2011 7	15	7/15/2011	HARBOR SEAL	FISHERY	WHATCOM	WA	DEAD	CARCASS FOUND WITH HOOK THROUGH LIP	DEAD	NA	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							laitial laiva		Final Inium.	CI Critorio Cumportina	SI Proration
Year Month D	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	Value
			•		•						
				POWER PLANT				ENTRAINMENT INTO POWER GENERATING STATION;			
	26 1	7/26/2011	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA OR	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA P9	NA NA
2011 8	1	8/1/2011	HARBOR SEAL	DOG ATTACK RESEARCH	LINCOLN	UK	SI	LIVE PUP REPORTEDLY ATTACKED BY THREE DOGS	DEAD	P9	NA NA
				SCIENTIFIC				CARCASS; CAUGHT ON HOOK OF IPHC (INTERNATIONAL			
2011 8	1	8/1/2011	HARBOR SEAL	LONGLINE	TILLAMOOK	OR	DEAD	PACIFIC HALIBUT COMMISSION) LONGLINE GEAR	DEAD	NA	NA
				HOOK & LINE				CARCASS; PIECE OF FISHING LINE AND REMNANT OF HOOK			
2011 8	11	8/11/2011	HARBOR SEAL	FISHERY	KING	WA	DEAD	FOUND IN LARGE INTESTINES	DEAD	NA	NA
				DOWED DIANT				ENTRAINMENT INTO DOWNER CENTRATING STATION.			
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	NA	NA
2011 8 .	23	8/29/2011	HARBOR SEAL	ENTRAINIVIENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER STSTEW	DEAD	INA	NA .
								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			
2011 8	30	8/30/2011	HARBOR SEAL	VESSEL STRIKE HOOK & LINE	SKAGIT	WA	DEAD	APPEARED THAT REST OF CARCASS HAD BLED OUT	DEAD	NA	NA
2011 9	5	9/5/2011	HARBOR SEAL	FISHERY	KING	WA	NSI	LIVE STRANDING; FISH HOOK IN FACE	NSI	P5B	NA
2011 3		3/3/2011	TITALISON SERVE	T ISTILLIT		****	.101	ETTE STITUTE OF THE CONTINUE C		1.55	
								CARCASS; GOOD BODY CONDITION; BULLET WOUND (30			
								MM X 20 MM) BEHIND LEFT EAR OPENING; EXIT WOUND			
								(70 MM X 70 MM) 4.5 CM BELOW AND TO RIGHT OF RIGHT			
2011		0/0/2011		SUCCESS	101.4415		2512	EAR; THIRD HOLE (40 MM) 27 MM DIRECTLY BELOW RIGHT	5545		
2011 9	8	9/8/2011	HARBOR SEAL	SHOOTING	ISLAND	WA	DEAD	EAR; NO BULLETS OR FRAGMENTS FOUND. ENTRAINMENT INTO POWER GENERATING STATION;	DEAD	NA	NA
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM			
2011 9	11	9/11/2011	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	AND RELEASED	NSI	P9	NA
		-, ,					-	•		-	
								CARCASS; TRACKING WOUND ON LEFT SIDE OF TOP OF			
								SKULL WITH ASSOCIATED HEMORRHAGING; TOP OF SKULL			
2011 9	12	9/12/2011	HARBOR SEAL	SHOOTING	THURSTON	WA	DEAD	SHATTERED AND HEMORRHAGING IN BRAIN TISSUE	DEAD	NA	NA
				UNIDENTIFIED FISHERY				PHOTO OF LIVE PUP SHOWED SOME FISHING GEAR ATTACHED TO ITS REAR FLIPPERS; ANIMAL NEVER LOCATED			
2011 9	14	9/14/2011	HARBOR SEAL	INTERACTION	SAN JUAN	WA	SI	SO UNABLE TO EXAMINE	SI	P6	NA
2011 9	14	3/14/2011	HARBON SEAL	GILLNET FISHERY,	SANJOAN	WA	31	LIVE ENTANGLEMENT IN TRIBAL FISHING NET; ANIMAL	31	ro	NA .
2011 9	19	9/19/2011	HARBOR SEAL	TRIBAL	KING	WA	NSI	DISENTANGLED AND RELEASED	NSI	P7B	NA
								CARCASS; BROUGHT IN WITH CARGO OF WHITING FISHING			
				PACIFIC WHITING				VESSEL; APPEARED TO HAVE DIED IN TRAWL NET OR IN			
2011 9	23	9/23/2011	HARBOR SEAL	TRAWL FISHERY	GRAYS HARBOR	WA	DEAD	CARGO HULL	DEAD	NA	NA
				POWER PLANT				ENTRAINMENT INTO POWER GENERATING STATION; ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM			
2011 9	25	9/25/2011	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	AND RELEASED	NSI	Р9	NA
2011 9	23	3/23/2011	HARBON SEAL	LIVITALINIVILIVI	SAN DIEGO	- CA	NOI	AND RELEASED	1451	F 9	NA .
								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			
2011 9	29	9/29/2011	HARBOR SEAL	GILLNET FISHERY	KITSAP	WA	DEAD	SKULL SMASHED WITH ASSOCIATED CREPITUS; PUNCTURE WOUNDS ON FORE FLIPPER	DEAD	NA	NA
2011 9	<u>-</u> J	3/23/2011	TIANDON SEAL	GILLINET FISHERT	KIIJAI	WA	DLAD	ADULT HARBOR SEAL WITH FISHING NET DEEPLY CUTTING	DLAD	IVA	NO.
2011 10	14	10/14/2011	HARBOR SEAL	GILLNET FISHERY	SAN DIEGO	CA	SI	INTO NECK.	SI	P8A	NA
								ENTRAINMENT INTO POWER GENERATING STATION;			
								ANIMAL DISCOVERED IN STATION COOLING WATER			
				POWER PLANT			_	SYSTEM. CAPTURED AND DIED DURING TRANSPORT TO			
2011 10	16	10/16/2011	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	SI	RELEASE SITE	DEAD	P9	NA
								CARCASS; SMALL BULLET HOLE WITH ASSOCIATED HEMORRHAGING IN ABDOMEN; INTESTINES TIGHTLY			
								TWISTED; LOTS OF FLUID IN ABDOMINAL AND THORACIC			
2011 10	25	10/25/2011	HARBOR SEAL	SHOOTING	PACIFIC	WA	DEAD	CAVITIES	DEAD	NA	NA
		-,,1								. •••	

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injuny		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Dav	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	Value
			0,000.00			•		CARCASS; ENTANGLED IN MONOFILAMENT NET; CIRCULAR			
								HOLE ON LEFT DORSAL SIDE OF THORACIC AREA (LIKELY			
								GAFF RATHER THAN BULLET HOLE), WITH ABDOMEN CUT			
2011 10	30	10/30/2011	HARBOR SEAL	GILLNET FISHERY	GRAYS HARBOR	WA	DEAD	OPEN.	DEAD	NA	NA
								CARCASS; ENTANGLED IN APPROXIMATELY 36-FT			
								MONOFILAMENT NET WITH LEAD LINE ATTACHED AND			
2011 11	1	11/1/2011	HARBOR SEAL	GILLNET FISHERY	GRAYS HARBOR	WA	DEAD	TWINE THAT WAS USED TO REPAIR HOLES IN THE NET.	DEAD	NA	NA
				POWER PLANT				ENTRAINMENT INTO POWER GENERATING STATION;			
2011 11	11	11/11/2011	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
								ENTRAINMENT INTO POWER GENERATING STATION;			
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM			
2011 11	20	11/20/2011	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	AND RELEASED	NSI	P9	NA
				GILLNET FISHERY,							
2011 11	20	11/20/2011	HARBOR SEAL	TRIBAL	MASON	WA	DEAD	REPORTED TO NOAA BY TRIBE AS KILLED IN GILLNET	DEAD	NA	NA
								ENTRAINMENT; ANIMAL DISCOVERED IN STATION COOLING			
				POWER PLANT				WATER SYSTEM. ANIMAL RELEASED AT BEACH WITH NO			
2012 1	2	1/2/2012	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	INJURIES.	NSI	P9	NA
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER			
2012 1	22	1/22/2012	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	SYSTEM.	DEAD	NA	NA
								CARCASS; RADIOGRAPH SHOWED BULLET IN HEAD AND			
								COMPOUND SKULL FRACTURE; MARKED HEMORRHAGE IN			
2012 1	6	1/6/2012	HARBOR SEAL	SHOOTING	PIERCE	WA	DEAD	BRAIN CAVITY; STOMACH HAD PARTIALLY DIGESTED FISH	DEAD	NA	NA
								UNWEANED PUP SEPARATED FROM MOTHER BY DOGS NOT			
								UNDER CONTROL OF OWNER. ANIMAL DIED IN			
2012 2	2	2/2/2012	HARBOR SEAL	HARASSMENT	SANTA BARBARA	CA	SI	REHABILITATION CENTER.	DEAD	P14	NA
								UNWEANED PUP SEPARATED FROM MOTHER BY DOGS NOT			
								UNDER CONTROL OF OWNER. ANIMAL RELEASED FROM			
								REHABILITATION CENTER. TAGGED WITH ROTOTAG #			
2012 2	6	2/6/2012	HARBOR SEAL	HARASSMENT	SANTA BARBARA	CA	SI	17896	NSI	P14	NA
								UNWEANED PUP SEPARATED FROM MOTHER BY DOGS NOT			
								UNDER CONTROL OF OWNER. ANIMAL RELEASED FROM			
								REHABILITATION CENTER. TAGGED WITH ROTOTAG #			
2012 2	11	2/11/2012	HARBOR SEAL	HARASSMENT	SANTA BARBARA	CA	SI	17897	NSI	P15	NA
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER			
2012 2	24	2/24/2012	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	SYSTEM.	DEAD	NA	NA
								CARCASS; LIKELY GUNSHOT WOUND TO ORBITAL AREA OF			
								LEFT EYESHATTERED ETHMOID, LACRIMAL, AND			
2012 2	4	2/4/2012	HARBOR SEAL	SHOOTING	LINCOLN	OR	DEAD	ZYGOMATIC BONES	DEAD	NA	NA
				POWER PLANT							
2012 3	3	3/3/2012	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER SYSTEM	DEAD	NA	NA
								CARCASS; BULLET HOLES AND TRACKS WITH ASSOCIATED			
2012 3	10	3/10/2012	HARBOR SEAL	SHOOTING	CLATSOP	OR	DEAD	HEMORRHAGING	DEAD	NA	NA
								HARASSED, ILLEGAL PICK-UP, TRANSFERRED TO REHAB			
2012 4	3	4/3/2012	HARBOR SEAL	HARASSMENT	SAN LUIS OBISPO	CA	NSI	FACILITY, TREATED AND RELEASED.	NSI	P9	NA
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER			
2012 4	5	4/5/2012	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	SYSTEM.	DEAD	NA	NA
								HARBOR SEAL PUP WAS TAKEN HOME BY RESIDENT;			
								TRANSFERRED TO REHAB FACILITY WHERE IT DIED. CAUSE			
2012 4	9	4/9/2012	HARBOR SEAL	HARASSMENT	HUMBOLDT	CA	SI	OF DEATH: UMBILICAL ABCESS AND PERITONITIS	DEAD	P9	NA
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER			
2012 4	11	4/11/2012	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	SYSTEM. RELEASED TO BEACH WITHOUT INJURIES.	NSI	P9	NA
								HARASSED - ILLEGAL PICK UP AND TOOK TO RANGERS, 3"			
								LONG WET UMBILICUS PRESENT, GOOD BODY CONDITION,			
								NON-RESPONSIVE, NOT VOCAL, SHIVERING. ANIMAL			
								BROUGHT TO REHAB FACILITY, WHERE IT DIED. MATERNAL			
2012 4	13	4/13/2012	HARBOR SEAL	HARASSMENT	MONTEREY	CA	SI	SEPARATION.	DEAD	P14	NA
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER			
2012 4	20	4/20/2012	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	SYSTEM. RELEASED TO BEACH WITHOUT INJURIES.	NSI	P9	NA
		·	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	·			· · · · · · · · · · · · · · · · · · ·	·	· · · · · · · · · · · · · · · · · · ·	

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

						CT.T.	Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month Da	y	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
2012 4 24	1	4/24/2012	HARBOR SEAL	POWER PLANT ENTRAINMENT	SAN DIEGO	CA	DEAD	ANIMAL FOUND IN POWER PLANT INTAKE SYSTEM	DEAD	NA	NA
				HOOK & LINE							
2012 4 1		4/1/2012	HARBOR SEAL	FISHERY	KING	WA	DEAD	CARCASS; ENTANGLED IN MONOFILAMENT LINE	DEAD	NA	NA
								CARCASS; FISHING LINE FOUND IN INTESTINE OF ANIMAL;			
				HOOK & LINE				PERITONITIS AND BUNCHED UP INTESTINE AT LOCATION OF			
2012 4 15	5	4/15/2012	HARBOR SEAL	FISHERY	GRAYS HARBOR	WA	DEAD	FISHING LINE OBSTRUCTION	DEAD	NA	NA
								ANIMAL WAS PICKED UP AND BROUGHT TO CENTER BY			
								MEMBER OF THE PUBLIC, WHO WAS INSTRUCTED TO			
								RETURN IT TO WHERE IT WAS FOUND. ANOTHER COUPLE			
								THEN PICKED IT UP, RELOCATED IT TO ANOTHER AREA,			
								THEN CALLED IT IN AS A STRANDING. TAGGED WITH			
2012 5 12	,	5/12/2012	HARBOR SEAL	HARASSMENT	DEL NORTE	CA	NSI	ORANGE ROTOTAG #7553.	NSI	Р9	NA
2012 3 12		3/12/2012	HANDON SEAL	HARASSIVIENT	DELINORIE	CA	IVSI	SEVERE HEAD TRAUMA, LABORED BREATHING; COD:	ICNI	гэ	INA
								SEVERE HEAD TRAUMA; BOAT STRIKE CAUSING SEVERE			
								HEAD TRAUMA AND BILATERAL MAXILLARY FRACTURES.			
2012 5 23	2	5/23/2012	HARBOR SEAL	VESSEL STRIKE	DEL NORTE	CA	SI	ANIMAL DIED IN REHAB FACILITY.	DEAD	P15	NA
2012 3 23		3/23/2012	HARDON SEAL	VESSEE STRIKE	DELIVORIE	CA	31	CARCASS; SHOT IN NECK/SCAPULAE AREAS; EXCELLENT	DEAD	115	14/4
								BODY CONDITION; UTERUS DISTENDED; MILK IN			
2012 5 19	9	5/19/2012	HARBOR SEAL	SHOOTING	PACIFIC	WA	DEAD	MAMMARY GLANDS	DEAD	NA	NA
2012 0 10		3/13/2012	TI TITO TO SETTE	5110011110	17101110	****	02710	The state of the s	52,15		
								CARCASS; CAUSE OF DEATH APPEARS TO BE TRAUMA FROM			
								SMALL-WHEELED VEHICLE; LEFT EYE BULGING; TONGUE			
				VEHICLE				BITTEN; ABRASIONS ALL ALONG VENTRAL SIDE, HAIR			
2012 5 21	2 5 21 5/21/2012	HARBOR SEAL	COLLISION	PACIFIC	WA	DEAD	RUBBED OFF IN 4-CM-WIDE, 51-CM-LONG STRIPE	DEAD	NA	NA	
		-, ,						, , , , , , , , , , , , , , , , , , , ,			
								A MEMBER OF THE PUBLIC SCOOPED THE ANIMAL OUT OF			
								THE WATER WITH A NET AND REMOVED THE FISHING			
								HOOK, LINE AND WEIGHT AND THREW IT BACK INTO THE			
								WATER AND PLACED THE ANIMAL ON THE DOCK. MILDLY			
								UNDERWEIGHT, ACTIVE, ALERT, SMALL ABRASION ON			
				HOOK & LINE				LOWER LIP. TRANSFERRED TO REHAB FACILITY, TREATED			
2012 6 14	1	6/14/2012	HARBOR SEAL	FISHERY	SAN FRANCISCO	CA	SI	AND RELEASED.	NSI	P5C	NA
				POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER			
2012 6 15	5	6/15/2012	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	SYSTEM.	DEAD	NA	NA
								LIVE CTRANSPING AND CLONE OF TRANSPINAL FIVE CUEAR AND			
								LIVE STRANDING; NO SIGNS OF TRAUMA, EYES CLEAR AND			
				LICOK & LINE				ALERT, SHAKING; DIED OVERNIGHT; FOUND			
2012 6 16	-	C/1C/2012	LIADDOD CEAL	HOOK & LINE	CDAVCHARROR	14/4	CI	APPROXIMATELY 6 INCHES OF FISHING LINE IN STOMACH;	DEAD	D2 D0	NIA
2012 6 16)	6/16/2012	HARBOR SEAL	FISHERY	GRAYS HARBOR	WA	SI	POSSIBLY ATTACKED BY DOG WHILE STILL ALIVE CARCASS; GUNSHOT TO HEAD, JUST BEHIND EYES; BULLET	DEAD	P2, P9	NA
2012 6 18	,	6/18/2012	HARBOR SEAL	SHOOTING	ISLAND	WA	DEAD	EXITED ON OTHER SIDE	DEAD	NA	NA
2012 0 10		0/10/2012	HANDON SEAL	3110011110	ISLAND	VVA	DEAD	EXITED ON OTHER SIDE	DEAD	INA	INA
								CARCASS; TWO BULLET HOLES IN NECK WITH ASSOCIATED			
								TREMENDOUS HEMORRHAGE; ABDOMINAL ORGANS			
								HEMORRHAGED; BRUISING ALONG DORSAL SPINE; GOUGE			
2012 6 18	2	6/18/2012	HARBOR SEAL	SHOOTING	PACIFIC	WA	DEAD	MARK ON RIGHT VENTRAL HIND FLIPPER	DEAD	NA	NA
2012 0 10		0/ 10/ 2012	TANDON SEAL	POWER PLANT	FACIFIC	VVA	DLAD	ANIMAL DISCOVERED IN STATION COOLING WATER	DLAD	IVA	IVA
2012 7 2		7/2/2012	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	SYSTEM. RELEASED TO BEACH.	NSI	P9	NA
		, -,		POWER PLANT	2 2.1200	-71	,,,,,	ANIMAL DISCOVERED IN STATION COOLING WATER			. ** *
2012 7 13	3	7/13/2012	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	SYSTEM.	DEAD	NA	NA
		-1-1-1		HUMAN-INDUCED			_	PUBLIC USE OF BEACH SEPARATED MOTHER AND PUP; PUP		_	_
2012 7 8		7/8/2012	HARBOR SEAL	ABANDONMENT	SKAGIT	WA	SI	DIED	DEAD	P14	NA
				NORTHERN							
				WASHINGTON							
	_	-1-1-		OCEAN TROLL			_	FISHERMAN SELF REPORT. EXACT DATE NOT GIVEN, THUS		_	_
2012 7 15	5	7/15/2014	HARBOR SEAL	FISHERY, TRIBAL	CLALLAM	WA	DEAD	MID-MONTH (DAY=15) IS USED.	DEAD	NA	NA

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Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
rear Month	Day	Date	эресіез	NORTHERN	County.Locale	JIAIL	Assessment	Comments	Assessment	Assessment	value
				WASHINGTON							
				MARINE SET				FIGURE AND SELECTION OF THE NOTION OF THE SELECTION OF TH			
2012 7	15	7/15/2014	HARROD CEAL	GILLNET FISHERY,	CLALLANA	14/4	DEAD	FISHERMAN SELF REPORT. EXACT DATE NOT GIVEN, THUS	DEAD	NIA	NIA
2012 7	15	//15/2014	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	MID-MONTH (DAY=15) IS USED. SEVERAL GASHES ON STOMACH, LETHARGIC AND	DEAD	NA	NA
								ALLOWING PEOPLE TO APPROACH; SEE DISPOSITION			
2012 8	21	8/21/2012	HARBOR SEAL	VESSEL STRIKE	SAN MATEO	CA	SI	REPORT. DIED IN REHAB.	DEAD	P15	NA
								LIVE PUP HAD SEVERAL PUNCTURE WOUNDS FROM DOG			
2012 8	1	8/1/2012	HARBOR SEAL	DOG ATTACK	SNOHOMISH	WA	SI	ATTACK; TRANSFERRED TO REHAB AND DIED	DEAD	P9	NA
								LIVE BUILD HAD E BUINCTURE WOUNDS (2 ON LEFT UID 2 ON			
								LIVE PUP HAD 5 PUNCTURE WOUNDS (2 ON LEFT HIP, 2 ON RIGHT HIP, AND A DEEP ONE ON LEFT LATERAL SIDE) FROM			
2012 8	1	8/1/2012	HARBOR SEAL	DOG ATTACK	SNOHOMISH	WA	SI	DOG ATTACK; TRANSFERRED TO REHAB AND DIED	DEAD	P9	NA
2012 0		0/1/2012	TIARBON SEAL	DOG ATTACK	SITOTIOIVIISIT	· · ·	31	PUP SUCKED INTO INTAKE VALVE OF IDLING, LARGE,	DEAD		IVA
								COMMERCIAL CATAMARAN; DECAPITATED CARCASS HAD			
2012 8	11	8/11/2012	HARBOR SEAL	VESSEL STRIKE	SAN JUAN	WA	DEAD	SEMICIRCULAR LACERATIONS ON THORAX	DEAD	NA	NA
								CARCASS; ADULT FEMALE WITH MULTIPLE GUNSHOT			
								WOUNDS; FOUND WITH PUP THAT ALSO APPEARED TO			
								HAVE BEEN SHOT, BUT PUP'S CAUSE OF DEATH COULD NOT			
2012 8	12	8/12/2012	HARBOR SEAL	SHOOTING	WHATCOM	WA	DEAD	BE DETERMINED	DEAD	NA	NA
								CARCASS; CLEAR ENTRANCE/EXIT BULLET HOLES IN BODY			
2012 8	14	8/14/2012	HARBOR SEAL	SHOOTING	PACIFIC	WA	DEAD	WITH ASSOCIATED HEMORRHAGE AND THREE BROKEN RIBS	DEAD	NA	NA
2012 0		0/14/2012	TIARBON SEAL	GILLNET FISHERY,	TACITIC	WA	DEAD	CARCASS; ONE OF FOUR PUPS CAUGHT IN ILLEGAL TRIBAL	DEAD	TVA	1474
2012 8	18	8/18/2012	HARBOR SEAL	TRIBAL	THURSTON	WA	DEAD	GILLNET	DEAD	NA	NA
				GILLNET FISHERY,				CARCASS; ONE OF FOUR PUPS CAUGHT IN ILLEGAL TRIBAL			
2012 8	18	8/18/2012	HARBOR SEAL	TRIBAL	THURSTON	WA	DEAD	GILLNET	DEAD	NA	NA
				GILLNET FISHERY,				CARCASS; ONE OF FOUR PUPS CAUGHT IN ILLEGAL TRIBAL			
2012 8	18	8/18/2012	HARBOR SEAL	TRIBAL	THURSTON	WA	DEAD	GILLNET	DEAD	NA	NA
2012	40	0/40/2042		GILLNET FISHERY,	T		5545	CARCASS; ONE OF FOUR PUPS CAUGHT IN ILLEGAL TRIBAL	2512		
2012 8	18	8/18/2012	HARBOR SEAL	TRIBAL	THURSTON	WA	DEAD	GILLNET	DEAD	NA	NA
								CARCASS; TRACKING WOUND; MARKED HEMORRHAGE			
								FROM ENTRY WOUND IN FRONT OF LEFT EAR TO BEHIND			
2012 8	20	8/20/2012	HARBOR SEAL	SHOOTING	PIERCE	WA	DEAD	LEFT EYE, WHERE PELLET WAS LODGED IN SKULL	DEAD	NA	NA
		-, -,						PUP OBSERVED STRUCK BY VESSEL; CARCASS FOUND ON			
								BEACH NEXT DAY WITH TWO, LARGE, PARALLEL (CRESCENT-			
								SHAPED), PENETRATING LACERATIONSTRANSVERSE TO			
2012 8	20	8/20/2012	HARBOR SEAL	VESSEL STRIKE	PIERCE	WA	DEAD	THE RIGHT DORSAL SIDE	DEAD	NA	NA
				DOMED DI ANT				12700 VISTA DEL MAR, SCATTERGOOD GENERATION			
2012 9	20	9/20/2012	HARBOR SEAL	POWER PLANT ENTRAINMENT	LOS ANGELES	CA	DEAD	STATION - LADWP CIRCULATING WATER SCREEN BAY (ENTERED THROUGH INTAKE TUNNEL).	DEAD	NA	NA
2012 9	20	9/20/2012	HARBOR SEAL	POWER PLANT	LO3 ANGELES	CA	DEAD	ANIMAL DISCOVERED IN STATION COOLING WATER	DEAD	IVA	INA
2012 9	24	9/24/2012	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	DEAD	SYSTEM.	DEAD	NA	NA
								CARCASS; VERY GOOD BODY CONDITION; DISTINCT BULLET		***	
								HOLE AT LEFT DORSAL NASAL AREA AND EXIT WOUND AT			
								PALATE; EXTENSIVE TRAUMA ALONG ENTIRE LEFT SIDE AND			
								ON RIGHT VENTRAL SURFACE, PROBABLY DUE TO A SECOND			
2012 9	2	9/2/2012	HARBOR SEAL	SHOOTING	CLATSOP	OR	DEAD	BULLET	DEAD	NA	NA
								DEAD PUP WITH TWO SYMMETRICAL CUTS ACROSS ABDOMEN CONSISTENT WITH PROPELLER WOUNDS;			
								MULTIPLE RIB FRACTURES ASSOCIATED WITH EXTERNAL			
								WOUNDS; LACERATIONS OF HEART, RIGHT LUNG, SPLEEN,			
								AND LIVER; HEMORRHAGE OF RIGHT ADRENAL AND LEFT			
2012 9	4	9/4/2012	HARBOR SEAL	VESSEL STRIKE	SAN JUAN	WA	DEAD	KIDNEY	DEAD	NA	NA
-											
2012 9	6	9/6/2012	HARBOR SEAL	SHOOTING	PACIFIC	WA	DEAD	CARCASS; CLEAR BULLET HOLE IN NECK; SKULL SHATTERED	DEAD	NA	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

								Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year M	lonth	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
									CARCASS; TWO DEEP LACERATIONS APPROXIMATELY 12			
									INCHES APART; ANTERIOR LACERATION SEVERED RIBS,			
2012	•		0/0/2012	HADDOD CEAL	VECCEI CEDIVE	IEEEEDCON	14/4	DEAD	LUNG, AND LIVER ON RIGHT SIDE; POSTERIOR LACERATION	DEAD	A1.A	
2012	9	8	9/8/2012	HARBOR SEAL	VESSEL STRIKE	JEFFERSON	WA	DEAD	SEVERED LUMBAR SPINE, SPINAL CORD, AND COLON	DEAD	NA	NA
									LIVE PUP WITH BITE WOUNDS DIED DURING EXAM; MALNUTRITION COMPLICATED BY BITE WOUNDS WAS			
2012	9	15	9/15/2012	HARBOR SEAL	DOG ATTACK	WHATCOM	WA	SI	SUSPECTED CAUSE OF DEATH	DEAD	P9	NA
2012	,	13	3/13/2012	HARBORSEAL	DOG ATTACK	WHATCOW	WA	31	SOSPECIED CAOSE OF DEATH	DEAD	13	NA .
									DEAD PUP WITH CURVED WOUNDS AND IMPRESSIONS			
2012	9	18	9/18/2012	HARBOR SEAL	VESSEL STRIKE	PIERCE	WA	DEAD	CONSISTENT WITH PROPELLER INJURIES	DEAD	NA	NA
									CARCASS; ANIMAL VERY THIN; THREE FISH HOOKS LOOSE IN			
									STOMACH; SHOTGUN PELLETS IN LEFT NOSE; SUBSTANTIAL			
									HOLE IN LEFT ORBITAL BONE, WITH ASSOCIATED			
									HEMORRHAGE; HEMORRHAGE AROUND BOTH EYE			
					SHOOTING/HOOK				SOCKETS AND SIDES OF NOSE; SUSPICIOUS HOLE MIDWAY			
2012	9	22	9/22/2012	HARBOR SEAL	& LINE FISHERY	CLATSOP	OR	DEAD	ALONG BLADDER	DEAD	NA	NA
									CARCASS; PENETRATING WOUND ON LEFT CHEEK,			
									APPROXIMATELY 3 CM BELOW EYE, WITH TRACKING			
2012	9	26	9/26/2012	HARBOR SEAL	SHOOTING	PACIFIC	WA	DEAD	WOUND INTO UPPER CHEEK	DEAD	NA	NA
									CARCASS; DIAMOND-SHAPED PATTERN IMPRINTED ON			
					UNIDENTIFIED NET				PELT; HISTOPATHOLOGY CONFIRMED PULMONARY			
2012	10	4	10/4/2012	HARBOR SEAL	FISHERY	JEFFERSON	WA	DEAD	HEMORRHAGE AND CONGESTION.	DEAD	NA	NA
					POWER PLANT				ANIMAL DISCOVERED IN STATION COOLING WATER			
2012	10	17	10/17/2012	HARBOR SEAL	ENTRAINMENT	SAN DIEGO	CA	NSI	SYSTEM. RELEASED ALIVE TO BEACH.	NSI	P9	NA
					NORTHERN							
					WASHINGTON MARINE SET							
					GILLNET FISHERY,				FISHERMAN SELF REPORT. EXACT DATE NOT GIVEN, THUS			
2012	10	10	10/15/2012	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	MID-MONTH (DAY=15) IS USED.	DEAD	NA	NA
2012	10	13	10/13/2012	HANDON JEAL	NORTHERN	CLALLAIVI	VVA	DEAD	MID-MONTH (DAT-13) IS USED.	DEAD	INA	INA
					WASHINGTON							
					MARINE SET							
					GILLNET FISHERY,				FISHERMAN SELF REPORT. EXACT DATE NOT GIVEN, THUS			
2012	10	15	10/15/2012	HARBOR SEAL	TRIBAL	CLALLAM	WA	DEAD	MID-MONTH (DAY=15) IS USED.	DEAD	NA	NA
									CARCASS; TWO FISH HOOKS WITH FISHING LINE FOUND IN			
									STOMACH; NO INDICATION OF INFECTION IN STOMACH;			
					HOOK & LINE				LINEAR LACERATION INSIDE MOUTH, POSSIBLY FROM			
2012	10	15	10/15/2012	HARBOR SEAL	FISHERY	GRAYS HARBOR	WA	DEAD	INGESTED FISH HOOKS	DEAD	NA	NA
									CARCASS; GOOD BODY CONDITION; FLESH MISSING FROM			
									SKULL, ENDING IN CONCISE LINE BEHIND SKULL; TOP OF			
									SKULL INTACT WITH BROKEN SHARD COVERING BOTTOM			
									HALF OF BRAIN; LEFT HIP/UPPER LEG BONE PROTRUDING			
2012	10	25	10/25/2012	HARBOR SEAL	VESSEL STRIKE	WHATCOM	WA	DEAD	FROM BODY	DEAD	NA	NA
									CARCASS; GUNSHOT WOUND TO HEAD; ENTRY WOUND			
		_							JUST VENTRAL AND CAUDAL TO RIGHT LOWER JAW; EXIT			
2012	11	4	11/4/2012	HARBOR SEAL	SHOOTING	LINCOLN	OR	DEAD	WOUND AT LOWER LEFT JAW; FRACTURED DENTARY	DEAD	NA	NA
					DUNCENECC CO.S				LIVE ANIMAL TOWING CRAB POT GEAR (BUOYS & LINE)			
					DUNGENESS CRAB				FROM CHIN AREA; GEAR TYPE CONFIRMED BY OWNER OF			
2000	5	10	5/10/2008	HIIMDDACK WILL	POT FISHERY	MONTEREY	CA	CI (DDODATE)	GEAR LEET ON ANIMAL)	CI (DDODATE)	110	0.75
2008	Э	10	3/10/2008	HUMPBACK WHALE	ENTANGLEMENT	MONTEREY VANCOUVER	CA	SI (PRORATE)	GEAR LEFT ON ANIMAL) DRAGGER STRUCK WHALE IN THE FOG. SNAPPED	SI (PRORATE)	L10	U./5
2000	5	18	5/18/2008	HUMPBACK WHALE	VESSEL STRIKE	ISLAND	B C CAMADA	SI (PRORATE)	STABILIZER ON BOAT.	SI (PRORATE)	L12	0.36
2008	3	10	3/16/2008	HUIVIPBACK WHALE	VESSEL STRIKE	ISLAIND	D.C. CANADA	SI (PRUKATE)	STADILIZER ON BUAT.	JI (PRUKATE)	L1Z	0.30

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

										F: 11 :		GLD. II
Year Moi	nth D	Dav	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
1001	5	, u	Dute	Species	meracion type	County/Locale	517112	Assessment		7.556551116116	71030531110110	value
									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			
					CRAB POT FISHERY	VANCOUVER	BRITISH		AT THE MOUTH OF THE COLUMBIA RIVER, AND THE OTHER			
2008 5	; ;	31	5/31/2008	HUMPBACK WHALE	ENTANGLEMENT	ISLAND	COLUMBIA	SI (PRORATE)	3 WERE FROM FISHING EFFORTS OFF OF WILLAPA BAY, WA.	SI (PRORATE)	L10	0.75
			-,,					(· · · · · · · · · · · · · · · · · ·	RELATIVELY GOOD BODY CONDITION AND STOMACH	(
									CONTAINED PARTIALLY DIGESTED KRILL. UPPER LEFT JAW			
									BROKEN IN SEVERAL PLACES. DEEP CLEAN CUT NEAR GAPE			
2008 6	5 1	12	6/12/2008	HUMPBACK WHALE	VESSEL STRIKE	CLALLAM	WA	DEAD	ON SAME SIDE.	DEAD	NA	NA
									CALF-SIZED ANIMAL (BUT NO MOTHER PRESENT) HAD			
									MULTIPLE CRAB LINES ATTACHED AROUND THE PECTORAL			
					CRAB POT FISHERY				FIN, MOUTH AND TRAILING BACK TO THE FLUKE. SCARS			
2008 7	,	5	7/5/2008	HUMPBACK WHALE	ENTANGLEMENT	CLALLAM	WA	SI	INDICATE IT HAD BEEN ENTANGLED FOR QUITE SOME TIME	SI	L2	1
					UNIDENTIFIED				LIVE ANIMAL TOWING POT/TRAP GEAR; NO RESIGHTINGS			
		_	- /- /		POT/TRAP FISHERY				REPORTED; NO RESCUE EFFORT INITIATED; FINAL STATUS			
2008 8	3 :	5	8/5/2008	HUMPBACK WHALE	ENTANGLEMENT UNIDENTIFIED NET	SANTA BARBARA	CA	SI (PRORATE)	UNKNOWN FREE-SWIMMING ANIMAL; NECROTIC FLUKES, FLUKES	SI (PRORATE)	L10	0.75
					FISHERY				HANGING FROM CAUDAL PEDUNCLE BY CONNECTIVE			
					ENTANGLEMENT/				TISSUE; ANIMAL APPEARS TO BE VERY WEAK; FINAL STATUS			
2008 8	3 1	10	8/10/2008	HUMPBACK WHALE	VESSEL STRIKE	MONTEREY	CA	SI	UNKNOWN	SI	L5A	1
			•									
									ANIMAL ENTANGLED IN ACTIVE SWORDFISH DRIFT GILLNET;			
									REPORT RECEIVED VIA MARINE MAMMAL AUTHORIZATION			
					CA SWORDFISH				PROGRAM DATABASE; ANIMAL RELEASED FROM NET;			
2000 4			4 /4 0 /0 000		DRIFT GILLNET			C: (DD CD 175)	UNDETERMINED AMOUNT OF TRAILING GEAR LEFT ON	C: (DD OD 475)	140	0.75
2009 1	. 1	18	1/18/2009	HUMPBACK WHALE	FISHERY	SAN DIEGO	CA	SI (PRORATE)	ANIMAL; FINAL STATUS UNKNOWN DEAD STRANDING; FLUKES MISSING; GROOVE IN SKIN	SI (PRORATE)	L10	0.75
									ACROSS VENTRAL EDGE OF CAUDAL PEDUNCLE & PART			
									WAY UP BOTH SIDES OF PEDUNCLE APPROXIMATELY 40			
					UNIDENTIFIED				CENTIMETERS FROM SEVERED END, INDICATING ROPE			
					FISHERY				ENTANGLEMENT; CARCASS EXAMINED BY HSU-VM			
2009 8	3 1	14	8/14/2009	HUMPBACK WHALE	INTERACTION	HUMBOLDT	CA	DEAD	PERSONNEL	DEAD	NA	NA
									FREE-SWIMMING ANIMAL WITH BROWNISH NETTING			
					UNIDENTIFIED NET				WRAPPED AROUND LEFT PECTORAL FIN; REPORT RECEIVED			
					FISHERY				VIA SWFSC ON SCENE DURING RESEARCH CRUISE; NO			
2009 10	0	1	10/1/2009	HUMPBACK WHALE	ENTANGLEMENT	SANTA BARBARA	CA	SI	RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN	SI (PRORATE)	L10	0.75
			, -,							. (
									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			
2046			= /a D /=		CRAB POT FISHERY				RELOCATED. GEAR CONFIRMED BY WDFW AS WA COASTAL	<u>.</u>		_
2010 5) 1	13	5/13/2010	HUMPBACK WHALE	ENTANGLEMENT	JEFFERSON	WA	SI	CRAB POT / TRAP GEAR.	SI	L2	1
									35-40 FT. HUMPBACK WHALE WITH A YELLOW CRAB POT			
					CRAB POT FISHERY				TRAILING BEHIND THE ANIMAL. ANIMAL OBSERVED FOR 15			
2010 6	5 1	19	6/19/2010	HUMPBACK WHALE	ENTANGLEMENT	CLALLAM	WA	SI (PRORATE)	MINUTES AND MOVING IN A NW DIRECTION AT 2 KNOTS.	SI (PRORATE)	L10	0.75

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year	Month	Dav	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
			2000				•		CARCASS OBSERVED FLOATING; PROPELLER WOUNDS			
2010	7	25	7/25/2010	HUMPBACK WHALE	VESSEL STRIKE	MARIN	CA	DEAD	OBSERVED	DEAD	NA	NA
									THE ANIMAL WAS AROUND 30FT LONG, WITH GREEN FISH			
									NETTING WRAPPED AROUND THE MID SECTION OF THE			
					UNIDENTIFIED NET				ANIMAL, CUTTING INTO THE FLESH. THE ENTANGLEMENT			
					FISHERY				DID NOT SEEM TO BE AFFECTING THE WHALE'S ABILITY TO			
2010	8	2	8/2/2010	HUMPBACK WHALE	ENTANGLEMENT	MONTEREY	CA	SI	SWIM OR DIVE. NO RESPONSE EFFORT ATTEMPTED.	SI	L2	1
									MULTIPLE CRAB BUOYS ATTACHED TO ITS TAIL AND IT			
2010		10	0/45/2040	III IAADDA CICAAIII A I E	CRAB POT FISHERY	LINGOLN	OD	DEAD	APPEARED TO BE ANCHORED BY THEM. CARCASS	DEAD	A1.A	
2010	8	16	8/16/2010	HUMPBACK WHALE	ENTANGLEMENT	LINCOLN	OR	DEAD	PHOTOGRAPHED LINES & BUOYS EXTENDING FROM CAUDAL PEDUNCLE;	DEAD	NA	NA
					CRAB POT FISHERY				SIGHTING REPORTED BY U.S. COAST GUARD HELICOPTER			
2010	8	17	8/17/2010	HUMPBACK WHALE	ENTANGLEMENT	MENDOCINO	CA	SI	CREW	SI (PRORATE)	L10	0.75
2010			0/11/2010	THORN BY COLUMN TO	EITTITUEEITT	WEND COMO	C, t	<u> </u>	ONE-TY	51 (1.110101112)		0.75
									ADULT HUMPBACK WHALE WITH AT LEAST 3 TIGHT WRAPS			
									OF MODERATE GAUGE, GREEN LINE AROUND MIDBODY.			
									NO BUOYS OR LINE SEEN TRAILING. ANIMAL HAS LINE SCAR			
					UNIDENTIFIED				FORWARD ACROSS BODY BEHIND BLOWHOLES. OVERALL			
					FISHERY				CONDITION OF THE ANIMAL IS GOOD. NOT EMACIATED			
2010	8	23	8/23/2010	HUMPBACK WHALE	INTERACTION	HUMBOLDT	CA	SI	AND NO HEAVY CYAMID LOAD.	SI	L2	1
					UNIDENTIFIED				HUMPBACK WHALE TRAILING RED LINE SEEN DRAPED OVER			
					FISHERY				ITS FLUKES. ENTANGLEMENT LIKELY ORIGINATES FROM			
2010	8	24	8/24/2010	HUMPBACK WHALE	INTERACTION	MONTEREY	CA	SI (PRORATE)	MOUTH OR FLIPPER(S). NO BUOYS REPORTED.	SI (PRORATE)	L10	0.75
2010			0,2.,2010	THORN DATES WITH LE		orricher	C, t	5. (MOOTH CATELLY EN(S). NO SOCIONE. CATES.	51 (1.110101112)	210	0.75
									CARCASS INITIALLY SEEN OFFSHORE, MULTIPLE YELLOW			
									AND RED FLOATS ATTACHED TO ANIMAL. GEAR WAS			
					CRAB POT FISHERY				IDENTIFIED AS OREGON DUNGENESS CRAB FISHERY GEAR			
2010	8	31	8/31/2010	HUMPBACK WHALE	ENTANGLEMENT	COOS	OR	DEAD	FROM BUOY NUMBERS AFTER ANIMAL CAME ASHORE.	DEAD	NA	NA
									ANIMAL STRUCK JUST FORWARD OF THE DORSAL FIN.			
									ONLY 20 FT OF THE ANIMAL REMAINED AFTER THE			
2044	_		5 /0 /0044		VECCEI CERUIE			2542	PROPELLOR CUT THE HEAD, PECTORAL FINS AND THORACIC	8548		
2011	5	8	5/8/2011	HUMPBACK WHALE	VESSEL STRIKE	LOS ANGELES	CA	DEAD	CAVITY AWAY	DEAD	NA	NA
									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			
					UNIDENTIFIED				OBSERVED WITH 12-15 FT OF LINE FREE-FLOATING, NOT			
					POT/TRAP FISHERY				COLLECTED. NO CONFIRMATION THAT WHALE SHED ALL			
2011	5	10	5/10/2011	HUMPBACK WHALE	ENTANGLEMENT	MONTEREY	CA	SI (PRORATE)	GEAR.	SI (PRORATE)	L10	0.75
									A SOLICAN DO AT DADTICIDATING IN A DAGE WAS CITED ON			
									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			
2011	5	12	5/12/2011	HUMPBACK WHALE	VESSEL STRIKE	CLATSOP	OR	NSI	AT 30 FT. VESSEL WAS TRAVELLING APPROXIMATELY 9 KTS	NSI	L6C	0
2011	J		3/12/2011	TOWN DACK WHALE	V LOGEL OTHING	CLATOUR	ΟN	1431	SO VESSEE WAS TRAVELLING AFFROMWATELT 5 KIS	1431	LUC	<u> </u>
					UNIDENTIFIED				APPROX. 40' HUMPBACK WHALE WITH ROPES AND "CRAB			
					POT/TRAP FISHERY				POTS" WRAPPED AROUND THE FLUKES. ANIMAL ACTIVE			
2011	7	16	7/16/2011	HUMPBACK WHALE	ENTANGLEMENT	SAN MATEO	CA	SI (PRORATE)	AND SWIMMING NORTH, NO RESIGHT, NO RESPONSE	SI (PRORATE)	L10	0.75
				·							<u> </u>	
									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			
					CDAD DOT FIGURES!				MUCH IF AT ALL. NO COLOR OF THE FLOATS OR WHERE ON			
2011	0	1.4	8/14/2011	HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	CDAVC HARRON	WA	SI	THE BODY THEY WERE LOCATED. PHOTOS DO NOT SHOW	SI	L2	4
2011	8	14	0/14/2011	HUIVIPBACK WHALE	CINTAINGLEIVIENT	GKA12 HAKBUK	ννA	21	GEAR BUT CONFIRM SPECIES.	31	LZ	1

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							67175	Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year N	<u>ionth</u>	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments 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 DETERIORTING IN CONDITION. SEEN ON AUGUST 25TH IN FALSE BAY OFF THE WEST SIDE OF SAN JUAN ISLAND.	Assessment	Assessment	Value
2011	8	25	8/25/2011	HUMPBACK WHALE	CRAB POT FISHERY ENTANGLEMENT	SAN JUAN	WA	SI	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
2012	5	13	5/13/2012	HUMPBACK WHALE	UNIDENTIFIED POT/TRAP FISHERY ENTANGLEMENT	MONTEREY	CA	SI (PRORATE)	DIVE BOAT REPORTED A 25-FOOT HUMPBACK WHALE ENTANGLED IN LINE WITH A OBLONG ORANGE BUOY TRAILING 10 - 15 FEET BEHIND THE ANIMAL. ANIMAL IS MOBILE AND HEADING TOWARDS NW. INJURIES AT BASE OF CAUDAL PEDUNCLE AND ALONG LEADING EDGE OF FLUKES; INJURIES LOOK OLDER WITH SOME GROWTH ON TIP OF FLUKE; LONG ORANGE BUOY ON 10-15 FT OF LINE TRAILING; RESIGHTED 5/14 AND 5/15; NO RESPONSE ATTEMPTED.	Si (PRORATE)	L10	0.75
2012	6	9	6/9/2012	HUMPBACK WHALE	UNIDENTIFIED FISHERY INTERACTION	MONTEREY	CA	SI (PRORATE)	SUBADULT, 35-FOOT, HUMPBACK WHALE REPORTED BY MULTIPLE PARTIES LATE IN THE DAY ENTANGLED IN APPROXIMATELY 1/2", YELLOW LINE AROUND TAIL AND PECTORAL FLIPPERS NO BUOYS WERE OBSERVED AND NO INDICATION OF ANIMAL'S CONDITION. ANIMAL HEADING WEST IN HEAVY SEA STATE.	SI (PRORATE)	L10	0.75
2008	1	28	1/28/2008	LONG-BEAKED COMMON	ENTANGLEMENT	SAN DIEGO	CA	DEAD	CARCASS; NET-LIKE SCARS ON CAUDAL PEDUNCLE, FLANK, ABDOMEN & PECTORAL FIN	DEAD	NA	NA
2008	6	14	6/14/2008	LONG-BEAKED COMMON	UNIDENTIFIED NET I FISHERY ENTANGLEMENT	VENTURA	CA	DEAD	CARCASS; FLUKES CLEANLY CUT OFF	DEAD	NA	NA
2008	8	22	8/22/2008	LONG-BEAKED COMMON DOLPHIN	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	NA	NA
2008	11	7	11/7/2008	LONG-BEAKED COMMON	CA SWORDFISH I DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2009	4	9	4/9/2009	LONG-BEAKED COMMON	UNIDENTIFIED NET	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	NA NA	NA NA
	4			LONG-BEAKED COMMON	l				DEAD STRANDING; TAIL STOCK CUT OFF; CARCASS			
2009	5	18	5/18/2009	DOLPHIN	GILLNET FISHERY	SAN DIEGO	CA	DEAD	EXAMINED BY SWFSC PERSONNEL	DEAD	NA	NA
2009	5	25	5/25/2009	LONG-BEAKED COMMON DOLPHIN	I GILLNET FISHERY	VENTURA	CA	DEAD	DEAD STRANDING; FLUKES MISSING; GAFF-LIKE MARKS ON VENTRUM; CARCASS EXAMINED BY SBMNH PERSONNEL	DEAD	NA	NA
2009	6	3	6/3/2009	LONG-BEAKED COMMON DOLPHIN	UNIDENTIFIED NET I 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	NA	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Voor Month	Day	Data	Charies	Interaction Type	County Locale	CTATE	Initial Injury	Commonts	Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments DEAD STRANDING; FISH HOOK WITH ATTACHED LINE	Assessment	Assessment	Value
			LONG-BEAKED COMMON	HOOK & LINE				WRAPPED AROUND ROSTRUM; CARCASS EXAMINED BY			
2009 12	27	12/27/2009	DOLPHIN	FISHERY	ORANGE	CA	DEAD	PACIFIC MARINE MAMMAL CENTER PERSONNEL	DEAD	NA	NA
			LONG-BEAKED COMMON								
2010 1	18	1/18/2010	DOLPHIN	GILLNET FISHERY	LOS ANGELES	CA	DEAD	FLUKES CUT OFF	DEAD	NA	NA
2010 1	20	1/20/2010	LONG-BEAKED COMMON	CILL NET FIGURDY	LOC ANGELES	64	DEAD	MICCINIC FLUKE CUT OFF DOCCIDIA DOCT MODIEM	DEAD	N/A	N. A
2010 1	20	1/20/2010	DOLPHIN LONG-BEAKED COMMON	GILLNET FISHERY	LOS ANGELES	CA	DEAD	MISSING FLUKE, CUT OFF, POSSIBLY POST-MORTEM 10 EVENLY-SPACED DIAGONAL SCARS ON LEFT SIDE,	DEAD	NA NA	NA
2010 2	18	2/18/2010	DOLPHIN	VESSEL STRIKE	LOS ANGELES	CA	DEAD	CUTTING SLIGHTLY INTO BLUBBER	DEAD	NA	NA
				UNIDENTIFIED							
			LONG-BEAKED COMMON	FISHERY							
2010 2	19	2/19/2010	DOLPHIN	INTERACTION	LOS ANGELES	CA	DEAD	FLUKE MISSING	DEAD	NA	NA
2010 4	16	4/16/2010	LONG-BEAKED COMMON DOLPHIN	GILLNET FISHERY	SAN DIEGO	CA	DEAD	TAIL STOCK CUT OFF	DEAD	NA	NA
2010 4	10	4/10/2010	LONG-BEAKED COMMON	GILLINET FISHERT	SAN DIEGO	CA	DEAD	TAIL STOCK COT OFF	DEAD	IVA	INA
2010 6	21	6/21/2010	DOLPHIN	GILLNET FISHERY	VENTURA	CA	DEAD	PEDUNCLE CLEANLY CUT	DEAD	NA	NA
			LONG-BEAKED COMMON								
2010 7	17	7/17/2010	DOLPHIN	KNIFE WOUNDS	VENTURA	CA	DEAD	SEVERAL KNIFE SLASHES ON BODY	DEAD	NA	NA
								CDOCC HATCH INDENTATIONS ALONG DIGHT AND LEFT			
			LONG-BEAKED COMMON					CROSS-HATCH INDENTATIONS ALONG RIGHT AND LEFT LATERAL ASPECTS OF BODY. LINE INDENTATIONS ALONG			
2010 7	19	7/19/2010	DOLPHIN	GILLNET FISHERY	SAN DIEGO	CA	DEAD	THE DORSAL FIN. BROKEN TEETH IN THE JAW.	DEAD	NA	NA
2010 7	13	7/15/2010	DOLI TIIIV	CA HALIBUT AND	SAIN DIEGO	- CA	DEAD	THE DOTIONETTIN. BROKEN FEETITIN THE JAW.	DEAD	IVA	147
				WHITE SEABASS							
			LONG-BEAKED COMMON	SET GILLNET							
2010 9	5	9/5/2010	DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			LONG-BEAKED COMMON	CA SWORDFISH DRIFT GILLNET							
2010 11	19	11/19/2010	DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2010 11	13	11/15/2010	LONG-BEAKED COMMON	HISHERI	OTTSHORE	- CA	DEAD	NET AND ROPE IMPRESSIONS AROUND HEAD, JAWS, AND	DEAD	IVA	147
2011 1	11	1/11/2011	DOLPHIN	GILLNET FISHERY	SAN DIEGO	CA	DEAD	PEDUNCLE.	DEAD	NA	NA
				UNDERWATER							
			LONG-BEAKED COMMON								
2011 3	4	3/4/2011	DOLPHIN	EXERCISES UNDERWATER	SAN DIEGO	CA	DEAD	SEE DANIL AND ST LEGER 2011	DEAD	NA	NA
			LONG-BEAKED COMMON	DETONATION							
2011 3	4	3/4/2011	DOLPHIN	EXERCISES	SAN DIEGO	CA	DEAD	SEE DANIL AND ST LEGER 2011	DEAD	NA	NA
				UNDERWATER							
			LONG-BEAKED COMMON	DETONATION							
2011 3	4	3/4/2011	DOLPHIN	EXERCISES	SAN DIEGO	CA	DEAD	SEE DANIL AND ST LEGER 2011	DEAD	NA	NA
				UNDERWATER							
2011 3	7	3/7/2011	LONG-BEAKED COMMON DOLPHIN	DETONATION EXERCISES	SAN DIEGO	CA	DEAD	SEE DANIL AND ST LEGER 2011	DEAD	NA	NA
2011 3		3/1/2011	LONG-BEAKED COMMON		JAN DILGO	CA	DLAD	SEE DANIE AND STEEGEN 2011	DLAD	INA	IVA
2011 4	10	4/10/2011	DOLPHIN	INGESTION	SAN DIEGO	CA	DEAD	CHEETOS BAG LODGED IN ESOPHAGUS	DEAD	NA	NA
			LONG-BEAKED COMMON								
2011 5	12	5/12/2011	DOLPHIN	GILLNET FISHERY	ORANGE	CA	DEAD	ENTANGLED IN 8.5 INCH MESH NET	DEAD	NA	NA
2011 6		C /4.4 /204.4	LONG-BEAKED COMMON	CILL NET FIGURDY	VENTUDA	64	DEAD	FLUKES WERE CLEANLY CUT OFF. CUT ON TAIL END	DEAD	N/A	N. A
2011 6	11	6/11/2011	DOLPHIN	UNIDENTIFIED	VENTURA	CA	DEAD	APPEARS TO BE FROM NETTING (ENTANGLEMENT).	DEAD	NA	NA
			LONG-BEAKED COMMON	FISHERY							
2011 7	8	7/8/2011	DOLPHIN	INTERACTION	VENTURA	CA	DEAD	FRESH DEAD, GAFF MARK IN CORNER OF MOUTH	DEAD	NA	NA
				UNIDENTIFIED			-				-
			LONG-BEAKED COMMON	FISHERY							
2011 7	14	7/14/2011	DOLPHIN	INTERACTION	VENTURA	CA	DEAD	CUT HALF WAY THROUGH DORSAL FIN	DEAD	NA	NA
			LONG-BEAKED COMMON	UNIDENTIFIED FISHERY							
2011 7	23	7/23/2011	DOLPHIN	INTERACTION	VENTURA	CA	DEAD	RED ROPE TIED AROUND BASE OF FLUKE	DEAD	NA	NA
		.,25,2011	502.1	UNIDENTIFIED	, 2, 1, 1, 0, 10, 1	<u> </u>	00.0		50.0		
			LONG-BEAKED COMMON	FISHERY				MIRROR IMAGE LACERATIONS ON BOTH SIDES ON CAUDAL			
2011 9	1	9/1/2011	DOLPHIN	INTERACTION	SAN DIEGO	CA	DEAD	PEDUNCLE INDICATE ENTANGLEMENT	DEAD	NA	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

								Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year M	1onth	Dav	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
					UNIDENTIFIED	,	-		PUNCTURES & GOUGES ON HEAD, RED BLUBBER/MISSING			
				LONG-BEAKED COMMON					SKIN ON SIDES OF PEDUNCLE, CLEAN CUT ACROSS			
2011	9	9	9/9/2011	DOLPHIN LONG-BEAKED COMMON	INTERACTION	VENTURA	CA	DEAD	PEDUNCLE ANTERIOR TO FLUKES	DEAD	NA	NA
2011	9	17	9/17/2011	DOLPHIN	GILLNET FISHERY	VENTURA	CA	DEAD	FLUKES CLEANLY CUT OFF	DEAD	NA	NA
2011			3/1//2011	LONG-BEAKED COMMON		721110101	G/ t	50.15	TECHES CELTURE! COT OT!	52,15		
2011	9	28	9/28/2011	DOLPHIN	GILLNET FISHERY	VENTURA	CA	DEAD	FLUKES CLEANLY CUT OFF	DEAD	NA	NA
					CA SWORDFISH							
2011	11	4	11/4/2011	LONG-BEAKED COMMON DOLPHIN	DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2011	11	4	11/4/2011	LONG-BEAKED COMMON		OFFSHUKE	CA	DEAD	OBSERVER PROGRAMI	DEAD	NA NA	NA NA
2012	3	12	3/12/2012	DOLPHIN	GILLNET FISHERY	LOS ANGELES	CA	DEAD	FLUKES CUTOFF; CUT MADE 34 CM BEHIND ANAL OPENING.	DEAD	NA	NA
				LONG-BEAKED COMMON	HOOK & LINE				LIVE ANIMAL ON BEACH, TAKEN TO SEA WORLD, DIED IN REHAB. FISHING LINE WRAPPED AROUND RIGHT FLUKE. SIGNIFICANT DAMAGE TO FLUKE.; CAUSE OF DEATH: LACERATION OF ARTERY IN TAIL FLUKE; SEVERE CHRONIC AND ACTIVE LINE INJURY WITH VASCULAR LACERATION			
2012	4	6	4/6/2012	DOLPHIN	FISHERY	SAN DIEGO	CA	SI	AND EXSANGUINATION. MILD PERIPORTAL HEPATITIS.	DEAD	S8A	NA
					UNKNOWN							
2012	-	20	7/20/2012	LONG-BEAKED COMMON		VENTUDA	C4	DEAD	LINE MADIC ADOLIND DOCTOLINA/MOLITIL	DEAD	N/A	NIA.
2012	7	30	7/30/2012	DOLPHIN LONG-BEAKED COMMON	HOOK & LINE	VENTURA	CA	DEAD	LINE MARKS AROUND ROSTRUM/MOUTH	DEAD	NA	NA
2012	8	9	8/9/2012	DOLPHIN	FISHERY	VENTURA	CA	DEAD	FISHING LINE AROUND FLUKES	DEAD	NA	NA
					UNKNOWN							
				LONG-BEAKED COMMON								
2012	8	10	8/10/2012	DOLPHIN	INTERACTION	VENTURA	CA	DEAD	LINE WRAPPED AROUND PEDUNCLE AND TAIL	DEAD	NA	NA
				LONG-BEAKED COMMON	UNKNOWN FISHERY				3RD STRANDING IN THIS AREA IN 3 DAYS. NO DETAILS			
2012	8	11	8/11/2012	DOLPHIN	INTERACTION	VENTURA	CA	DEAD	GIVEN.	DEAD	NA	NA
					UNKNOWN							
				LONG-BEAKED COMMON								
	12 4	17 17	12/17/2012 4/17/2010	DOLPHIN MINKE WHALE	INTERACTION GILLNET FISHERY	SAN DIEGO MONTEREY	CA CA	DEAD SI (PRORATE)	SEVERED FLUKES. ROPE & NETTING AROUND HEAD AREA	DEAD SI (PRORATE)	NA L10	0.75
2010	4	1/	4/17/2010	WIIINE WHALE	CA SWORDFISH	WONTERET	CA	31 (FRORATE)	NOTE & NETTING ANOUND HEAD ANEA	31 (FRORATE)	LIU	0.73
					DRIFT GILLNET				ANIMAL DISENTANGLED AND RELEASED WITHOUT			
2011	12	18	12/18/2011	MINKE WHALE	FISHERY	OFFSHORE	CA	NSI	TRAILING GEAR.	NSI	L3	NA
			. / /	NORTHERN ELEPHANT	MARINE DEBRIS				LIVE ANIMAL ON ELEPHANT SEAL ROOKERY; ROPE FRAGMENT AROUND NECK; NO RESCUE EFFORT INITIATED DUE TO PRESENCE OF OTHER ANIMALS; FINAL STATUS	_		
2008	4	16	4/16/2008	SEAL NORTHERN ELEPHANT	ENTANGLEMENT	SAN LUIS OBISPO	CA	SI	UNKNOWN	SI	P8A	NA
2008	5	3	5/3/2008	SEAL	SHOOTING	SAN LUIS OBISPO	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD	DEAD	NA	NA
			0,0,2000	NORTHERN ELEPHANT							****	
2008	5	3	5/3/2008	SEAL	SHOOTING	SAN LUIS OBISPO	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD	DEAD	NA	NA
2000	-	2	E /2 /2000	NORTHERN ELEPHANT	CHOOTING	CANLLING ODICDO	C4	DEAD	CADCACC CUNCULATIVIOUND TO HEAD	DEAD	N/A	NIA.
2008	5	3	5/3/2008	SEAL	SHOOTING	SAN LUIS OBISPO	CA	DEAD	CARCASS; GUNSHOT WOUND TO HEAD LIVE ANIMAL ON ELEPHANT SEAL ROOKERY; PACKING	DEAD	NA	NA
				NORTHERN ELEPHANT	MARINE DEBRIS				STRAP AROUND NECK; NO RESCUE EFFORT INITIATED DUE TO PRESENCE OF OTHER ANIMALS; FINAL STATUS			
2008	5	10	5/10/2008	SEAL	ENTANGLEMENT	SAN LUIS OBISPO	CA	SI	UNKNOWN	SI	P8A	NA
				NODTHERN STERVIS	MADINE DEDECT				LIVE ANIMAL; PLASTIC STRAP AROUND NECK; ANIMAL			
2008	5	27	5/27/2008	NORTHERN ELEPHANT SEAL	MARINE DEBRIS ENTANGLEMENT	MARIN	CA	SI	CONTINUOUSLY IN & OUT OF WATER; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN	SI	P8A	NA
2000	J	۷.	3/2//2008	NORTHERN ELEPHANT	LIVIANGLEIVIENT	INIVIIIA	CA	JI .	CARCASS; HEALED PROPELLER WOUNDS DOWN LENGTH OF	JI	r OM	IVA
2008	6	1	6/1/2008	SEAL	VESSEL STRIKE	LOS ANGELES	CA	DEAD	BACK; CAUSE OF DEATH = UNKNOWN	DEAD	NA	NA
				NORTHERN ELEPHANT	MARINE DEBRIS			<u> </u>				· · · · · · · · · · · · · · · · · · ·
2008	7	17	7/17/2008	SEAL NORTHERN ELEPHANT	ENTANGLEMENT	SAN DIEGO	CA	DEAD	CARCASS; ROPE TIGHTLY WOUND AROUND NECK	DEAD	NA	NA
2008	10	30	10/30/2008		CAR COLLISION	ALAMEDA	CA	DEAD	LIVE ANIMAL IN MIDDLE OF ROAD, HIT BY CAR; MORTALITY	DEAD	NA	NA
2000	10	30	10/30/2000	JLAL	CAN COLLISION	ALAIVILDA	CA	DLAD	LIVE ANIMAL IN WINDEL OF NOAD, THE DE CAR, WORTALITE	DLAD	IVA.	INV

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

								Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year N	Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
									LIVE ANIMAL ON ESTABLISHED ELEPHANT SEAL ROOKERY;			
									PACKING STRAP AROUND NECK; ADULT FEMALE WITH			
				NODTHEDNIELEDHANT	MADINE DEDDIC				DEPENDENT PUP; UNABLE TO DISENTANGLE ADULT DUE TO			
2000	1	25	1/25/2009	NORTHERN ELEPHANT	MARINE DEBRIS	CAN LLUC ODICDO	CA	CI	PRESENCE OF THIS & OTHER PUPS; FINAL STATUS UNKNOWN	CI	DOA	NIA
2009	11	25	1/25/2009	SEAL	ENTANGLEMENT	SAN LUIS OBISPO	CA	SI	LIVE STRANDING; FISH HOOK WITH ATTACHED LINE &	SI	P8A	NA
									SINKERS IN LEFT REAR FLIPPER; ANOTHER FISH HOOK			
									EMBEDDED JUST ABOVE RIGHT EYE; MORTALITY (ANIMAL			
				NORTHERN ELEPHANT	HOOK & LINE				DIED IN REHAB; CAUSE OF DEATH = GASTROINTESTINAL			
2009	2	6	2/6/2009	SEAL	FISHERY	LOS ANGELES	CA	SI	PARASITISM)	DEAD	P5B	NA
									•			
									LIVE STRANDING; MORTALITY (ANIMAL EUTHANIZED IN			
									REHAB DUE TO INTRASPECIES TRAUMA & OSTEOMYELITIS			
				NORTHERN ELEPHANT	HOOK & LINE				IN REAR FLIPPER BONES; NECROPSY REVEALED FISH HOOK			
2009	2	15	2/15/2009	SEAL	FISHERY	MONTEREY	CA	SI	& ATTACHED LINE IN STOMACH)	DEAD	P2	NA
									LIVE CTRANIDING, ANIMANI ENTANCI ED INLI ODCTED TOAD			
									LIVE STRANDING; ANIMAL ENTANGLED IN LOBSTER TRAP GEAR; ROPE & BUOY WRAPPED AROUND ANIMAL'S NECK;			
									75 FEET OF ROPE EXTENDING FROM ANIMAL TO TRAP;			
				NORTHERN ELEPHANT	LOBSTER TRAP				GEAR TYPE CONFIRMED BY OWNER OF GEAR; NON-FATAL			
2009	3	10	3/10/2009	SEAL	ENTANGLEMENT	VENTURA	CA	SI	INJURY (ANIMAL DISENTANGLED ON SITE & RELEASED)	NSI	Р7В	NA
2003		10	3/10/2003	JEAL	ENTANGEEMENT	VENTORA	CA	31	LIVE STRANDING; PLASTIC TRASH BAG WRAPPED AROUND	1451	170	IVA
				NORTHERN ELEPHANT	MARINE DEBRIS				HEAD; NON-FATAL INJURY (ANIMAL RELEASED FROM			
2009	3	27	3/27/2009	SEAL	ENTANGLEMENT	LOS ANGELES	CA	SI	REHAB)	NSI	P7B	NA
			•						LIVE STRANDING; FISH HOOK IN BACK; MORTALITY (ANIMAL			
									DIED IN REHAB; NECROPSY REVEALED SEVERAL PIECES OF			
					HOOK & LINE				SMALL, IRREGULAR-SHAPED, HARD, WHITE, SHARP-EDGED			
				NORTHERN ELEPHANT	FISHERY/MARINE				FOREIGN SUBSTANCES SIMILAR TO HARD PLASTIC IN			
2009	4	22	4/22/2009	SEAL	DEBRIS INGESTION	LOS ANGELES	CA	NSI	STOMACH)	DEAD	P2	NA
					UNIDENTIFIED							
					FISHERY							
					INTERACTION /				DEAD STRANDING; MONOFILAMENT LINE-LIKE LINEAR			
2000	5	12	5/13/2009	NORTHERN ELEPHANT	MARINE DEBRIS ENTANGLEMENT	CAN DIECO	CA	DEAD	LACERATION EXTENDING INTO MUSCLE ON VENTRUM NEAR FLIPPERS; CARCASS EXAMINED BY SWFSC PERSONNEL	DEAD	NA	NA
2009	3	13	5/13/2009	SEAL NORTHERN ELEPHANT	POWER PLANT	SAN DIEGO	CA	DEAD	NEAR FLIPPERS; CARCASS EXAMINED BY SWESC PERSONNEL	DEAD	NA	NA NA
2009	5	16	5/16/2009	SEAL	ENTRAINMENT	VENTURA	CA	DEAD	CARCASS FLOATING IN POWER PLANT INTAKE CHANNEL	DEAD	NA	NA
2003		10	3/10/2003	JEAL	EIVITOAIIVIEIVI	VENTORA	CA	DEAD	LIVE STRANDING; GREEN PACKING STRAP AROUND NECK;	DEAD	IVA	IVA
				NORTHERN ELEPHANT	MARINE DEBRIS				NON-FATAL INJURY (ANIMAL DISENTANGLED & RELEASED			
2009	5	30	5/30/2009	SEAL	ENTANGLEMENT	SAN MATEO	CA	SI	ON SITE)	NSI	P7B	NA
				NORTHERN ELEPHANT	HOOK & LINE				FISH HOOK WAS IN THE GUM ABOVE THE RIGHT CANINE			
2009	6	14	6/14/2009	SEAL	FISHERY	COOS	OR	SI	TOOTH. TRANSPORTED TO OREGON COAST AQUARIUM.	NSI	P5C	NA
									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			
				NORTHERN ELEPHANT	HOOK & LINE				AND LINE WITH A CATCH POLE. ANIMAL WAS DEEMED HEALTHY AND IT WENT BACK INTO THE WATER LATER THAT			
2009	9	23	9/23/2009	SEAL	FISHERY	KING	WA	NSI	EVENING.	NSI	P5C	NA
2003	3	23	5/25/2003	JLAL	HUHLINI	KINO	**^	1431	EVERING.	IVOI	rJC	IVA
									LIVE ANIMAL ON ESTABLISHED ELEPHANT SEAL ROOKERY;			
				NORTHERN ELEPHANT	MARINE DEBRIS				WHITE PACKING STRAP AROUND NECK; NON-FATAL INJURY			
2009	9	24	9/24/2009	SEAL		SAN LUIS OBISPO	CA	SI	(ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA
									LIVE ANIMAL IN ESTABLISHED ELEPHANT SEAL ROOKERY;			
				NORTHERN ELEPHANT	MARINE DEBRIS				WHITE PACKING STRAP AROUND NECK; NON-FATAL INJURY			
2009	10	24	10/24/2009	SEAL	ENTANGLEMENT	SAN LUIS OBISPO	CA	SI	(ANIMAL DISENTANGLED & RELEASED ON SITE)	NSI	P7B	NA

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
				′'	,			LIVE ANIMAL ON ESTABLISHED ELEPHANT SEAL ROOKERY;			
								GILLNET FRAGMENT AROUND NECK; UNABLE TO RESCUE			
			NORTHERN ELEPHANT					DUE TO PROXIMITY TO OTHER ANIMALS ON ROOKERY;			
2009 11	23	11/23/2009	SEAL	GILLNET FISHERY	MARIN	CA	SI	FINAL STATUS UNKNOWN	SI	P8A	NA
2005 11		11/25/2005	SE/1E	GIEERTET FIORIERT		C/ \	<u> </u>	SEAL REPORTED ALIVE ON THE BEACH IN DISTRESS ON	<u> </u>	10/1	
			NORTHERN ELEPHANT					2/2/10. WDFW RESPONDED, BULLET FOUND IN LOWER			
2010 2	2	2/2/2010	SEAL	SHOOTING	PACIFIC	WA	SI	BRAIN CAVITY.	DEAD	P9	NA
2010 2		2/2/2010	NORTHERN ELEPHANT	SHOOTING	PACIFIC	WA	31	BRAIN CAVITT.	DEAD	P9	INA
2010 2	2	2/2/2010		CHOOTING	DACIFIC	14/4	DEAD	DULL ET FOLIND IN DRAIN CAVITY	DEAD		
2010 2	2	2/2/2010	SEAL	SHOOTING	PACIFIC	WA	DEAD	BULLET FOUND IN BRAIN CAVITY	DEAD	NA	NA
								DUD 50.000 00.4.4.4.000 00.4.00.4.00.4.00.000 TAV50			
2010 2	20	2/20/2010	NORTHERN ELEPHANT				61	PUP FOUND IN A LAUNDRY ROOM ON A DOG BED, TAKEN	61		
2010 2	28	2/28/2010	SEAL	ABANDONMENT	SANTA CRUZ	CA	SI	INTO REHAB, TREATED AND RELEASED	SI	P14	NA
			NORTHERN ELEPHANT	POWER PLANT							
2010 3	31	3/31/2010	SEAL	ENTRAINMENT	VENTURA	CA	DEAD	FOUND IN POWER STATION'S INTAKE TAKE	DEAD	NA	NA
			NORTHERN ELEPHANT	MARINE DEBRIS				PLASTIC LODGED IN THROAT. ANIMAL TAKEN INTO REHAB,			
2010 5	9	5/9/2010	SEAL	INGESTION	MONTEREY	CA	SI	TREATED AND RELEASED	NSI	P9	NA
								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			
			NORTHERN ELEPHANT	MARINE DEBRIS				OVER HEAD WITHOUT CUTTING BAND. DISENTANGLED BY			
2010 10	6	10/6/2010	SEAL	ENTANGLEMENT	SAN MATEO	CA	SI	VETERINARIAN RESEARCH TEAM	NSI	P7B	NA
2010 10		10,0,2010	DE/ LE	EITT/ IIT GEEITTEIT	57.114.117.112.0	C/ \	J.	VETERITY III I TEGET III I TEG	113.	17.5	
			NORTHERN ELEPHANT	MARINE DEBRIS				ANIMAL ENTANGLED IN 1/2" ROPE NETTING AROUND			
2011 1	20	1/20/2011	SEAL		MARIN	CA	CI	NECK. DISENTANGLED, IMMEDIATE RELEASE ON SITE.	NSI	P7B	NA
2011 1	20	1/20/2011		ENTANGLEMENT	IVIARIN	CA	SI	NECK. DISENTANGLED, IMMEDIATE RELEASE ON SITE.	INSI	P/B	NA NA
2011		4/0/0044	NORTHERN ELEPHANT	DECE + DOLL			5545	DECEMBELL AND AND DIED LINDED AND SCHOOL	2542		
2011 4	3	4/3/2011	SEAL	RESEARCH	SAN MATEO	CA	DEAD	RESEARCH ANIMAL DIED UNDER ANAESTHESIA	DEAD	NA	NA
			NORTHERN ELEPHANT					UNDERWEIGHT ANIMAL WITH TAR ON MUZZLE AND EYE.			
2011 4	8	4/8/2011	SEAL	TAR	ORANGE	CA	SI	TAKEN INTO REHAB CENTER FOR TREATMENT	SI	P9	NA
								ENTANGLED WITH GREEN PACKING STRAP AROUND NECK,			
								MILDLY UNDERWEIGHT. VETERINARY STAFF			
			NORTHERN ELEPHANT	MARINE DEBRIS				DISENTANGLED AND IMMEDIATELY RELEASED AT			
2011 11	8	11/8/2011	SEAL	ENTANGLEMENT	SAN LUIS OBISPO	CA	SI	STRANDING SITE	SI	P1, P7B	NA
			NORTHERN ELEPHANT	MARINE DEBRIS				ENTANGLEMENT AROUND NECK, DISENTANGLED ON SITE.;			
2012 1	10	1/10/2012	SEAL	ENTANGLEMENT	MARIN	CA	SI	ORIGINALLY OBSERVED ENTANGLED 11/16/2009	NSI	P7B	NA
		-,,								· · ·	
								A BULLET HOLE WITH ASSOC. HEMORRHAGE AT STERNUM,			
								PARTIALLY CUT AREA AND A SUSPICIOUS HOLE ON HIND			
								FLIPPER; SOME ORGANS HEMORRHAGED; YELLOW FOAM			
			NODTHEDNIELEDHANT					·			
	_		NORTHERN ELEPHANT					IN BRONCHIOLES; LYMPH NODES APPEARED ENLARGED;			
2012 1	1	1/1/2012	SEAL	SHOOTING	PACIFIC	WA	DEAD	SMALL INTESTINES "BEADED".	DEAD	NA	NA
								ANIMAL HAD GREAT BODY CONDITION; BULLET HOLES IN			
								HEAD AND BODY WITH ASSOCIATED HEMORRHAGE;			
								TREMENDOUS HEMORRHAGE AT NECK, FLIPPERS, AND			
			NORTHERN ELEPHANT					BETWEEN DORSAL SCAPULAE; INTESTINES TWISTED; HEART			
2012 2	21	2/21/2012	SEAL	SHOOTING	CLATSOP	OR	DEAD	SEEMED SMALL AND HAD A RIP ACROSS RIGHT VENTRICLE.	DEAD	NA	NA
								MALNUTRITION, DEHYDRATION, TAR ON RIGHT SIDE OF			
			NORTHERN ELEPHANT					FACE. TAKEN INTO REHAB, TREATED AND RELEASED.			
2012 3	26	3/26/2012	SEAL	TAR	ORANGE	CA	SI	TAGGED WITH ROTOTAG #22335.	NSI	P9	NA
	20	3/20/2012	JERE	17313	OTTATOL	CA	J1	CLEAR ENTRANCE AND EXIT BULLET HOLES WITH	1451	1.5	19/3
								ASSOCIATED HEMORRHAGING IN BODY; GAFF CUT ON			
			NODTHEDNI FLEDLIANT								
2012 -		C (4.0 /	NORTHERN ELEPHANT		D.4.6:		5	ABDOMEN; HEAD GONE; BLOOD IN THORACIC AND	85:-		
2012 6	12	6/12/2012	SEAL	SHOOTING	PACIFIC	WA	DEAD	ABDOMINAL CAVITIES.	DEAD	NA	NA
								UNDERWEIGHT, LACERATION ON LEFT SHOULDER FROM			
								POSSIBLE BOAT STRIKE, UNDERWEIGHT, BLEEDING FROM			
			NORTHERN ELEPHANT					NOSE. ANIMAL TAKEN INTO REHAB, TREATED AND			
2012 7	3	7/3/2012	SEAL	VESSEL STRIKE	DEL NORTE	CA	SI	RELEASED. TAGGED WITH ORANGE ROTOTAG #7529.	NSI	P9	NA
						-			-	*	

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

Year Month D	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
			NORTHERN ELEPHANT					EXCELLENT BODY CONDITION. TWO BULLET HOLES WITH ASSOCIATED TRACKS AND HEMORRHAGE IN NECK; HEMORRHAGE AT RIGHT LATERAL JAW, RIGHT LUNG, AND			
2012 7 2	25 7/	/25/2012	SEAL	SHOOTING	PACIFIC	WA	DEAD	KIDNEYS, SIGNIFICANT BLOOD IN ABDOMINAL CAVITY.	DEAD	NA	NA
2008 4 2	26 4/	/26/2008	NORTHERN FUR SEAL	SCIENTIFIC RESEARCH TRAWL	OFFSHORE SAN FRANCISCO	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
2008 4 2	26 4/	20/2008	NORTHERN FOR SEAL	RESEARCH TRAVEL	FRANCISCO	CA	DEAD	LIVE ANIMAL SWIMMING OFFSHORE ENTANGLED IN 3.5	DEAD	NA .	NA .
								POUNDS OF NETTING, MONOFILAMENT FISHING LINE, FISHING LURES, AND FISH HOOKS; ANIMAL BARELY ABLE TO			
2008 6 1	11 6/	/11/2008	NORTHERN FUR SEAL	UNIDENTIFIED NET FISHERY	ORANGE	CA	SI	STAY AFLOAT; ANIMAL CAPTURED, TAKEN INTO REHAB, DISENTANGLED, TREATED, AND RELEASED	NSI	P7B	NA
2000 0 1	11 0/	11/2000	NONTIENTONSEAL	MARINE DEBRIS	OWNINGE	CA	31	DISENTANGEES, INCATES, AND RELEASES	1451	175	IVA
2008 7	9 7	/9/2008	NORTHERN FUR SEAL	ENTANGLEMENT	LOS ANGELES	CA	DEAD	CARCASS; PLASTIC BAND AROUND NECK.	DEAD	NA	NA
2000 7	24 7/	/24 /2000	NORTHERN THE CEAL	SCIENTIFIC	MENIDOCINO	64	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH	DEAD	NA.	
2008 7 3	31 7/	/31/2008	NORTHERN FUR SEAL	RESEARCH TRAWL	MENDOCINO	CA	DEAD	TRAWL.	DEAD	NA	NA
				SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 8	2 8	/2/2008	NORTHERN FUR SEAL	RESEARCH TRAWL	SAN FRANCISCO	CA	DEAD	TRAWL. LIVE STRANDING; FISH HOOK WITH ATTACHED LINE IN BACK	DEAD	NA	NA
				HOOK & LINE				OF TONGUE; ANIMAL TAKEN INTO REHAB, TREATED, AND			
2008 10 1	19 10	/19/2008	NORTHERN FUR SEAL	FISHERY	LOS ANGELES	CA	SI	RELEASED.	NSI	P5C	NA
2000 2		/4 /2000	NODTHEDN FUR CEAL	UNIDENTIFIED NET	CLATCOR	0.0	DEAD	CARCASS; NET ENTANGLEMENT; EMACIATED, HEAVY	DEAD	N/A	
2009 2	1 2	/1/2009	NORTHERN FUR SEAL	FISHERY	CLATSOP	OR	DEAD	BRUISING ON VENTRAL THORAX AND ABDOMEN. ONE OF THREE FUR SEALS FOUND IN BLUE LARGE MESH	DEAD	NA	NA
				MARINE DEBRIS				NET ON BEACH. NET IDENTIFIED AS BEING CHINESE IN			
2009 4	7 4	/7/2009	NORTHERN FUR SEAL	ENTANGLEMENT	LINCOLN	OR	DEAD	ORIGIN.	DEAD	NA	NA
				MARINE DEBRIS				ONE OF THREE FUR SEALS FOUND IN BLUE LARGE MESH NET ON BEACH. NET IDENTIFIED AS BEING CHINESE IN			
2009 4	7 4	/7/2009	NORTHERN FUR SEAL	ENTANGLEMENT	LINCOLN	OR	DEAD	ORIGIN.	DEAD	NA	NA
								ONE OF THREE FUR SEALS FOUND IN BLUE LARGE MESH			
2009 4	7 4	/7/2009	NORTHERN FUR SEAL	MARINE DEBRIS ENTANGLEMENT	LINCOLN	OB	DEAD	NET ON BEACH. NET IDENTIFIED AS BEING CHINESE IN ORIGIN.	DEAD	NA	NIA
2009 4	/ 4	///2009	NORTHERN FOR SEAL	ENTANGLEMENT	LINCOLN	OR	DEAD	ORIGIN.	DEAD	NA	NA
				SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2009 5 2	25 5/	/25/2009	NORTHERN FUR SEAL	RESEARCH TRAWL	UNKNOWN	CA	DEAD	TRAWL CARCASS; PLASTIC PACKING BAND CUTTING INTO NECK;	DEAD	NA	NA
				TRAWL FISHERY				OBVIOUS DAMAGE TO SKIN, BLUBBER, AND MUSCLE;			
2011 4	8 4	/8/2011	NORTHERN FUR SEAL	(UNKNOWN)	LINCOLN	OR	DEAD	ENTANGLED IN GREENISH TRAWL NET	DEAD	NA	NA
								CARCASS; GREEN MULTIFILAMENT NET (LIKELY FROM TRAWL NET) WRAPPED AROUND NECK; DUE TO			
								DECOMPOSITION AND SCAVENGING NOT ABLE TO			
				TRAWL FISHERY				DETERMINE IF NET WAS CAUSE OF DEATH OR IF IT			
2011 6 2	22 6/	/22/2011	NORTHERN FUR SEAL	(UNKNOWN)	PACIFIC	WA	DEAD	CONTRIBUTED TO DEATH	DEAD	NA	NA
				LINUDENTIFIED				MALNUTRITION, DEHYDRATION; DEEP LACERATION TO			
				UNIDENTIFIED FISHERY				VENTRAL SIDE OF NECK DUE TO NET/FISHING LINE NOT ON ANIMAL, MALNUTRITION. TAKEN TO REHAB FACILITY,			
2012 5	6 5,	/6/2012	NORTHERN FUR SEAL	INTERACTION	ORANGE	CA	SI	TREATED AND RELEASED WITH ORANGE ROTOTAG #22371.	NSI	P8A	NA
		120/2012		POWER PLANT			2542	CARCASS DISCOVERED IN STATION COOLING WATER	2542		
2012 5 2	28 5/	/28/2012	NORTHERN FUR SEAL	ENTRAINMENT	SAN LUIS OBISPO	CA	DEAD	SYSTEM	DEAD	NA	NA
				UNIDENTIFIED NET				CARCASS; GREEN NET AROUND NECK WITH ASSOCIATED			
				FISHERY/SHOOTIN				HEMORRHAGE; BULLET HOLES (POSSIBLY ENTRANCE/EXIT)			
2012 6 1	14 6/	/14/2012	NORTHERN FUR SEAL	G UNIDENTIFIED	PACIFIC	WA	DEAD	NEAR BOTH SCAPULAE, WITH ASSOCIATED HEMORRHAGE LIVE ANIMAL, ENTANGLED IN FISHING GEAR, RESCUED BY	DEAD	NA	NA
				FISHERY				TUNA FISHERMEN; TRANSFERRED TO REHAB AND RELEASED			
2012 7 2	26 7/	/26/2012	NORTHERN FUR SEAL	INTERACTION	LINCOLN	OR	SI	THE NEXT DAY	NSI	P7B	NA

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Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
2008 8	8	8/8/2008	NORTHERN RIGHT WHALE DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
		.,.,	-								
2000 0	0	0/0/2000	NORTHERN RIGHT	SCIENTIFIC	OFFCHORE	C4	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH	DEAD	N/A	N1.0
2008 8	8	8/8/2008	WHALE DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
			NORTHERN RIGHT	SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 8	8	8/8/2008	WHALE DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
			NORTHERN RIGHT	SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 8	8	8/8/2008	WHALE DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
			NORTHERN RIGHT	SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 8	8	8/8/2008	WHALE DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
			NORTHERN BLOUT	00151171510				0.			
2008 8	8	8/8/2008	NORTHERN RIGHT WHALE DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
		-, -,		CA SWORDFISH							
2000 42	8	12/0/2000	NORTHERN RIGHT	DRIFT GILLNET	OFFCHORE	C4	DEAD	ODSERVER PROGRAM	DEAD	N/A	N1.0
2008 12	8	12/8/2008	WHALE DOLPHIN	FISHERY CA SWORDFISH	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			NORTHERN RIGHT	DRIFT GILLNET							
2010 12	6	12/6/2010	WHALE DOLPHIN	FISHERY CA SWORDFISH	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			NORTHERN RIGHT	DRIFT GILLNET							
2011 10	27	10/27/2011	WHALE DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			NORTHERN RIGHT	CA SWORDFISH DRIFT GILLNET							
2012 1	8	1/8/2012	WHALE DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				RESEARCH: SEA				ANIMAL ENTANGLED IN SEA BOTTOM SURVEY EQUIPMENT;			
2000		4 /2 /2000	PACIFIC WHITE-SIDED	BOTTOM SURVEY				NON-FATAL INJURY (ANIMAL DISENTANGLED BY	NG	670	
2008 1	3	1/3/2008	DOLPHIN	EQUIPMENT CA SWORDFISH	LOS ANGELES	CA	NSI	LIFEGUARDS, SWAM AWAY IN NO APPARENT DISTRESS)	NSI	S7B	NA
			PACIFIC WHITE-SIDED	DRIFT GILLNET							
2008 1	17	1/17/2008	DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			PACIFIC WHITE-SIDED	CA SWORDFISH DRIFT GILLNET							
2008 1	17	1/17/2008	DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			PACIFIC WHITE-SIDED	SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 4	20	4/20/2008	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
		, ,									
2008 4	27	4/27/2008	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
2006 4	21	4/2//2008	DOLFHIN	RESEARCH TRAVVE	OFFSHORE	CA	DEAD	INAWL	DEAD	INA	INA
			PACIFIC WHITE-SIDED	SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 4	27	4/27/2008	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
			PACIFIC WHITE-SIDED	SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 7	18	7/18/2008	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
			PACIFIC WHITE-SIDED	SCIENTIFIC				CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH			
2008 8	8	8/8/2008	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA
				00151171516						<u> </u>	
2008 8	8	8/8/2008	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
2300 3	<u> </u>	3/0/2000			STISTIONE	CA.	DEAD		DLAD	1973	11/4
2000 -	-	0/0/	PACIFIC WHITE-SIDED	SCIENTIFIC	0.5501:5	0.	n	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH	DE:-		
2008 8	8	8/8/2008	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	TRAWL	DEAD	NA	NA

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Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
2008 8	8	8/8/2008	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
2008 8	8	8/8/2008	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
2008 8	8	8/8/2008	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
2008 8	8	8/8/2008	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
2008 8	8	8/8/2008	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
2008 8	8	8/8/2008	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
2008 8	8	8/8/2008	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
2008 8	8	8/8/2008	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	CA	DEAD	CARCASS RETRIEVED FROM NMFS SCIENTIFIC RESEARCH TRAWL	DEAD	NA	NA
2008 11	7	11/7/2008	PACIFIC WHITE-SIDED DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2008 11	7	11/7/2008	PACIFIC WHITE-SIDED DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2008 11	7	11/7/2008	PACIFIC WHITE-SIDED DOLPHIN	CA SWORDFISH DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2009 5	1	5/1/2009	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	LOS ANGELES	CA	SI	1 OF 3 ANIMALS THAT SWAM INTO COLLAPSED FRONT PORTION OF NET DURING HAULBACK; ANIMAL BECAME ENSNARED IN NET, BROUGHT ABOARD NMFS RESEARCH VESSEL, CUT OUT OF NET & RELEASED; LESS THAN 2 MINUTE TURN AROUND TIME FROM NET TO RELEASE	SI	S 4	NA
2009 5	1	5/1/2009	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	LOS ANGELES	CA	SI	1 OF 3 ANIMALS THAT SWAM INTO COLLAPSED FRONT PORTION OF NET DURING HAULBACK; ANIMAL BECAME ENSNARED IN NET, BROUGHT ABOARD NMFS RESEARCH VESSEL, CUT OUT OF NET & RELEASED; LESS THAN 2 MINUTE TURN AROUND TIME FROM NET TO RELEASE	SI	S 4	NA
			PACIFIC WHITE-SIDED	SCIENTIFIC				1 OF 3 ANIMALS THAT SWAM INTO COLLAPSED FRONT PORTION OF NET DURING HAULBACK; ANIMAL BECAME ENSNARED IN NET, BROUGHT ABOARD NMFS RESEARCH VESSEL, CUT OUT OF NET & RELEASED; LESS THAN 2			
2009 5	1	5/1/2009	DOLPHIN PACIFIC WHITE-SIDED	RESEARCH TRAWL SCIENTIFIC	LOS ANGELES	CA	SI	MINUTE TURN AROUND TIME FROM NET TO RELEASE ANIMAL CAUGHT IN RESEARCH TRAWL, CARCASS DISPOSED	SI	S4	NA
2009 5	23	5/23/2009	DOLPHIN PACIFIC WHITE-SIDED	RESEARCH TRAWL SCIENTIFIC	TILLAMOOK	OR	DEAD	AT SEA ANIMAL CAUGHT IN RESEARCH TRAWL, CARCASS DISPOSED	DEAD	NA	NA
2009 5	23	5/23/2009	DOLPHIN PACIFIC WHITE-SIDED	RESEARCH TRAWL CA SWORDFISH DRIFT GILLNET	TILLAMOOK	OR	DEAD	AT SEA	DEAD	NA	NA
2009 10	7	10/7/2009	DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
				CA SWORDFISH							_
2000 10	7	10/7/2000	PACIFIC WHITE-SIDED	DRIFT GILLNET	OFFCHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2009 10	7	10/7/2009	DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	ANIMAL CAUGHT IN RESEARCH TRAWL, TRAWL BROUGHT	DEAD	NA	NA
								ON DECK, ANIMAL RELEASED AT SEA. SERIOUS INJURY S4			
			PACIFIC WHITE-SIDED	SCIENTIFIC				BECAUSE ANIMAL WAS REMOVED FROM WATER AND			
2010 4	18	4/18/2010	DOLPHIN	RESEARCH TRAWL	MONTEREY	CA	SI	BROUGHT ON DECK.	SI	S4	NA
			PACIFIC WHITE-SIDED	SCIENTIFIC				ANIMAL CAUGHT IN RESEARCH TRAWL, CARCASS DISPOSED			
2010 4	25	4/25/2010	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	AT SEA	DEAD	NA	NA
								ANIMAL BECAME ENTANGLED IN COD END OF MID-WATER			
			PACIFIC WHITE-SIDED	SCIENTIFIC				TRAWL AFTER THE SET WHEN THE NET WAS BEING			
2010 9	10	9/10/2010	DOLPHIN	RESEARCH TRAWL	MENDOCINO	CA	DEAD	BROUGHT ABOARD THE VESSEL	DEAD	NA	NA
			PACIFIC WHITE-SIDED	SCIENTIFIC				ANIMAL CAUGHT IN RESEARCH TRAWL, CARCASS DISPOSED			
2011 4	3	4/3/2011	DOLPHIN	RESEARCH TRAWL	SANTA CRUZ	CA	DEAD	AT SEA	DEAD	NA	NA
2011	40	0/40/2044	PACIFIC WHITE-SIDED	SCIENTIFIC	055011005		2512	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A	2542		
2011 9	10	9/10/2011	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	SURFACE TRAWL	DEAD	NA	NA
			PACIFIC WHITE-SIDED	SCIENTIFIC				ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A			
2011 9	10	9/10/2011	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	SURFACE TRAWL	DEAD	NA	NA
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	NA	NA
2011 3	10	3/10/2011	DOLFTIIN	RESEARCH HAWE	OTTSHORE	CA	DEAD	JONIACE MAWE	DEAD	INA	IVA
			PACIFIC WHITE-SIDED	SCIENTIFIC				ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A			
2011 9	10	9/10/2011	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	SURFACE TRAWL	DEAD	NA	NA
			PACIFIC WHITE-SIDED	SCIENTIFIC				ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A			
2011 9	10	9/10/2011	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	SURFACE TRAWL	DEAD	NA	NA
2011	40	0/40/2044	PACIFIC WHITE-SIDED	SCIENTIFIC	055011005		2512	ONE OF SIX PACIFIC WHITE SIDED DOLPHINS CAUGHT IN A	2542		
2011 9	10	9/10/2011	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	SURFACE TRAWL	DEAD	NA	NA
								NET WAS BEING HAULED ABOARD WHEN AN ANIMAL WAS			
								OBSERVED WITH ITS TAIL FLUKE CAUGHT BETWEEN BARS			
								OF MARINE MAMMAL EXCLUDER DEVICE. ANIMAL WAS			
								TURNED TO RELEASE TAIL FLUKE AND RELEASED DOWN TRAWL RAMP. ANIMAL WAS BREATHING AND APPEARED			
								TO BE UNHARMED. ANIMAL WAS OBSERVED TO BE			
								SWIMMING IN WATER AFTER RELEASE. S4 SERIOUS INJURY			
			PACIFIC WHITE-SIDED	SCIENTIFIC				BECAUSE ANIMAL WAS REMOVED FROM WATER, BROUGHT			
2012 6	29	6/29/2012	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	SI	ON DECK (TRAWL RAMP).	SI	S4	NA
			PACIFIC WHITE-SIDED	SCIENTIFIC							
2012 6	28	6/28/2012	DOLPHIN	RESEARCH TRAWL	OFFSHORE	OR	DEAD	ONE OF THREE ANIMALS CAUGHT IN A SURFACE TRAWL	DEAD	NA	NA
2012 6	29	6/29/2012	PACIFIC WHITE-SIDED DOLPHIN	SCIENTIFIC RESEARCH TRAWL	OFFSHORE	OR	DEAD	ONE OF THREE ANIMALS CAUGHT IN A SURFACE TRAWL	DEAD	NA	NA
2012 6	29	0/29/2012	DOLPHIN	RESEARCH TRAVVL	OFFSHUKE	UK	DEAD	ONE OF THREE ANIMALS CAUGHT IN A SURFACE TRAWL	DEAD	NA NA	NA
			PACIFIC WHITE-SIDED	SCIENTIFIC							
2012 6	30	6/30/2012	DOLPHIN	RESEARCH TRAWL	OFFSHORE	OR	DEAD	ONE OF THREE ANIMALS CAUGHT IN A SURFACE TRAWL	DEAD	NA	NA
			PACIFIC WHITE-SIDED	SCIENTIFIC				ONE OF TWO PACIFIC WHITE SIDED DOLPHINS CAUGHT IN			
2012 8	24	8/24/2012	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	A MIDWATER TRAWL	DEAD	NA	NA
		-, ,									
		- /	PACIFIC WHITE-SIDED	SCIENTIFIC				ONE OF TWO PACIFIC WHITE SIDED DOLPHINS CAUGHT IN		_	
2012 8	24	8/24/2012	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	A MIDWATER TRAWL	DEAD	NA	NA
			PACIFIC WHITE-SIDED	SCIENTIFIC				ANIMAL CAUGHT IN RESEARCH TRAWL, CARCASS DISPOSED			
2012 8	18	8/18/2012	DOLPHIN	RESEARCH TRAWL	OFFSHORE	CA	DEAD	AT SEA	DEAD	NA	NA
			·	· · · · · · · · · · · · · · · · · · ·	·	· · · · · · · · · · · · · · · · · · ·	·	· · · · · · · · · · · · · · · · · · ·	·	·	

Appendix 4. Records of human-related injury and mortality, 2008-2012. New records (*) are included, based on updated stranding data. ** = Records omitted from previous serious injury report but included in stock assessments.

							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	h Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
				CA SWORDFISH DRIFT GILLNET							
2008 10	18	10/18/2008	RISSO'S DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2000 10		10/10/2000	111555 5 5 5 5 2 1 1 1 1 1	UNIDENTIFIED	OTT STITUTE.	- C/ C	52.15	ODDERVENT NOORWAN	52,15		
				FISHERY							
2010 1	22	1/22/2010	RISSO'S DOLPHIN	INTERACTION	LOS ANGELES	CA	DEAD	MULTIPLE PARALLEL LACERATIONS	DEAD	NA	NA
				CA SWORDFISH							
2011	20	0/20/2011	DISCOLO DOLDINA	DRIFT GILLNET	055511005		2512	000500/50 0000000	2512		
2011 9	29	9/29/2011	RISSO'S DOLPHIN	FISHERY CA SWORDFISH	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			SHORT-BEAKED	DRIFT GILLNET							
2008 10	17	10/17/2008	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
			SHORT-BEAKED	DRIFT GILLNET							
2008 10	25	10/25/2008	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			SHORT-BEAKED	CA SWORDFISH DRIFT GILLNET							
2008 10	26	10/26/2008	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2008 10	20	10/20/2008	CONTINION DOLFTIIN	CA SWORDFISH	OTTSHOKE	CA	DLAD	OBSERVER FROGRAM	DEAD	INA	INA
			SHORT-BEAKED	DRIFT GILLNET							
2008 10	26	10/26/2008	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
			SHORT-BEAKED	DRIFT GILLNET							
2008 10	26	10/26/2008	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			SHORT-BEAKED	CA SWORDFISH DRIFT GILLNET							
2008 11	12	11/12/2008	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2000 11		11/12/2000	COMMON DOLL TIME	CA SWORDFISH	OTTSHORE	CA	DEAD	OBSERVERTROGRAM	DEAD	14/1	NA.
			SHORT-BEAKED	DRIFT GILLNET							
2008 11	23	11/23/2008	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
			SHORT-BEAKED	DRIFT GILLNET							
2008 12	20	12/20/2008	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			SHORT-BEAKED	CA SWORDFISH DRIFT GILLNET							
2009 12	4	12/4/2009	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2003 12		12, 1, 2003	COMMISSION DOLL TIME	T IOTTE CO	OTTOTIONE	C, t	52.15	OBSERVENT NOON WIN	527.5		
								DEAD STRANDING; HALF OF RIGHT PECTORAL FIN CUT OFF;			
								DORSAL FIN MISSING; PENETRATING WOUND ON LEFT SIDE			
			SHORT-BEAKED					OF BODY BELOW DORSAL FIN; PREY IN STOMACH; CARCASS			
2009 12	17	12/17/2009	COMMON DOLPHIN	GILLNET FISHERY	SAN DIEGO	CA	DEAD	EXAMINED BY SWFSC PERSONNEL	DEAD	NA	NA
			SHORT-BEAKED	CA SWORDFISH DRIFT GILLNET							
2010 9	18	9/18/2010	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
		-,, 2010	,	CA SWORDFISH							
			SHORT-BEAKED	DRIFT GILLNET							
2010 9	18	9/18/2010	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
2010 12	_	12/5/2010	SHORT-BEAKED	DRIFT GILLNET FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2010 12	5	12/5/2010	COMMON DOLPHIN	CA SWORDFISH	OFFSHURE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
			SHORT-BEAKED	DRIFT GILLNET							
2011 10	14	10/14/2011	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							_
			SHORT-BEAKED	DRIFT GILLNET							
2011 12	4	12/4/2011	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
2012 1	17	1/17/2012	SHORT-BEAKED	DRIFT GILLNET FISHERY	OFFCHORE	C ^	DEAD	ODSERVER DROCKAM	DEAD	NA	NA
2012 1	17	1/17/2012	COMMON DOLPHIN	CA SWORDFISH	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	INA
			SHORT-BEAKED	DRIFT GILLNET							
2012 1	17	1/17/2012	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
-											

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							Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
			SHORT-BEAKED	CA SWORDFISH DRIFT GILLNET							
2012 11	5	11/5/2012	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2012 11		11/3/2012	COMMON DOLL TIME	CA SWORDFISH	OTTSTIONE	CA	DEAD	OBSERVERY ROGIVAN	DEAD	IVA	IVA
			SHORT-BEAKED	DRIFT GILLNET							
2012 11	6	11/6/2012	COMMON DOLPHIN	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
				CA SWORDFISH							
2012 11	_	44/5/2042	SHORT-BEAKED	DRIFT GILLNET	055511005		2512	000500450 000000444	8548		
2012 11	6	11/6/2012	COMMON DOLPHIN	FISHERY MARINE DEBRIS	OFFSHORE	CA	DEAD	OBSERVER PROGRAM CARCASS; STOMACH CRAMMED WITH NETS OF DIFFERING	DEAD	NA	NA
2008 2	1	2/1/2008	SPERM WHALE	INGESTION	DEL NORTE	CA	DEAD	TYPE	DEAD	NA	NA
2008 3	14	3/14/2008	SPERM WHALE	GILLNET FISHERY	PACIFIC	WA	DEAD	APPEARED TO HAVE ENTANGLEMENT SCARS	DEAD	NA NA	NA
		-,,						CARCASS; STOMACH CRAMMED WITH NETS OF DIFFERING			
				MARINE DEBRIS				TYPE & SEVERAL PLASTIC TARPS; ROPE MARKS ON			
2008 3	15	3/15/2008	SPERM WHALE	INGESTION	MARIN	CA	DEAD	PECTORAL FLIPPER	DEAD	NA	NA
								AND AS THE MULLIS SATEMAN SO IN A SWARP SIGN PRINT			
								ONE OF TWO WHALES ENTANGLED IN A SWORDFISH DRIFT GILLNET. ONE WHALE WAS DEAD. FISHERY OBSERVER			
								INDICATED THAT THE SECOND WHALE WAS RELEASED WITH			
				CA SWORDFISH				NETTING AND PHOTOS WERE TAKEN. PHOTOS OF THE			
				DRIFT GILLNET				INJURED WHALE SHOW AN ANIMAL ON ITS SIDE, NOT IN A			
2010 12	5	12/5/2010	SPERM WHALE	FISHERY	OFFSHORE	CA	SI	NORMAL BREATHING OR SWIMMING POSTURE.	SI	L2	1
				CA SWORDFISH							
				DRIFT GILLNET							
2010 12	5	12/5/2010	SPERM WHALE	FISHERY	OFFSHORE	CA	DEAD	OBSERVER PROGRAM	DEAD	NA	NA
2012	24	4 /24 /2042	60501414415	VECCEI CERVE	240510		2512	SKULL SEVERELY FRACTURED; BACK APPEARED TO BE	8548		
2012 1	21	1/21/2012	SPERM WHALE	VESSEL STRIKE UNIDENTIFIED	PACIFIC	WA	DEAD	BROKEN; HEMORRHAGE AT HEAD AND RIGHT SCAPULA.	DEAD	NA	NA
				FISHERY				CARCASS CUT OPEN ALONG DORSUM, SMALL CUTS AT			
2011 3	12	3/12/2011	STRIPED DOLPHIN	INTERACTION	LINCOLN	OR	DEAD	AXILLA AND PECTORAL FLIPPER	DEAD	NA	NA
		-,,	***************************************	UNIDENTIFIED NET							
			UNIDENTIFIED COMMON	FISHERY				CARCASS; HEAD, FLUKES, RIGHT PECTORAL FIN & DORSAL			
2008 3	2	3/2/2008	DOLPHIN	ENTANGLEMENT	SAN DIEGO	CA	DEAD	FIN SEVERED; ABDOMEN SLICED OPEN	DEAD	NA	NA
			UNIDENTIFIED COMMON					CARCASS; ABDOMEN CUT OPEN; FLUKES MISSING; NET-LIKE			
2008 4	7	4/7/2008	DOLPHIN	GILLNET FISHERY	ORANGE	CA	DEAD	MARKS ANTERIOR & POSTERIOR TO EYE	DEAD	NA	NA
								DEAD STRANDING; PROPELLER-LIKE 28 CENTIMETER LONG "S" SHAPED WOUND ALONG RIGHT DORSUM EXTENDING			
			UNIDENTIFIED COMMON					INTO BODY CAVITY, SEVERING SPINE & 11 RIBS; CARCASS			
2009 7	29	7/29/2009	DOLPHIN	VESSEL STRIKE	SAN DIEGO	CA	DEAD	EXAMINED BY SWFSC PERSONNEL	DEAD	NA	NA
		.,,		UNIDENTIFIED NET				DEAD STRANDING; GAFF-LIKE 3 CENTIMETER LONG			
			UNIDENTIFIED COMMON	FISHERY				INCISION IN THROAT REGION; STOMACH FULL OF FISH;			
2009 10	25	10/25/2009	DOLPHIN	ENTANGLEMENT	SAN DIEGO	CA	DEAD	CARCASS EXAMINED BY SWFSC PERSONNEL	DEAD	NA	NA
2008 5	19	5/19/2008	UNIDENTIFIED PINNIPED	MARINE DEBRIS	LOS ANGELES	CA	DEAD	CARCASS; ROPE AROUND NECK	DEAD	NA	NA
2008 5	24	5/24/2008	UNIDENTIFIED PINNIPED	VESSEL STRIKE	ODANGE	CA	DEAD	CARCASS; PROPELLER-LIKE WOUNDS TO BODY	DEAD	NA	NA
2008 5	24	5/24/2008	UNIDENTIFIED PINNIPED	MARINE DEBRIS	ORANGE	CA	DEAD	LIVE ANIMAL WITH MARINE DEBRIS (LIKELY PLASTIC	DEAD	NA	NA
2008 8	20	8/20/2008*	UNIDENTIFIED PINNIPED		coos	OR	SI	PACKING BAND) AROUND NECK	SI	P8A	NA
		s, ==, 2 000					<u>. </u>	REPORT OF LIVE SEA LION SHOT IN THE HEAD WITH A .410		. 571	
2009 8	1	8/1/2009*	UNIDENTIFIED PINNIPED	SHOOTING	NA	NA	SI	SLUG WHILE HAULED OUT ON A BUOY	SI	P9	NA
_				GILLNET FISHERY,			-				
2009 9	18	9/18/2009*	UNIDENTIFIED PINNIPED	TRIBAL	NA	NA	DEAD	CARCASS; CAUGHT IN TRIBAL NET	DEAD	NA	NA
2040 -		4 /4 6 /=		MARINE DEBRIS					e.		
2010 1	16	1/16/2010*	UNIDENTIFIED PINNIPED	ENTANGLEMENT	NA	NA	SI	LIVE ANIMAL ENTANGLED IN LIGHT COLORED ROPE	SI	P6	NA
2010 6	11	6/11/2010	LINIDENTIELED DIMMIDED	POWER PLANT	LOS ANCELES	C^	DEAD	ANIMAL ENTRAINED IN CIRCULATING WATER SCREEN BAY	DEAD	B1 A	NI A
2010 6	11	6/11/2010	UNIDENTIFIED PINNIPED	ENTRAINMENT UNIDENTIFIED NET	LOS ANGELES	CA	DEAD	(ENTERED THROUGH INTAKE TUNNEL) REPORT OF LIVE ANIMAL WITH NET AROUND ITS HEAD AND	DEAD	NA	NA
2010 7	16	7/16/2010*	UNIDENTIFIED PINNIPED	FISHERY	NA	NA	SI	NECK	SI	P8A	NA
		., 10, 2010	2.4.0 E.T.II. ED T INNIN ED	BLUNT FORCE			J.		31	. 0/1	.•0
				TRAUMA:				SEA LION BLUDGEONED AT SEA BY RECREATIONAL			
2010 8	5	8/5/2010*	UNIDENTIFIED PINNIPED	CLUBBING	NA	NA	SI	FISHERMEN	SI	P9	NA

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Vear	Month	Day	Date	Species	Interaction Type	County.Locale	STATE	Initial Injury Assessment	Comments	Final Injury Assessment	SI Criteria Supporting Assessment	SI Proration Value
Teal	VIOIILII	Day	Date	Species	UNIDENTIFIED NET	County.Locale	SIMIE	Assessment	LIVE SEAL ENTANGLED IN NET; RELEASED BY PUBLIC BEFORE	Assessment	Assessment	value
2010	9	2	9/2/2010*	UNIDENTIFIED PINNIPED		NA	NA	SI	RESPONDERS ARRIVED	SI	P7B	NA
2012	6	3	6/3/2012	UNIDENTIFIED PINNIPED	UNIDENTIFIED NET	TILLAMOOK	OR	SI	LIVE ANIMAL (POSSIBLY FUR SEAL) WITH BLUE/GREEN FISHING NET WRAPPED AROUND ITS MID-SECTION	SI	P6	NA
2012	6	5	6/5/2012	UNIDENTIFIED PINNIPED	MARINE DEBRIS	LANE	OR	SI	YOUNG, LIVE ANIMAL (POSSIBLY SEA LION) WITH A ROPE AND WHITE SIGN WRAPPED TIGHTLY AROUND ITS NECK	SI	P8A	NA
2012			0/5/2012	0111021111112011111111120	ETTT TO ELITE ETT	21112	0.1	<u> </u>	LIVE ANIMAL, SWIMMING JUST OFFSHORE, ENTANGLED IN	<u> </u>	10/1	
2012	8	24	8/24/2012	UNIDENTIFIED PINNIPED	CRAB POT FISHERY	LINCOLN	OR	SI	CRAB GEAR (BUOY AND LINE VISIBLE)	SI	P6	NA
2009	7	15	7/15/2009*	UNIDENTIFIED PORPOISE	CRAB POT FISHERY ENTANGLEMENT	NA	NA	DEAD	SKULL (POSSIBLY HARBOR PORPOISE) FOUND IN DERELICT CRAB GEAR	DEAD	NA	NA
			4. 4						TUGBOAT COLLIDED WITH FREE-SWIMMING WHALE; FINAL			
2008	1	2	1/2/2008	UNIDENTIFIED WHALE	VESSEL STRIKE	SAN FRANCISCO	CA	SI	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
					UNIDENTIFIED POT/TRAP FISHERY				LIVE ANIMAL TOWING TEN FEET OF POT/TRAP GEAR; NO RESIGHTINGS REPORTED; NO RESCUE EFFORT INITIATED;			
2008	8	26	8/26/2008	UNIDENTIFIED WHALE	ENTANGLEMENT	SAN MATEO	CA	SI (PRORATE)	FINAL STATUS UNKNOWN	SI (PRORATE)	L10	0.75
					DUNGENESS CRAB POT FISHERY				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			
2008	9	1	9/1/2008	UNIDENTIFIED WHALE	ENTANGLEMENT	VENTURA	CA	SI (PRORATE)	FREED ITSELF FROM ALL GEAR.	SI (PRORATE)	L10	0.75
									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;	-		
2008	12	7	12/7/2008	UNIDENTIFIED WHALE	VESSEL STRIKE	LOS ANGELES	CA	SI	FINAL STATUS UNKNOWN	SI	L6A	11
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	CL/DDODATE)	L10	0.75
2009	3	19	3/13/2003	UNIDENTIFIED WHALE	INTERACTION	MENDOCINO	CA	31 (FRORATE)	FREE-SWIMMING ANIMAL TOWING UNIDENTIFIED NET	SI (PRORATE)	LIU	0.73
2009	7	12	7/12/2009	UNIDENTIFIED WHALE	UNIDENTIFIED NET FISHERY ENTANGLEMENT	LOS ANGELES	CA	SI	GEAR & BUOYS; REPORT RECEIVED VIA USCG, ANIMAL DESCRIBED AS BLUE WHALE; NO RESCUE EFFORT INITIATED; FINAL STATUS UNKNOWN	SI	L10	0.75
					UNIDENTIFIED FISHERY				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;			
2010	3	24	3/24/2010	UNIDENTIFIED WHALE	INTERACTION	SONOMA	CA	SI	FINAL STATUS UNKNOWN	SI	L10	0.75
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	э	29	3/43/4010	ONIDENTIFIED WHALE	UNIDENTIFIED	LUS MINGELES	CA	31	STANDOARD I-FOIL, FINAL STATUS UNKNOWN	JI	LOA	1
2010	4	8	4/8/2010	UNIDENTIFIED WHALE	FISHERY INTERACTION	MARIN	CA	SI (PRORATE)	ROPE WRAPPED AROUND CAUDAL PEDUNCLE; UNIDENTIFIED FISHERY	SI (PRORATE)	L10	0.75

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								Initial Injury		Final Injury	SI Criteria Supporting	SI Proration
Year M	lonth	Day	Date	Species	Interaction Type	County.Locale	STATE	Assessment	Comments	Assessment	Assessment	Value
					UNIDENTIFIED				ANIMAL ENTANGLED IN ROPE. ANIMAL THRASHING AT			
					FISHERY				SURFACE; NO RESCUE EFFORT INITIATED; NO RESIGHTINGS			
2010	5	2	5/2/2010	UNIDENTIFIED WHALE	INTERACTION	SANTA BARBARA	CA	SI	REPORTED; FINAL STATUS UNKNOWN	SI	L10	0.75
									ANIMAL TOWING NET-LIKE MATERIAL; SIGHTING REPORTED			
					UNIDENTIFIED				BY OIL PLATFORM WORKERS, FREE-SWIMMING; NO RESCUE			
					FISHERY				EFFORT INITIATED; NO RESIGHTINGS REPORTED; FINAL			
2010	7	7	7/7/2010	UNIDENTIFIED WHALE	INTERACTION	SANTA BARBARA	CA	SI	STATUS UNKNOWN	SI	L10	0.75
					LINIDENTIFIED				TOWING ORANGE BLIOV, WILLALE SIGNITED FROM SHORE			
					UNIDENTIFIED				TOWING ORANGE BUOY. WHALE SIGHTED FROM SHORE			
2010	10	12	10/12/2010	LINUDENITIES MALLALE	FISHERY	CAN EDANICICO	C4	61	USING BINOCULARS. APPEARED TO BE FREE-SWIMMING	C1	140	0.75
2010	10	13	10/13/2010	UNIDENTIFIED WHALE	UNIDENTIFIED	SAN FRANCISCO	CA	SI	AND DIVING; NO RESIGHTS; FINAL STATUS UNKNOWN	SI	L10	0.75
					FISHERY							
2011	7	16	7/16/2011	UNIDENTIFIED WHALE	INTERACTION	MONTEREY	CA	SI	FREE-SWIMMING ENTANGLED WHALE IN UNKNOWN GEAR	SI	L10	0.75
2011	<u> </u>	10	7/10/2011	ONIDENTIFIED WHALE	INTERACTION	MONTENET	CA	31	TREE-SWIMMING ENTANGLED WHALE IN ONKNOWN GEAR	31	LIU	0.73
					UNIDENTIFIED				WHALE TRAILING A RED AND WHITE BOUY OFF THE RIGHT			
					POT/TRAP FISHERY				SIDE. DID NOT SEE ANY LINES WRAPPED AROUND THE			
2011	8	20	8/20/2011	UNIDENTIFIED WHALE	ENTANGLEMENT	SNOHOMISH	WA	SI (PRORATE)	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. CAPTAIN REPORT OF VESSEL STRIKE; CAPTAIN SAW SPOUTS AND TOOK VESSEL OFF AUTOPILOT TO ATTEMPT TO DIVERT AROUND THE WHALES; FELT A "NUDGE"; PASSENGER REPORTED SEEING THE WHALE POP UP AND RUN INTO THE SIDE OF THE VESSEL; 2ND OPERATOR SAW WHALE IN THE	SI	L10	0.75
2012	8	16	8/16/2012	UNIDENTIFIED WHALE	VESSEL STRIKE	LOS ANGELES	CA	SI	WAKE OF THE VESSEL BUT DID NOT OBSERVE ANY BLOOD IN THE WATER; DIVER EXAMINATION OF THE VESSEL HULL SHOWED NO SIGNS OF IMPACT OR DAMAGE. THIS WAS THE FERRY ROUTE BETWEEN CATALINA AND LONG BEACH, TYPICALLY VESSELS ARE >65FT AND TRAVEL IN EXCESS OF 10 KTS.	SI	L6A	NA

RECENT TECHNICAL MEMORANDUMS

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- NOAA-TM-NMFS-SWFSC-523 Status review of the Northeastern Pacific population of white sharks (CARCHARODON CARCHARIAS) under the endangered species act.

 DEWAR, H., T. EGUCHI, J. HYDE, D. KINZEY, S. KOHIN, J. MOORE, B. L. TAYLOR, and R. VETTER
 (December 2013)
 - 524 AMLR 2010-2011 field season report. WALSH, J. G., ed. (February 2014)
 - 525 The Sacramento harvest model (SHM). MOHR, M. S., and M. R. O'FARRELL (February 2014)
 - Marine mammal, sea turtle and seabird bycatch in California gillnet fisheries in 2012.
 CARRETTA, J. V., L. ENRIQUEZ, and C. VILLAFANA (February 2014)
 - 527 White abalone at San Clemente Island: population estimates and management recommendations.
 STIERHOFF, K. L., M. NEUMANN, S. A. MAU and D. W. MURFIN (May 2014)
 - 528 Recommendations for pooling annual bycatch estimates when events are rare. CARRETTA, J. V. and J. E. MOORE (May 2014)
 - Documentation of a relational database for the California recreational fisheries survey onboard observer sampling program, 1999-2011.
 MONK, M., E. J. DICK and D. PEARSON (July, 2014)
 - 530 Life cycle modeling framework for Sacramento River winter-run chinook salmon. HENDRIX, N., A. CRISS, E. DANNER, C.M. GREENE, H. IMAKI, A. PIKE, and S.T. LINDLEY (July, 2014)
 - 531 Assessment of the Pacific sardine resource in 2014 for U.S.A. management in 2014-15.
 HILL, K.T., P. CRONE, D. DEMER, J. ZWOLINSKI, E. DORVAL, and B. MACEWICZ

(August, 2014)

U.S. Pacific marine mammal stock assessments, 2013.
CARRETTA, J., E. OLESON, D.W. WELLER, A.R. LANG, K. FORNEY, J. BAKER, B. HANSON, K. MARTIEN, M. MUTO, A. ORR, H. HUBER, M. LOWRY, J. BARLOW, D. LYNCH, L. CARSWELL, R. BROWNELL, JR., and D. MATTILA
(August, 2014)