

Appendix 3. Draft 2008 Pacific Marine Mammal Stock Assessment Reports summary.

Species	Stock Area	NMFS Center	N est	CV N est	N min	R max	Fr	PBR	Total Annual Mortality + Serious Injury	Annual Fishery Mortality + Serious Injury	Strategic Status	Recent Abundance Surveys			Last Revised
California sea lion	U.S.	SWC	238,000	n/a	141,842	0.12	1	8,511	≥232	≥159	N	2003	2004	2005	2007
Harbor seal	California	SWC	34,233	n/a	31,600	0.12	1	1,896	≥389	389	N	1995	2002	2004	2005
Harbor seal	Oregon/Washington Coast	AKC	24,732	0.12	22,380	0.12	1	1,343	≥15.2	≥13	N	1999			2007
Harbor seal	Washington Inland Waters	AKC	14,612	0.15	12,844	0.12	1	771	≥34	≥30	N	1999			2003
Northern Elephant Seal	California breeding	SWC	124,000	n/a	74,913	0.117	1	4,382	≥10.4	≥8.8	N	2001	2002	2005	2007
Guadalupe Fur Seal	Mexico to California	SWC	7,408	n/a	3,028	0.12	0.5	91	0	0	Y	1993			2000
Northern Fur Seal	San Miguel Island	AKC	9,424	n/a	5,096	0.086	1	219	≥1.0	≥1.0	N	2003	2004	2005	2006
Monk Seal	Hawaii	PIC	1,247	n/a	1,244	0.07	0.1	undet	unk	unk	Y	2004	2005	2006	2007
			1,208		1,183										2008
Harbor porpoise	Morro Bay	SWC	1,656	0.39	1,206	0.04	0.4	10	4.5	4.5	N	1997	1999	2002	2004
Harbor porpoise	Monterey Bay	SWC	1,613	0.42	1,149	0.04	0.45	10	9.5	9.5	N	1997	1999	2002	2004
Harbor porpoise	San Francisco – Russian River	SWC	8,521	0.38	6,254	0.04	0.5	63	≥0.8	≥0.8	N	1997	1999	2002	2004
Harbor porpoise	Northern CA/Southern OR	SWC	17,763	0.39	12,940	0.04	1	259	≥0	≥0	N	1997	1999	2002	2003
Harbor porpoise	Oregon/Washington Coast	AKC	37,745	0.38	27,705	0.04	0.5	277	0.6	0.6	N	1991	1997	2002	2006
Harbor porpoise	Washington Inland Waters	AKC	10,682	0.38	7,841	0.04	0.4	63	15.2	15.4	N	1996	2002	2003	2006
Dall's porpoise	California/Oregon/Washington	SWC	57,549	0.34	43,425	0.04	0.4	347	1.8	1.4	N	1996	2001	2005	2007
			48,376	0.24	39,709			318	1.6						2008
Pacific white-sided dolphin	California/Oregon/Washington	SWC	25,233	0.25	20,441	0.04	0.45	184	5.6	5.6	N	1996	2001	2005	2007
			20,719	0.22	17,201			155	1.4	1.4					2008
Risso's dolphin	California/Oregon/Washington	SWC	12,093	0.24	9,947	0.04	0.4	80	6.6	6.6	N	1996	2001	2005	2007
			11,621	0.17	10,054				4.9	4.9					2008
Bottlenose dolphin	California Coastal	SWC	323	0.13	290	0.04	0.5	2.4	0.2	0.2	N	2000	2004	2005	2006
															2008
Bottlenose dolphin	California/Oregon/Washington Offshore	SWC	3,257	0.43	2,295	0.04	0.5	23	0.2	0.2	N	1996	2001	2005	2007
			3,495	0.31	2,706			27							2008
Striped dolphin	California/Oregon/Washington	SWC	23,883	0.44	16,737	0.04	0.5	167	0	0	N	1996	2001	2005	2007
			17,925	0.37	13,251			132							2008
Common dolphin, short-beaked	California/Oregon/Washington	SWC	487,622	0.26	392,687	0.04	0.5	3,927	59	59	N	1996	2001	2005	2007
			392,733	0.18	338,708			3,387	77	77					2008
Common dolphin, long-beaked	California/Oregon/Washington	SWC	1,893	0.65	1,152	0.04	0.48	41	12.5	12.5	Y	1996	2001	2005	2007
			15,335	0.56	9,880			95			N				2008
Northern right whale dolphin	California/Oregon/Washington	SWC	15,305	0.32	11,754	0.04	0.48	113	18	18	N	1996	2001	2005	2007
			12,876	0.30	10,031		0.4	80	3.8	3.8					2008
Killer whale	Eastern North Pacific Offshore	SWC	422	0.29	334	0.04	0.5	3.3	0	0	N	1996	2001	2005	2007
			353		278			2.8							2008
Killer whale	Eastern North Pacific Southern Resident	AKC	89	und	89	0.04	0.1	0.18	0.2	0	Y	2004	2005	2006	2007
			86		86			0.17							2008
Short-finned pilot whale	California/Oregon/Washington	SWC	245	0.97	123	0.04	0.4	0.98	1	1	Y	1996	2001	2005	2007
															2008
Baird's beaked whale	California/Oregon/Washington	SWC	313	0.55	203	0.04	0.5	2.0	0.2	0	N	1996	2001	2005	2007
			540	0.54	353			3.5							2008

unk = unknown; undet = undetermined; n/a = not applicable

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Mesoplodont beaked whales	California/Oregon/Washington	SWC	1,024	0.77	576	0.04	0.5	5.7	0	0	N	1996	2001	2005	2007 2008
Cuvier's beaked whale	California/Oregon/Washington	SWC	2,474 2,830	0.75 0.73	1,234 1,629	0.04	0.4	40 13	≥0.2 0	0	N	1996	2001	2005	2007 2008
Pygmy Sperm whale	California/Oregon/Washington	SWC	unk	unk	unk	0.04	0.5	undet	0.2 ≥0.2	0 ≥0.2	N	1996	2001	2005	2007 2008
Dwarf sperm whale	California/Oregon/Washington	SWC	unk	unk	unk	0.04	0.5	undet	0	0	N	1996	2001	2005	2007 2008
Sperm whale	California/Oregon/Washington	SWC	2,265 2,853	0.34 0.25	1,719 2,326	0.04	0.4	3.4 9.3	0.2	0.2	Y	1996	2001	2005	2007 2008
Humpback whale	California/Oregon/Washington	SWC	4,396 1,391	0.45 0.13	4,236 1,250	0.08	0.1	2.5	≥2.2 ≥2.6	≥1.8 ≥2.6	Y	1996	2001	2005	2007 2008
Blue whale	Eastern North Pacific	SWC	4,486 1,368	0.49 0.22	4,005 1,136	0.04	0.1	1.0	0.6	0	Y	1996	2001	2005	2007 2008
Fin whale	California/Oregon/Washington	SWC	3,454 2,636	0.27 0.15	2,760 2,316	0.04	0.3	46 14	1.4	0	Y	1996	2001	2005	2007 2008
Bryde's whale	California/Oregon/Washington	SWC	unk	unk	unk	0.04	0.5	undet	0	0	N	1996	2001	2005	2007
Sei whale	Eastern North Pacific	SWC	43 46	0.64 0.61	27 28	0.04	0.1	0.05	0	0	Y	1996	2001	2005	2007 2008
Minke whale	California/Oregon/Washington	SWC	898 806	0.65 0.63	544 495	0.04	0.5	5.4 5.0	0	0	N	1996	2001	2005	2007 2008
Rough-toothed dolphin	Hawaii	SWC	19,904	0.52	13,184	0.04	0.5	132	unk	unk	N		2002	2004	2004
Risso's dolphin	Hawaii	SWC	2,351	0.65	1,426	0.04	0.5	14	unk	unk	N		2002	2004	2004
Bottlenose dolphin	Hawaii	SWC	3,263	0.60	2,046	0.04	0.5	20	≥0.2	≥0.2	N		2002	2004	2006
Pantropical spotted dolphin	Hawaii	SWC	10,260	0.41	7,362	0.04	0.5	74	≥0.8	≥0.8	N		2002	2004	2004
Spinner dolphin	Hawaii	SWC	2,805	0.66	1,691	0.04	0.5	17	0	0	N		2002	2004	2004
Striped dolphin	Hawaii	SWC	10,385	0.48	7,078	0.04	0.5	71	unk	unk	N		2002	2004	2004
Fraser's dolphin	Hawaii	SWC	16,836	1.11	7,917	0.04	0.5	79	unk	unk	N		2002	2004	2004
Melon-headed whale	Hawaii	SWC	2,947	1.11	1,386	0.04	0.5	14	unk	unk	N		2002	2004	2004
Pygmy killer whale	Hawaii	SWC	817	1.12	382	0.04	0.5	3.8	unk	unk	N		2002	2004	2004
False killer whale	Hawaii Pelagic	SWC	484	0.93	249	0.04	0.48	2.4	4.9	4.9	Y		2002	2004	2007
False killer whale	Palmyra Atoll	SWC	1,329	0.65	806	0.04	0.48	7.7	4.9	4.9	N			2005	2007
False killer whale	Hawaii Insular	SWC	123	0.72	76	0.04	0.5	0.8	0	0	N	2000	2002	2004	2008
Killer whale	Hawaii	SWC	430	0.72	250	0.04	0.5	2.5	unk	unk	N		2002	2004	2004
Pilot whale, short-finned	Hawaii	SWC	8,846	0.49	5,986	0.04	0.5	60	0.8	0.8	N		2002	2004	2006
Blainville's beaked whale	Hawaii	SWC	2,138	0.77	1,204	0.04	0.4	9.6	0.8	0.8	N		2002	2004	2004
Longman's Beaked Whale	Hawaii	SWC	766	1.05	371	0.04	0.5	3.7	unk	unk	N		2002	2004	2004
Cuvier's beaked whale	Hawaii	SWC	12,728	0.83	6,919	0.04	0.5	69	unk	unk	N		2002	2004	2004
Pygmy sperm whale	Hawaii	SWC	7,251	0.77	4,082	0.04	0.5	41	unk	unk	N		2002	2004	2004
Dwarf sperm whale	Hawaii	SWC	19,172	0.66	11,555	0.04	0.5	116	unk	unk	N		2002	2004	2004
Sperm whale	Hawaii	SWC	7,082	0.30	5,531	0.04	0.1	11	0	0	Y		2002	2004	2004
Blue whale	Hawaii	SWC	unk	unk	unk	0.04	0.1	undet	unk	unk	Y		2002	2004	2004
Fin whale	Hawaii	SWC	174	0.72	101	0.04	0.1	0.2	unk	unk	Y		2002	2004	2004
Bryde's whale	Hawaii	SWC	493	0.34	373	0.04	0.5	3.7	unk	unk	N		2002	2004	2004
Sei whale	Hawaii	SWC	77	1.06	37	0.04	0.1	0.1	unk	unk	Y		2002	2004	2004
Minke whale	Hawaii	SWC	unk	unk	unk	0.04	0.5	undet	unk	unk	N		2002	2004	2004

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