

TABLE 1. A SUMMARY (including footnotes) OF ATLANTIC MARINE MAMMAL STOCK ASSESSMENT REPORTS FOR STOCKS OF MARINE MAMMALS UNDER NMFS AUTHORITY THAT OCCUPY WATERS UNDER USA JURISDICTION.

Total Annual S.I. (serious injury) and Mortality and Annual Fisheries S.I and Mortality are mean annual figures for the period 2004-2008. The “SAR revised” column indicates 2010 stock assessment reports that have been revised relative to the 2009 reports (Y=yes, N=no). If abundance, mortality, PBR or status have been revised, they are indicated with the letters “a”, “m”, “p” and “status” respectively. For those species not updated in this edition, the year of last revision is indicated. Unk = unknown and undet=undetermined (PBR for species with outdated abundance estimates is considered "undetermined").

Species	Stock Area	NMFS Ctr.	Nbest	Nbest CV	Nmin	Rmax	Fr	PBR	Total Annual S.I and Mort.	Annual Fish. S.I. and Mort. (cv)	Strategic Status	SAR Revised
North Atlantic right whale	Western North Atlantic	NEC	361	0	361	0.02 ^a	0.1	0.7	2.8 ^a	0.8 ^a	Y	Y a, m, p
Humpback whale	Gulf of Maine	NEC	847	0.55	549	0.04	0.1	1.1	4.6 ^b	3.0 ^b	Y	Y m
Fin whale	Western North Atlantic	NEC	3,985	0.24	3,269	0.04	0.1	6.5	3.2 ^c	1.2 ^c	Y	Y a, m, p
Sei whale	Nova Scotia	NEC	386	0.85	208	0.04	0.1	0.4	1.0	0.6	Y	Y m
Minke whale	Canadian east coast	NEC	8,987	0.32	6,909	0.04	0.5	69	3.2 ^d	2.8 ^d	N	Y m
Blue whale	Western North Atlantic	NEC	unk	unk	440	0.04	0.1	0.9	unk	unk	Y	Y
Sperm whale	North Atlantic	NEC	4,804	0.38	3,539	0.04	0.1	7.1	0.2	0	Y	N 2007
Dwarf sperm whale	Western North Atlantic	SEC	395 ^e	0.40	285 ^e	0.04	0.4	2.0	0	0	N	N (2007)
Pygmy sperm whale	Western North Atlantic	SEC	395 ^e	0.40	285 ^e	0.04	0.4	2.0	0	0	Y	N (2007)
Killer whale	Western North Atlantic	NEC	unk	unk	unk	0.04	0.5	unk	0	0	N	N (1995)
Pygmy killer whale	Western North Atlantic	SEC	unk	unk	unk	0.04	0.5	unk	0	0	N	N (2007)
Northern bottlenose whale	Western North Atlantic	NEC	unk	unk	unk	0.04	0.5	unk	0	0	N	N (2008)
Cuvier's beaked whale	Western North Atlantic	NEC	3,513 ^f	0.63	2,154 ^f	0.04	0.4	17	1.0	1.0	N	N (2009)

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Blainville's beaked whale	Western North Atlantic	NEC	3,513 ^f	0.63	2,154 ^f	0.04	0.4	17	1.2	1.2	N	N (2009)
Gervais beaked whale	Western North Atlantic	NEC	3,513 ^f	0.63	2,154 ^f	0.04	0.4	17	1.0	1.0	N	N (2009)
Sowerby's beaked whale	Western North Atlantic	NEC	3,513 ^f	0.63	2,154 ^f	0.04	0.4	17	1.2	1.0	N	N (2009)
True's beaked whale	Western North Atlantic	NEC	3,513 ^f	0.63	2,154 ^f	0.04	0.4	17	1.2	1.2	N	N (2009)
Melon-headed whale	Western North Atlantic	SEC	unk	unk	unk	0.04	0.5	unk	0	0	N	N (2007)
Risso's dolphin	Western North Atlantic	NEC	20,479	0.59	12,920	0.04	0.48	124	21	21 (0.35)	N	Y _m
Pilot whale, long-finned	Western North Atlantic	NEC	12,619	0.37	9,333	0.04	0.5	93	176 ^g	176 (0.14)	Y	Y _{a, m, p}
Pilot whale, short-finned	Western North Atlantic	SEC	24,674	0.45	17,190	0.04	0.5	172	176 ^g	176 (0.14)	N	Y _{a, m, p}
Atlantic white-sided dolphin	Western North Atlantic	NEC	63,368	0.27	50,883	0.04	0.5	509	266	266 (0.13)	N	Y _m
White-beaked dolphin	Western North Atlantic	NEC	2,003	0.94	1,023	0.04	0.5	10	0	0	N	N (2007)
Short-beaked common dolphin	Western North Atlantic	NEC	120,743	0.23	99,975	0.04	0.5	1,000	167	167 (0.11)	N	Y _m
Atlantic spotted dolphin	Western North Atlantic	SEC	50,978	0.42	36,235	0.04	0.5	362	6	6 (1.0)	N	N (2007)
Pantropical spotted dolphin	Western North Atlantic	SEC	4,439	0.49	3,010	0.04	0.5	30	6	6 (1.0)	N	N (2007)
Striped dolphin	Western North Atlantic	NEC	94,462	0.40	68,558	0.04	0.5	686	0	0	N	N (2007)
Fraser's dolphin	Western North Atlantic	SEC	unk	unk	unk	0.04	0.5	unk	0	0	N	N (2007)

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Rough-toothed dolphin	Western North Atlantic	SEC	unk	unk	unk	0.04	0.5	unk	0	0	N	N (2008)
Clymene dolphin	Western North Atlantic	SEC	unk	unk	unk	0.04	0.5	undet	0	0	N	N (2007)
Spinner dolphin	Western North Atlantic	SEC	unk	unk	unk	0.04	0.5	unk	0	0	N	N (2007)
Bottlenose dolphin	Western North Atlantic, offshore	SEC	81,588 ^h	0.17	70,775 ^h	0.04	0.4	566	unk	unk	N	N (2008) m
Bottlenose dolphin	Western North Atlantic, coastal, northern migratory	SEC	9,604	0.36	7,147	0.04	0.5	71	5.9-8.2	5.9-8.2	Y	Y (new report)
Bottlenose dolphin	Western North Atlantic, coastal, southern migratory	SEC	12,482	0.32	9,591	0.04	0.5	96	24-55	24-55	Y	Y (new report)
Bottlenose dolphin	Western North Atlantic, coastal, S. Carolina/Georgia	SEC	7,738	0.23	6,399	0.04	0.5	64	unk	unk	Y	Y (new report)
Bottlenose dolphin	Western North Atlantic, coastal, northern Florida	SEC	3,064	0.24	2,511	0.04	0.5	25	unk	unk	Y	Y (new report)
Bottlenose dolphin	Western North Atlantic, coastal, central Florida	SEC	6,318	0.26	5,094	0.04	0.5	51	unk	unk	Y	Y (new report)
Bottlenose dolphin	Northern North Carolina Estuarine System	SEC	unk	unk	unk	0.04	0.5	undet	4.1-22.6	4.1-22.6	Y	Y m
Bottlenose dolphin	Southern North Carolina Estuarine System	SEC	2,454	0.53	1,614	0.04	0.5	16	0.6-1.2	0.6-1.2	Y	Y a, m, p
Bottlenose dolphin	Charleston Estuarine System	SEC	unk	unk	unk	0.04	0.5	unk	unk	unk	Y	N (2009)
Bottlenose dolphin	Northern Georgia/Southern South Carolina Estuarine System	SEC	unk	unk	unk	0.04	0.5	unk	unk	unk	Y	N (2009)
Bottlenose dolphin	Southern Georgia Estuarine System	SEC	unk	unk	unk	0.04	0.5	unk	unk	unk	Y	N (2009)
Bottlenose dolphin	Jacksonville Estuarine System	SEC	unk	unk	unk	0.04	0.5	unk	unk	unk	Y	N (2009)
Bottlenose dolphin	Indian River Lagoon Estuarine System	SEC	unk	unk	unk	0.04	0.5	unk	unk	unk	Y	N (2009)

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Bottlenose dolphin	Biscayne Bay	SEC	unk	unk	unk	0.04	0.5	unk	unk	0.2	Y	N (2009)
Bottlenose dolphin	Florida Bay	SEC	514	0.17	447	0.04	0.5	4.5	unk	unk	N	N (2009)
Harbor porpoise	Gulf of Maine/Bay of Fundy	NEC	89,054	0.47	60,970	0.046	0.5	703	928 ^j	928(0.15) ^j	Y	Y _m
Harbor seal	Western North Atlantic	NEC	unk	unk	unk	0.12	0.5	undet	434	425 (0.16)	N	Y _m
Gray seal	Western North Atlantic	NEC	unk	unk	unk	0.12	1.0	unk	1,135	581 (0.15)	N	Y _m
Harp seal	Western North Atlantic	NEC	unk	unk	unk	0.12	0.5	unk	500,270 ^k	195(0.20)	N	Y _m
Hooded seal	Western North Atlantic	NEC	unk	unk	unk	0.12	0.75	unk	5,199 ^l	25(0.82)	N	N (2007)
Sperm whale	Gulf of Mexico Oceanic	SEC	1,665	0.20	1,409	0.04	0.1	2.8	0	0	Y	Y _m
Bryde's whale	Gulf of Mexico Oceanic	SEC	15	1.98	5	0.04	0.5	0.1	0	0	N	N (2009)
Cuvier's beaked whale	Gulf of Mexico Oceanic	SEC	65	0.67	39	0.04	0.5	0.4	0	0	N	N (2009)
Blainville's beaked whale	Gulf of Mexico Oceanic	SEC	57 ^m	1.40	24 ^m	0.04	0.5	0.2 ⁿ	0	0	N	N (2009)
Gervais' beaked whale	Gulf of Mexico Oceanic	SEC	57 ^m	1.40	24 ^m	0.04	0.5	0.2 ⁿ	0	0	N	N (2009)
Bottlenose dolphin	Gulf of Mexico Continental shelf	SEC	unk	unk	unk	0.04	0.5	undet	unk	unk	N	N (2009)
Bottlenose dolphin	Gulf of Mexico, eastern coastal	SEC	7,702	0.19	6,551	0.04	0.5	66	unk	unk	N	Y (new report)
Bottlenose dolphin	Gulf of Mexico, northern coastal	SEC	2,473	0.25	2,004	0.04	0.5	20	unk	unk	N	Y (new report)
Bottlenose dolphin	Gulf of Mexico, western coastal	SEC	unk	unk	unk	0.04	0.5	undet	unk	unk	Y	Y (new report)

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Bottlenose dolphin	Gulf of Mexico Oceanic	SEC	3,708	0.42	2,641	0.04	0.5	26	unk	unk	N	N (2009)
Bottlenose dolphin	Gulf of Mexico bay, sound, and estuarine (32 stocks)	SEC	unk for all but 3 stocks	unk	unk for all but 3 stocks	0.04	0.5	Undet for all but 3 stocks	unk	unk	Y for all	Y Stranding and fishery data
Atlantic spotted dolphin	Gulf of Mexico (Continental shelf and Oceanic)	SEC	unk	unk	unk	0.04	0.5	undet	unk	unk	N	N (2009)
Pantropical spotted dolphin	Gulf of Mexico Oceanic	SEC	34,067	0.18	29,311	0.04	0.5	293	0	0	N	N (2009)
Striped dolphin	Gulf of Mexico Oceanic	SEC	3,325	0.48	2,266	0.04	0.5	23	0	0	N	N (2009)
Spinner dolphin	Gulf of Mexico Oceanic	SEC	1,989	0.48	1,356	0.04	0.5	14	0	0	N	N (2009)
Rough-toothed dolphin	Gulf of Mexico (Outer continental shelf and Oceanic)	SEC	unk	unk	unk	0.04	0.5	undet	0	0	N	N (2009)
Clymene dolphin	Gulf of Mexico Oceanic	SEC	6,575	0.36	4,901	0.04	0.5	49	0	0	N	N (2009)
Fraser's dolphin	Gulf of Mexico Oceanic	SEC	unk	unk	unk	0.04	0.5	undet	0	0	N	N (2009)
Killer whale	Gulf of Mexico Oceanic	SEC	49	0.77	28	0.04	0.5	0.3	0	0	N	Y _m
False killer whale	Gulf of Mexico Oceanic	SEC	777	0.56	501	0.04	0.5	5.0	0	0	N	N (2009)
Pygmy killer whale	Gulf of Mexico Oceanic	SEC	323	0.60	203	0.04	0.5	2.0	0	0	N	N (2009)
Dwarf sperm whale	Gulf of Mexico Oceanic	SEC	453°	0.35	340°	0.04	0.5	3.4°	0	0	N	N (2009)
Pygmy sperm whale	Gulf of Mexico Oceanic	SEC	453°	0.35	340°	0.04	0.5	3.4°	0	0	N	N (2009)
Melon-headed whale	Gulf of Mexico Oceanic	SEC	2,283	0.76	1,293	0.04	0.5	13	0	0	N	N (2009)
Risso's dolphin	Gulf of Mexico Oceanic	SEC	1,589	0.27	1,271	0.04	0.5	13	1.65	1.65 (0.63)	N	Y _m

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Pilot whale, short-finned ^a	Gulf of Mexico Oceanic	SEC	716	0.34	542	0.04	0.5	5.4	0	0	N	N (2009)
Sperm Whale	Puerto Rico and US Virgin Islands stock	SEC	unk	unk	unk	0.04	0.1	unk	unk	unk	Y	Y (new report)

- a. The R given for right whales is the observed R. The total estimated human-caused mortality and serious injury to right whales is estimated at 2.8 per year (USA waters, 2.2; Canadian waters, 0.6). This is derived from two components: 1) non-observed fishery entanglement records at 0.8 per year (USA waters, 0.6; Canadian waters, 0.2), and 2) ship strike records at 2.0 per year (USA waters, 1.6; Canadian waters, 0.4).
- b. The total estimated human-caused mortality and serious injury to the Gulf of Maine humpback whale stock is estimated as 4.6 per year (USA waters, 4.4; Canadian waters, 0.2). This average is derived from two components: 1) incidental fishery interaction records 3.0 (USA waters, 2.8; Canadian waters, 0.2); 2) records of vessel collisions, 1.6 (USA waters, 1.6; Canadian waters, 0).
- c. This is based on a review of NMFS records from 2004-2008, that yielded an average of 3.2 human caused mortality; 2.0 ship strikes (1.4 in USA waters and 0.6 in Canadian waters) and 1.2 fishery interactions/entanglements (0.2 in Canadian waters and 1.0 in USA waters).
- d. During 2004-2008, the USA total annual estimated average human-caused mortality is 3.2 minke whales per year. This is derived from four components: 1.0 minke whales per year from USA fisheries using strandings and entanglement data, 1.2 minke whales per year from Canadian fisheries using strandings and entanglement data, 0.6 minke whales per year from observed fishery data (unknown CV), and 0.4 minke whales per year from ship strikes.
- e. This estimate may include both the dwarf and pygmy sperm whales.
- f. This estimate includes Cuvier's beaked whales and undifferentiated *Mesoplodon* spp. beaked whales.
- g. While abundance estimates have been attributed to each stock, the bycatch estimate includes both long-finned and short-finned pilot whales.
- h. Estimates may include sightings of the coastal form.
- i. Several seasonal management units have been defined for the coastal bottlenose dolphin. Each has a unique abundance estimate, PBR and mortality estimate provided in the Western North Atlantic coastal bottlenose dolphin species section of the text.
- j. The total annual estimated average human-caused mortality is 928+ (CV=0.16) harbor porpoises per year. This is derived from four components: 877 harbor porpoise per year (CV=0.15) from most U.S. fisheries using observer and MMAP data, an unknown number for the Northeast bottom trawl fishery, 45 per year (unknown CV) from Canadian fisheries using observer data, and 6 per year from unknown U.S. fisheries using strandings data.
- k. The total estimated human caused annual mortality and serious injury to harp seals is 500,270. Estimated annual human caused mortality in US waters) 195 harp seals CV=0.20) from the observed US fisheries. The remaining mortality is derived from five components: 1) 2004-2008 average catches of Northwest Atlantic harp seals by Canada, 297,452; 2) 2004-2008 average Greenland Catch, 83,583; 3) 1,000 average catches in the Canadian Arctic; 4) 12,290 average bycatches in the Newfoundland lumpfish fishery; and 5) 105,750 average struck and lost animals.
- l. This is derived from three components: 1) 5,173 from 2001-2005 (2001 = 3,960; 2002 = 7,341; 2003 = 5,446, 2004=5,270; and 2005=3,846) average catches of Northwest Atlantic population of hooded seals by Canada and Greenland; 2) 25 hooded seals (CV=0.82) from the observed U.S. fisheries; and 3) one hooded seal from average 2001-2005 stranding mortalities resulting from non-fishery human interactions.
- m. This estimate includes Gervais' beaked whales and Blainville's beaked whales.
- n. This estimate includes all *Globicephala* sp., though it is presumed that only short-finned pilot whales are present in the Gulf of Mexico.