

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 2010-2014. The “SAR revised” column indicates 2016 stock assessment reports that have been revised relative to the 2015 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 Unk = unknown and undet=undetermined (PBR for species with outdated abundance estimates is considered "undetermined").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	440	0	440	0.04 <sup>a</sup>	0.1	0.9	5.66 <sup>a</sup>	4.65 <sup>a</sup>	Y	Y (a, m)
Humpback whale	Gulf of Maine	NEC	823	0	823	0.065	0.5	13	9.05 <sup>b</sup>	7.25 <sup>b</sup>	N	Y (m, p, status)
Fin whale	Western North Atlantic	NEC	1,618	0.33	1,234	0.04	0.1	2.5	3.8 <sup>c</sup>	1.8 <sup>c</sup>	Y	Y (m)
Sei whale	Nova Scotia	NEC	357	0.52	236	0.04	0.1	0.5	0.8 <sup>d</sup>	0 <sup>d</sup>	Y	Y (m)
Minke whale	Canadian east coast	NEC	2,591	0.81	1,425	0.04	0.5	14	8.25 <sup>e</sup>	6.45 <sup>e</sup>	N	Y (a, m, p)
Blue whale	Western North Atlantic	NEC	unk	unk	440	0.04	0.1	0.9	unk	unk	Y	N (2010)
Sperm whale	North Atlantic	NEC	2,288	0.28	1,815	0.04	0.1	3.6	0.8	0.8	Y	N (2014)
Dwarf sperm whale	Western North Atlantic	SEC	3,785 <sup>j</sup>	0.47 <sup>k</sup>	2,598 <sup>j</sup>	0.04	0.4	21	3.5	3.5 (1.0)	N	Y (m, p)
Pygmy sperm whale	Western North Atlantic	SEC	3,785 <sup>j</sup>	0.47 <sup>k</sup>	2,598 <sup>j</sup>	0.04	0.4	21	3.5	3.5 (1.0)	N	Y (m, p)
Killer whale	Western North Atlantic	NEC	unk	unk	unk	0.04	0.5	unk	0	0	N	N (2014)
Pygmy killer whale	Western North Atlantic	SEC	unk	unk	unk	0.04	0.5	unk	0	0	N	N (2007)
False killer whale	Western North Atlantic	SEC	442	1.06	212	0.04	0.5	2.1	unk	unk	Y	N (2014)
Northern bottlenose whale	Western North Atlantic	NEC	unk	unk	unk	0.04	0.5	unk	0	0	N	N (2014)
Cuvier's beaked whale	Western North Atlantic	NEC	6,532	0.32	5,021	0.04	0.5	50	0.4	0.2	N	N (2013)
Blainville's beaked whale	Western North Atlantic	NEC	7,092 <sup>i</sup>	0.54	4,632 <sup>i</sup>	0.04	0.5	46	0.2	0.2	N	N (2013)
Gervais beaked whale	Western North Atlantic	NEC	7,092 <sup>i</sup>	0.54	4,632 <sup>i</sup>	0.04	0.5	46	0	0	N	N (2013)
Sowerby's beaked whale	Western North Atlantic	NEC	7,092 <sup>i</sup>	0.54	4,632 <sup>i</sup>	0.04	0.5	46	0	0	N	N (2014)
True's beaked whale	Western North Atlantic	NEC	7,092 <sup>i</sup>	0.54	4,632 <sup>i</sup>	0.04	0.5	46	0	0	N	N (2013)

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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	18,250	0.46	12,619	0.04	0.48	126	53.6	53 (0.28)	N	Y (m)
Pilot whale, long-finned	Western North Atlantic	NEC	5,636	0.63	3,464	0.04	0.5	35	38	38 (0.15)	Y	Y (m, status)
Pilot whale, short-finned	Western North Atlantic	SEC	21,515	0.37	15,913	0.04	0.5	159	192	192 (0.17)	Y	Y (m, status)
Atlantic white-sided dolphin	Western North Atlantic	NEC	48,819	0.61	30,403	0.04	0.5	304	74	74 (0.2)	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)
Common dolphin	Western North Atlantic	NEC	70,184	0.28	55,690	0.04	0.5	557	409	409 (0.10)	N	Y (a, m, p)
Atlantic spotted dolphin	Western North Atlantic	SEC	44,715	0.43	31,610	0.04	0.5	316	0	0	N	N (2013)
Pantropical spotted dolphin	Western North Atlantic	SEC	3,333	0.91	1,733	0.04	0.5	17	0	0	N	N (2013)
Striped dolphin	Western North Atlantic	NEC	54,807	0.3	42,804	0.04	0.5	428	0	0	N	N (2013)
Fraser's dolphin	Western North Atlantic	SEC	unk	unk	unk	0.04	0.5	unk	0	0	N	N (2007)
Rough-toothed dolphin	Western North Atlantic	SEC	271	1.0	134	0.04	0.5	1.3	0	0	N	N (2013)
Clymene dolphin	Western North Atlantic	SEC	unk	unk	unk	0.04	0.5	undet	0	0	N	N (2013)
Spinner dolphin	Western North Atlantic	SEC	unk	unk	unk	0.04	0.5	unk	0	0	N	N (2013)
Common bottlenose dolphin	Western North Atlantic, offshore	SEC	77,532 <sup>g</sup>	0.40	56,053 <sup>g</sup>	0.04	0.5	561	39.4	39.4 (0.29)	N	Y (m)
Common bottlenose dolphin	Western North Atlantic, northern migratory coastal	SEC	11,548	0.36	8,620	0.04	0.5	86	1-7.5	1-7.5	Y	N (2015)
Common bottlenose dolphin	Western North Atlantic, southern migratory coastal	SEC	9,173	0.46	6,326	0.04	0.5	63	0-12	0-12	Y	N (2015)
Common bottlenose dolphin	Western North Atlantic, S. Carolina/Georgia coastal	SEC	4,377	0.43	3,097	0.04	0.5	31	1.2-1.6	1.2-1.6	Y	N (2015)
Common bottlenose dolphin	Western North Atlantic, northern Florida coastal	SEC	1,219	0.67	730	0.04	0.5	7	0.4	0.4	Y	N (2015)
Common bottlenose dolphin	Western North Atlantic, central Florida coastal	SEC	4,895	0.71	2,851	0.04	0.5	29	0.2	0.2	Y	N (2015)

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Common bottlenose dolphin	Northern North Carolina Estuarine System	SEC	823	0.06	782	0.04	0.5	7.8	1.0-16.7	1.0-16.7	Y	N (2015)
Common bottlenose dolphin	Southern North Carolina Estuarine System	SEC	unk	unk	unk	0.04	0.5	undet	0-0.4	0-0.4	Y	N (2015)
Common bottlenose dolphin	Northern South Carolina Estuarine System	SEC	unk	unk	unk	0.04	0.5	unk	0.2	0.2	Y	N (2015)
Common bottlenose dolphin	Charleston Estuarine System	SEC	unk	unk	unk	0.04	0.5	undet	unk	unk	Y	N (2015)
Common bottlenose dolphin	Northern Georgia/Southern South Carolina Estuarine System	SEC	unk	unk	unk	0.04	0.5	unk	1.4	1.4	Y	N (2015)
Common bottlenose dolphin	Central Georgia Estuarine System	SEC	192	0.04	185	0.04	0.5	1.9	unk	unk	Y	N (2015)
Common bottlenose dolphin	Southern Georgia Estuarine System	SEC	194	0.05	185	0.04	0.5	1.9	unk	unk	Y	N (2015)
Common bottlenose dolphin	Jacksonville Estuarine System	SEC	unk	unk	unk	0.04	0.5	unk	1.2	1.2	Y	N (2015)
Common bottlenose dolphin	Indian River Lagoon Estuarine System	SEC	unk	unk	unk	0.04	0.5	unk	4.4	4.4	Y	N (2015)
Common bottlenose dolphin	Biscayne Bay	SEC	unk	unk	unk	0.04	0.5	unk	unk	unk	Y	N (2013)
Common bottlenose dolphin	Florida Bay	SEC	unk	unk	unk	0.04	0.5	undet	unk	unk	N	N (2013)
Harbor porpoise	Gulf of Maine/Bay of Fundy	NEC	79,833	0.32	61,415	0.046	0.5	706	437	437 (0.18)	N	Y (m)
Harbor seal	Western North Atlantic	NEC	75,834	0.15	66,884	0.12	0.5	2,006	389	377 (0.13)	N	Y (m)
Gray seal	Western North Atlantic	NEC	unk	unk	unk	0.12	1.0	unk	4,937	1,162 (0.11)	N	Y (m)
Harp seal	Western North Atlantic	NEC	unk	unk	unk	0.12	1.0	unk	306,082 <sup>g</sup>	271 (0.19)	N	N (2013)
Hooded seal	Western North Atlantic	NEC	unk	unk	unk	0.12	0.75	unk	5,199 <sup>h</sup>	25(0.82)	N	N (2007)
Sperm whale	Gulf of Mexico	SEC	763	0.38	560	0.04	0.1	1.1	0	0	Y	N (2015)
Bryde's whale	Gulf of Mexico	SEC	33	1.07	16	0.04	0.1	0.03	0.2	0	Y	N (2015)
Cuvier's beaked whale	Gulf of Mexico	SEC	74	1.04	36	0.04	0.5	0.4	0	0	N	N (2012)
Blainville's beaked whale	Gulf of Mexico	SEC	149 <sup>i</sup>	0.91	77	0.04	0.5	0.8	0	0	N	N (2012)
Gervais' beaked whale	Gulf of Mexico	SEC	149 <sup>i</sup>	0.91	77	0.04	0.5	0.8	0	0	N	N (2012)
Common bottlenose dolphin	Gulf of Mexico, Continental shelf	SEC	51,192	0.10	46,926	0.04	0.5	469	0.8	0.6	N	N (2015)
Common bottlenose dolphin	Gulf of Mexico, eastern coastal	SEC	12,388	0.13	11,110	0.04	0.5	111	1.6	1.6	N	N (2015)

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Common bottlenose dolphin	Gulf of Mexico, northern coastal	SEC	7,185	0.21	6,044	0.04	0.5	60	0.4	0.4	N	N (2015)
Common bottlenose dolphin	Gulf of Mexico, western coastal	SEC	20,161	0.17	17,491	0.04	0.5	175	0.6	0.6	N	N (2015)
Common bottlenose dolphin	Gulf of Mexico, Oceanic	SEC	5,806	0.39	4,230	0.04	0.5	42	6.5	6.5 (0.65)	N	N (2014)
Common bottlenose dolphin	Gulf of Mexico, bay, sound and estuary (27 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
Common bottlenose dolphin	Barataria Bay	SEC	unk	unk	unk	0.04	0.5	undet	0.8	0.8	Y	N (2015)
Common bottlenose dolphin	Mississippi Sound, Lake Borgne, Bay Boudreau	SEC	901	0.63	551	0.04	0.5	5.6	2.2	1.6	Y	N (2015)
Common bottlenose dolphin	St. Joseph Bay	SEC	152	0.08	unk <sup>1</sup>	0.04	0.5	undet <sup>1</sup>	unk	unk	Y	N (2015) <sup>1</sup>
Common bottlenose dolphin	Choctawhatchee Bay	SEC	179	0.04	unk <sup>1</sup>	0.04	0.5	undet <sup>1</sup>	0.4	0.4	Y	N (2015) <sup>1</sup>
Atlantic spotted dolphin	Gulf of Mexico	SEC	unk	unk	unk	0.04	0.5	undet	42	42 (0.45)	N	N (2015)
Pantropical spotted dolphin	Gulf of Mexico	SEC	50,880	0.27	40,699	0.04	0.5	407	4.4	4.4	N	N (2015)
Striped dolphin	Gulf of Mexico	SEC	1,849	0.77	1,041	0.04	0.5	10	0	0	N	N (2012)
Spinner dolphin	Gulf of Mexico	SEC	11,441	0.83	6,221	0.04	0.5	62	0	0	N	N (2012)
Rough-toothed dolphin	Gulf of Mexico	SEC	624	0.99	311	0.04	0.4	3	0.8	0.8 (1.0)	N	Y (m)
Clymene dolphin	Gulf of Mexico	SEC	129	1.00	64	0.04	0.5	0.6	0	0	N	N (2012)
Fraser's dolphin	Gulf of Mexico	SEC	unk	unk	unk	0.04	0.5	undet	0	0	N	N (2012)
Killer whale	Gulf of Mexico	SEC	28	1.02	14	0.04	0.5	0.1	0	0	N	N (2012)
False killer whale	Gulf of Mexico	SEC	unk	unk	unk	0.04	0.5	undet	0	0	N	N (2012)
Pygmy killer whale	Gulf of Mexico	SEC	152	1.02	75	0.04	0.5	0.8	0	0	N	N (2012)
Dwarf sperm whale	Gulf of Mexico	SEC	186 <sup>1</sup>	1.04	90	0.04	0.5	0.9	0	0	N	N (2012)
Pygmy sperm whale	Gulf of Mexico	SEC	186 <sup>1</sup>	1.04	90	0.04	0.5	0.9	0.3	0.3 (1.0)	N	N (2012)
Melon-headed whale	Gulf of Mexico	SEC	2,235	0.75	1,274	0.04	0.5	13	0	0	N	N (2012)
Risso's dolphin	Gulf of Mexico	SEC	2,442	0.57	1,563	0.04	0.5	16	7.9	7.9 (0.85)	N	N (2015)
Pilot whale, short-finned <sup>1</sup>	Gulf of Mexico	SEC	2,415	0.66	1456	0.04	0.5	15	0.5	0.5 (1.0)	N	N (2015)
Sperm Whale	Puerto Rico and US Virgin Islands	SEC	unk	unk	unk	0.04	0.1	unk	unk	unk	Y	N (2010)
Common bottlenose dolphin	Puerto Rico and US Virgin Islands	SEC	unk	unk	unk	0.04	0.5	unk	unk	unk	Y	N (2011)
Cuvier's beaked whale	Puerto Rico and US Virgin Islands	SEC	unk	unk	unk	0.04	0.5	unk	unk	unk	Y	N (2011)

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Pilot whale, short-finned	Puerto Rico and US Virgin Islands	SEC	unk	unk	unk	0.04	0.5	unk	unk	unk	Y	N (2011)
Spinner dolphin	Puerto Rico and US Virgin Islands	SEC	unk	unk	unk	0.04	0.5	unk	unk	unk	Y	N (2011)
Atlantic spotted dolphin	Puerto Rico and US Virgin Islands	SEC	unk	unk	unk	0.04	0.5	unk	unk	unk	Y	N (2011)

- a. The R given for right whales is the default Rmax of 0.04. The total estimated human-caused mortality and serious injury to right whales is estimated at 5.66 per year. This is derived from two components: 1) non-observed fishery entanglement records at 4.65 per year, and 2) ship strike records at 1.01 per year.
- b. The total estimated human-caused mortality and serious injury to the Gulf of Maine humpback whale stock is estimated as 9.05 per year. This average is derived from two components: 1) incidental fishery interaction records 7.25; 2) records of vessel collisions, 1.8.
- c. The total estimated human-caused mortality and serious injury to the Western North Atlantic fin whale stock is estimated as 3.8 per year. This average is derived from two components: 1) incidental fishery interaction records 1.8; 2) records of vessel collisions, 2.0.
- d. The total estimated human-caused mortality and serious injury to the Nova Scotia sei whale stock is estimated as 0.8 per year. This average is derived from two components: 1) incidental fishery interaction records 0; 2) records of vessel collisions, 0.8.
- e. The total estimated human-caused mortality and serious injury to the Canadian East Coast minke whale stock is estimated as 8.25 per year. This average is derived from three components: 1) 0.2 minke whales per year from observed U.S. fisheries; 2) 6.45 minke whales per year (unknown CV) from U.S. and Canadian fisheries using strandings and entanglement data; and 3) 1.6 per year from ship strikes.
- f. Estimates may include sightings of the coastal form.
- g. The total estimated human caused annual mortality and serious injury to harp seals is 306,082. Estimated annual human caused mortality in US waters is 271 harp seals (CV=0.19) from the observed US fisheries. The remaining mortality is derived from five components: 1) 2007-2011 average catches of Northwest Atlantic harp seals by Canada, 125,751; 2) 2007-2011 average Greenland Catch, 79,181; 3) 1,000 average catches in the Canadian Arctic; 4) 12,330 average bycatches in the Newfoundland lumpfish fishery; and 5) 87,546 average struck and lost animals.
- h. 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.
- i. This estimate includes Gervais' beaked whales and Blainville's beaked whales for the Gulf of Mexico stocks, and all species of *Mesoplodon* in the Atlantic.
- j. This estimate includes both the dwarf and pygmy sperm whales.
- k. This estimate includes all *Globicephala sp.*, though it is presumed that only short-finned pilot whales are present in the Gulf of Mexico.
- l. The individual SAR for this stock was not updated; however, Table 1 within the "Northern Gulf of Mexico Bay, Sound and Estuary Stocks" SAR, that includes basic information for all individual bay, sound and estuary stocks, was updated to reflect the changes in Nmin and PBR.