

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 ~~2002-2003-2006~~2007. -The "SAR revised" column indicates ~~2008-2009~~ stock assessment reports that have been revised relative to the ~~2007-2008~~ reports (Y=yes, -N=no). -If abundance, mortality, PBR estimates or ~~stranding records~~status have been revised, they are indicated with the letters "a", "m", "p" and "~~stranding data~~atus" 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 -Unk = unknown and undet=undetermined (PBR for species with outdated abundance estimates is considered "undetermined").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	Revised
North Atlantic right whale	Western North Atlantic	NEC	325	0	325	0	0.1	0	3.8 <sup>a</sup> 2 <sup>a</sup>	1.4 <sup>a</sup> 0 <sup>a</sup>	Y	Y <del>a,m</del>
Humpback whale	Gulf of Maine	NEC	847	0.55	549	0.04	0.1	1.1	4.4 <sup>b</sup>	3.02.8 <sup>b</sup>	Y	Y m
Fin whale	Western North Atlantic	NEC	2,269	0.37	1,678	0.04	0.1	3.4	2.02.68 <sup>c</sup>	0.81.02 <sup>c</sup>	Y	Y m
Sei whale	Nova Scotia	NEC	207	0.62	128	0.04	0.1	0.3	0.68	0.2	Y	Y m
Minke whale	Canadian east coast	NEC	3,312	0.74	1,899	0.04	0.5	19	2.2 <sup>a</sup> 4 <sup>d</sup>	2.01.8 <sup>d</sup>	N	Y m
Blue whale	Western North Atlantic	NEC	unk	unk	unk	0.04	0.1	unk	0.2	0	Y	N (2002)
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 <sup>e</sup>	0.40	285 <sup>e</sup>	0.04	0.4	2.0	0	0	N	N (2007)
Pygmy sperm whale	Western North Atlantic	SEC	395 <sup>e</sup>	0.40	285 <sup>e</sup>	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	Y N (2008)
Cuvier's beaked whale	Western North Atlantic	NEC	3,513 <sup>f</sup>	0.63	2,154 <sup>f</sup>	0.04	0.4	17	1.0+	1.0+ <sup>g</sup>	N	Y status
<del>Blainville's beaked whale</del>	<del>Western North Atlantic</del>	<del>NEC</del>	<del>3,513<sup>f</sup></del>	<del>0.63</del>	<del>2,154<sup>f</sup></del>	<del>0.04</del>	<del>0.4</del>	<del>17</del>	<del>1.2</del>	<del>1.2</del>	<del>N</del>	<del>Y (new report)</del>
<del>Gervais beaked whale</del>	<del>Western North Atlantic</del>	<del>NEC</del>	<del>3,513<sup>f</sup></del>	<del>0.63</del>	<del>2,154<sup>f</sup></del>	<del>0.04</del>	<del>0.4</del>	<del>17</del>	<del>1.0</del>	<del>1.0</del>	<del>N</del>	<del>Y (new report)</del>
<del>Sowerby's beaked whale</del>	<del>Western North Atlantic</del>	<del>NEC</del>	<del>3,513<sup>f</sup></del>	<del>0.63</del>	<del>2,154<sup>f</sup></del>	<del>0.04</del>	<del>0.4</del>	<del>17</del>	<del>1.2</del>	<del>1.0</del>	<del>N</del>	<del>Y (new report)</del>
<del>Mesoplodon - True's beaked whales</del>	<del>Western North Atlantic</del>	<del>NEC</del>	<del>3,513<sup>f</sup></del>	<del>0.63</del>	<del>2,154<sup>f</sup></del>	<del>0.04</del>	<del>0.4</del>	<del>17</del>	<del>1.2</del>	<del>1.2<sup>g</sup></del>	<del>N</del>	<del>Y (new report)</del> <del>Y</del> <del>status</del>

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	Revised
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	0.5	129	<del>25</del> 26	2526(0.32)	N	Ym
Pilot whale, long-finned	Western North Atlantic	NEC	31,± <del>39</del> <sup>h</sup> <sub>1</sub> <del>39</del> <sup>s</sup>	0.27	24,866 <sup>h</sup> <del>866</del> <sup>s</sup>	0.04	0.5	249	1676 <sup>h±s</sup>	467166(0.14)	N	Ym
Pilot whale, short-finned	Western North Atlantic	SEC	31,± <del>39</del> <sup>h</sup> <sub>1</sub> <del>39</del> <sup>s</sup>	0.27	24,866 <sup>h</sup> <del>866</del> <sup>s</sup>	0.04	0.5	249	<del>167</del> <sup>h</sup> <sub>s</sub> 166	467166(0.14)	N	Ym
Atlantic white-sided dolphin	Western North Atlantic	NEC	63,368	0.27	50,883	0.04	0.5	509	<del>352</del> 328	352328(0.09)	N	Ym
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	<del>46</del> 160	46160(0.10)	N	Ym
Atlantic spotted dolphin	Western North Atlantic	SEC	50,978	0.42	36,235 <sup>s</sup>	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)
Rough-toothed dolphin	Western North Atlantic	SEC	unk	unk	unk	0.04	0.5	unk	0	0	N	<del>Y</del> N (new report 2008)
Clymene dolphin	Western North Atlantic	SEC	unk	unk	unk	0.04	0.5	undert	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 <sup>h</sup>	0.17	70,775 <sup>h</sup>	0.04	0.4	566	<del>unk</del> <sup>h</sup> unk <sub>s</sub>	<del>unk</del> <sup>h</sup> unk <sub>s</sub>	<del>N</del> <sup>h</sup> N <sup>o</sup>	<del>Y</del> N (2008 m)
Bottlenose dolphin	Western North Atlantic, coastal	SEC	unk <sup>h</sup>	unk <sup>h</sup>	unk <sup>h</sup>	0.04	0.5	unk <sup>h</sup>	unk <sup>h</sup>	unk <sup>h</sup>	Y	<del>Y</del> N (2008)
<u>Bottlenose dolphin</u>	<u>Northern North Carolina Estuarine System</u>	<u>SEC</u>	<u>unk</u>	<u>unk</u>	<u>unk</u>	<u>0.04</u>	<u>0.5</u>	<u>undert</u>	<u>unk</u>	<u>unk</u>	<u>Y</u>	<u>Y (new report)</u>
<u>Bottlenose dolphin</u>	<u>Southern North Carolina Estuarine System</u>	<u>SEC</u>	<u>unk</u>	<u>unk</u>	<u>unk</u>	<u>0.04</u>	<u>0.5</u>	<u>undert</u>	<u>unk</u>	<u>unk</u>	<u>Y</u>	<u>Y (new report)</u>

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Bottlenose dolphin	<a href="#">Charleston Estuarine System</a>	SEC	unk	unk	unk	$\frac{0.0}{4}$	0.5	unk	unk	unk	Y	Y (new report)
Bottlenose dolphin	<a href="#">Northern Georgia/Southern South Carolina Estuarine System</a>	SEC	unk	unk	unk	$\frac{0.0}{4}$	0.5	unk	unk	unk	Y	Y (new report)
Bottlenose dolphin	<a href="#">Southern Georgia Estuarine System</a>	SEC	unk	unk	unk	$\frac{0.0}{4}$	0.5	unk	unk	unk	Y	Y (new report)
Bottlenose dolphin	<a href="#">Jacksonville Estuarine System</a>	SEC	unk	unk	unk	$\frac{0.0}{4}$	0.5	unk	unk	unk	Y	Y (new report)
Bottlenose dolphin	<a href="#">Indian River Lagoon Estuarine System</a>	SEC	unk	unk	unk	$\frac{0.0}{4}$	0.5	unk	unk	unk	Y	Y (new report)
Bottlenose dolphin	<a href="#">Biscayne Bay</a>	SEC	unk	unk	unk	$\frac{0.0}{4}$	0.5	unk	unk	0.2	Y	Y (new report)
Bottlenose dolphin	<a href="#">Florida Bay</a>	SEC	514	0.17	447	$\frac{0.0}{4}$	0.5	4.5	unk	unk	N	Y (new report)
Harbor porpoise	Gulf of Maine/Bay of Fundy	NEC	89,054	0.47	60,970	$\frac{0.0}{4}$	0.5	610	<del>874</del> <sup>817</sup> <sub>ki</sub>	<del>866891</del> <sup>7(0.1312)</sup> <sub>ki</sub>	Y	Ym
Harbor seal	Western North Atlantic	NEC	99,340	0.097	91,546	$\frac{0.1}{2}$	0.5	2,746	<del>624</del> <sup>477</sup>	<del>611467</del> <sup>(0.1514)</sup>	N	Ym
Gray seal	Western North Atlantic	NEC	unk	unk	unk	$\frac{0.1}{2}$	1.0	unk	<del>836</del> <sup>1.16</sup> <sub>0</sub>	<del>331503</del> <sup>(0.2116)</sup>	N	Ym
Harp seal	Western North Atlantic	NEC	unk	unk	unk	$\frac{0.1}{2}$	0.5	unk	<del>443,299</del> <sup>221</sup> <sub>k</sub>	<del>89111(0.3120)</del>	N	Ya, m
Hooded seal	Western North Atlantic	NEC	unk	unk	unk	$\frac{0.1}{2}$	0.75	unk	<del>5,199</del> <sup>m1</sup> <sub>99</sub> <sup>l</sup>	25(0.82)	N	N (2007)
Sperm whale	Northern Gulf of Mexico Oceanic	SEC	1,665	.20	1,409	$\frac{0.0}{4}$	0.1	2.8	0	0	Y	Y (stranding data)
Bryde's whale	Northern Gulf of Mexico Oceanic	SEC	15	1.98	5	$\frac{0.0}{4}$	0.5	0.1	0	0	N	Y
Cuvier's beaked whale	Northern Gulf of Mexico Oceanic	SEC	65	0.67	39	$\frac{0.0}{4}$	0.5	0.4	0	0	N	Y status
Blainville's beaked whale	Northern Gulf of Mexico Oceanic	SEC	<del>57</del> <sup>m5</sup> <sub>7</sub>	1.40	24 <sup>am</sup>	$\frac{0.0}{4}$	0.5	0.2 <sup>n</sup>	0	0	N	Y status
Gervais' beaked whale	Northern Gulf of Mexico Oceanic	SEC	<del>57</del> <sup>m5</sup> <sub>7</sub>	1.40	24 <sup>am</sup>	$\frac{0.0}{4}$	0.5	0.2 <sup>n</sup>	0	0	N	Y status

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Bottlenose dolphin	Northern Gulf of Mexico Continental shelf	SEC	<del>17,777</del> unk	<del>0.32</del> unk	<del>13,667</del> unk	0.04	0.5	<del>136</del> undet	unk	unk	N	Y <sub>a,p</sub>
Bottlenose dolphin	Northern Gulf of Mexico Coastal ( <u>3 stocks</u> )	SEC	unk	unk	unk	0.04	0.5	undet	unk	unk	Y	Y Stranding and fishery data
Bottlenose dolphin	Northern Gulf of Mexico Oceanic	SEC	3,708	<u>0.42</u>	2,641	0.04	0.5	26	unk	unk	N	Y
Bottlenose dolphin	Gulf of Mexico bay, sound, and estuarine ( <u>33 stocks</u> )	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	Northern Gulf of Mexico ( <u>Outer continental Continental shelf and Oceanic</u> )	SEC	<del>37,644</del> unk	<del>0.28</del> unk	<del>29,844</del> unk	0.04	0.5	<del>298</del> undet	<u>0</u> unk	<u>0</u> unk	N	Y <sub>a,p</sub> , stranding data
Pantropical spotted dolphin	Northern Gulf of Mexico Oceanic	SEC	34,067	<u>0.18</u>	29,311	0.04	0.5	293	0	0	N	Y
Striped dolphin	Northern Gulf of Mexico Oceanic	SEC	3,325	<u>0.48</u>	2,266	0.04	0.5	23	0	0	N	Y (stranding data)
Spinner dolphin	Northern Gulf of Mexico Oceanic	SEC	1,989	<u>0.48</u>	1,356	0.04	0.5	14	0	0	N	Y
Rough-toothed dolphin	Northern Gulf of Mexico (Outer continental shelf and Oceanic)	SEC	<del>2,653</del> unk	<del>0.42</del> unk	<del>1,890</del> unk	0.04	0.5	<del>18</del> undet	0	0	N	Y <sub>a,p</sub> , (stranding data)
Clymene dolphin	Northern Gulf of Mexico Oceanic	SEC	6,575	<u>0.36</u>	4,901	0.04	0.5	49	0	0	N	Y
Fraser's dolphin	Northern Gulf of Mexico Oceanic	SEC	unk	unk	unk	0.04	0.5	undet	0	0	N	Y
Killer whale	Northern Gulf of Mexico Oceanic	SEC	49	<u>0.77</u>	28	0.04	0.5	0.3	0	0	N	Y
False killer whale	Northern Gulf of Mexico Oceanic	SEC	777	<u>0.56</u>	501	0.04	0.5	5.0	0	0	N	Y

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Pygmy killer whale	Northern Gulf of Mexico Oceanic	SEC	323	0.60	203	0.04	0.5	2.0	0	0	N	Y
Dwarf sperm whale	Northern Gulf of Mexico Oceanic	SEC	453 <sup>e</sup>	0.35	340 <sup>e</sup>	0.04	0.5	3.4 <sup>e</sup>	0	0	N	Y (stranding data)
Pygmy sperm whale	Northern Gulf of Mexico Oceanic	SEC	453 <sup>e</sup>	0.35	340 <sup>e</sup>	0.04	0.5	3.4 <sup>e</sup>	0	0	N	Y (stranding data)
Melon-headed whale	Northern Gulf of Mexico Oceanic	SEC	2,283	0.76	1,293	0.04	0.5	13	0	0	N	Y stranding data
Risso's dolphin	Northern Gulf of Mexico Oceanic	SEC	1,589	0.27	1,271	0.04	0.5	13	0	0	N	Y (stranding data)
Pilot whale, short-finned <sup>g</sup> finned <sup>h</sup> ed <sup>n</sup>	Northern Gulf of Mexico Oceanic	SEC	716	0.34	542	0.04	0.5	5.4	0	0	N	Y

- a. The total estimated human-caused mortality and serious injury to right whales is estimated at 3.8-2 per year (USA waters, 2.42; Canadian waters, 1.41.0). This is derived from two components: 1) non-observed fishery entanglement records at 1.4-0.8 per year (USA waters, 0.86; Canadian waters, 0.82), and 2) ship strike records at 2.4-2 per year (USA waters, 1.86; Canadian waters, 0.6).
- b. The total estimated human-caused mortality and serious injury to the Gulf of Maine humpback whale stock is estimated as 4.4 per year (USA waters, 4.0; Canadian waters, 0.4). This average is derived from two components: 1) incidental fishery interaction records 3.02.8 (USA waters, 2.64; Canadian waters, 0.4); 2) records of vessel collisions, 1.46 (USA waters, 1.46; Canadian waters, 0).
- c. This is based on a review of NMFS records from 20022003-20062007, that yielded an average of 2.0-68 human caused mortality; 1.2-6 ship strikes (0.1.28 in USA waters and 0.4 in Canadian waters) and 0.81.02 fishery interactions/entanglements (0.4 in Canadian waters and 0.8 in USA waters).
- d. During 20022003-20062007, the USA total annual estimated average human-caused mortality is 2.2-4 minke whales per year, plus a pending number from the bycatch estimate. This is derived from three components: a yet to be an undetermined number of 0.2 minke whales per year (CV=??) from USA fisheries using observer data (one minke whale bycatch was observed but this number has yet to be not been statistically extended in 2004), 1.8 minke whales per year from USA fisheries using strandings and entanglement data, 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. This is the average mortality of undifferentiated beaked whales (*Mesoplodon* spp.)  
h.g. This estimate may include both long-finned and short-finned pilot whales.  
i.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.
- kj. The total annual estimated average human-caused mortality is 874-817 (CV=.4312) harbor porpoises per year. This is derived from three components: 866-807 harbor porpoise per year (CV=0.4312) from USA fisheries using observer and MMAP data, 2 per year (unknown CV) from Canadian fisheries using observer data, and 5-7.5 per year from USA unknown fisheries using strandings data.
- kl. The total estimated human caused annual mortality and serious injury to harp seals was 443.299433.221. Estimated annual human caused mortality in US waters is 83, derived from two components: 1) 80-111 harp seals (CV=0.3420) from the observed US fisheries and 3 from average 2002-2006 stranding mortalities resulting from non fishery human interactions. The remaining mortality is derived from five components: 1) 20022003-2006-2007 average catches of Northwest Atlantic harp seals by Canada, 330.509311.881; 2) 20022003-2006-2007 average Greenland Catch, 75.08578.137; 3) 7165-1.000 average catches in the Canadian Arctic ; 4) 8.99510.643 average bycatches in the Newfoundland lumpfish fishery; and 5) 402.647103.215 average struck and lost animals.
- ml. 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.

- ~~n~~ ~~iii.~~ This estimate includes Gervais' beaked whales and Blaineville's beaked whales.
- ~~o.~~ ~~This is the sum (37,611) of the minimum number of Atlantic spotted dolphins seen in the outer continental shelf (37,611) and the oceanic (0) regions combined, and the PBR is based on the sum.~~
- ~~p.~~ ~~This is the sum (2,653) of the minimum number of rough-toothed dolphins seen in the outer continental shelf (1,145) and the oceanic (1,508) regions combined, and the PBR is based on the sum.~~
- ~~q~~ ~~ii.~~ This estimate includes all *Globicephala sp.*, though it is presumed that only short-finned pilot whales are present in the Gulf of Mexico.
- ~~r~~ ~~o.~~ Strategic status determination for the current year will be completed when fishery bycatch estimates are finalized. Status reported is that of the most recently published stock assessment report.

