

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 1999-2003. The "SAR revised" column indicates 2005 stock assessment reports that have been revised relative to the 2003 reports (Y=yes N=no). If abundance, mortality or PBR estimates have been revised, they are indicated with the letters "a", "m" and "p" respectively. For those species not updated in this edition, the year of last revision is indicated.

Species	Stock Area	NMFS Center	N _{min}	R _{max}	Fr	PBR	Total Annual S.I. and Mort.	Annual Fish. S.I. and Mort. (ev)	Strategic Status	Revised
North Atlantic right whale	Western North Atlantic	NEC	299	0	0.1	0	2.6 ^a	1.6 ^a	Y	Y m
Humpback whale	Gulf of Maine	NEC	647	0.04	0.1	1.3	3.8 ^b	2.8 ^b	Y	Y a,m,p
Fin whale	Western North Atlantic	NEC	2,362	0.04	0.1	4.7	1.4 ^c	0.4 ^c	Y	Y m
Sei whale	Nova Scotia	NEC	N/A	0.04	0.1	N/A	0.4	0	Y	Y (m)
Minke whale	Canadian East Coast	NEC	3,113	0.04	0.5	31	3.2 ^d	3.2 ^d	N	Y a,m,p
Blue whale	Western North Atlantic	NEC	308	0.04	0.1	N/A	0.2	0	Y	N (2002)
Sperm whale	North Atlantic	NEC	3,539	0.04	0.1	7.0	0.4 ^e	0.2	Y	Y a,m,p
Dwarf sperm whale	Western North Atlantic	SEC	285 ^f	0.04	0.5	2.0	0	0	N	Y a,p
Pygmy sperm whale	Western North Atlantic	SEC	285 ^f	0.04	0.5	2.0	6	6	Y	Y a,p
Killer whale	Western North Atlantic	NEC	N/A	0.04	N/A	N/A	0	0	N	N (1995)
Pygmy killer whale	Western North Atlantic	SEC	N/A	0.04	0.5	N/A	0	0	N	Y (strandings)
Northern bottlenose whale	Western North Atlantic	NEC	N/A	0.04	N/A	N/A	0	0	N	N (1998)
Cuvier's beaked whale	Western North Atlantic	NEC	2,154 ^g	0.04	0.5	22	0	0 ^h	Y	Y a,p
Mesoplodon beaked whales	Western North Atlantic	NEC	2,154 ^g	0.04	0.5	22	0	0 ^h	Y	Y a,p
Mellon-headed whale	Western North Atlantic	SEC	N/A	0.04	0.5	N/A	0	0	N	Y (strandings)
Risso's dolphin	Western North Atlantic	NEC	12,920	0.04	0.48	124	51	51(.34)	N	Y a,m,p
Pilot whale, long-finned	Western North Atlantic	NEC	24,866 ⁱ	0.04	0.48	239	210 ^j	210(.40)	N	Y a,m,p
Pilot whale, short-finned	Western North Atlantic	SEC	24,866 ⁱ	0.04	0.48	239	210 ^j	210(.40)	N	Y a,m,p
Atlantic white-sided dolphin	Western North Atlantic	NEC	37,904	0.04	0.48	364	38	38(.39)	N	Y m
White-beaked dolphin	Western North Atlantic	NEC	N/A	0.04	N/A	N/A	0	0	N	Y (strandings)

Species	Stock Area	NMFS Center	N _{min}	R _{max}	Fr	PBR	Total Annual S.I and Mort.	Annual Fish. S.I. and Mort. (ev)	Strategic Status	Revised
Common dolphin	Western North Atlantic	NEC	99,975	0.04	0.48	960	119	119(0.43)	N	Y a,m,p
Atlantic spotted dolphin	Western North Atlantic	SEC	36,235	0.04	0.5	362	0	0	N	Y a,m,p
Pantropical spotted dolphin	Western North Atlantic	SEC	3,010	0.04	0.5	30	0	0	N	Y a,m,p
Striped dolphin	Western North Atlantic	NEC	68,558	0.04	0.5	686	0	0	N	Y a,m,p
Fraser's dolphin	Western North Atlantic	SEC	N/A	0.04	0.5	N/A	0	0	N	Y (strandings)
Clymene dolphin	Western North Atlantic	SEC	3,132	0.04	0.5	31	0	0	N	Y (strandings)
Spinner dolphin	Western North Atlantic	SEC	N/A	N/A	N/A	N/A	0	0	N	Y m
Bottlenose dolphin	Western North Atlantic, offshore	SEC	70,775 ^k	0.04	0.4	566	26	26(1.16)	N	Y a,m,p
Bottlenose dolphin	Western North Atlantic, coastal	SEC	N/A ^l	0.04	0.5	N/A ^l	N/A ^l	N/A ^l	Y	Y a,m,p
Harbor porpoise	Gulf of Maine/Bay of Fundy	NEC	74,695	0.04	0.5	747	473 ^m	424(.17)	N	Y m
Harbor seal	Western North Atlantic	NEC	91,546	0.12	1.0	5,493	1,051	1032(.17)	N	Y a,m,p
Gray seal	Western North Atlantic	NEC	N/A	0.12	1.0	N/A	274	141(.26)	N	Y m
Harp seal	Western North Atlantic	NEC	N/A	0.12	0.5	N/A	453,962 ⁿ	36(.53)	N	Y m
Hooded seal	Western North Atlantic	NEC	N/A	0.12	0.5	N/A	5,594 ^o	16(1.14)	N	Y m
Sperm whale	Northern Gulf of Mexico Oceanic	SEC	1,114	0.04	0.1	2.2	0	0	Y	Y
Bryde's whale	Northern Gulf of Mexico Oceanic	SEC	25	0.04	0.5	0.3	0	0	N	Y
Cuvier's beaked whale	Northern Gulf of Mexico Oceanic	SEC	65	0.04	0.5	0.7	0	0	Y	Y
Blainville's beaked whale	Northern Gulf of Mexico Oceanic	SEC	76	0.04	0.5	0.8 ^p	0	0	Y	Y
Gervais' beaked whale	Northern Gulf of Mexico Oceanic	SEC	76	0.04	0.5	0.8 ^p	0	0	Y	Y
Bottlenose dolphin	Northern Gulf of Mexico Continental shelf	SEC	20,414	0.04	0.5	204	0	0	N	Y
Bottlenose dolphin	Northern Gulf of Mexico Coastal	SEC	N/A	0.04	0.5	N/A	0	0	Y	Y
Bottlenose dolphin	Northern Gulf of Mexico Oceanic	SEC	1,607	0.04	0.5	16	0	0	N	Y
Bottlenose dolphin	Gulf of Mexico bay, sound, and estuarine	SEC	N/A	0.04	0.5	N/A	N/A	N/A	Y	Y
Atlantic spotted dolphin	Northern Gulf of Mexico (Outer continental shelf and Oceanic)	SEC	24,752 ^q	0.04	0.5	248 ^q	0	0	N	Y

Species	Stock Area	NMFS Center	N _{min}	R _{max}	Fr	PBR	Total Annual S.I and Mort.	Annual Fish. S.I. and Mort. (cv)	Strategic Status	Revised
Pantropical spotted dolphin	Northern Gulf of Mexico Oceanic	SEC	79,879	0.04	0.5	799	0	0	N	Y
Striped dolphin	Northern Gulf of Mexico Oceanic	SEC	4,599	0.04	0.5	46	0	0	N	Y
Spinner dolphin	Northern Gulf of Mexico Oceanic	SEC	6,990	0.04	0.5	70	0	0	N	Y
Rough-toothed dolphin	Northern Gulf of Mexico (Outer continental shelf and Oceanic)	SEC	1,595 ^f	0.04	0.5	16 ^f	0	0	N	Y
Clymene dolphin	Northern Gulf of Mexico Oceanic	SEC	10,528	0.04	0.5	105	0	0	N	Y
Fraser's dolphin	Northern Gulf of Mexico Oceanic	SEC	427	0.04	0.5	4.3	0	0	N	Y
Killer whale	Northern Gulf of Mexico Oceanic	SEC	90	0.04	0.5	0.9	0	0	N	Y
False killer whale	Northern Gulf of Mexico Oceanic	SEC	606	0.04	0.5	6.1	1	1	N	Y
Pygmy killer whale	Northern Gulf of Mexico Oceanic	SEC	256	0.04	0.5	2.6	0	0	N	Y
Dwarf sperm whale	Northern Gulf of Mexico Oceanic	SEC	584 ^g	0.04	0.5	5.8 ^g	0	0	N	Y
Pygmy sperm whale	Northern Gulf of Mexico Oceanic	SEC	584 ^g	0.04	0.5	5.8 ^g	0	0	N	Y
Melon-headed whale	Northern Gulf of Mexico Oceanic	SEC	2,238	0.04	0.5	22	0	0	N	Y
Risso's dolphin	Northern Gulf of Mexico Oceanic	SEC	1,668	0.04	0.5	17	0	0	N	Y
Pilot whale, short-finned ^d	Northern Gulf of Mexico Oceanic	SEC	1,628	0.04	0.5	16	0	0	N	Y

- a) The total estimated human-caused mortality and serious injury to right whales is estimated at 2.6 per year (USA waters, 1.6; Canadian waters, 1). This is derived from two components: 1) non-observed fishery entanglement records at 1.6 per year (USA waters, 0.8 ; Canadian waters, 0.8), and 2) ship strike records at 1.0 per year (USA waters, 0.8 ; Canadian waters, 0.2).
- b) The total estimated human-caused mortality and serious injury to the Gulf of Maine humpback whale stock is estimated as 3.8 per year (USA waters, 2.8; Canadian waters, 0.6; St. Vincent and the Grenadines, 0.4). This average is derived from three components: 1) incidental fishery interaction records 2.8 (USA waters, 2.2; Canadian waters, 0.6); 2) records of vessel collisions, 0.6 (USA waters, 0.6; Canadian waters, 0; and 3) direct takes from the Bequian harvest, 0.4).
- c) This is based on a review of NMFS records from 1999-2003, that yielded an average of 1.4 human caused mortality; 1.0 ship strikes (all USA waters) and 0.4 fishery interactions/entanglements (0.2 in USA waters and 0.2 in Bermudian waters).
- d) During 1999-2003, the USA total annual estimated average human-caused mortality is 3.2 minke whales per year. This is derived from three components: 0 minke whales per year (CV=0.0) from USA fisheries using observer data, 3.2 minke whales per year from USA fisheries using strandings and entanglement data, and 0 minke whales per year from ship strikes.
- e) This is derived from three components: 0 sperm whales per year (CV=unknown) from U.S. fisheries using observer data;, 0.2 sperm whales based on the 2000 stranding of a sperm whale off Florida which had fishing gear in its blow hole; and 0.2 sperm whales per year from ship strikes.
- f) This estimate may include both the dwarf and pygmy sperm whales.
- g) This estimate includes Cuvier's beaked whales and undifferentiated *Mesoplodon* spp. beaked whales.
- h) This is the average mortality of undifferentiated beaked whales (*Mesoplodon* spp.)
- i) This estimate may include both long-finned and short-finned pilot whales.
- j) Mortality data are not separated by species; therefore, species-specific estimates are not available. This mortality estimate represents both long-finned and short-finned pilot whales.
- k) Estimates may include sightings of the coastal form.
- l) 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.
- m) The total annual estimated average human-caused mortality is 473 (CV=.17) harbor porpoises per year. This is derived from four components: 417 harbor porpoise per year (CV=0.17) from USA fisheries using observer and MMAP data, 48 per year (unknown CV) from Canadian fisheries using observer data, 6.8 per year from USA unknown fisheries using strandings data, and 1.2 per year from unknown human-caused

mortality (a mutilated stranded harbor porpoise).

- n) The total estimated human caused annual mortality and serious injury to harp seals was 453,962. Estimated annual human caused mortality in US waters is 41, derived from two components: 1) 36 harp seals (CV=0.53) from the observed US fisheries and 4.6 from average 1999-2003 strandings mortalities resulting from human interactions. The remaining mortality is derived from five components: 1) 1999-2003 average catches of Northwest Atlantic harp seals by Canada, 232,915; 2) 1999-2002 (2003 unavailable) average Greenland Catch, 83,010; 3) average catches in the Canadian Arctic (4,881 in each year); 4) 1999-2002 (2003 unavailable) average bycatches in the Newfoundland lumpfish fishery, 18,566; and 5) the 1999-2002 (2003 unavailable) average struck and lost animals, 119,430.
- o) This is derived from two components: 1) 5,578 from 1999-2003 (1999 = 3,375; 2000 = 5,988; 2001 = 6,414; 2002 = 6,056¹; and 2003 = 6,056¹) average catches of Northwest Atlantic population of hooded seals by Canada and Greenland; and 2) 16 hooded seals (CV=1.14) from the observed U.S. fisheries; ¹(2000-2001 average Greenland catches).
- p) This estimate includes all *Mesoplodon spp.*
- q) This is the sum (24,707) of the minimum number of Atlantic spotted dolphins seen in the outer continental shelf (24,612) and the oceanic (95) regions combined, and the summed PBR. NOTE: The estimate (24,707) is slightly lower than the (24,752) given in this table and in the SAR text. The N_{best} and the N_{min} values in the SAR were calculated from the sum med estimates.
- r) This is the sum (1,442) of the minimum number of rough-toothed dolphins seen in the outer continental shelf (751) and the oceanic (691) regions combined, and the summed PBR. NOTE: The estimate (1,442) is slightly lower than the (1,595) given in this table and in the SAR text. The N_{best} and the N_{min} values in the SAR were calculated from the sum med estimates.
- s) This estimate includes dwarf sperm whales and pygmy sperm whales.
- t) This estimate includes all *Globicephala sp.*, though it is presumed that only short-finned pilot whales are present in the Gulf of Mexico.

