APPENDIX I.   Estimated serious injury and mortality (SI&M) of Western North Atlantic marine mammals listed by U.S. observed fisheries for 2002-2006. Marine mammal species with zero (0) observed SI&M during 2002 to 2006 are not shown in this table.

(tbd = to be determined; n/a = not available; unk = unknown; JV = Joint Venture).

Category, Fishery (estimated # of vessels/persons), Species	Yrs. observed	observer coverage	Est. SI by Year (CV)	Est. Mortality by Year (CV)	Mean Annual Mortality (CV)	PBR
CATEGORY I						
Gillnet Fisheries: Northeast gillnet (unk)						
Harbor porpoise - after Take Reduction Plan	2002-2006	.02, .03, .06, .07, .04		444 (.37), 592 (.33), 654(.36), 630(.23), 514(.31)	567 (.14)	610
White sided dolphin	2002-2006	.02, .03, .06. .07, .04		30 (.74), 31 (.93), 7(.98), 59(.49), 41(.71)	34 (.33)	509
Common dolphin	2002-2006	.02, .03, .06, .07, .04		0, 0, 0, 0, 26(.8), 20(1.05)	9 (.64)	1,000
Risso's dolphin	2002-2006	.02, .03, .06, .07, .04		0, 0, 0, 15 (.93), 0	3(.93)	129
Bottlenose dolphin (offshore)	2002-2006	.02, .03, .06, .07, .04		0, 0, 0, unk, unk	unk	566
Harbor seal	2002-2006	.02, .03, .06, .07, .04		787 (.32), 542 (.28), 792(.34), 719(.20), 87(.58)	585(.15)	2,746
Gray seal	2002-2006	.02, .03, .06, .07, .04		0(0), 242 (.47), 504(.34), 574(.44), 248(.47)	314(.22)	n/a
Harp seal	2002-2006	.02, .03, .06, .07, .04		0, 0, 303(.30), 35(.68), 65(.66)	80 (.31)	n/a
Hooded seal	2001-2005	.04, .02, .03, .06, .07		82(1.14), 0, 0, 43(.95), 0	25(.82)	n/a
Gillnet Fisheries:US Mid-Atlantic gillnet (unk)						
Harbor porpoise - after Take Reduction Plan	2002-2006	.01, .01, .02, .03, .04		unk, 76 (1.13), 137(.91), 470(.23), 511(.52)	299(.27)	610
Bottlenose dolphin (offshore)	2002-2006	.01, .01, .02, .03, .04		unk, 0, 0, unk, unk	unk	566
Harbor seal	2002-2006	.01, .01, .02, .03, .04		unk, 0, 15(.86), 63(.67), 26 (.98)	26 (.49)	2,746
Gray seal	2002-2006	.01, .01, .02, .03, .04		unk, 0, 69(.92), 0, 0	17 (.92)	n/a
Longline Fisheries: Pelagic longline (excluding NED-E)[a]						
Risso's dolphin	2002-2006	.05, .09, .09, .06, .07	8(1.0), 40(.63), 28(.72), 3(1.0), 0	20(.86), 0, 0, 0, 0	20 (.38)	124
Long and short-finned pilot whale	2002-2006	.05, .09, .09, .06, .07	52(.48), 21(.49), 74(.42), 212(.21), 169(.50)	2 (1.0), 0, 0, 0, 16 (1.0)	109 (.20)	249

Unidentified beaked whale	2002-2006	.05, .09, .09, .06, .07	0, 5.3(1.0), 0, 0, 0	0, 0, 0, 0, 0	1(1.0)	17
Longline Fisheries: Pelagic longline (NED-E area only)[a]						
Risso's dolphin	2002-2003	1.0, 1.0	3 (0), 0	0, 1 (0)	2 (0)	124
CATEGORY II						
Mid-Atlantic Mid-Water Trawl – Including Pair Trawl						
White-sided dolphin	2002-2006	.003, .018, .064, .084, .089	0, 0, 0, 0, 0	unk, 51(.46), 105(.38), 97(.76), 54(.57)	77(.21)	509
Long and short-finned pilot whale	2002-2006	.003, .018, .064, .084, .089	0, 0, 0, 0, 0	3.9(.46), 8.1(.38), 7.5(.76), 0	5(.34)	249
Trawl Fisheries:Northeast bottom trawl (unk)						
Harp seal	2002-2006	.03, .04, .05, .12, .06	0, 0, 0, 0, 0	0, 0, 0, unk, 0	unk	n/a
Harbor seal	2002-2006	.03, .04, .05, .12, .06	0, 0, 0, 0, 0	unk, 0, 0, unk, 0	unk	2,746
Gray Seal	2002-2006	.03, .04, .05, .12, .06	0, 0, 0, 0, 0	0, 0, 0, unk, 0	unk	n/a
Long and short-finned pilot whale [b]	2002-2006	.03, .04, .05, .12, .06	0, 0, 0, 0, 0	22(.26), 20(.26), 15(29) 15(.30), 14(.28)	17 (0.14)	249
Common dolphin [b]	2002-2006	.03, .04, .05, .12, .06	0, 0, 0, 0, 0	26(.29), 26(.29), 26(.29), 32(.28), 25(.28)	27 (.13)	1,000
White-sided dolphin [b]	2002-2006	.03, .04, .05, .12, .06	0, 0, 0, 0, 0	170(.32), 216(.27), 200(.30), 213(.28), 164(.35)	193 (0.13)	509
Minke whale	2002-2006	.03, .04, .05, .12, .06	0, 0, 0, 0, 0	unk	unk	19
Harbor porpoise	2002-2006	.03, .04, .05, .12, .06	0, 0, 0, 0, 0	0, unk, 0, unk, unk	unk	610
Mid-Atlantic Bottom Trawl						
White-sided dolphin [b]	2002-2006	.01, .01, .03, .03, .02	0, 0, 0, 0, 0	25(.17), 31(.25), 26(.20), 38(.29), 26(.25)	29 (.11)	509
Long and short-finned pilot whale [b]	2002-2006	.01, .01, .03, .03, .02	0, 0, 0, 0, 0	38(.36), 31(.31), 35(.33), 31(.31), 37(.34)	34(.15)	249
Common dolphin	2002-2006	.01, .01, .03, .03, .02	0, 0, 0, 0, 0	87(.27), 99(.28), 159(.30), 141(.29), 131(.28)	123 (.12)	1,000
Northeast Mid-Water Trawl Including Pair Trawl (25)						
Long and short-finned pilot whale	2002-2006	0, .031, .126, .199, .031	0, 0, 0, 0,0	unk, 1.9(.56), 1.4(.58), 1.1(.68), 0	1(.35)	249
White-sided dolphin	2002-2006	0, .031, .126, .199, .031	0, 0, 0,0 ,0	unk, 24(.56), 19(.58), 15(.31), 19(.44)	19(.26)	509
Gillnet Fisheries:SE U.S. Atlantic shark gillnet (12)						
Bottlenose dolphin (Central Florida, coastal)	2002-2006	1, .34, .43, 1, 1	0, 0, 0, 0, 0,	1(0), 2(.64), 1(.64), 0, 0	0.8(.36)	n/a

NOTES: The estimated number of vessels/participants is expressed in terms of the number of active participants in the fishery, when possible. If this information is not available, the estimated number of vessels or persons licensed for a particular fishery is provided. Beginning with the 2001 Stock Assessment Report, Canadian records were incorporated into the mortality and serious injury rates to

reflect the effective range of this stock.

a.   An experimental program to test effects of gear characteristics, environmental factors, and fishing practices on marine turtle bycatch rates in the Northeast Distant (NED-E) water component of the fishery was conducted from June 1, 2001 - December 31, 2003. Observer coverage was 100% during this experimental fishery. Summaries are provided for the pelagic longline EXCLUDING the NED-E area in one row and for ONLY the NED in the second row (Garrison 2003; Garrison and Richards 2004).

b.   A new method was used to develop preliminary estimates of mortality for the Mid-Atlantic and Northeast trawl fisheries for pilot whales, common dolphins and white-sided dolphins during 2000-2006. They are a product of bycatch rates predicted by covariates in a model framework and effort reported by commercial fishermen on mandatory vessel logbooks. This method differs from the previous method used to estimate mortality in these fisheries prior to 2000. Therefore, the estimates reported prior to 2000 can not be compared to estimates during 2000-2006.