

Table 3. 2010 harbor porpoise serious injury and mortality estimate in the New England sink gillnet fishery (NESG) and a National Marine Fisheries Service (NMFS) gillnet experiment.

Time-Area Strata	Takes	(Take/Ton)	Takes	(%)	C.I.
Winter (Jan-May)					
South of Cape Cod Port Group	6	0.069	141.60	43%	45-273
East of Cape Cod Port Group	5	0.117	99.98	81%	13-341
Midcoast Management Area	1	0.140	27.56	93%	1-125
Cape Cod South Management Area	1	0.031	27.03	129%	1-213
South of Cape Cod Hanging Ratio Study	1		1.00		
Subtotal	14		297.17	37%	127-528
Summer (Jun-Aug)					
Southern Maine Port Group (ASM missing pinger info)	2		2.00		
New Hampshire Port Group	1	0.016	10.49	100%	1-65
New Hampshire Port Group (ASM missing pinger info)	2		2.00		
North of Boston Port Group	1	0.006	8.60	98%	1-38
East of Cape Cod Port Group (ASM missing pinger info)	1		1.00		
Offshore Port Group (ASM missing pinger info)	1		1.00		
Subtotal	8		25.09	52%	8-71
Fall (Sep-Dec)					
Southern Maine Port Group	1	0.022	3.29	136%	1-19
North of Boston Port Group	2	0.024	7.89	62%	2-27
East of Cape Cod Port Group	1	0.009	2.96	85%	1-13
Offshore Port Group (ASM missing pinger info)	1		1.00		
Midcoast Management Area	15	0.051	43.85	23%	28-68
Stellwagen Bank Management Area	1	0.016	3.35	81%	1-15
Massachusetts Bay Management Area	1	0.024	2.81	80%	1-13
Subtotal	22		65.15	20%	45-95
2010 Total	44		387.41	27%	233-609

Table 4. 2010 gray seal serious injury and mortality estimate in the New England sink gillnet fishery (NESG) and a National Marine Fisheries Service (NMFS) gillnet experiment.

2010	Observed	Bycatch Rate	Estimated	C.V.	95%
Time-Area Strata	Takes	(Take/Ton)	Takes	(%)	C.I.
Winter (Jan-May)					
South of Cape Cod Port Group	21	0.241	494.58	61%	136-1716
East of Cape Cod Port Group	13	0.305	260.64	43%	122-582
Cape Cod South Management Area	2	0.175	152.58	81%	2-442
South of Cape Cod Hanging Ratio Study	13		13.00		
Subtotal	49		920.80	37%	464-1871
Summer (Jun-Aug)					
Southern Maine Port Group	1	0.013	2.81	84%	1-13
New Hampshire Port Group (ASM missing pinger info)	1		1.00		
North of Boston Port Group	1	0.003	4.30	83%	1-14
South of Boston Port Group (ASM missing pinger info)	1		1.00		
East of Cape Cod Port Group	29	0.071	172.40	30%	97-325
East of Cape Cod Port Group (ASM missing pinger info)	9		9.00		
Subtotal	42		190.51	28%	115-346
Fall (Sep-Dec)					
New Hampshire Port Group (ASM missing pinger info)	1		1.00		
East of Cape Cod Port Group	9	0.087	28.61	34%	15-52
East of Cape Cod Port Group (ASM missing pinger info)	1		1.00		
Midcoast Management Area	3	0.010	8.60	49%	3-20
Midcoast Management Area (ASM missing pinger info)	1		1.00		
Stellwagen Bank Management Area	1	0.016	3.35	80%	1-14
Subtotal	16		43.56	25%	27-68
2010 Total	107		1154.87	28%	695-1950

Table 5. 2010 harbor seal serious injury, non-serious injury, and mortality estimates in the New England sink gillnet fishery (NESG) and a National Marine Fisheries Service (NMFS) gillnet experiment.

2010	Observed	Bycatch Rate	Estimated	C.V.	95%
Time-Area Strata	Takes	(Take/Ton)	Takes	(%)	C.I.
Winter (Jan-May)					
South of Cape Cod Port Group	3	0.035	71.83	75%	3-250
East of Cape Cod Port Group	6	0.141	120.49	75%	15-388
Midcoast Management Area	1	0.262	51.58	97%	1-193
South of Cape Cod Hanging Ratio Study	1		1.00		
Subtotal	11		244.90	48%	69-525
Summer (Jun-Aug)					
Southern Maine Port Group	7	0.090	19.44	46%	7-47
Southern Maine Port Group (ASM missing pinger info)	3		3.00		
New Hampshire Port Group	2	0.031	20.32	71%	2-64
New Hampshire Port Group (ASM missing pinger info)	7		7.00		
North of Boston Port Group	1	0.006	8.60	100%	1-37
North of Boston Port Group (ASM missing pinger info)	3		3.00		
South of Boston Port Group	1	0.015	11.50	106%	1-62
Subtotal	24		72.86	31%	38-129
Fall (Sep-Dec)					
Southern Maine Port Group	1	0.022	3.29	126%	1-17
New Hampshire Port Group	2	0.119	6.89	90%	2-38
New Hampshire Port Group (ASM missing pinger info)	3		3.00		
North of Boston Port Group	1	0.012	3.94	92%	1-22
South of Cape Cod Port Group	1	0.032	17.98	112%	1-92
East of Cape Cod Port Group	7	0.066	21.70	36%	11-42
East of Cape Cod Port Group (ASM missing pinger info)	2		2.00		
Midcoast Management Area	9	0.031	26.65	34%	14-53
Midcoast Management Area (ASM missing pinger info)	1		1.00		
Stellwagen Bank Management Area	5	0.078	16.32	36%	8-32
Cape Cod South Management Area	3	0.939	113.49	69%	3-266
Southern New England Management Area	1	0.123	8.74	119%	1-79
Subtotal	36		225.00	32%	135-397
2010 Total	71		542.76*	25%	316-833

* The bycatch estimate of 543 harbor seals includes 540 (CV = 25%) mortalities and serious injuries and an estimated 3 harbor seals with non-serious injuries

Table 6. 2010 harp seal serious injury and mortality estimate in the New England sink gillnet fishery (NESG) and a National Marine Fisheries Service (NMFS) gillnet experiment.

2010	Observed	Bycatch Rate	Estimated	C.V.	95%
Time-Area Strata	Takes	(Take/Ton)	Takes	(%)	C.I.
Winter (Jan-May)					
South of Cape Cod Port Group	5	0.059	121.08	80%	5-500
Offshore Management Area	1	0.018	4.89	74%	1-16
Cape Cod South Management Area	1	0.144	125.56	98%	1-475
South of Cape Cod Hanging Ratio Study	1		1.00		
Subtotal	8		252.52	61%	57-711
Summer (Jun-Aug)					
Subtotal	0		0.00		
Fall (Sep-Dec)					
Subtotal	0		0.00		
2010 Total	8		252.52	61%	57-711

Table 7. 2010 white-sided dolphin serious injury and mortality estimate in the New England sink gillnet fishery (NESG).

2010	Observed	Bycatch Rate	Estimated	C.V.	95%
Time-Area Strata	Takes	(Take/Ton)	Takes	(%)	C.I.
Winter (Jan-May)					
North of Boston Port Group	1	0.044	50.28	126%	1-285
Subtotal	1		50.28	126%	1-285
Summer (Jun-Aug)					
Southern Maine Port Group (ASM missing pinger info)	1		1.00		
New Hampshire Port Group	1	0.016	10.49	98%	1-61
North of Boston Port Group (ASM missing pinger info)	1		1.00		
South of Boston Port Group (ASM missing pinger info)	1		1.00		
Subtotal	4		13.49	77%	4-64
Fall (Sep-Dec)					
Midcoast Management Area	1	0.003	2.58	93%	1-12
Subtotal	1		2.58	93%	1-12
2010 Total	6*		66.35**	90%	10-305

* Includes 1 serious injury

** The bycatch estimate of 66 white-sided dolphins includes an estimated 62 mortalities and 4 serious injuries

Table 8. 2010 common dolphin serious injury and mortality estimate in the New England sink gillnet fishery (NESG) and a National Marine Fisheries Service (NMFS) gillnet experiment.

2010	Observed	Bycatch Rate	Estimated	C.V.	95%
Time-Area Strata	Takes	(Take/Ton)	Takes	(%)	C.I.
Winter (Jan-May)					
Cape Cod South Management Area	1	0.031	27.03	126%	1-204
Subtotal	1		27.03	126%	1-204
Summer (Jun-Aug)					
South Of Cape Cod Port Group (ASM missing pinger info)	1		1.00		
Subtotal	1		1.00		
Fall (Sep-Dec)					
East Of Cape Cod Port Group	1	0.009	2.96	79%	1-11
Cape Cod South Management Area	1	0.313	37.83	125%	1-133
Subtotal	2		40.79	116%	2-139
2010 Total	4		68.82	81%	5-222

Table 9. 2010 pilot whale serious injury and mortality estimate in the New England sink gillnet fishery (NESG) and a National Marine Fisheries Service (NMFS) gillnet experiment.

2010	Observed	Bycatch Rate	Estimated	C.V.	95%
Time-Area Strata	Takes	(Take/Ton)	Takes	(%)	C.I.
Winter (Jan-May)					
Subtotal	0		0.00		
Summer (Jun-Aug)					
Subtotal	0		0.00		
Fall (Sep-Dec)					
Stellwagen Bank	1	0.016	3.35	80%	1-17
Subtotal	1		3.35	80%	1-17
2010 Total	1		3.35	80%	1-17