

Appendix Table 1. Number of Northeast Fisheries Observer Program (NEFOP) and Vessel Trip Report (VTR) trips, by fleet and calendar quarter (Q) from July 2007 through June 2008 (SBRM 2009). "P" indicates fleets for which pilot coverage was assigned.

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	NEFOP Fish set					NEFOP Protected Species set					VTR set					Pilot
						Q3	Q4	Q1	Q2	TOTAL	Q3	Q4	Q1	Q2	TOTAL	Q3	Q4	Q1	Q2	TOTAL	
1	Longline	OPEN	all	MA	all	1	1	.	1	3	1	1	.	1	3	28	37	36	31	132	P
2	Longline	OPEN	all	NE	all	10	56	10	16	92	10	56	10	16	92	140	226	577	133	1,076	
3	Hand Line	OPEN	all	MA	all	.	.	.	.	.	1	.	.	.	1	1,625	894	181	884	3,584	P
4	Hand Line	OPEN	all	NE	all	.	.	.	3	3	.	.	.	3	3	1,267	276	197	354	2,094	P
5	Otter Trawl	OPEN	all	MA	sm	76	41	33	37	187	76	42	33	37	188	1,082	1,307	666	1,096	4,151	
6	Otter Trawl	OPEN	all	MA	lg	78	31	17	42	168	78	33	17	42	170	1,988	1,065	1,187	1,850	6,090	
7	Otter Trawl	OPEN	all	NE	sm	33	12	8	14	67	33	12	8	14	67	1,193	801	671	991	3,656	
8	Otter Trawl	OPEN	all	NE	lg	165	164	170	173	672	165	164	172	173	674	3,202	2,706	2,984	2,500	11,392	
9	Scallop Trawl	AA	GEN	MA	all	.	.	2	3	5	.	.	2	3	5	40	17	26	10	93	P
10	Scallop Trawl	AA	LIM	MA	all	.	.	1	1	2	.	.	1	1	2	.	1	6	7	14	P
11	Scallop Trawl	OPEN	GEN	MA	all	.	.	.	10	10	.	.	.	10	10	380	60	53	311	804	P
12	Scallop Trawl	OPEN	LIM	MA	all	.	.	.	.	.	.	.	.	.	.	35	36	6	7	84	P
13	Shrimp Trawl	OPEN	all	MA	all	.	.	.	.	.	.	.	.	.	.	293	346	37	186	862	P
14	Shrimp Trawl	OPEN	all	NE	all	.	.	16	.	16	.	.	16	.	16	19	363	2,252	72	2,706	
15	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	11	3	.	1	15	111	100	37	65	313	786	478	275	421	1,960	
16	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	3	7	.	2	12	16	28	16	19	79	158	322	135	224	839	
17	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	.	10	12	11	33	.	44	31	45	120	148	1,088	516	1,154	2,906	
18	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	.	.	.	3	3	.	.	.	3	3	68	4	3	5	80	P
19	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	47	44	23	36	150	75	106	95	50	326	2,756	2,115	1,770	1,506	8,147	
20	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	86	48	11	28	173	96	69	35	46	246	1,249	927	385	1,118	3,679	
21	Purse Seine	OPEN	all	MA	all	.	1	.	.	1	.	1	.	.	1	144	32	.	51	227	P
22	Purse Seine	OPEN	all	NE	all	8	2	.	10	20	8	2	.	12	22	231	62	.	50	343	
23	Scallop Dredge	AA	GEN	MA	all	2	3	68	79	152	2	3	68	79	152	86	40	330	460	916	
24	Scallop Dredge	AA	GEN	NE	all	29	.	.	46	75	29	.	.	46	75	120	5	2	63	190	
25	Scallop Dredge	AA	LIM	MA	all	18	7	16	29	70	18	7	16	29	70	77	70	93	169	409	
26	Scallop Dredge	AA	LIM	NE	all	34	26	27	40	127	34	26	27	40	127	117	51	49	96	313	
27	Scallop Dredge	OPEN	GEN	MA	all	9	7	2	7	25	9	7	2	8	26	2,887	1,477	1,667	2,648	8,679	
28	Scallop Dredge	OPEN	GEN	NE	all	6	1	2	1	10	6	1	2	1	10	1,400	584	559	1,012	3,555	
29	Scallop Dredge	OPEN	LIM	MA	all	13	11	6	19	49	13	11	6	19	49	344	266	281	452	1,343	
30	Scallop Dredge	OPEN	LIM	NE	all	23	11	19	24	77	23	11	19	24	77	570	345	291	431	1,637	
31	Mid-water Paired & Single Trawl	OPEN	all	MA	all	.	.	1	.	1	.	.	3	.	3	.	.	41	3	44	P
32	Mid-water Paired & Single Trawl	OPEN	all	NE	all	.	9	23	14	46	1	9	24	15	49	2	105	133	62	302	
33	Pots and Traps, Fish	OPEN	all	MA	all	.	.	.	2	2	.	.	.	2	2	429	419	74	361	1,283	P
34	Pots and Traps, Fish	OPEN	all	NE	all	.	.	.	1	1	.	.	.	1	1	515	179	.	154	848	P
35	Pots and Traps, Conch	OPEN	all	MA	all	.	.	.	.	.	.	.	.	1	1	89	287	129	136	641	P
36	Pots and Traps, Conch	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	272	238	.	169	679	P
37	Pots and Traps, Hagfish	OPEN	all	MA	all	1	.	1	1	3	1	.	1	1	3	9	.	5	9	23	P
38	Pots and Traps, Hagfish	OPEN	all	NE	all	.	.	2	5	7	.	.	2	5	7	66	36	19	36	157	
39	Pots and Traps, Lobster	OPEN	all	MA	all	.	.	.	.	.	.	.	.	.	.	1,327	535	232	715	2,809	P
40	Pots and Traps, Lobster	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	13,437	9,344	2,298	4,135	29,214	P
41	Pots and Traps, Crab	OPEN	all	MA	all	.	.	.	1	1	.	.	.	1	1	64	34	17	11	126	P
42	Pots and Traps, Crab	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	51	18	5	32	106	P
43	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	.	.	.	.	.	.	.	.	.	.	1,040	850	844	991	3,725	P
44	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	920	514	472	838	2,744	P
					Total	653	495	470	660	2,278	806	733	643	812	2,994	40,654	28,560	19,504	25,944	114,662	

Appendix Table 2. Number of Northeast Fisheries Observer Program (NEFOP) and Vessel Trip Report (VTR) sea days, by fleet and calendar quarter (Q) from July 2007 through June 2008 (SBRM 2009). "P" indicates fleets for which pilot coverage was assigned.

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	NEFOP Fish set					NEFOP Protected Species set					VTR set					Pilot
						Q3	Q4	Q1	Q2	TOTAL	Q3	Q4	Q1	Q2	TOTAL	Q3	Q4	Q1	Q2	TOTAL	
1	Longline	OPEN	all	MA	all	10	13	.	12	35	10	13	.	12	35	228	288	389	286	1191	P
2	Longline	OPEN	all	NE	all	10	80	10	39	139	10	80	10	39	139	208	356	672	272	1,508	
3	Hand Line	OPEN	all	MA	all	.	.	.	.	.	1	.	.	.	1	1,881	999	184	916	3,980	P
4	Hand Line	OPEN	all	NE	all	.	.	.	11	11	.	.	.	11	11	1,350	303	197	367	2,217	P
5	Otter Trawl	OPEN	all	MA	sm	140	114	165	65	484	140	119	165	65	489	2,011	2,631	2509	1,713	8,864	
6	Otter Trawl	OPEN	all	MA	lg	115	67	68	67	317	115	73	68	67	323	3,018	1,797	3,905	2,811	11,531	
7	Otter Trawl	OPEN	all	NE	sm	63	24	48	28	163	63	24	48	28	163	2,138	1952	2605	1908	8,603	
8	Otter Trawl	OPEN	all	NE	lg	808	872	865	1052	3597	808	872	870	1052	3602	7,531	6,606	7,056	6,643	27,836	
9	Scallop Trawl	AA	GEN	MA	all	.	.	4	7	11	.	.	4	7	11	83	42	60	21	206	P
10	Scallop Trawl	AA	LIM	MA	all	.	.	5	4	9	.	.	5	4	9	.	4	37	37	78	P
11	Scallop Trawl	OPEN	GEN	MA	all	.	.	.	20	20	.	.	.	20	20	700	118	113	634	1565	P
12	Scallop Trawl	OPEN	LIM	MA	all	.	.	.	.	.	.	.	.	.	.	241	260	66	50	617	P
13	Shrimp Trawl	OPEN	all	MA	all	.	.	.	.	.	.	.	.	.	.	1408	1610	123	501	3642	P
14	Shrimp Trawl	OPEN	all	NE	all	.	.	16	.	16	.	.	16	.	16	19	365	2,291	118	2,793	
15	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	11	3	.	1	15	111	104	37	68	320	811	496	292	431	2,030	
16	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	3	7	.	3	13	16	28	16	20	80	158	325	153	248	884	
17	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	.	12	12	11	35	.	55	34	52	141	170	1,492	719	1,564	3,945	
18	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	.	.	.	3	3	.	.	3	3	68	4	3	5	80	P	
19	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	51	65	42	75	233	79	133	135	91	438	3,062	2,352	2,056	1,854	9,324	
20	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	94	77	36	50	257	107	104	90	87	388	1,483	1,221	829	1,957	5,490	
21	Purse Seine	OPEN	all	MA	all	.	1	.	.	1	.	1	.	1	157	32	.	63	252	P	
22	Purse Seine	OPEN	all	NE	all	19	4	.	23	46	19	4	.	27	50	502	131	.	126	759	
23	Scallop Dredge	AA	GEN	MA	all	6	9	136	167	318	6	9	136	167	318	119	67	567	750	1503	
24	Scallop Dredge	AA	GEN	NE	all	66	.	.	117	183	66	.	.	117	183	187	10	6	126	329	
25	Scallop Dredge	AA	LIM	MA	all	145	48	123	216	532	145	48	123	216	532	671	570	629	1361	3231	
26	Scallop Dredge	AA	LIM	NE	all	256	241	224	365	1086	256	241	224	365	1086	867	454	446	811	2578	
27	Scallop Dredge	OPEN	GEN	MA	all	14	10	6	9	39	14	10	6	12	42	4,166	2,450	2,893	3,995	13,504	
28	Scallop Dredge	OPEN	GEN	NE	all	12	1	5	2	20	12	1	5	2	20	2,269	1004	745	1,696	5,714	
29	Scallop Dredge	OPEN	LIM	MA	all	126	75	64	159	424	126	75	64	159	424	3230	2294	2195	3981	11,700	
30	Scallop Dredge	OPEN	LIM	NE	all	266	141	198	313	918	266	141	198	313	918	5917	3482	2898	4472	16,769	
31	Mid-water Paired & Single Trawl	OPEN	all	MA	all	.	.	5	.	5	.	.	11	.	11	.	.	200	26	226	P
32	Mid-water Paired & Single Trawl	OPEN	all	NE	all	.	39	111	52	202	4	39	119	54	216	8	353	599	259	1219	
33	Pots and Traps, Fish	OPEN	all	MA	all	.	.	.	2	2	.	.	.	2	2	443	431	77	369	1,320	P
34	Pots and Traps, Fish	OPEN	all	NE	all	.	.	.	1	1	.	.	.	1	1	526	188	.	156	870	P
35	Pots and Traps, Conch	OPEN	all	MA	all	.	.	.	.	.	.	.	.	1	1	89	301	129	136	655	P
36	Pots and Traps, Conch	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	287	238	.	169	694	P
37	Pots and Traps, Hagfish	OPEN	all	MA	all	6	.	8	9	23	6	.	8	9	23	80	.	72	109	261	P
38	Pots and Traps, Hagfish	OPEN	all	NE	all	.	.	7	14	21	.	.	7	14	21	203	130	109	208	650	
39	Pots and Traps, Lobster	OPEN	all	MA	all	.	.	.	.	.	.	.	.	.	.	1,562	724	291	866	3,443	P
40	Pots and Traps, Lobster	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	15,835	11,445	3,789	5,705	36,774	P
41	Pots and Traps, Crab	OPEN	all	MA	all	.	.	.	4	4	.	.	.	4	4	64	83	51	33	231	P
42	Pots and Traps, Crab	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	159	144	55	39	397	P
43	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	.	.	.	.	.	.	.	.	.	.	1,590	1343	1417	1771	6,122	P
44	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	.	.	.	.	.	.	.	.	.	.	810	468	385	656	2,318	P
					Total	2221	1903	2158	2901	9,183	2380	2174	2399	3089	10,042	66,309	49,563	41,812	50,219	207,903	

Appendix Table 3. The number of sea days needed to achieve a 30% CV based on the variance of the total composite discard for each the 15 SBRM species groups, and 2009 SBRM standard sea days (the maximum number of sea days needed for each fleet) based on July 2007 through June 2008 data (SBRM 2009). Red font indicates basis for fleet sea days; species group abbreviation are given in Table 1. “P” indicates fleets for which pilot coverage was assigned. * indicates that pilot days were used to maintain fleet coverage.

Row	Gear Type	Access Area	Trip Category	Region	Mesh Group	BLUE	HERR	SAL	RCRAB	SCAL	SBM	MONK	GFL	GFS	SKATE	DOG	FSB	SCOQ	TILE	TURS	2009 SBRM Sea Day Standard	Pilot
1	Longline	OPEN	all	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108	108	P
2	Longline	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	456	0	0	0	31	456	
3	Hand Line	OPEN	all	MA	all	0	0	0	0	0	0	0	80	0	0	0	0	0	0	80	80	P
4	Hand Line	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	44	P
5	Otter Trawl	OPEN	all	MA	sm	0	0	0	0	0	0	623	0	1,242	294	623	456	0	0	1,495	1,495	
6	Otter Trawl	OPEN	all	MA	lg	0	0	0	0	0	0	0	651	0	106	282	272	0	0	1,459	1,459	
7	Otter Trawl	OPEN	all	NE	sm	0	0	0	0	0	303	0	961	249	1,408	1,448	4,027	0	0	172	4,027	
8	Otter Trawl	OPEN	all	NE	lg	0	0	0	0	0	0	107	74	1,233	56	224	215	0	0	557	1,233	
9	Scallop Trawl	AA	GEN	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	27	P
10	Scallop Trawl	AA	LIM	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	46	P
11	Scallop Trawl	OPEN	GEN	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39	39	P
12	Scallop Trawl	OPEN	LIM	MA	all	97	0	0	0	97	97	97	97	97	97	97	97	0	0	97	97	P
13	Shrimp Trawl	OPEN	all	MA	all	0	80	0	0	0	80	80	80	80	80	0	80	0	0	80	80	P
14	Shrimp Trawl	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61	61	
15	Sink, Anchor, Drift Gillnet	OPEN	all	MA	sm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,155	1,155	
16	Sink, Anchor, Drift Gillnet	OPEN	all	MA	lg	0	0	0	0	0	0	0	0	0	0	139	0	0	0	18	139	
17	Sink, Anchor, Drift Gillnet	OPEN	all	MA	xlg	0	0	0	0	0	0	0	0	0	0	67	0	0	0	1,273	1,273	
18	Sink, Anchor, Drift Gillnet	OPEN	all	NE	sm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	12	P
19	Sink, Anchor, Drift Gillnet	OPEN	all	NE	lg	0	0	0	0	0	0	0	60	0	0	51	0	0	0	187	187	
20	Sink, Anchor, Drift Gillnet	OPEN	all	NE	xlg	0	0	0	0	0	0	171	0	0	0	113	0	0	0	110	171	
21	Purse Seine	OPEN	all	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	P
22	Purse Seine	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	
23	Scallop Dredge	AA	GEN	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	*
24	Scallop Dredge	AA	GEN	NE	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	*
25	Scallop Dredge	AA	LIM	MA	all	0	0	0	0	0	0	271	0	0	0	0	0	0	0	0	271	
26	Scallop Dredge	AA	LIM	NE	all	0	0	0	0	0	0	233	0	0	0	0	0	0	0	0	233	
27	Scallop Dredge	OPEN	GEN	MA	all	0	0	0	0	0	0	167	0	0	19	0	0	0	0	0	167	
28	Scallop Dredge	OPEN	GEN	NE	all	0	0	0	0	0	0	0	0	0	43	0	0	0	0	0	43	
29	Scallop Dredge	OPEN	LIM	MA	all	0	0	0	0	0	0	269	0	0	125	398	329	0	0	0	398	
30	Scallop Dredge	OPEN	LIM	NE	all	0	0	0	0	0	0	198	116	0	102	0	254	0	0	0	254	
31	Mid-water Paired & Single Trawl	OPEN	all	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	41	P
32	Mid-water Paired & Single Trawl	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	433	0	0	0	48	433	
33	Pots and Traps, Fish	OPEN	all	MA	all	0	0	0	0	0	0	0	0	0	0	0	26	0	0	28	28	P
34	Pots and Traps, Fish	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17	P
35	Pots and Traps, Conch	OPEN	all	MA	all	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	P
36	Pots and Traps, Conch	OPEN	all	NE	all	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	P
37	Pots and Traps, Hagfish	OPEN	all	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106	106	P
38	Pots and Traps, Hagfish	OPEN	all	NE	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	55	
39	Pots and Traps, Lobster	OPEN	all	MA	all	0	0	0	69	0	0	0	69	0	0	0	0	0	0	69	69	P
40	Pots and Traps, Lobster	OPEN	all	NE	all	0	0	0	430	0	0	0	430	0	0	0	0	0	0	430	430	P
41	Pots and Traps, Crab	OPEN	all	MA	all	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	28	P
42	Pots and Traps, Crab	OPEN	all	NE	all	0	0	0	70	0	0	0	0	0	0	0	0	0	0	70	70	P
43	Ocean Quahog/Surf Clam Dredge	OPEN	all	MA	all	0	0	0	0	122	0	122	0	0	0	0	0	122	0	122	122	P
44	Ocean Quahog/Surf Clam Dredge	OPEN	all	NE	all	0	0	0	0	46	0	46	0	0	0	0	0	46	0	46	46	P
Total						126	109	29	598	295	509	2,413	2,648	2,930	2,358	4,359	5,784	198	29	8,175	15,125	