

Supplementary Table 1. Sampling effort, measured as number of trawl tows, by year in each shrimp statistical zone (SSZ) during the summer groundfish trawl surveys conducted in 2000–2019 as part of the Southeast Area Monitoring and Assessment Program (SEAMAP). Defined by the National Marine Fisheries Service, these SSZ were used in the stratified random sampling design of the SEAMAP trawl surveys.

Year	SSZ									
	11	13	14	15	16	17	18	19	20	21
2000	47	12	27	24	31	35	8	36	37	24
2001	36	15	25	31	18	3	10	9	18	23
2002	45	13	35	22	35	23	18	32	33	27
2003	44	16	26	8	2	19	23	25	26	31
2004	36	20	31	25	27	29	25	23	27	26
2005	26	9	9	23	16	21	5	30	27	33
2006	46	17	29	17	22	37	25	27	40	18
2007	27	12	12	25	32	27	7	37	40	26
2008	49	24	22	34	33	35	24	28	29	34
2009	66	25	20	36	39	46	53	33	29	23
2010	22	5	30	15	23	37	34	27	27	19
2011	16	7	14	17	24	29	29	18	21	13
2012	16	7	14	18	25	30	28	20	20	15
2013	14	5	12	15	23	23	22	17	17	12
2014	17	5	15	18	22	29	23	18	18	14
2015	16	6	16	18	20	29	27	20	20	13
2016	16	6	17	16	22	33	23	19	18	14
2017	17	7	13	13	23	26	24	19	19	14
2018	14	6	12	14	21	28	19	11	11	14
2019	14	3	13	13	23	27	23	18	20	12

Supplementary Table 2. Sampling effort, measured as number of trawl tows, by year in each shrimp statistical zone (SSZ) during the fall groundfish trawl surveys conducted in 2000–2019 as part of the Southeast Area Monitoring and Assessment Program (SEAMAP). Defined by the National Marine Fisheries Service, these SSZ were used in the stratified random sampling design of the SEAMAP trawl surveys.

Year	SSZ									
	11	13	14	15	16	17	18	19	20	21
2000	43	32	29	34	26	34	20	33	29	24
2001	78	16	33	27	38	25	22	35	34	29
2002	52	16	27	30	26	32	17	35	34	23
2003	75	21	20	23	30	32	29	24	27	27
2004	34	6	23	28	23	40	24	25	34	27
2005	48	21	32	24	51	30	20	28	32	32
2006	51	8	20	14	18	35	20	27	37	21
2007	32	16	30	31	23	36	22	24	22	29
2008	45	17	28	34	41	46	44	19	36	20
2009	46	11	24	23	30	49	47	31	36	22
2010	16	7	15	18	26	30	29	18	19	14
2011	15	6	15	16	27	31	28	21	19	15
2012	12	5	11	13	19	22	22	13	15	11
2013	10	5	11	9	3	12	16	12	14	9
2014	16	5	13	14	22	27	22	15	17	12
2015	16	6	13	13	20	27	21	16	17	12
2016	8	4	11	11	18	22	17	13	13	8
2017	15	6	9	12	22	25	22	15	18	14
2018	13	5	12	17	21	26	22	13	15	14
2019	12	4	10	13	20	25	22	16	16	12