FISHERMEN'S REPORT

National Marine Fisheries Service
Northeast Fisheries Science Center

Spring Bottom Trawl Survey
Preliminary Catch Summary
Cape Hatteras - Gulf of Maine
March 1 - April 22, 1999

Attached is a listing and series of geographical plots of commercially and recreationally important species caught during the Northeast Fisheries Science Center's 1999 spring bottom trawl survey aboard the *R/V ALBATROSS IV*. Tows were made with a #36 Yankee otter trawl rigged with rollers, 5 fathom legs and 1000 pound polyvalent doors. The codend and upper belly were lined with 1/2-inch mesh to retain young-of-the-year fish.

Because of the 30-minute tow duration, and random selection of station locations, catches can be light compared with commercial tows. Also, vessel operations are on a 24-hour basis and catches have not been adjusted for day/night catchability differences. Nevertheless, these data can provide fishermen with useful information about the distribution and relative abundance of species inhabiting the survey area (Cape Hatteras to the Gulf of Maine).

In an effort to make this report timely, the data are summarized from unaudited catch files. Therefore, data records in this report are provisional and subject to change.

For further information contact Tom Azarovitz or Linda Despres, Ecosystem Surveys Branch, National Marine Fisheries Service, Northeast Fisheries Science Center, 166 Water Street, Woods Hole, MA 02543-1097.

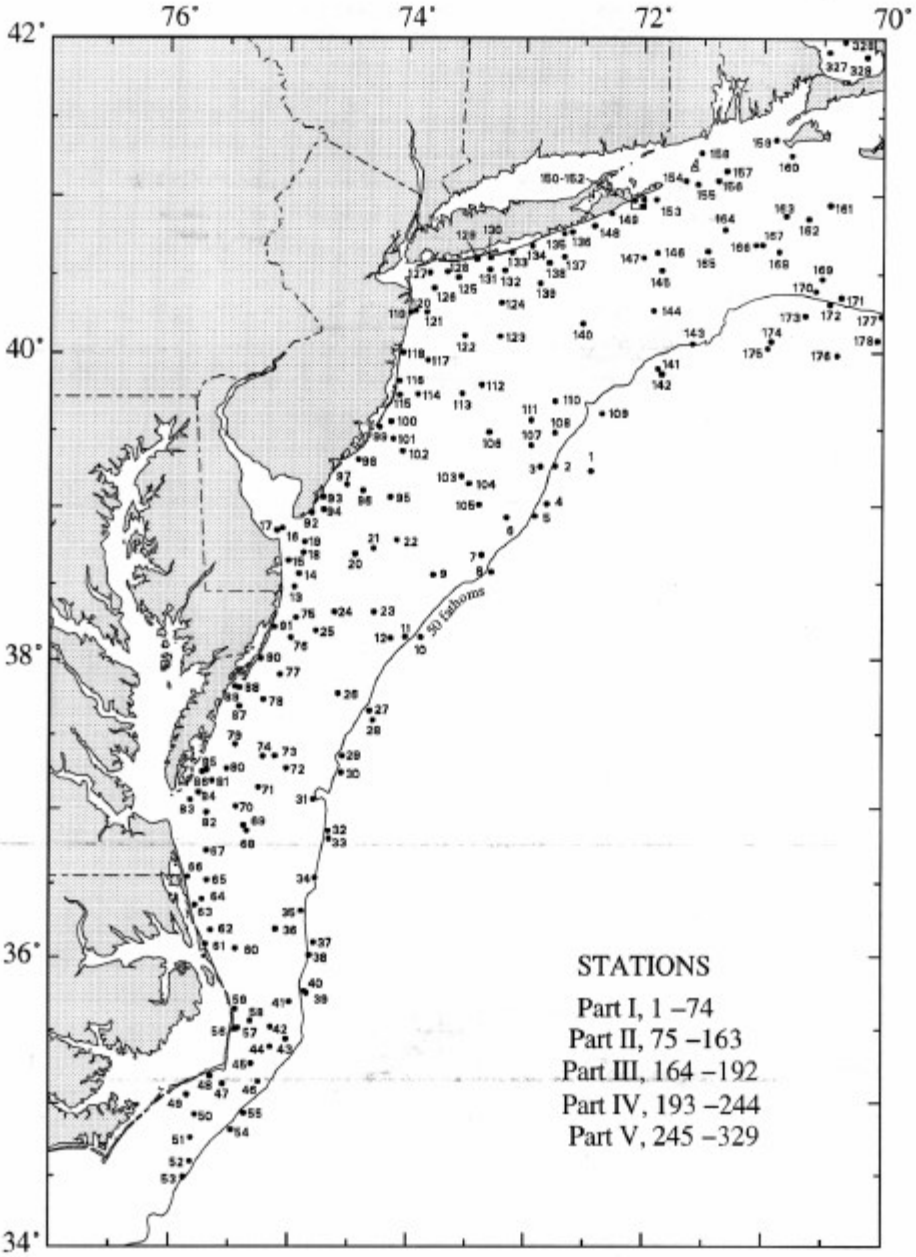

Figure 1. Trawl hauls made from the R/V ALBATROSS IV, during National Marine Fisheries Service, Northeast Fisheries Science Center spring bottom trawl survey (99–03), March 1 – April 22, 1999.

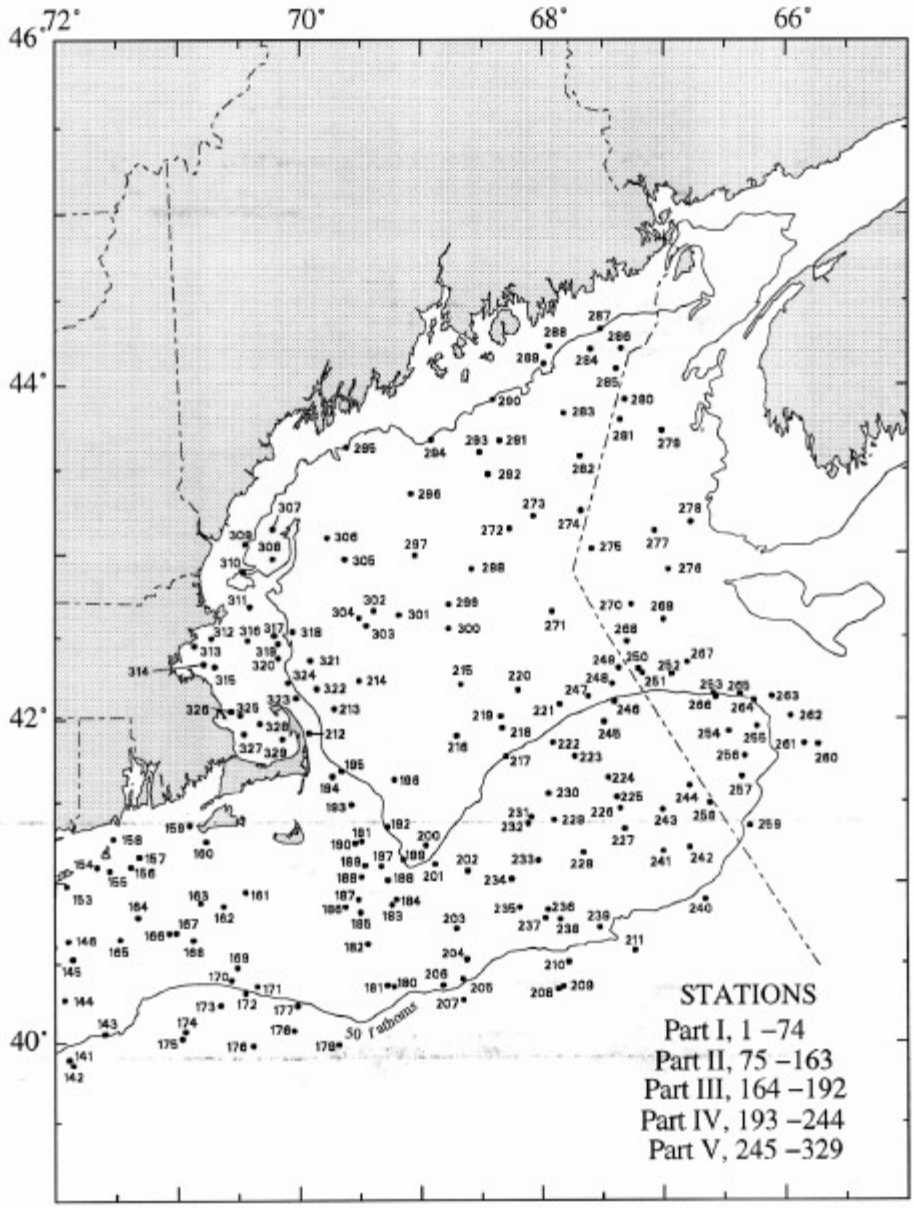

Figure 2. Trawl hauls made from the R/V ALBATROSS IV, during National Marine Fisheries Service, Northeast Fisheries Science Center spring bottom trawl survey (99–03), March 1 – April 22, 1999.

Map 2 of 2

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0001	Mar-02	1532	3900.1	7226.7	X26213.3	Y42827.2	249	120.6	51.4
0002	Mar-02	1825	3915.9	7244.9	X26331.8	Y42972.1	214	53.3	54.9
0003	Mar-02	2001	3915.6	7252.4	X26380.7	Y42970.0	184	43.5	53.6
0004	Mar-02	2216	3901.1	7249.2	X26353.4	Y42832.0	210	64.0	55.9
0005	Mar-02	2341	3856.4	7255.1	X26388.5	Y42785.2	247	55.5	55.2
0006	Mar-03	0137	3855.8	7309.5	X26477.8	Y42775.2	221	43.7	54.5
0007	Mar-03	0409	3841.1	7322.1	X26543.3	Y42625.2	138	42.1	53.8
0008	Mar-03	0615	3834.5	7317.1	X26508.9	Y42562.2	212	64.2	57.2
0009	Mar-03	0937	3833.3	7346.7	X26679.7	Y42531.1	226	32.3	50.7
0010	Mar-03	1307	3808.7	7353.0	X26687.6	Y42271.0	194	62.3	54.5
0011	Mar-03	1452	3808.8	7400.9	X26730.2	Y42264.1	009	36.6	54.7
0012	Mar-03	1636	3808.3	7408.3	X26769.5	Y42250.7	191	37.5	52.3
0013	Mar-03	2226	3828.7	7457.1	X27066.3	Y42425.9	201	7.4	41.9
0014	Mar-04	0007	3833.9	7454.9	X27065.6	Y42485.8	013	8.5	41.4
0015	Mar-04	0229	3839.1	7500.2	X27105.7	Y42540.1	161	6.0	41.2
0016	Mar-04	0631	3851.7	7503.2	X27152.6	Y42681.4	005	7.7	40.3
0017	Mar-04	2214	3851.5	7503.9	X27155.6	Y42678.2	005	10.7	40.3
0018	Mar-05	0039	3842.1	7452.6	X27070.9	Y42579.4	144	13.1	41.9
0019	Mar-05	0229	3846.2	7452.0	X27076.5	Y42627.0	004	5.7	40.8
0020	Mar-05	0521	3841.7	7426.4	X26921.8	Y42592.7	074	16.7	43.0
0021	Mar-05	0643	3843.8	7400.2	X26772.4	Y42631.4	075	22.7	46.0
0022	Mar-05	0831	3847.0	7405.2	X26807.4	Y42663.1	161	26.0	49.8
0023	Mar-05	1209	3818.7	7416.7	X26829.4	Y42353.1	279	24.6	46.9
0024	Mar-05	1428	3818.8	7436.7	X26937.9	Y42334.4	223	18.0	43.3
0025	Mar-05	1605	3811.3	7446.2	X26974.6	Y42242.6	166	16.4	42.6
0026	Mar-05	1928	3746.2	7434.8	X26876.6	Y41982.5	216	30.6	55.9
0027	Mar-05	2209	3739.3	7418.9	X26788.1	Y41931.4	215	68.6	53.6
0028	Mar-05	2359	3735.5	7417.1	X26775.3	Y41894.4	220	109.6	51.6
0029	Mar-06	0246	3721.2	7432.7	X26833.1	Y41718.3	177	53.3	56.8
0030	Mar-06	0435	3714.5	7433.1	X26826.9	Y41647.4	012	62.6	57.0
0031	Mar-06	0719	3703.8	7447.3	X26878.6	Y41506.6	196	35.0	56.5
0032	Mar-06	0927	3651.1	7439.6	X26829.3	Y41390.0	178	83.1	
0033	Mar-06	1057	3647.9	7439.2	X26824.2	Y41357.7	174	164.0	51.6
0034	Mar-06	1351	3632.2	7446.3	X26837.4	Y41179.7	001	45.9	55.9
0035	Mar-06	1652	3618.7	7453.0	X26850.9	Y41026.2	193	32.8	56.7
0036	Mar-06	1908	3611.4	7506.1	X26895.1	Y40915.8		21.3	56.1
0037	Mar-06	2151	3600.1	7446.9	X26808.2	Y40858.7	182	139.7	49.8
0038	Mar-06	2330	3600.8	7449.0	X26817.1	Y40859.6	196	61.8	56.1
0039	Mar-07	0303	3545.3	7450.4	X26808.3	Y40707.5	339	125.8	50.9
0040	Mar-07	0620	3546.0	7451.7	X26813.8	Y40710.0	342	64.8	56.8
0041	Mar-07	1719	3541.7	7459.1	X26837.9	Y40645.2	330	25.7	61.2
0042	Mar-07	2021	3531.3	7508.6	X26863.4	Y40516.2	336	18.0	59.2
0043	Mar-07	2258	3526.2	7500.8	X26830.3	Y40496.3	357	20.5	60.8
0044	Mar-08	0205	3523.1	7508.7	X26856.3	Y40440.1	353	15.6	59.5
0045	Mar-08	0522	3516.3	7518.4	X26884.4	Y40342.9	358	11.8	57.0
0046	Mar-08	0754	3508.8	7514.8	X26864.8	Y40289.9	348	18.0	62.1
0047	Mar-08	1056	3508.0	7532.8	X26926.7	Y40213.7	284	9.8	53.0
0048	Mar-08	1328	3511.2	7500.4	X26816.1	Y40364.7	236	8.7	55.0

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0049	Mar-08	1515	3503.5	7550.8	X26983.7	Y40102.6	185	12.0	58.8
0050	Mar-08	1646	3455.4	7546.6	X26961.2	Y40046.6	202	13.4	67.5
0051	Mar-08	1815	3445.7	7548.9	X26958.7	Y39953.9	196	19.4	68.7
0052	Mar-08	1958	3435.8	7549.3	X26950.4	Y39871.1	227	29.8	67.8
0053	Mar-08	2128	3429.3	7552.7	X26954.9	Y39805.9	104	48.4	63.1
0054	Mar-09	0105	3449.0	7528.5	X26894.0	Y40066.8	041	89.4	62.2
0055	Mar-09	0252	3455.9	7522.0	X26878.1	Y40151.0	048	75.7	65.7
0056	Mar-09	0745	3530.6	7526.5	X26928.1	Y40447.7	197	6.8	45.0
0057	Mar-09	0855	3530.9	7500.2	X26832.5	Y40541.1	021	8.2	45.0
0058	Mar-09	1017	3533.7	7518.7	X26902.9	Y40504.5	319	14.8	51.4
0059	Mar-09	1147	3538.7	7526.3	X26936.1	Y40527.0	353	10.4	44.6
0060	Mar-09	1504	3603.5	7526.4	X26965.0	Y40778.1	302	11.8	44.8
0061	Mar-09	1705	3605.4	7541.5	X27025.3	Y40755.4	335	5.5	43.2
0062	Mar-09	1827	3600.1	7538.8	X27008.2	Y40706.8	315	11.2	43.5
0063	Mar-09	2016	3621.1	7546.7	X27067.5	Y40912.3	047	8.7	43.2
0064	Mar-09	2121	3623.5	7543.2	X27057.2	Y40947.3	358	11.8	43.9
0065	Mar-09	2253	3631.3	7540.8	X27059.2	Y41038.4	320	12.3	43.9
0066	Mar-10	0032	3632.7	7550.5	X27099.7	Y41031.3	353	5.5	43.5
0067	Mar-10	0254	3643.2	7541.0	X27078.4	Y41169.8	350	11.2	43.5
0068	Mar-10	0714	3651.1	7520.8	X27006.5	Y41301.1	351	14.5	45.0
0069	Mar-10	0843	3653.2	7522.3	X27016.3	Y41321.0	004	16.4	44.8
0070	Mar-10	1044	3701.0	7526.3	X27045.2	Y41398.7	319	13.4	43.9
0071	Mar-10	1314	3708.6	7514.9	X27007.7	Y41505.1	033	15.3	44.6
0072	Mar-10	1548	3716.2	7500.9	X26956.6	Y41615.1	340	20.5	46.6
0073	Mar-10	1751	3721.2	7506.7	X26990.4	Y41659.0		15.3	45.5
0074	Mar-10	1907	3721.1	7512.7	X27017.8	Y41647.3	032	16.4	43.7
0075	Mar-18	1423	3816.5	7456.2	X27036.7	Y42288.9	177	9.8	40.6
0076	Mar-18	1547	3808.6	7458.9	X27035.0	Y42197.5	180	10.7	41.2
0077	Mar-18	1748	3753.8	7504.2	X27034.5	Y42026.2	212	8.5	41.7
0078	Mar-18	1935	3743.8	7512.5	X27056.1	Y41901.8	231	12.8	42.3
0079	Mar-18	2206	3726.0	7526.7	X27089.4	Y41678.7	204	11.5	41.4
0080	Mar-18	2341	3716.1	7530.8	X27090.2	Y41560.1	214	10.1	42.3
0081	Mar-19	0103	3711.4	7538.3	X27114.3	Y41493.2	274	8.2	41.9
0082	Mar-19	0312	3658.5	7541.1	X27103.6	Y41342.2	288	9.8	42.4
0083	Mar-19	0515	3703.6	7549.3	X27146.9	Y41383.9	051	4.9	42.8
0084	Mar-19	0622	3706.6	7500.4	X26940.9	Y41511.5	024	6.6	42.4
0085	Mar-19	0753	3715.7	7541.0	X27133.8	Y41537.5	022	7.1	42.3
0086	Mar-19	0911	3715.0	7543.3	X27142.0	Y41525.3	033	5.2	42.3
0087	Mar-19	1254	3741.1	7524.8	X27108.6	Y41853.3	004	7.7	41.2
0088	Mar-19	1415	3748.6	7524.6	X27122.4	Y41938.9	351	4.9	41.5
0089	Mar-19	1508	3749.1	7526.9	X27134.3	Y41941.9	231	4.9	41.5
0090	Mar-19	1816	3800.3	7513.8	X27093.9	Y42087.0	030	6.3	41.2
0091	Mar-19	2008	3812.8	7507.2	X27086.2	Y42236.0	020	7.7	40.8
0092	Mar-20	0233	3857.8	7448.5	X27083.3	Y42757.9	066	5.7	40.1
0093	Mar-20	0404	3903.8	7442.6	X27063.2	Y42827.8	030	6.8	40.8
0094	Mar-20	0539	3858.9	7442.5	X27050.8	Y42774.0	082	6.6	40.3
0095	Mar-20	0903	3903.8	7408.6	X26856.5	Y42839.7	282	17.8	42.1
0096	Mar-20	1044	3906.3	7422.4	X26946.5	Y42862.7	278	13.4	41.4

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0097	Mar-20	1200	3908.7	7430.7	X27002.5	Y42885.8	011	10.4	40.8
0098	Mar-20	1338	3918.5	7424.9	X26988.6	Y42994.8	093	5.7	40.6
0099	Mar-20	1614	3931.1	7414.3	X26948.9	Y43130.5	031	5.5	40.8
0100	Mar-20	1728	3933.2	7408.4	X26914.3	Y43152.8	164	9.3	41.0
0101	Mar-20	1850	3926.5	7407.4	X26893.1	Y43081.4	154	11.2	40.5
0102	Mar-20	2005	3921.7	7402.4	X26850.7	Y43030.6	113	14.5	41.0
0103	Mar-20	2304	3912.0	7332.5	X26640.4	Y42932.1	102	23.0	43.9
0104	Mar-21	0105	3900.1	7328.7	X26601.7	Y42812.8	238	26.5	44.8
0105	Mar-21	0252	3900.7	7323.6	X26570.3	Y42820.6	136	30.1	47.3
0106	Mar-21	0651	3929.1	7318.5	X26568.4	Y43102.6	110	20.0	43.3
0107	Mar-21	0920	3924.0	7257.1	X26417.7	Y43050.1	047	35.0	48.0
0108	Mar-21	1106	3928.9	7200.4	X26037.4	Y43084.5	061	38.0	49.3
0109	Mar-21	1349	3936.3	7221.1	X26175.9	Y43155.9	007	57.1	54.5
0110	Mar-21	1633	3941.1	7245.0	X26345.8	Y43208.0	238	37.2	50.4
0111	Mar-21	1825	3933.8	7257.2	X26426.0	Y43143.6	299	34.2	46.2
0112	Mar-21	2129	3947.5	7322.4	X26621.1	Y43284.9	142	22.4	42.3
0113	Mar-22	0024	3944.1	7332.3	X26686.7	Y43255.2	156	20.5	42.4
0114	Mar-22	0321	3943.8	7354.8	X26844.5	Y43260.9	257	12.8	41.4
0115	Mar-22	0504	3943.5	7404.1	X26908.4	Y43260.4	168	7.1	41.4
0116	Mar-22	0706	3949.1	7404.2	X26922.3	Y43318.6	355	6.0	41.4
0117	Mar-22	0929	3957.0	7349.8	X26837.8	Y43393.6	260	15.0	41.2
0118	Mar-22	1116	3960.0	7402.4	X26935.5	Y43431.1	006	9.6	40.8
0119	Mar-22	1333	4015.7	7358.7	X26948.8	Y43589.8	190	6.8	41.2
0120	Mar-22	1525	4016.2	7356.2	X26931.2	Y43593.3	016	10.7	41.2
0121	Mar-22	1654	4015.6	7350.5	X26886.8	Y43582.5	111	14.8	41.2
0122	Mar-22	1957	4006.6	7331.1	X26719.4	Y43477.6	317	22.1	43.5
0123	Mar-22	2243	4006.2	7313.1	X26582.5	Y43460.7	336	24.1	43.7
0124	Mar-23	0041	4019.2	7312.4	X26600.0	Y43582.8	310	20.2	41.7
0125	Mar-23	0349	4028.8	7334.4	X26794.8	Y43696.7	251	11.5	40.8
0126	Mar-23	0533	4024.9	7346.7	X26881.6	Y43670.9	346	17.0	41.4
0127	Mar-23	0655	4030.6	7349.0	X26914.4	Y43730.2	293	8.2	41.7
0128	Mar-23	0842	4031.0	7340.1	X26845.2	Y43724.0	076	10.1	41.2
0129	Mar-23	1028	4035.8	7325.2	X26737.5	Y43752.2	077	6.0	41.5
0130	Mar-23	1150	4036.4	7318.2	X26682.4	Y43749.8	235	9.0	40.8
0131	Mar-23	1354	4031.8	7318.5	X26674.5	Y43707.4	089	13.1	40.3
0132	Mar-23	1508	4031.5	7310.8	X26611.5	Y43695.7	042	14.5	40.5
0133	Mar-23	1632	4038.5	7307.2	X26596.8	Y43755.1	074	5.7	40.1
0134	Mar-23	1751	4040.8	7257.0	X26516.8	Y43763.4	067	9.6	39.6
0135	Mar-23	1938	4045.7	7240.8	X26390.2	Y43785.0	070	10.1	40.6
0136	Mar-23	2008	4046.3	7236.7	X26357.0	Y43785.0	215	13.1	40.5
0137	Mar-23	2226	4036.8	7240.7	X26373.7	Y43707.7	290	19.4	42.3
0138	Mar-23	2350	4034.4	7248.3	X26432.8	Y43695.9	207	20.5	41.9
0139	Mar-24	0121	4026.6	7252.8	X26456.8	Y43631.6	124	23.2	42.3
0140	Mar-24	0408	4011.2	7231.1	X26264.5	Y43473.3	139	33.1	45.7
0141	Mar-24	0829	3953.7	7153.0	X25975.4	Y43295.7	240	68.1	55.4
0142	Mar-24	1008	3951.7	7151.0	X25961.9	Y43277.0	057	82.6	53.1
0143	Mar-24	1242	4003.5	7135.5	X25844.0	Y43366.1	290	48.9	54.5
0144	Mar-24	1519	4016.2	7155.3	X25988.4	Y43486.6	010	36.1	42.8

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0145	Mar-24	1729	4031.5	7151.2	X25958.9	Y43608.1	352	34.7	43.3
0146	Mar-24	1852	4038.3	7153.4	X25981.3	Y43665.6	246	28.7	43.3
0147	Mar-24	2006	4036.3	7200.5	X26038.3	Y43657.3	301	29.0	42.6
0148	Mar-24	2259	4048.6	7225.3	X26263.8	Y43788.8	062	13.7	41.5
0149	Mar-25	0021	4053.3	7216.7	X26197.8	Y43815.9	063	9.8	41.5
0150	Mar-25	0152	4058.3	7205.0	X26104.5	Y43839.7	070	6.8	42.6
0151	Mar-25	0339	4058.7	7200.6	X26067.1	Y43836.3	240	10.4	42.3
0152	Mar-25	0456	4056.0	7201.3	X26068.7	Y43816.2	246	14.8	42.3
0153	Mar-25	0637	4058.7	7154.1	X26009.9	Y43827.6	023	12.6	42.1
0154	Mar-25	0851	4105.8	7139.3	X25891.4	Y43861.1	197	17.5	41.9
0155	Mar-25	1044	4104.4	7133.2	X25834.1	Y43841.8	298	18.3	42.1
0156	Mar-25	1236	4105.9	7122.8	X25744.4	Y43838.1	039	21.1	42.1
0157	Mar-25	1350	4109.5	7118.6	X25713.1	Y43858.9	357	23.5	42.1
0158	Mar-25	1552	4116.4	7131.3	X25840.5	Y43926.6	091	23.2	41.7
0159	Mar-25	1916	4121.3	7054.0	X25517.0	Y43906.1		15.6	41.0
0160	Mar-25	2220	4115.3	7045.9	X25429.1	Y43853.9	026	12.3	40.6
0161	Mar-26	0143	4056.5	7026.6	X25256.9	Y43701.3	237	25.4	39.0
0162	Mar-26	0319	4051.3	7037.4	X25350.0	Y43677.2	282	29.0	39.2
0163	Mar-26	0500	4052.4	7048.7	X25440.4	Y43698.0	342	29.5	39.6
0164	Mar-29	2214	4047.1	7119.4	X25698.8	Y43694.8	223	32.0	41.5
0165	Mar-30	0008	4038.9	7128.1	X25770.8	Y43641.9	077	33.4	40.5
0166	Mar-30	0244	4041.3	7104.1	X25574.0	Y43634.2	082	33.6	40.1
0167	Mar-30	0433	4041.3	7100.7	X25546.8	Y43630.9	116	34.7	40.6
0168	Mar-30	0612	4038.6	7052.4	X25484.4	Y43602.3	128	36.4	41.0
0169	Mar-30	0849	4028.2	7030.6	X25352.2	Y43506.5	108	38.8	43.3
0170	Mar-30	1039	4023.5	7033.7	X25384.0	Y43474.9	130	45.4	44.4
0171	Mar-30	1231	4021.1	7021.0	X25315.2	Y43447.7	200	46.5	43.0
0172	Mar-30	1400	4018.6	7026.7	X25355.1	Y43433.6	239	51.7	38.5
0173	Mar-30	1601	4014.1	7000.4	X25236.2	Y43383.2	242	63.7	53.1
0174	Mar-30	1842	4004.3	7056.2	X25571.4	Y43346.9	276	96.2	53.1
0175	Mar-30	2016	4001.6	7057.9	X25587.4	Y43327.0	123	139.2	48.4
0176	Mar-31	0026	3958.8	7023.0	X25390.7	Y43286.5	095	169.0	44.8
0177	Mar-31	0407	4013.9	7001.1	X25240.1	Y43381.9	184	51.7	51.4
0178	Mar-31	0558	4004.5	7002.9	X25277.9	Y43316.9	111	79.8	55.6
0179	Mar-31	0841	3959.2	6940.7	W14133.4	Y43268.0	039	68.6	55.0
0180	Mar-31	1351	4021.1	6913.3	W13925.7	Y43400.2	273	44.0	44.1
0181	Mar-31	1502	4021.5	6916.7	W13940.7	Y43405.3	321	42.4	43.9
0182	Mar-31	1735	4037.0	6926.4	W13933.9	Y43513.8	023	27.9	41.2
0183	Mar-31	1947	4051.7	6914.3	W13816.6	Y43597.2		33.1	40.6
0184	Mar-31	2113	4053.6	6912.1	W13797.5	Y43607.5	170	36.9	40.6
0185	Apr-01	0021	4048.9	6929.9	W13907.8	Y43593.4	252	24.3	40.5
0186	Apr-01	0154	4051.0	6937.3	W13938.6	Y43613.7	276	21.1	40.5
0187	Apr-01	0404	4053.8	6930.9	W13894.2	Y43625.7	324	20.0	40.6
0188	Apr-01	0548	4102.1	6929.3	W13853.0	Y43677.5	210	20.5	40.5
0189	Apr-01	0716	4106.3	6927.5	W13826.6	Y43701.8	230	17.2	40.1
0190	Apr-01	0934	4114.7	6932.4	W13817.8	Y43759.4	190	12.6	40.1
0191	Apr-01	1103	4115.4	6929.2	W13797.6	Y43760.0	341	15.6	40.3
0192	Apr-01	1346	4120.7	6916.6	W13708.1	Y43778.4	137	53.3	40.1

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0193	Apr-05	1922	4128.8	6934.4	W13767.5	Y43848.3	316	17.5	39.2
0194	Apr-05	2112	4139.2	6943.7	W13772.7	Y43922.5	329	27.9	39.0
0195	Apr-05	2231	4141.2	6939.4	W13739.4	Y43928.5	153	47.0	39.9
0196	Apr-06	0132	4138.0	6913.1	W13611.7	Y43876.2	188	94.6	41.2
0197	Apr-06	0516	4100.1	6919.6	W13810.6	Y43654.8	164	27.6	40.3
0198	Apr-06	0636	4100.9	6916.3	W13790.0	Y43657.0	059	30.3	40.5
0199	Apr-06	0819	4108.6	6908.7	W13719.3	Y43696.3	046	51.9	40.6
0200	Apr-06	1003	4113.9	6857.5	W13639.6	Y43717.0	053	58.0	40.3
0201	Apr-06	1205	4106.7	6852.8	W13646.6	Y43669.8	076	42.9	41.2
0202	Apr-06	1406	4104.2	6836.7	W13578.0	Y43639.9	234	32.5	42.6
0203	Apr-06	1702	4042.9	6842.3	W13693.0	Y43516.3	145	35.8	42.3
0204	Apr-06	1859	4031.3	6837.2	W13714.1	Y43441.5	238	40.2	41.9
0205	Apr-06	2043	4023.9	6839.2	W13751.2	Y43396.9	257	48.4	42.8
0206	Apr-06	2217	4021.5	6800.5	W13583.6	Y43361.1	125	48.9	42.6
0207	Apr-07	0004	4016.0	6839.0	W13779.2	Y43347.5	079	59.9	47.3
0208	Apr-07	0525	4020.9	6749.6	W13538.6	Y43351.9	140	109.4	52.3
0209	Apr-07	0607	4021.0	6749.3	W13536.7	Y43352.5	295	103.6	52.3
0210	Apr-07	0759	4030.2	6746.7	W13489.3	Y43404.9	035	65.3	54.3
0211	Apr-07	1145	4034.5	6713.9	W13334.1	Y43411.5	350	66.7	52.3
0212	Apr-08	1151	4155.0	6955.4	W13765.7	Y44032.1	176	15.3	39.7
0213	Apr-08	1415	4203.9	6942.9	W13650.4	Y44065.0	152	107.7	43.3
0214	Apr-08	1720	4214.2	6930.6	W13528.5	Y44103.2	075	119.2	44.2
0215	Apr-08	2150	4212.8	6840.2	W13266.8	Y44024.9	166	104.2	43.5
0216	Apr-09	0036	4153.9	6842.2	W13374.4	Y43927.3	111	85.3	43.0
0217	Apr-09	0321	4146.4	6817.7	W13292.1	Y43858.1	061	51.9	41.9
0218	Apr-09	0527	4156.9	6819.6	W13248.3	Y43916.1	356	99.5	44.6
0219	Apr-09	0651	4201.2	6820.4	W13229.7	Y43939.5	047	96.0	44.6
0220	Apr-09	0854	4210.7	6811.7	W13138.4	Y43978.2	040	93.2	45.3
0221	Apr-09	1128	4205.5	6751.0	W13070.3	Y43927.5	184	104.7	45.1
0222	Apr-09	1341	4151.4	6754.4	W13158.4	Y43859.0	126	25.7	42.1
0223	Apr-09	1522	4146.5	6743.6	W13135.0	Y43822.2	143	23.0	43.0
0224	Apr-09	1729	4138.7	6727.0	W13101.7	Y43765.7	163	29.5	43.0
0225	Apr-09	1851	4131.6	6722.6	W13117.8	Y43724.8	166	29.3	42.8
0226	Apr-09	1951	4127.4	6721.0	W13130.8	Y43701.6	180	23.0	42.8
0227	Apr-09	2111	4119.9	6718.9	W13157.0	Y43660.6	185	24.3	42.8
0228	Apr-09	2331	4111.1	6739.2	W13284.0	Y43629.8	310	27.1	42.6
0229	Apr-10	0142	4123.2	6753.8	W13293.0	Y43708.2	314	23.8	43.3
0230	Apr-10	0321	4132.8	6756.6	W13259.8	Y43763.2	340	20.0	43.3
0231	Apr-10	0533	4124.3	6800.1	W13316.0	Y43720.2	239	23.0	43.3
0232	Apr-10	0635	4122.0	6806.7	W13357.3	Y43713.6	145	21.1	43.3
0233	Apr-10	0840	4108.2	6801.7	W13396.8	Y43632.2	050	24.3	43.0
0234	Apr-10	1104	4101.3	6814.9	W13487.4	Y43604.2	202	26.5	43.0
0235	Apr-10	1255	4050.7	6810.8	W13513.3	Y43539.5	104	32.8	42.6
0236	Apr-10	1524	4049.8	6756.7	W13453.5	Y43524.1	215	36.6	41.9
0237	Apr-10	1633	4046.6	6758.2	W13473.4	Y43506.8	087	37.7	41.7
0238	Apr-10	1750	4046.3	6750.8	W13442.0	Y43499.9	101	36.1	41.7
0239	Apr-10	2014	4043.2	6731.3	W13370.5	Y43469.9	035	47.6	41.5
0240	Apr-11	0152	4053.6	6639.2	W13117.2	Y43494.4	048	61.8	

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0241	Apr-11	0539	4111.6	6659.8	W13117.4	Y43602.1	082	37.2	41.9
0242	Apr-11	0735	4113.1	6646.7	W13059.6	Y43600.2	336	39.4	42.1
0243	Apr-11	1031	4126.9	6700.1	W13047.7	Y43681.6	313	33.9	41.9
0244	Apr-11	1306	4135.7	6646.8	W12953.5	Y43715.1	141	38.8	42.1
0245	Apr-14	0511	4159.1	6729.1	W13007.7	Y43871.5	018	23.8	42.6
0246	Apr-14	0636	4206.4	6724.1	W12948.1	Y43902.4	054	50.6	41.9
0247	Apr-14	0857	4208.3	6736.9	W12992.8	Y43925.9	061	96.5	43.9
0248	Apr-14	1044	4213.0	6725.0	W12917.1	Y43935.5	028	132.1	45.9
0249	Apr-14	1223	4218.7	6721.9	W12873.1	Y43959.5	088	153.7	46.0
0250	Apr-14	1356	4218.4	6712.1	W12834.4	Y43947.2	107	151.5	46.2
0251	Apr-14	1603	4216.8	6710.1	W12835.0	Y43937.7	094	142.2	45.9
0252	Apr-14	1809	4216.4	6655.7	W12779.8	Y43920.6	110	147.9	46.4
0253	Apr-14	2035	4209.6	6635.1	W12738.8	Y43867.9	120	69.7	41.7
0254	Apr-15	0048	4155.5	6627.5	W12783.8	Y43794.5	052	45.1	41.9
0255	Apr-15	0246	4157.4	6613.8	W12725.2	Y43791.8	227	44.6	41.7
0256	Apr-15	0436	4146.6	6619.8	W12800.3	Y43745.7	157	44.0	41.0
0257	Apr-15	0609	4139.1	6621.2	W12841.6	Y43711.0	245	45.4	40.8
0258	Apr-15	0830	4129.4	6636.9	W12946.1	Y43675.7	110	45.9	40.8
0259	Apr-15	1052	4121.0	6617.2	W12913.1	Y43619.4	000	55.5	48.0
0260	Apr-15	1555	4150.7	6543.8	W12658.1	Y43736.3	340	142.4	49.8
0261	Apr-15	1729	4151.0	6550.6	W12678.4	Y43743.1	335	69.2	51.4
0262	Apr-15	1913	4201.2	6557.2	W12649.8	Y43795.4	311	75.5	52.5
0263	Apr-15	2047	4208.3	6606.5	W12644.7	Y43835.7	315	111.0	52.9
0264	Apr-15	2225	4206.9	6615.3	W12682.3	Y43837.0	228	50.3	42.4
0265	Apr-16	0000	4209.1	6622.1	W12694.4	Y43853.5	278	95.7	50.5
0266	Apr-16	0148	4207.9	6633.9	W12743.1	Y43859.3	242	45.4	41.7
0267	Apr-16	0445	4220.7	6648.1	W12728.1	Y43932.6	285	170.3	45.9
0268	Apr-16	0759	4228.3	6717.9	W12803.5	Y44000.4	040	178.3	45.9
0269	Apr-16	1041	4236.2	6659.9	W12687.3	Y44016.3	324	157.5	46.9
0270	Apr-16	1333	4241.6	6715.7	W12718.6	Y44059.3	274	113.5	47.3
0271	Apr-16	1721	4239.2	6754.9	W12901.5	Y44096.3	345	104.2	45.7
0272	Apr-16	2132	4308.8	6815.9	W12820.7	Y44260.4	097	110.7	43.5
0273	Apr-16	2326	4313.2	6804.2	W12737.6	Y44262.6	086	114.3	43.3
0274	Apr-17	0216	4315.1	6740.6	W12619.6	Y44238.5	069	123.9	45.0
0275	Apr-17	0452	4301.5	6735.3	W12681.8	Y44172.6	108	101.7	43.2
0276	Apr-17	0932	4254.2	6657.3	W12573.4	Y44093.2	095	105.0	48.6
0277	Apr-17	1115	4308.0	6704.2	W12516.5	Y44161.2	051	97.1	46.9
0278	Apr-17	1324	4311.1	6646.3	W12432.0	Y44152.3	334	77.1	44.2
0279	Apr-17	1748	4343.7	6700.6	W12277.1	Y44301.4	282	86.1	44.1
0280	Apr-17	2020	4354.9	6718.9	W12269.5	Y44368.7	216	115.9	45.3
0281	Apr-17	2210	4347.6	6721.2	W12327.8	Y44343.9	184	105.5	45.3
0282	Apr-18	0101	4334.6	6741.1	W12495.6	Y44319.9	217	131.2	45.1
0283	Apr-18	0405	4350.0	6749.2	W12426.5	Y44392.3	045	113.2	45.3
0284	Apr-18	0736	4412.7	6735.9	W12211.0	Y44458.2	225	75.5	42.8
0285	Apr-18	0951	4405.7	6723.1	W12210.9	Y44414.7	039	91.9	44.2
0286	Apr-18	1122	4413.0	6720.7	W12150.7	Y44437.8	028	117.3	45.3
0287	Apr-18	1426	4419.8	6730.8	W12140.7	Y44476.1	239	54.1	40.3
0288	Apr-18	1701	4413.7	6756.2	W12289.5	Y44491.3	220	39.6	39.6

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
1999 STATION INFORMATION

Station	Date	Time	Lat	Lon	Loran TD's		Course	Bottom Depth (FM)	Temp (F)
0289	Apr-18	1857	4407.5	6758.9	W12345.9	Y44472.7	225	55.0	40.6
0290	Apr-18	2149	4354.9	6824.3	W12555.2	Y44463.5	224	58.0	39.6
0291	Apr-19	0012	4340.2	6821.0	W12640.5	Y44400.5	185	104.2	43.9
0292	Apr-19	0221	4328.1	6826.7	W12749.2	Y44359.6	211	94.1	41.5
0293	Apr-19	0429	4300.4	6830.9	W12946.6	Y44244.2	333	85.3	41.5
0294	Apr-19	0711	4340.5	6854.9	W12812.6	Y44455.0		50.3	38.8
0295	Apr-19	1130	4337.9	6936.8	W13069.5	Y44515.3	053	44.3	38.7
0296	Apr-19	1519	4321.2	6904.9	W12994.5	Y44390.0	156	84.8	39.4
0297	Apr-19	1829	4259.2	6902.9	W13120.9	Y44287.6	126	93.0	40.3
0298	Apr-19	2137	4254.4	6834.9	W13003.5	Y44222.4	200	89.9	43.2
0299	Apr-20	0000	4241.7	6846.2	W13135.9	Y44178.9	165	93.2	44.1
0300	Apr-20	0149	4200.3	6846.2	W13362.2	Y43967.1	192	107.7	44.2
0301	Apr-20	0458	4237.9	6910.9	W13289.5	Y44197.0	297	105.8	43.0
0302	Apr-20	0646	4239.5	6923.2	W13349.6	Y44224.0	210	120.6	43.3
0303	Apr-20	0847	4234.1	6926.9	W13400.6	Y44202.5	319	128.2	44.4
0304	Apr-20	1006	4236.8	6930.6	W13406.2	Y44222.3	339	132.1	44.4
0305	Apr-20	1315	4257.9	6937.7	W13325.4	Y44338.1	024	84.8	40.5
0306	Apr-20	1538	4305.5	6946.4	W13331.6	Y44389.2	295	89.4	40.5
0307	Apr-20	1828	4308.7	7013.2	X25867.8	Y44452.4	203	76.8	38.8
0308	Apr-20	2105	4258.0	7013.2	X25804.3	Y44401.4	288	88.6	39.0
0309	Apr-20	2303	4303.4	7027.0	X25907.7	Y44452.8	196	48.4	37.9
0310	Apr-21	0044	4253.3	7027.9	X25853.0	Y44405.1	190	61.8	38.5
0311	Apr-21	0247	4240.9	7024.6	X25758.5	Y44335.7	229	24.9	38.5
0312	Apr-21	0500	4229.6	7043.4	X25800.7	Y44309.6	179	28.4	39.0
0313	Apr-21	0714	4226.9	7051.8	X25839.5	Y44310.1	190	13.9	39.2
0314	Apr-21	0844	4220.3	7047.1	X25768.0	Y44264.1	130	15.0	39.6
0315	Apr-21	0949	4219.3	7041.8	X25726.0	Y44248.7	132	22.4	38.3
0316	Apr-21	1213	4228.8	7025.6	X25686.2	Y44272.6	079	42.4	39.6
0317	Apr-21	1405	4230.6	7012.5	X25626.2	Y44259.4	190	40.7	39.6
0318	Apr-21	1600	4232.0	7003.4	X25590.5	Y44251.3	142	71.4	40.1
0319	Apr-21	1749	4227.6	7010.6	X25596.7	Y44240.2	188	41.6	39.6
0320	Apr-21	1904	4222.4	7010.5	X25561.0	Y44211.5	150	39.9	39.4
0321	Apr-21	2105	4221.5	6954.7	W13629.0	Y44180.7	098	115.4	42.8
0322	Apr-21	2316	4211.2	6951.5	W13663.4	Y44119.1	183	101.2	43.3
0323	Apr-22	0104	4207.8	7001.8	X25416.4	Y44116.1	326	42.9	40.3
0324	Apr-22	0234	4213.5	7005.8	X25475.8	Y44154.5	153	50.3	40.3
0325	Apr-22	0534	4201.8	7029.2	X25529.6	Y44124.9	255	21.3	39.4
0326	Apr-22	0646	4203.1	7033.7	X25568.2	Y44140.2	174	16.7	40.6
0327	Apr-22	0819	4154.7	7027.4	X25470.0	Y44079.5	140	16.7	40.3
0328	Apr-22	0948	4158.5	7019.6	X25446.3	Y44090.1	054	23.2	38.8
0329	Apr-22	1129	4152.8	7008.5	X25341.2	Y44039.0	206	5.2	48.2

ALBATROSS IV MAR 01 - APR 22, 1999
CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

STATION	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
1	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	17	5	1	10	35
2	0	0	5	0	1	0	0	0	0	0	0	18	0	0	0	0	1	4	0	0	0	0	0	2	29	60
3	271	0	10	12	3	0	0	0	0	1	0	29	0	0	1	0	1	1	0	0	0	0	0	7	29	365
4	0	0	0	0	9	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	33	41	88
5	6	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	1	7	0	0	0	2	0	21	22	64
6	45	0	4	1	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	0	0	5	28	87
7	2543	0	6	0	3	0	0	0	0	0	0	9	0	0	0	0	0	6	0	0	0	0	0	5	122	2694
8	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	3	47
9	819	0	3	0	1	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	10	3	839
10	92	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	23	0	0	0	0	0	37	42	198
11	92	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3	0	0	0	0	0	18	30	146
12	128	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	41	56	228
13	0	5	86	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	93
14	2	37	74	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	117
15	9	21	174	1	0	0	0	0	0	0	0	1	0	4	0	11	0	0	0	0	0	0	0	0	6	227
16	0	0	92	0	0	0	0	0	0	0	0	1	0	2	0	14	0	0	0	0	0	0	0	0	66	175
17	0	0	68	1	0	0	0	0	0	0	0	0	0	2	0	10	0	0	0	0	0	0	0	0	34	115
18	5	0	9	8	1	0	0	0	0	0	0	2	0	0	0	3	0	0	0	0	0	0	0	0	8	36
19	14	10	79	2	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	108
20	84	0	25	1	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	3	0	11	127
21	739	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	3	0	0	6	7	789
22	942	0	2	107	0	0	0	0	0	0	0	3	0	0	0	0	156	4	0	0	2	0	0	25	4	1245
23	350	0	0	141	0	0	0	0	0	0	0	5	0	0	0	0	40	0	0	0	0	0	0	4	11	551
24	406	0	0	45	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	454
25	105	0	0	148	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	6	0	0	0	7	268
26	33	0	10	2	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	2	0	7	25	84
27	24	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	6	33	67
28	9	0	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	9	0	1	34	56
29	3	0	0	0	1	0	0	0	0	0	0	14	0	0	0	0	0	4	0	0	0	6	0	34	163	225
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	68	18	88
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	55	100
32	6	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	32	22	65
33	654	0	0	0	5	0	0	0	7	11	0	0	0	0	0	0	0	0	0	0	0	72	10	19	52	830
34	4	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	0	2	8	2	30
35	0	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	6	0	33	20	77
36	13	0	2	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	2	7	244	283
37	89	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	24	145

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CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	29	0	10	68	108
39	124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	110	0	0	0	23	0	0	748	1005
40	133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	59	199
41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	214	219
42	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	141	142
43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	181	182
44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	20
45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	257	273
46	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	292	294
47	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	477	480
48	10	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	13	0	0	0	0	0	0	161	184
49	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	49	52
50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	70	72
51	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	355	357
52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25
53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	11	12
54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	93	94
55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	3	36	44
56	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	463	464
57	0	5	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	204	211
58	10	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	3	0	0	0	0	0	1	26	42
59	0	0	0	4	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	185	191
60	62	9	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	2	7	86
61	0	7	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	43	53
62	20	6	7	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	57	92
63	9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	35	47
64	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	111	117
65	26	0	0	2	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	85	116
66	0	0	6	0	0	0	0	0	0	0	0	25	0	0	0	6	0	0	0	0	0	0	0	0	334	371
67	31	3	10	1	0	0	0	0	0	0	0	4	0	0	0	2	1	0	0	0	0	0	0	1	2	55
68	402	7	0	13	0	0	0	0	0	0	0	5	0	0	0	0	128	0	0	0	0	0	0	2	10	567
69	277	0	0	3	0	0	0	0	0	0	0	2	0	0	0	0	13	0	0	0	0	0	0	1	5	301
70	123	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	5	129
71	668	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	3	676
72	1343	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	3	1	1384
73	415	0	1	13	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	2		433
74	40	0	20	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	81
75	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	29	33

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CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
76	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	12
77	0	0	0	17	0	0	0	0	0	0	0	2	0	0	0	0	3	0	0	0	0	0	0	0	0	22
78	0	0	5	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	19
79	0	0	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47	60
80	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8
81	0	0	4	5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	10
82	0	0	1	1	0	0	0	0	0	0	0	5	0	0	0	2	0	0	0	0	0	0	0	0	6	15
83	0	0	3	35	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	42
84	0	0	0	187	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	0	36	226
85	0	0	0	111	0	0	0	0	0	0	0	1	0	0	0	0	3	0	0	0	0	0	0	0	88	203
86	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
87	0	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	4	9
88	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
89	0	10	1	6	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	20
90	0	0	13	5	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	21
91	0	3	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	80
92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
93	0	3	53	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	57
94	0	0	7	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
95	117	0	0	2	0	0	0	0	0	0	0	1	2	1	0	0	1	0	0	0	0	0	0	0	0	124
96	6	0	0	19	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	1	29
97	0	0	1	15	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	2	22
98	0	0	1	0	0	0	0	0	0	0	0	0	0	4	0	1	0	0	0	0	0	0	0	0	1	7
99	0	0	2	11	0	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	6	22
100	18	0	6	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	7	0	0	0	0	33
101	12	17	17	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	48
102	30	5	59	23	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2	0	0	0	1	123
103	553	0	33	36	0	0	0	0	0	0	0	2	0	0	0	1	3	0	0	0	0	17	0	0	5	650
104	488	0	19	5	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	65	580
105	1136	0	44	32	2	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	1	0	0	5	64	1292
106	324	13	2	7	0	0	0	0	0	0	0	1	1	0	0	0	7	0	0	0	0	0	0	0	4	359
107	2750	0	1	4	2	0	0	0	0	0	0	5	0	0	0	0	125	0	0	0	0	0	0	4	4	2895
108	2857	0	0	0	0	0	0	0	0	0	0	4	0	0	1	0	213	0	0	0	0	0	1	20	16	3112
109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	458	0	0	0	0	0	82	3	545
110	1596	0	1	3	1	0	0	0	0	2	0	4	0	0	0	0	163	1	0	0	3	0	1	4	13	1792
111	894	0	108	539	3	0	0	0	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	1	68	1644
112	192	0	59	0	0	0	0	0	0	0	0	0	5	1	0	1	0	0	0	0	14	0	6	0	10	288
113	89	0	21	4	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	1	0	0	0	0	119

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
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CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
114	10	3	96	0	0	0	0	0	0	0	0	0	0	7	0	1	0	0	0	0	21	0	0	0	1	139
115	0	14	160	1	0	0	0	0	0	0	0	0	0	17	0	11	0	0	0	0	0	0	0	0	5	208
116	0	9	121	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	0	0	0	0	0	4	140
117	23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	1	33
118	0	8	604	1	0	0	0	0	0	0	0	0	0	52	0	6	0	0	0	0	12	0	0	0	5	688
119	0	57	815	4	0	0	0	0	0	0	0	0	0	83	0	28	0	0	0	0	15	0	1	0	120	1123
120	0	31	141	2	1	0	0	0	0	0	0	0	0	26	0	5	0	0	0	0	15	0	22	0	3	246
121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
122	32	4	118	27	2	0	0	0	0	0	0	0	3	5	0	3	0	0	0	0	6	0	0	0	20	220
123	46	1	475	41	1	0	0	0	0	1	0	0	5	0	0	1	3	0	0	0	7	0	0	1	7	589
124	322	1	224	10	2	0	0	0	0	0	0	0	2	6	0	3	0	0	0	0	5	0	0	0	5	580
125	5	4	522	2	1	0	0	0	0	0	0	0	0	29	0	2	0	0	0	0	13	2	4	0	3	587
126	10	0	45	3	3	0	0	0	0	0	0	0	4	11	0	0	0	0	0	0	8	0	6	0	8	98
127	9	0	30	30	1	0	0	0	0	2	0	0	0	17	0	1	0	0	0	0	1	0	0	0	5	96
128	0	0	12	2	0	0	0	0	0	0	0	0	0	5	0	1	0	0	0	0	3	0	0	0	0	23
129	6	91	819	4	0	0	0	0	0	0	0	0	0	14	0	7	0	0	0	0	0	2	0	0	2	945
130	4	105	1155	3	1	0	0	0	0	0	0	0	0	52	0	6	0	0	0	0	43	1	0	0	2	1372
131	4	39	250	1	2	0	0	0	0	0	0	0	0	15	0	5	0	0	0	0	6	0	0	0	1	323
132	0	8	137	2	0	0	0	0	0	0	0	0	2	6	0	1	0	0	0	0	3	0	5	0	1	165
133	0	32	674	0	0	0	0	0	0	0	0	0	0	9	0	6	0	0	0	0	0	2	0	0	1	724
134	0	33	529	0	0	0	0	0	0	0	0	0	0	46	0	1	0	0	0	0	7	0	0	0	4	620
135	4	28	230	0	4	0	0	0	0	0	0	0	0	11	0	6	0	0	0	0	0	3	1	0	5	292
136	0	12	108	0	4	0	0	0	0	0	0	0	0	9	0	5	0	0	0	0	0	15	0	0	3	156
137	70	10	142	31	5	0	0	0	0	0	0	0	9	16	0	0	0	0	0	1	57	2	0	1	7	351
138	21	6	144	82	2	0	0	0	0	0	0	0	7	10	0	4	0	0	0	0	26	0	0	0	2	304
139	122	0	98	178	2	0	0	0	0	0	0	0	2	9	0	0	0	0	0	0	8	0	0	0	14	433
140	930	0	158	505	2	0	0	0	0	1	0	0	2	0	0	0	12	0	0	0	1	3	0	2	35	1651
141	0	0	4	1	9	0	0	0	0	1	0	0	0	0	0	0	7	4	0	0	0	7	0	83	18	134
142	0	0	0	0	3	0	0	0	0	2	0	6	0	0	0	0	71	16	0	0	0	5	0	174	52	329
143	0	0	0	45	3	0	0	0	0	0	0	6	0	0	0	0	3	56	0	0	0	0	1	25	27	166
144	67	0	4	440	0	0	0	0	1	0	0	0	0	0	0	0	5	0	0	0	2	1	0	8	14	542
145	22	0	35	115	5	0	0	0	0	9	0	0	6	0	2	0	4	0	0	0	3	4	0	1	19	225
146	4	0	116	146	1	0	0	0	0	0	0	0	6	0	0	2	2	0	0	0	0	0	0	0	17	294
147	13	4	132	89	3	0	0	0	0	0	0	0	13	0	0	1	3	0	0	0	5	0	0	0	28	291
148	50	17	91	8	4	0	0	0	0	1	0	0	1	21	0	1	0	0	0	1	7	1	0	0	5	208
149	5	3	191	0	11	0	0	0	0	0	0	5	0	17	0	6	0	0	0	0	15	6	0	0	4	263
150	0	280	1049	0	0	0	0	0	0	2	0	2	0	6	0	9	0	0	0	0	0	3	0	0	11	1362
151	10	33	316	10	1	0	0	0	0	0	0	0	0	15	0	2	0	0	0	0	0	1	0	0	5	393

NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
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CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
152	2	4	56	27	9	0	0	0	0	0	0	1	5	9	0	6	0	0	0	0	8	0	0	0	4	131
153	8	9	5	13	0	0	0	0	0	0	0	1	0	3	0	1	0	0	0	0	0	0	0	0	4	44
154	37	0	3	9	2	7	0	0	0	0	0	0	1	34	0	0	0	0	0	42	83	0	0	0	148	366
155	137	0	1	5	1	0	0	0	0	0	0	0	6	51	0	1	0	0	0	32	112	0	0	0	25	371
156	31	3	3	2	0	5	0	0	0	0	0	0	13	17	0	0	1	0	0	4	57	0	0	0	16	152
157	13	0	6	13	0	123	0	0	0	0	0	1	0	10	0	0	1	0	0	51	45	0	98	0	35	396
158	0	0	3	26	2	0	0	0	0	1	0	0	0	10	0	0	0	0	0	1	6	0	19	0	24	92
159	0	0	139	7	8	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	12	169
160	0	6	23	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	2	0	1	39
161	2	19	44	34	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	48	0	0	0	0	5	154
162	0	50	68	169	1	0	0	0	0	0	0	0	2	0	0	2	0	0	0	23	0	2	3	0	2	322
163	0	23	95	237	5	0	0	0	0	0	0	0	10	0	0	5	0	0	0	33	7	0	0	0	3	418
164	0	0	13	35	2	0	0	0	1	0	0	2	12	0	0	1	2	0	0	0	4	0	0	0	16	88
165	0	7	14	7	2	0	0	0	0	2	0	1	8	0	0	0	0	0	0	0	1	5	0	0	26	73
166	0	0	9	90	2	0	0	0	0	3	0	1	7	0	2	0	0	0	0	0	2	0	0	0	21	137
167	5	0	5	213	3	0	0	0	0	4	0	0	3	0	0	0	0	0	0	0	1	3	5	0	25	267
168	11	0	0	17	4	0	0	0	0	1	0	2	3	0	0	0	0	0	0	0	5	15	3	0	11	72
169	5	0	0	4	2	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	2	18	1	0	16	54
170	3	0	0	13	16	0	0	0	0	8	0	2	0	0	0	0	2	0	0	0	0	4	4	2	35	89
171	0	0	0	16	11	0	0	0	0	9	0	0	0	0	0	0	10	0	0	0	0	4	1	1	132	184
172	0	0	0	12	24	0	0	0	0	1	0	10	0	0	0	0	4	0	0	0	0	0	2	9	81	143
173	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	1	30	0	0	0	0	0	48	50	132
174	0	0	0	0	3	0	0	0	1	1	0	0	0	0	0	0	0	2	0	0	0	0	0	3	18	28
175	0	0	0	0	1	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3	1	0	3	11
176	0	0	0	0	5	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	11	24	0	6	48
177	0	0	0	0	9	0	1	0	0	1	0	3	0	0	0	0	0	6	0	0	0	0	0	0	66	86
178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	86	14	103
179	0	0	0	0	4	0	0	0	0	1	0	0	0	0	0	0	1	31	0	0	0	0	4	107	3	151
180	0	0	2	16	1	0	2	0	0	0	0	0	6	0	2	0	260	0	0	0		0	0	0	2	291
181	0	14	2	2	0	1	1	0	0	0	0	1	8	0	0	0	249	0	0	0	2	0	0	0	2	282
182	228	19	4	0	0	0	0	0	0	0	0	0	2	0	0	3	0	0	0	15	1	0	0	0	2	274
183	0	55	45	0	0	3	0	0	0	0	0	0	0	5	0	0	0	0	0	8	0	0	2	0	22	140
184	0	34	39	0	0	0	0	0	0	0	0	0	2	19	0	1	0	0	0	9	1	0	0	0	20	125
185	0	0	39	0	0	0	0	0	0	0	0	0	1	6	0	1	0	0	0	4	0	0	0	0	0	51
186	0	0	50	0	0	0	0	0	0	0	0	0	0	8	0	2	0	0	0	6	0	0	0	0	1	67
187	0	0	4	0	0	0	0	0	0	0	0	0	0	4	0	2	0	0	0	2	0	0	0	0	0	12
188	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	37	0	0	0	0	1	41
189	0	0	0	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6	18

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CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
190	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5	0	0	0	0	0	6
191	0	0	0	8	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	16	0	0	2	0	33	61
192	0	532	0	0	1	6	4	0	0	1	4	0	6	0	0	0	0	0	0	14	3	0	0	0	14	585
193	0	9	11	5	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	7	0	0	11	0	9	55
194	0	28	246	2	0	7	0	0	0	0	0	0	1	4	0	0	0	0	0	9	0	0	11	0	48	356
195	0	0	2	108	8	0	0	0	0	1	0	0	0	0	0	0	0	0	0	10	0	1	0	0	35	165
196	63	0	0	1	2	0	0	0	1	3	4	0	1	0	0	0	0	0	0	1	0	3	32	0	7	118
197	7	2	6	1	0	70	0	1	0	0	0	0	0	54	0	0	0	0	0	55	18	0	0	0	36	250
198	0	17	2	6	0	42	0	0	0	0	0	0	0	6	0	0	0	0	0	15	6	0	0	0	19	113
199	53	114	5	2	0	10	54	0	0	0	0	0	9	2	0	0	0	0	0	3	1	0	0	0	0	253
200	0	17	0	1	1	0	43	0	0	0	3	0	2	0	0	0	2	0	0	2	1	0	0	0	4	76
201	15	7	2	2	0	3	42	0	0	0	0	0	10	0	0	1	180	0	0	1	1	0	2	0	11	277
202	45	11	8	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	9	0	0	0	0	7	84
203	420	110	230	0	0	36	6	0	0	0	0	0	36	0	0	2	0	0	0	1	57	0	0	0	9	907
204	0	0	28	7	2	0	0	0	0	0	0	0	11	0	0	15	0	0	0	2	0	0	0	0	4	69
205	0	0	23	14	14	0	21	0	4	35	0	0	0	0	1	0	2	0	0	0	12	0	0	0	19	145
206	0	0	7	31	10	0	3	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	90
207	1	0	2	0	1	0	0	0	0	2	0	1	0	0	0	0	0	2	0	0	0	0	0	2	12	23
208	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5
209	0	0	0	0	77	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26	105
210	1	0	0	4	28	0	0	0	0	3	0	7	0	0	0	0	2	59	0	0	2	0	0	9	15	130
211	6	0	0	0	155	0	0	0	0	4	0	0	0	0	0	0	19	0	0	0	0	0	0	6	26	216
212	3	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	1	7
213	6	0	0	0	10	0	0	0	4	6	0	0	0	0	0	0	0	0	1	0	0	1	0	0	6	34
214	0	0	0	0	35	0	0	9	7	9	5	0	0	0	1	0	0	0	32	0	0	0	0	0	6	104
215	96	0	0	1	3	0	0	0	9	1	1	0	0	0	1	0	0	0	0	0	0	11	0	0	3	126
216	70	0	0	1	12	0	2	0	3	17	2	0	0	0	6	0	0	0	0	0	0	0	0	0	6	119
217	12	10	0	19	7	0	0	0	3	21	4	0	0	0	0	0	1	0	0	0	0	17	0	0	8	102
218	361	0	0	1	5	3	0	0	20	4	0	0	0	0	0	0	0	0	94	0	1	0	0	0	4	493
219	521	0	0	2	12	7	4	0	11	23	2	0	0	0	0	0	0	0	213	0	3	0	0	0	2	800
220	45	0	0	0	8	2	53	21	0	0	0	0	0	0	0	0	0	0	12	0	6	0	0	0	5	152
221	59	0	0	0	47	0	0	0	10	19	5	0	0	0	0	0	0	0	0	0	0	35	0	0	2	177
222	3	4	2	0	2	3	4	0	0	0	0	0	6	9	0	0	3	0	0	10	0	0	0	0	2	48
223	7	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	0	0	2	0	46	143
224	4	0	23	0	0	7	0	0	0	0	0	0	0	6	0	1	0	0	0	48	0	0	1	0	19	109
225	1	123	122	0	0	4	0	0	0	0	0	0	0	0	0	3	0	0	0	22	0	0	0	0	1	276
226	1	79	74	0	0	0	0	0	0	0	0	0	0	25	0	2	0	0	0	27	0	0	0	0	0	208
227	2	98	65	0	0	12	0	0	0	0	0	0	0	4	0	10	0	0	0	28	0	0	0	0		219

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CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
228	19	16	50	0	0	12	0	0	0	0	0	0	0	9	0	4	0	0	0	13	0	0	0	0	4	127
229	1	22	194	0	0	0	0	0	0	0	0	0	0	12	0	2	0	0	0	88	0	0	0	0	4	323
230	4	11	114	0	0	0	0	0	0	0	0	0	0	4	0	4	0	0	0	41	1	0	0	0	7	186
231	8	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	5	0	0	0	0	4	26
232	2	0	4	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	3	31
233	3	0	2	0	0	10	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	17
234	0	4	1	0	0	6	0	0	0	0	0	0	0	2	0	3	1	0	0	0	0	0	0	0	0	17
235	1699	3	0	0	0	9	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		1714
236	52	5	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	9	73
237	0	0	0	1	0	0	2	0	0	0	0	0	4	0	0	0	64	0	0	3	0	0	0	0	23	97
238	0	9	2	8	1	0	0	0	0	0	0	0	5	0	0	3	241	0	0	2	1	1	0	0	3	276
239	0	0	40	30	12	0	2	0	0	13	1	0	0	0	0	0	6	0	0	18	7	1	0	0	25	155
240	1	0	8	0	43	0	0	0	0	11	0	0	0	0	0	0	0	3	0	0	0	0	0	5	24	95
241	457	8	1	3	0	25	7	0	0	0	0	0	25	0	0	3	0	0	0	11	11	0	0	0	33	584
242	95	14	0	5	0	11	0	0	0	0	2	0	19	0	0	0	0	0	0	7	60	0	0	0	2	215
243	5	0	7	0	0	9	465	6	0	0	11	0	25	9	0	1	0	0	0	8	2	0	0	0	3	551
244	8	12	12	1	0	34	12	0	0	0	3	0	63	24	0	0	0	0	0	15	7	0	0	0	7	198
245	13	0	3	0	0	44	5	0	0	0	0	0	0	0	0	0	0	0	0	37	7	0	0	0	13	122
246	3	0	0	4	7	0	13	0	0	0	1	0	7	0	0	0	0	0	0	62	5	0	0	0	3	105
247	5	0	0	0	1	103	8	0	0	6	0	0	0	0	0	0	0	0	8	1	1	0	3	0	1	137
248	8	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	6	30
249	15	0	0	0	1	2	0	0	15	0	0	0	0	0	0	0	0	0	3	0	0	8	4	0	13	61
250	17	0	0	0	1	9	0	5	60	5	2	0	0	0	0	0	0	0	11	0	0	0	0	0	7	117
251	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0	1	21
252	39	0	0	0	1	0	0	0	4	2	17	0	0	0	2	0	0	0	0	0	0	14	14	0	0	93
253	59	0	0	0	0	12	25	12	0	1	3	0	0	0	0	0	0	0	0	1	0	0	0	0	5	118
254	223	37	29	0	0	18	98	0	0	0	12	0	363	2	0	0	0	0	0	13	12	6	0	0	14	827
255	168	29	32	0	0	50	98	1	0	0	2	0	28	10	0	0	0	0	0	10	41	0	0	0	19	488
256	421	23	0	0	0	80	39	11	0	0	8	0	51	14	0	0	0	0	0	3	6	0	0	0	0	656
257	917	21	0	74	0	28	0	0	0	0	1	0	43	152	0	0	0	0	0	4	0	0	0	0	7	1247
258	1800	22	0	0	0	3	2	0	0	0	0	0	66	17	0	1	0	0	0	2	1	0	0	0	13	1927
259	19	0	3	0	0	0	11	0	5	0	0	0	0	0	0	0	8	0	0	0	1	0	0	0	4	51
260	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	19	0	0	0	12	0	4	38
261	1138	0	4	0	0	0	237	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	38	1426
262	1057	0	0	0	0	2	11	14	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	1	1088
263	370	9	2	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	389
264	29	0	0	2	0	57	4	22	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	33	148
265	257	26	0	11	25	6	11	2	0	8	11	2	0	0	4	0	0	0	0	0	2	17	0	0	19	401

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CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

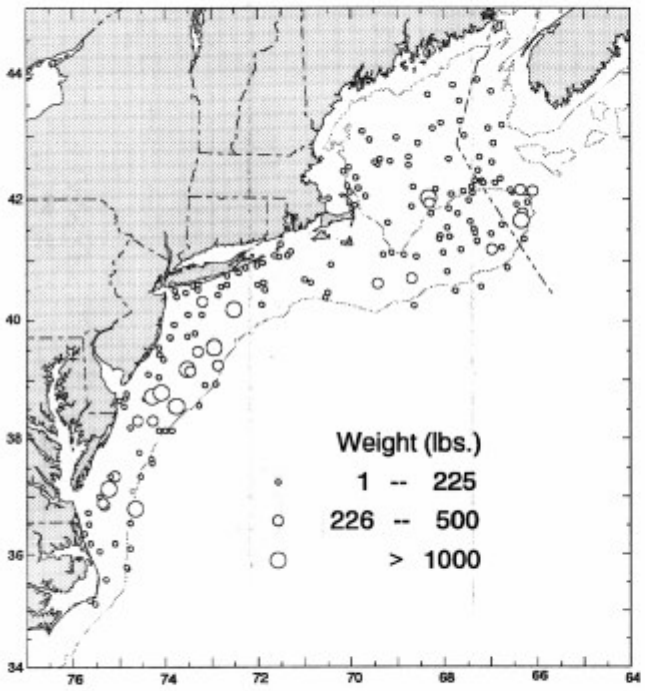
	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
304	18	0	0	0	15	0	0	0	9	2	2	0	0	0	0	0	0	0	0	0	0	21	0	0	2	69
305	7	0	0	1	36	0	0	0	0	1	4	0	0	0	1	0	0	0	288	0	4	1	0	0	5	348
306	17	0	0	0	48	0	3	0	1	14	12	0	0	0	6	0	0	0	2	0	1	18	0	0	19	141
307	0	0	0	0	8	0	0	0	0	1	4	0	1	0	1	0	0	0	4	1	0	0	3	0	11	34
308	0	0	0	1	12	0	0	0	0	24	12	0	1	0	6	0	0	0	184	0	0	13	1	0	62	316
309	0	0	4	3	2	0	0	0	0	0	6	0	3	1	0	0	0	0	1	1	0	0	13	0	13	47
310	0	6	0	0	8	0	0	0	0	5	28	0	11	1	1	0	0	0	3	0	4	0	3	0	12	82
311	0	0	0	0	0	6	0	6	0	0	1	0	2	39	0	0	0	0	0	46	0	0	3	0	28	131
312	0	0	0	2	1	45	0	1	0	2	21	0	17	52	0	0	0	0	1	11	6	0	17	0	10	186
313	0	0	0	4	0	93	0	0	0	0	1	0	51	20	0	0	0	0	0	54	0	0	13	0	17	253
314	0	0	0	1	0	336	0	39	0	0	0	0	6	9	0	0	0	0	0	17	3	0	44	0	8	463
315	0	0	0	0	0	7	0	2	0	0	3	0	16	15	0	0	0	0	0	7	4	0	18	0	11	83
316	0	0	0	0	0	224	3	1	0	0	7	0	6	35	0	0	0	0	3	5	23	0	1	0	10	318
317	0	0	0	0	0	354	74	8	0	0	0	0	0	4	0	0	0	0	0	2	33	0	0	0	17	492
318	17	0	0	0	12	0	0	0	0	8	15	0	0	2	0	0	0	0	35	0	1	0	9	0	7	106
319	22	0	0	0	1	41	28	76	0	0	34	0	20	2	0	0	0	0	0	18	130	0	0	0	20	392
320	0	0	0	1	0	43	5	3	0	0	6	0	0	5	0	0	0	0	2	3	0	0	0	0	39	107
321	92	0	0	0	16	0	0	0	4	28	9	0	0	0	1	0	0	0	0	0	0	13	2	0	3	168
322	83	0	0	2	9	0	0	0	3	71	5	0	0	0	3	0	0	0	0	0	0	1	1	0	9	187
323	26	0	0	6	5	0	2	0	2	81	19	0	6	0	0	0	0	0	0	1	11	0	0	0	4	163
324	13	0	0	10	14	13	24	2	1	48	21	0	0	0	0	0	0	0	0	5	12	1	3	0	42	209
325	6	0	2	8	0	30	0	0	0	0	2	0	8	19	0	0	0	0	0	95	28	0	23	0	11	232
326	0	0	0	10	0	141	0	0	0	0	0	0	4	28	0	0	0	0	0	49	7	0	17	0	7	263
327	0	0	6	95	0	0	0	1	0	1	0	0	0	3	0	0	0	0	0	6	0	0	64	0	20	196
328	0	0	1	23	2	0	0	0	0	2	2	0	2	7	0	0	0	0	0	10	0	0	4	0	4	57
329	0	0	0	0	0	0	0	0	0	0	0	0	0	48	0	0	0	0	0	13	0	0	1	0	78	140
TOTAL	36434	2687	13095	5006	1243	2407	1709	380	454	669	367	308	1107	1408	112	278	2159	862	2238	1397	1221	604	641	1253	9744	87783

* "Total others" in southern areas are comprised primarily of rays, large sharks and spotted hake.

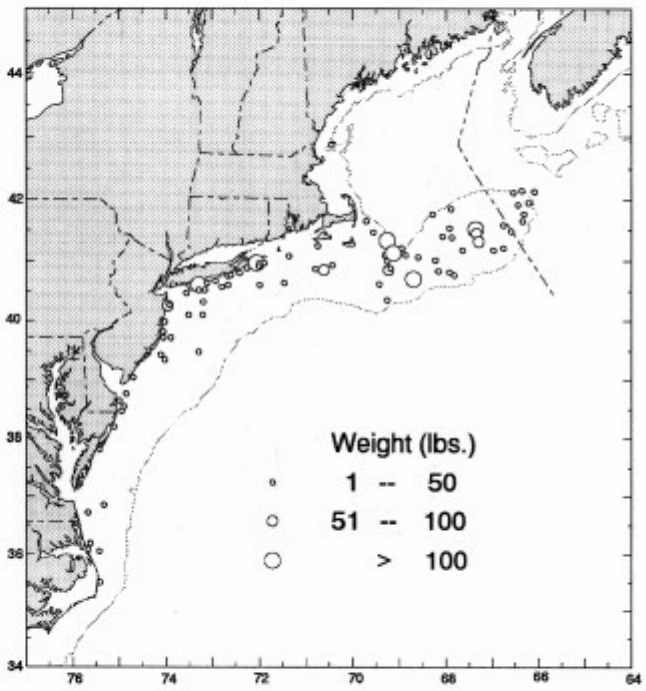
NMFS-NEFSC SPRING BOTTOM TRAWL SURVEY
ALBATROSS IV MAR 01 - APR 22, 1999
CATCH WEIGHTS (POUNDS) OF IMPORTANT SPECIES BY HAUL

	SPINY DOGFISH	WINTER SKATE	LITTLE SKATE	ATLANTIC HERRING	SILVER HAKE	ATLANTIC COD	HADDOCK	POLLOCK	WHITE HAKE	RED HAKE	AMERICAN PLAICE	SUMMER FLDR	YELLOWTAIL FLDR	WINTER FLDR	WITCH FLDR	WINDOWPANE FLDR	ATLANTIC MACKEREL	BUTTERFISH	ACADIAN REDFISH	LONGHORN SCULPIN	OCEAN POUT	GOOSEFISH	AMERICAN LOBSTER	LONGFIN SQUID	TOTAL* OTHER	TOTAL ALL
266	8	10	7	1	0	14	73	15	0	0	1	0	1	0	0	0	0	0	0	14	0	0	0	0	46	190
267	38	0	0	0	0	0	0	0	26	0	0	0	0	0	1	0	0	0	85	0	0	0	0	0	34	184
268	107	0	0	0	27	0	0	0	57	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	72	293
269	2	0	0	0	49	41	0	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	116
270	108	0	0	0	0	9	2	5	0	0	0	0	0	0	0	0	0	0	315	0	0	0	4	0	15	458
271	27	0	0	1	13	12	4	0	0	2	0	0	0	0	2	0	0	0	154	0	1	0	0	0	10	226
272	17	0	0	0	4	0	0	0	2	12	6	0	0	0	1	0	0	0	2	0	0	1	0	0	2	47
273	6	0	0	0	3	0	0	0	8	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	25
274	27	0	0	1	3	0	6	0	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	75
275	19	0	0	0	2	10	1	0	6	3	0	0	0	0	1	0	0	0	255	0	0	8	0	0	6	311
276	201	0	0	0	2	0	3	15	2	0	0	0	0	0	0	0	0	0	1	0	0	0	4	1	5	234
277	80	0	0	0	1	7	2	11	5	2	0	0	0	0	0	0	0	0	2	0	0	0	0	0	8	118
278	3	0	0	1	0	2	182	0	0	0	2	0	0	4	0	0	0	0	0	1	0	0	0	0	12	207
279	7	0	0	0	2	19	2	0	3	1	0	0	0	0	2	0	0	0	14	0	0	0	2	0	3	55
280	13	0	0	0	0	0	0	8	5	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	28
281	0	0	0	0	7	0	0	18	4	8	3	0	0	0	2	0	0	0	14	0	0	0	0	0	3	59
282	7	0	0	0	7	0	0	0	104	5	3	0	0	0	2	0	0	0	0	0	0	0	0	0	11	139
283	2	0	0	0	7	0	0	0	0	5	2	0	0	0	3	0	0	0	0	0	0	0	2	0	1	22
284	0	0	7	0	4	0	0	0	0	2	3	0	0	0	1	0	0	0	0	0	0	0	0	0	19	36
285	0	0	0	0	1	0	0	0	1	1	0	0	0	0	33	0	0	0	0	0	0	0	0	0	19	55
286	0	0	0	0	5	0	0	0	9	0	0	0	0	0	2	0	0	0	0	0	0	0	3	0	15	34
287	0	0	0	0	5	0	0	0	0	0	1	0	0	2	0	0	0	0	0	2	0	0	1	0	121	132
288	0	0	0	21	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	6	0	8	38
289	0	0	6	0	8	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	9	26
290	0	0	0	0	9	0	0	0	1	0	2	0	0	0	0	0	0	0	0	1	0	0	3	0	6	22
291	24	0	0	0	6	0	0	1	2	4	2	0	0	0	1	0	0	0	2	0	0	3	2	0	6	53
292	0	0	0	0	44	11	0	0	0	4	5	0	0	0	6	0	0	0	4	0	4	0	11	0	14	103
293	0	0	0	0	21	0	0	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	13	0	20	60
294	0	0	0	1	0	0	0	11	0	0	0	0	0	0	0	0	0	0	2	0	0	0	3	0	1	18
295	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	4	11
296	0	0	0	1	21	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0	8	0	14	47
297	2	0	0	0	1	19	0	0	1	5	3	0	0	0	1	0	0	0	1	0	0	6	0	0	2	41
298	5	0	0	2	3	10	0	8	0	2	4	0	0	0	2	0	0	0	171	0	0	7	0	0	4	218
299	40	0	0	0	6	16	0	0	0	6	2	0	0	0	1	0	0	0	297	0	0	0	0	0	6	374
300	17	0	0	0	3	0	0	0	0	6	3	0	0	2	2	0	0	0	0	0	0	0	0	0	4	37
301	56	0	0	0	2	0	0	9	5	15	1	0	0	0	3	0	0	0	0	0	0	3	0	0	1	95
302	47	0	0	0	3	0	0	0	2	6	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	60
303	26	0	0	0	11	0	0	0	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	46

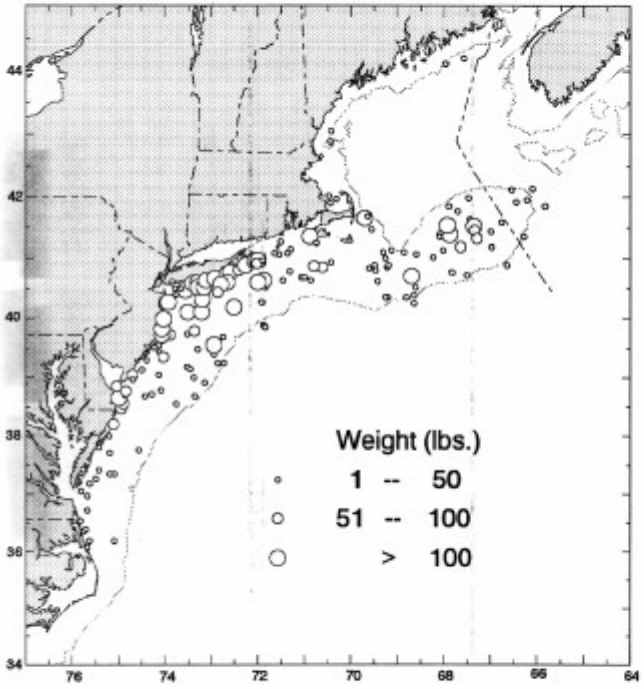
SPINY DOGFISH
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



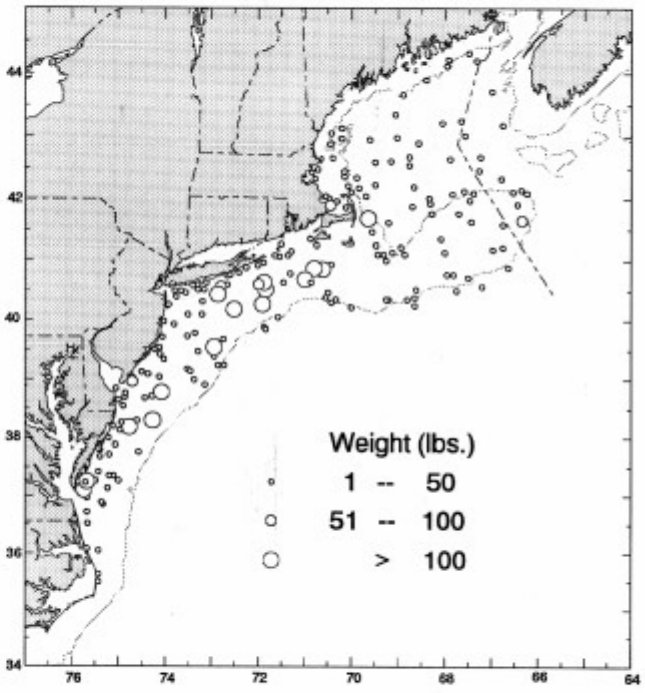
WINTER SKATE
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



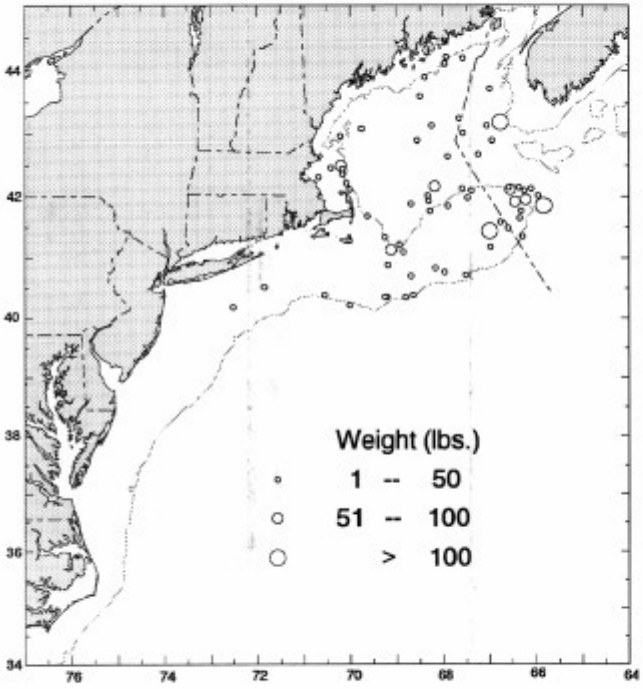
LITTLE SKATE
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



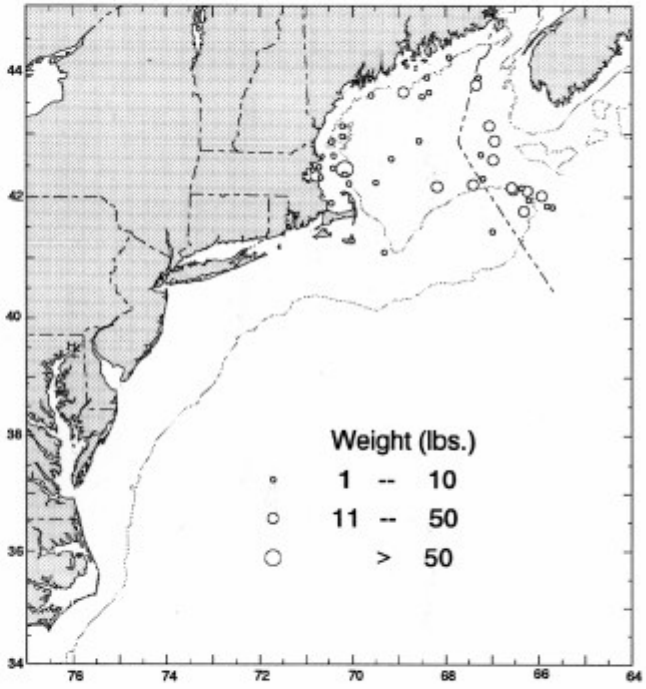
ATLANTIC HERRING
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



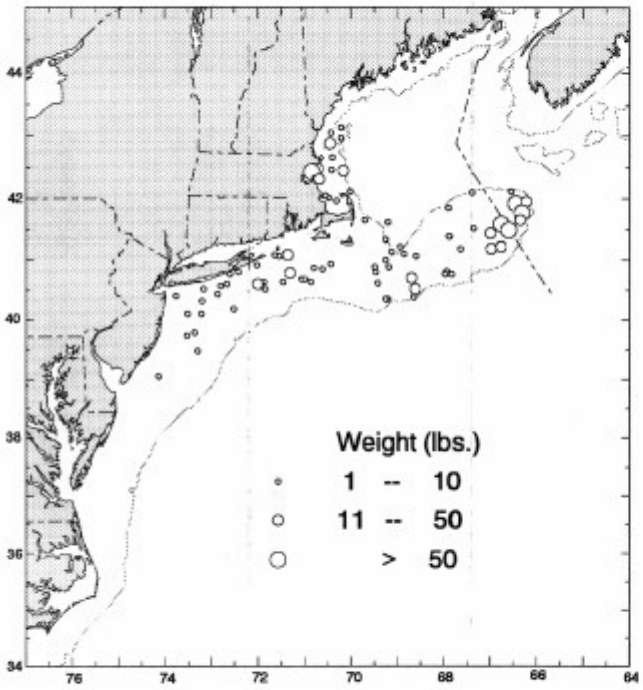
HADDOCK
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



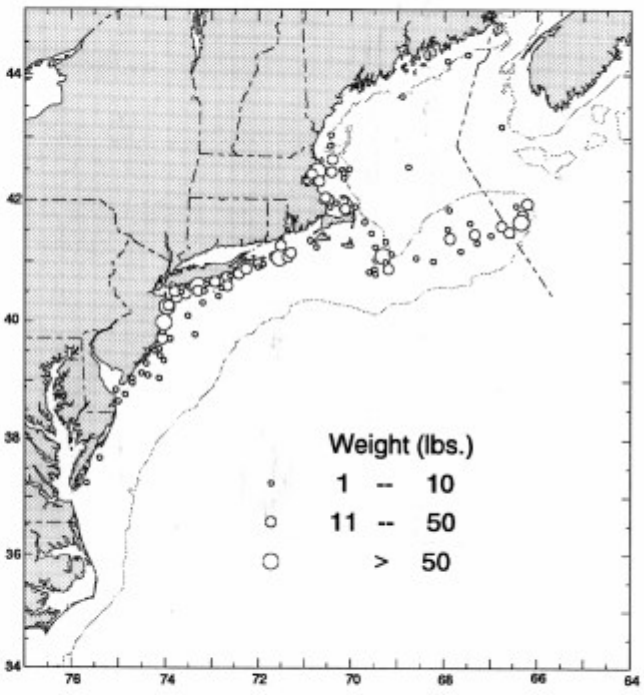
POLLOCK
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



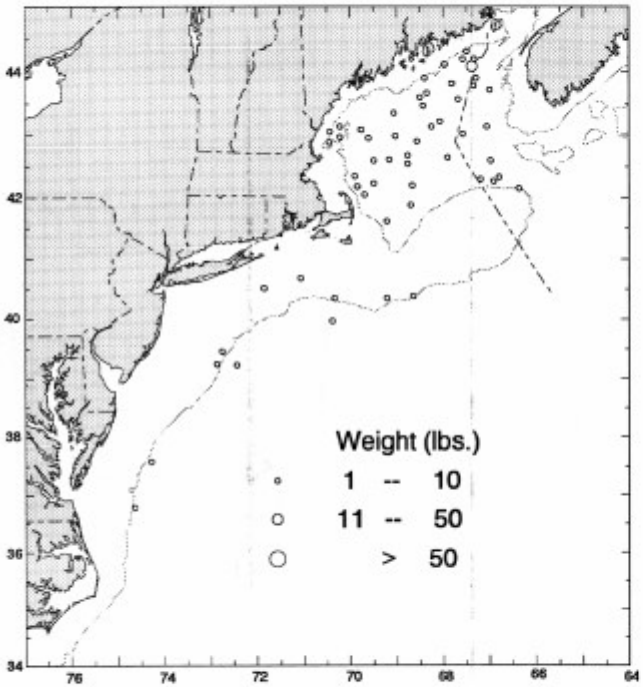
YELLOWTAIL FLOUNDER
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



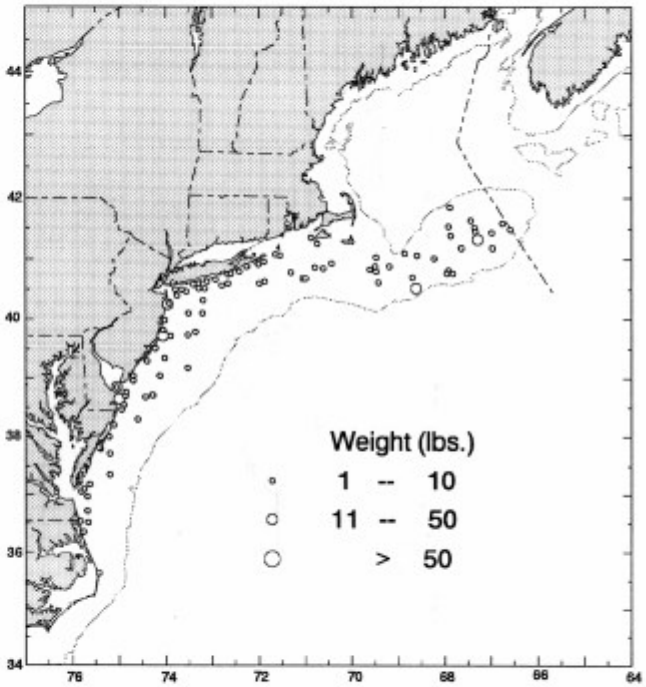
WINTER FLOUNDER
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



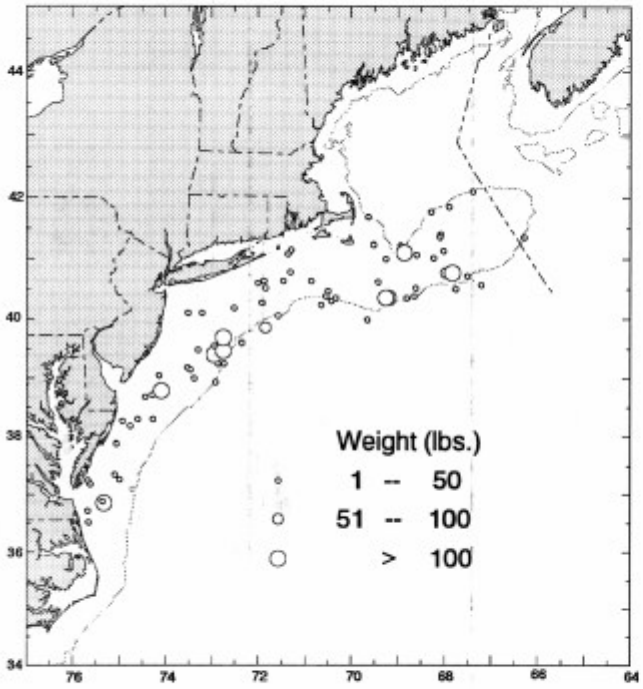
WITCH FLOUNDER
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



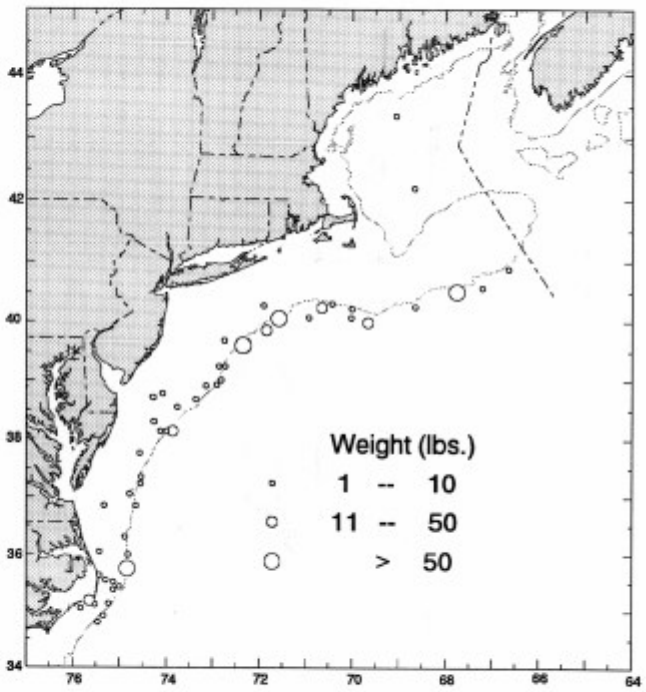
WINDOWPANE FLOUNDER
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



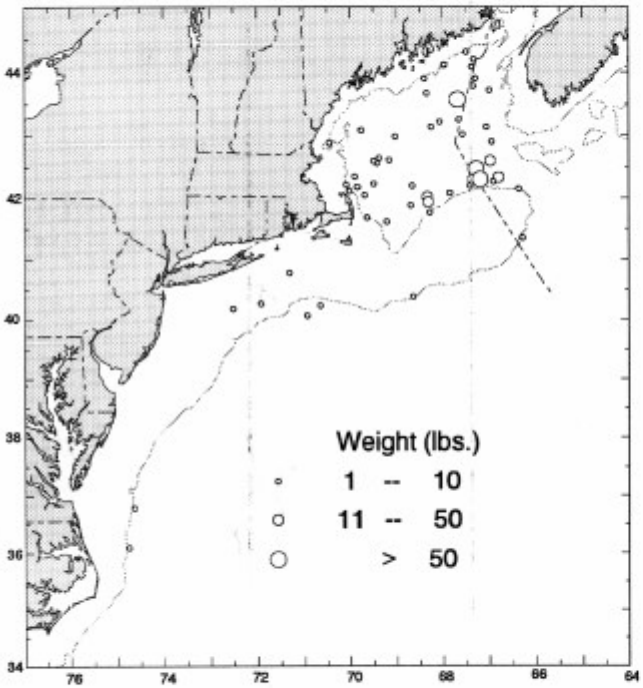
ATLANTIC MACKEREL
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



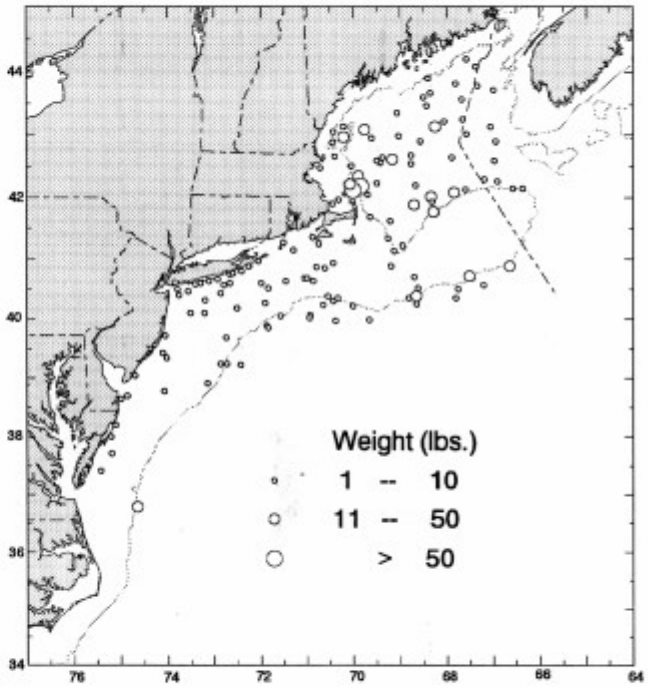
BUTTERFISH
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



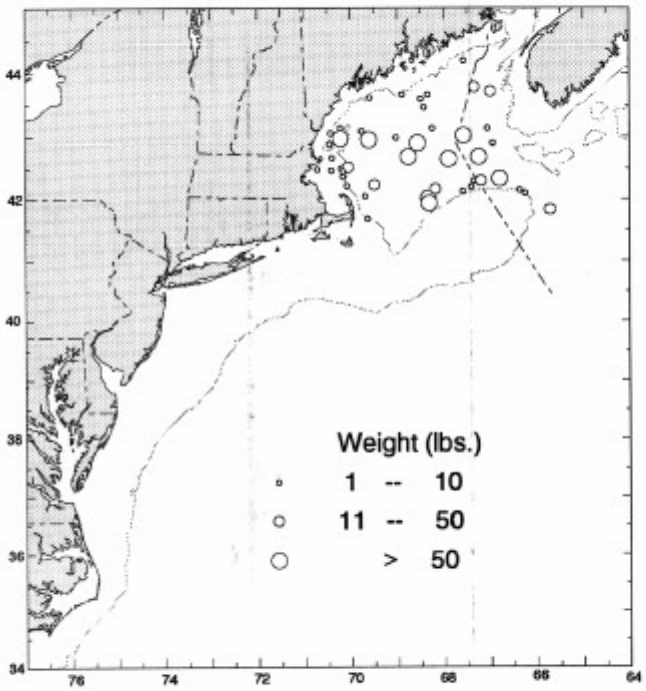
WHITE HAKE
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



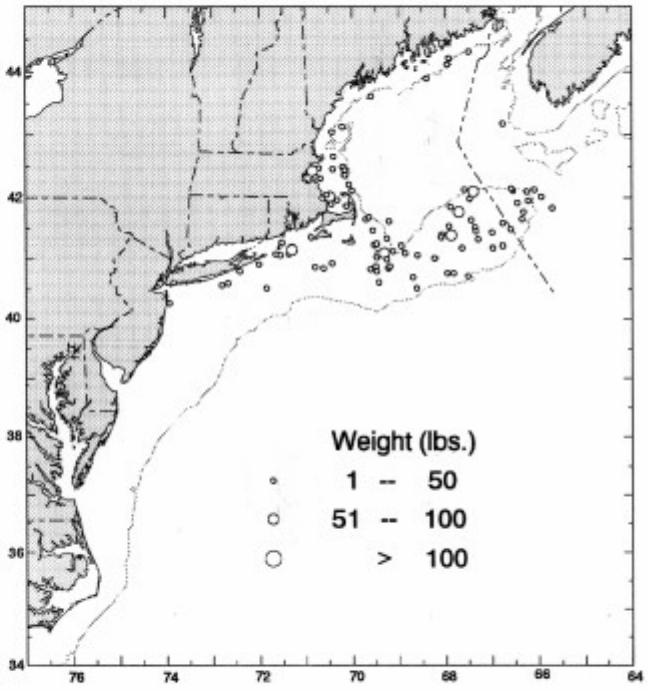
RED HAKE
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



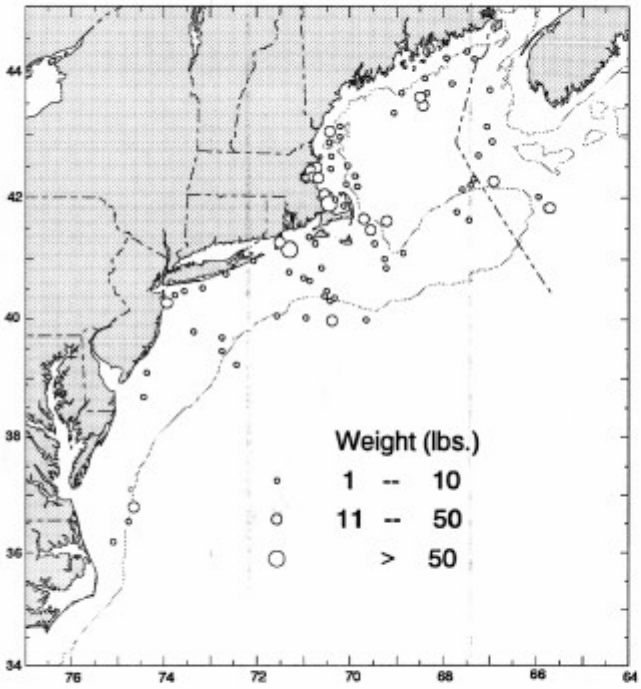
ACADIAN REDFISH
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



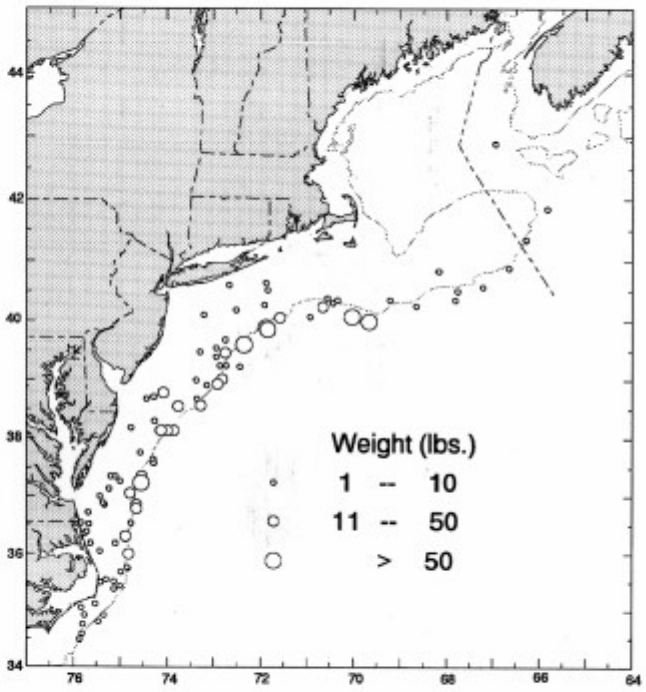
LONGHORN SCULPIN
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



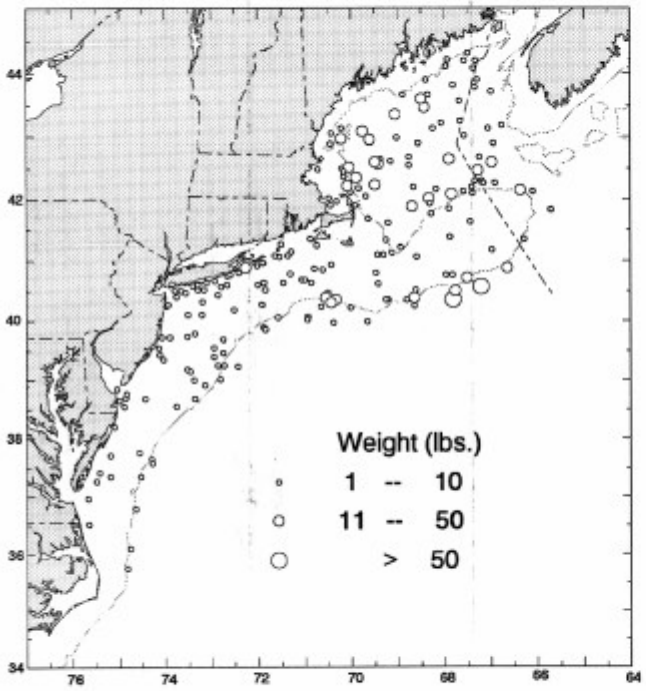
AMERICAN LOBSTER
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



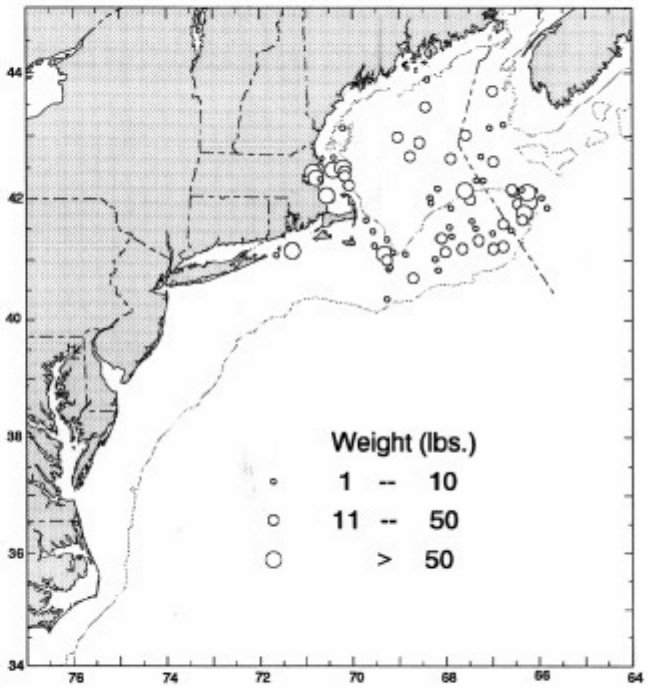
LONGFIN SQUID
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



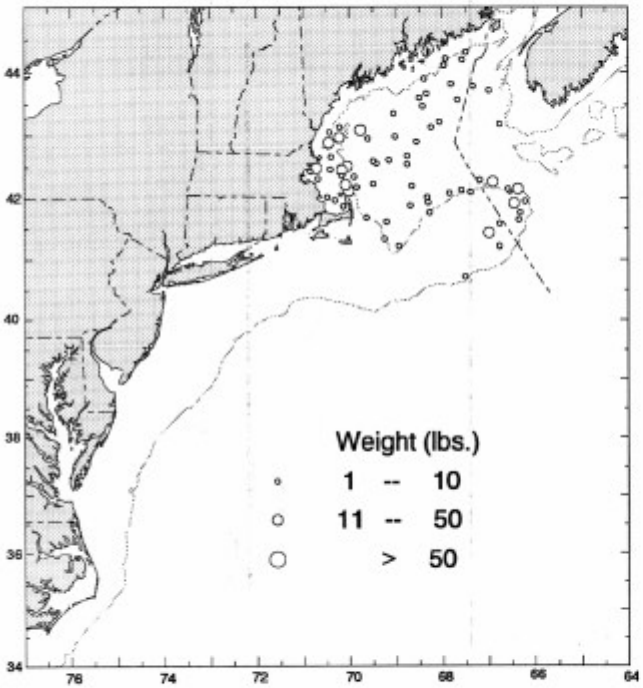
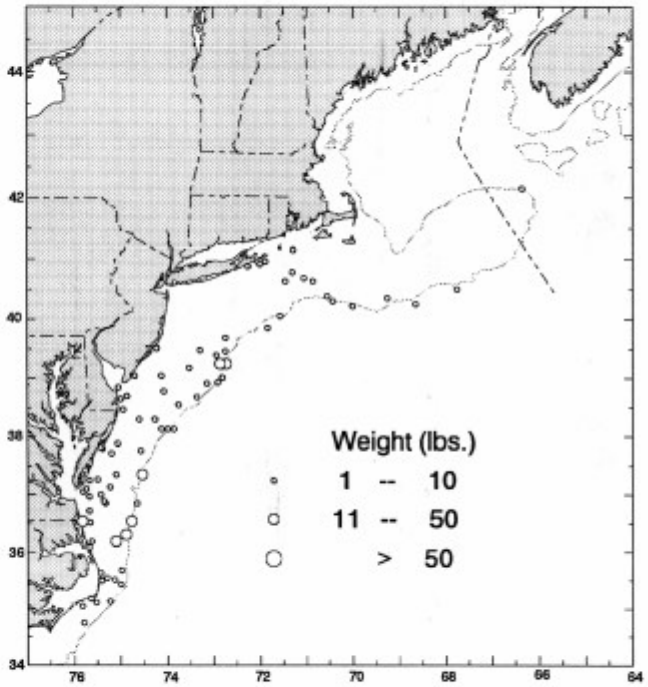
SILVER HAKE
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



ATLANTIC COD
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



AMERICAN PLAICE
NEFSC Bottom Trawl Survey
MAR 01 - APR 22



SUMMER FLOUNDER
NEFSC Bottom Trawl Survey
MAR 01 - APR 22